

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

REGULATORY DIVISION

Refer to: P/N #SAC-2013-01331-2G

25 MARCH 2014

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

COOPER RIVER PARTNERS, LLC
MR. MARC FETTEN
C/O THOMAS HUTTO
GEL ENGINEERING, LLC
POST OFFICE BOX 30712
CHARLESTON, SOUTH CAROLINA 29417

for a permit to place fill material in freshwater wetlands to construct a manufacturing facility and rail spur, construct a wharf, install a water intake for fire protection, and perform dredging and maintenance dredging in

FRESHWATER WETLANDS AND THE COOPER RIVER

at a location, a 1,561.64 acre area located at 1588 Bushy Park Road, in Berkeley County, South Carolina and areas of the Cooper River from the end of the existing federal channel to the proposed dock location, as shown on the attached plans.

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 placing fill material in 10.48 freshwater wetlands; constructing a wharf, installing a water intake for fire protection, and performing dredging and maintenance dredging of an area approximately 93 acres in size as described below. The applicant has requested a ten year permit for

maintenance dredging and proposes to dispose of the dredged material in the Yellow House Creek confined disposal facility.

The overall project involves constructing a new manufacturing facility, rail spur and marine terminal at the Bushy Park Industrial Complex in Berkeley County, South Carolina as well as dredging in the Cooper River from the end of the existing federal channel to the proposed dock location. Currently, the location for the proposed upland manufacturing facility is primarily a pine plantation that was recently thinned as part of the site's timber management plan. Upon development, the remaining timber will be harvested. The aquatic environment in the area of the proposed marine terminal and dredge areas is intertidal, characterized by a typical salt to brackish ecosystem.

The new facility will produce approximately 1,200 tons per day of consumer grade Polyethylene Terephthalate (PET) for use in the North American market. PET is a major polymer used extensively in the packaging industry. It is most notably used in blow molding to produce bottles for both carbonated and non-carbonated drinks. It is also used to make other packages by sheet extrusion followed by thermoforming. The PET manufacturing will occur under a new technology using raw material feedstocks (sugarcane) rather than fossil fuel inputs. The PTA used in the process will be delivered directly to the northern portion of the Project Striker Plant in its raw form. The ethylene glycol (EG), however, will be produced onsite at the southern portion of the Project Striker Plant and transported to the northern portion of the facility. The process of producing PET is described below, first beginning with the process of producing EG.

EG production is a multi-step process, beginning with dehydration of ethanol. Raw methanol will be transferred from a multi-million gallon tank farm to the EG production facility. The ethylene from dehydration will be either stored for shipment offsite and/or transferred to the oxidation unit of the manufacturing building. In the oxidation unit, ethylene undergoes partial oxidation to form ethylene oxide (EO). The ethylene oxide can then go straight to glycol manufacture and/or storage and subsequent shipment offsite. Following oxidation, the ethylene oxide enters several reactors in the hydrolysis facility. In this facility, products of ethylene glycol (mono-, di, and tri-) are produced by the hydrolysis of the ethylene oxide with water. The water is pumped to the hydrolysis facility from the onsite water treatment plant. The glycols are separated and stored for shipment offsite or transported to the northern portion of the facility for use in PET production.

In the northern portion of the facility, the syntheses of PET will take place in two duplicate reactor systems, and will be based on the reaction of EG with purified terephthalic acid (PTA). This first step, known as esterification, takes place in one of the reactor systems and produces a crude mixture of ethylene glycol ester of terephthalic acid (BHET) and water. Following esterification, the BHET is transferred to a second series of reactors where polycondensation occurs at high temperature and pressure to form the polyester PET. The second step of the PET synthesis takes place in the polymerization reactor system. In the polymerization reactors, a catalyst is added to the mixture of linear oligomers, free glycol is distilled out, and the temperature is raised to approximately 550°F to facilitate polymer chaining. A second series of reactors in this system is used to obtain various degrees, using high vacuum and a special agitation system. Once the desired degree of polymerization is achieved, the PET solid is transferred to a chipping unit followed by storage in one of two product silos.

The manufacturing plant requires multiple criteria, each of which is essential to the facility operation. These include:

- an expansive operations facility of at least 200-acres located in an appropriately zoned industrial area,
- access to or ability to expand existing plant utilities,
- ready access to rail transportation to bring in raw materials and deliver the finished product, and
- a deep water terminal able to receive ocean going vessels that transport ethanol.

This group of criteria limits the number of potential sites. Additionally, a linear property is necessary for this type of large-scale chemical manufacturing facility. As stated above, EG, one of the raw materials used in the

manufacture of PET will be produced in the southern portion of the site and transferred to the northern portion of the site, where it will be used in the two-step process for the syntheses of PET. These multiple processes require the associated buildings and rail and transportation networks to be configured in a linear manner for efficient handling and distributing of raw materials and finished goods.

The proposed plant will consist of offices, laboratories, manufacturing/process facilities, railroad system, roads, and raw material/manufactured goods storage facilities. The proposed location allows the new facility to utilize existing utilities at the Bushy Park Industrial Park, including water, power, wastewater processing, and compressed air. No new intakes or outfalls will be required for the proposed facility except for a fire water pump on the dock that will be used exclusively for the marine terminal. This pump will not be used except for periodic testing to insure the system is properly functioning at all times and in the event of a fire.

Upon completion, the facility will employ an estimated 700 fulltime hourly and salaried employees. The facility will support local industries, and the expeditious completion of the manufacturing facility and subsequent operation is vital to strengthen the South Carolina economy and technically sophisticated manufacturing in the United States as a whole.

The project will require construction of a railroad spur that will connect to the existing railroad located north of the site. The rail spur will be used for delivery of raw goods and distribution of finished PET. The railroad spur is critical to the manufacturing facility's operations. The project will also require the construction of a marine terminal in the Cooper River. The location of the proposed terminal is in the southern portion of the Bushy Park Industrial Complex, adjacent to Big Island. The dock and associated systems are necessary to receive raw materials transported via large cargo vessels for the manufacturing process. Lastly, the project will require dredging in the Cooper River. In order to receive the raw materials, dredging is necessary so that the appropriate vessels can safely navigate the Cooper River.

The following detailed site activities will occur in Waters of the U. S. or State Critical Area:

- a. **Freshwater Wetland Fill:** The new manufacturing facility will occupy approximately 200-acres and includes process related buildings, tanks, mechanical equipment, and storage areas, along with necessary supporting road and railroad infrastructure. A new railroad spur will tie into the existing railroad located approximately 8,500' north of the Bushy Park Industrial Complex. The rail spur will be located in an existing railroad easement and will be used for the delivery of raw goods and distribution of the manufactured PET. In order to construct the new production facility and railroad spur, 10.480-acres of jurisdictional freshwater wetlands will need to be filled. Details of the wetland locations and cross-sections are provided in Figures 3 through 23. To mitigate the filling of 10.480-acres of jurisdictional freshwater wetlands, the Applicant proposes to purchase available credits from approved offsite mitigation banks, as discussed in Section 40 and the applicants "Wetland Impact Alternatives Analysis and Mitigation Plan."
- b. **Construct a Marine Terminal in the Cooper River:** Raw production materials (mainly ethanol) will be imported to the new facility by ocean-going vessels. In order to receive these materials, a new dock, access runway, breasting dolphins, and mooring dolphins will be constructed in and adjacent to the Cooper River, as shown in attached Figures 24 through 50. The location of the dock and associated facilities are necessitated by navigation considerations to the south of the project area and access to tidal creeks and Big Island to the north, as discussed in Section 39. The dock is approximately 75' by 105' and also includes an approximately 20' x 572.5' access runway, and an approximately 23' x 40' river water pump station. The river water pump station is for purposes of firefighting, if necessary. The river water pump station will be designed in accordance with the applicable National Fire Protection Association Standards for standpipes and hose systems, stationary pumps for fire protection, and fire protection of marine terminals, piers, and wharves. The potential flow rate for the river water pump station will be approximately 500 gallons per minute. Please note that this pump will be used only in the event of a fire

and on periodic maintenance program to insure it is properly maintained and functional.

The total area occupied by the dock, access runway, and river water pump station is approximately 20,245 square feet. The dock will be completed with vehicle curbs, bull rails, and fender systems. Timber fender systems along the dock will allow for smaller vessels, such as tugs, to access the dock. The dock, access runway, and river water pump station will be constructed of cast-in-place concrete, supported on precast concrete piles. Power and water utilities will be provided to the dock.

Two breasting dolphins will be constructed in order to receive a vessel up to 650' in length. Four mooring dolphins will also be constructed. Each breasting dolphin and mooring dolphin will be constructed with cast-in-place concrete, supported on precast concrete piles. Pile-supported aluminum walkways will be constructed between the dock and all dolphins, in order to facilitate mooring of vessels at the dock. The walkways will be approximately 4.5' in width and a total of approximately 650' in length.

The access runway connecting Big Island to the new dock will include a 12' vehicular lane, designed for a H20-44 fire truck, which is important considering the dock will be used to transfer ethanol. In addition, the access runway includes three conveyance pipes, up to 18" in diameter, to allow the transfer of raw materials from docked vessels to the new production facility. The conveyance pipes will be located on pile-supported, cast-in-place concrete adjacent to the vehicular lane. The conveyance pipes will extend from the proposed marine terminal to Big Island, and continue aboveground on a new pipe rack to an existing pipe rack at the Bushy Park Industrial Complex. A preliminary Jurisdictional Determination (JD), SAC 2011-00967-2JY, was completed February 8, 2012. This JD did not identify jurisdictional freshwater wetlands located in the areas of the proposed aboveground conveyance pipe and pipe rack on Big Island. The only marsh vegetation that will be impacted is in the area of the proposed access runway and pipeline conveyance, which leads from Big Island to the proposed marine terminal.

- c. Dredge Portions of the Cooper River: As described above, raw materials will be delivered to the new production facility by ocean-going vessel. In order to accommodate these vessels, dredging some areas of the existing Cooper River channel will be necessary. Much of the river in its natural condition meets the depth and/or width requirements. However, to provide safe navigation, the channel will need to be widened and/or deepened locally. The total area of the proposed channel and berth is approximately 114-acres. Due to existing depths in the project area, approximately 21-acres will not require any dredging. No marsh vegetation currently exists in the proposed dredge project area.

The start of the proposed dredging is at the terminus of the federally maintained channel at the United States Joint Base Channel (formerly the Naval Weapons Station) and will end east of Big Island, adjacent to the proposed marine terminal, a distance of 2.65 miles. Dredging in the channel will be conducted to -39' mean lower low water (mllw) with an allowable 1' overdepth. A turning basin will be near the terminus of the new channel in a naturally deep area. The berth adjacent to the new dock will be approximately 150' by 800'. Dredging of the berth will be conducted to -42' mllw with an allowable 1' overdepth. The greater dredge depth in the berth is required so that vessels berthed at the dock will maintain appropriate drafts during all tidal fluctuations, even when fully loaded.

The width of the channel will vary. Based on input from the Charleston Harbor Pilots, a 250' channel will be required in the straight-aways, and a width of at least 300-feet will be required in the bends of the river. At the request of the Charleston Harbor Pilots, the channel width in the turn south of Big Island is greater than 300' (up to 360') to allow the necessary maneuverability of vessels for docking.

The area to be dredged is composed of virgin soil (new work), primarily Cooper Marl, with no known potential to have been impacted by past on-site or off-site activities. The attached "Tier I Evaluation for Sediments" has been prepared to document the site setting, and it provides data to support the conclusion that a sediment evaluation to gather additional data on sediment quality is not necessary. At this time, the Applicant proposes to dredge the project area utilizing a hydraulic dredge and discharge the

dredged materials into the Yellow House Creek Confined Disposal Facility, as shown on Figures 2 and 51. Approximately 955,600 cubic yards of material will be dredged from the Cooper River. The Applicant requests a 10-year permit to allow for routine maintenance dredging. It is estimated that approximately 100,000 cubic yards of material would accumulate each year and would be dredged periodically as part of maintenance dredging of the proposed channel when it is necessary due to impacts to navigation.

- d. In order to facilitate navigation in the newly dredged channel, the Charleston Harbor Pilots requested two range markers at the end of the straight-away leading into the last bend near Big Island. The range markers will be placed in the marsh adjacent to the Cooper River and will be constructed with one vertical pile, braced by three adjacent batter piles. Each range marker will include a 3' x 6' dayboard supported on treated timber piles with butt diameters of at least 12". Appropriate lights will be placed on the markers in conjunction with the dayboards. Final locations, heights, and lighting specifications will be determined in consultation with the United States Coast Guard.

The new waterfront terminal is essential to support the operations at the new PET manufacturing facility in the Bushy Park Industrial Complex. The Applicant will unload raw materials via conveyance pipes to the new facility for the production of PET. The Applicant intends for the terminal to serve ocean-going ships and barges, and inland (AIWW) vessels. Manufactured products will be transported via a new rail spur to the existing rail system to the north of the facility.

Proposed Wetland Impacts

The proposed project will result in fill impacts to 10.480-acres of freshwater wetlands. The proposed wetland impacts are summarized in the table on the following page. Refer to permit drawings 3 through 23 for detailed information regarding the impacts.

Wetland Designation	Wetland Type	Distance to Receiving Water Body (LF)	Purpose of Impact	Impact Size Acres
A	Freshwater Forested Shrub	Approximately 1,375	Air Separation Area	0.106
B	Freshwater Forested Shrub	Approximately 1,700	Railroad, NG Station, Personnel Facilities, and Plant Roadway	1.078
C	Freshwater Forested Shrub	Approximately 1,700	Railroad, Plant Roadway, Boiler, Central Workshop, and Central Lab	3.134
D	Freshwater Forested Shrub	Approximately 2,700	Product A Expansion and Plant Roadway	0.412
E	Freshwater Forested Shrub	Approximately 2,400	Product B Expansion and Plant Roadway	2.681
F	Freshwater Forested Shrub	Approximately 2,400	CHIPS Bld, Logistics Bld, Control Room, Truck and Weigh Bridge, and Roads	0.788
G	Freshwater Forested Shrub	Approximately 2,300	MEG Tanks and HTM Heater Areas	0.059
H	Freshwater Forested Shrub	Approximately 2,200	Railroad Spur	0.054
I	Freshwater Forested Shrub	Approximately 2,200	Railroad Spur	0.012
J	Freshwater Forested Shrub	Approximately 2,400	Railroad Spur	0.457
K	Freshwater Forested Shrub	Approximately 2,400	Railroad Spur	0.322
L	Freshwater Forested Shrub	Approximately 1,400	Railroad Spur	0.035
M	Freshwater Forested Shrub	Approximately 1,500	Railroad Spur	0.231
N	Freshwater Forested Shrub	Approximately 1,500	Railroad Spur	0.247
O	Freshwater Forested Shrub	Approximately 2,500	Railroad Spur	0.864
1	Riverine	N/A	Marine Terminal (shading)	0.46
2	Riverine	N/A	Dredging	~93
Total				103.94

*114-acres is the total approximate area of the entire channel. Actual dredge area will be approximately 93-acres based on existing depths.

Avoidance and Minimization

The Applicant is proposing to construct a new manufacturing facility. Due to the size requirements of the facility (>200-acres) with rail and deep water access, available alternatives within a 5-mile radius are limited. Additionally, manufacturing of chemicals at this type of facility requires substantial process flow engineering and

optimization, existing infrastructure, industrial zoning, and transportation access (rail, deep water, and highway), as detailed in the applicant's "Wetlands Impact Alternatives Analysis & Mitigation Plan."

In consideration of these items, the Applicant examined various alternatives and locations of the project components and made adjustments when possible, as discussed below:

- a. The site was selected through a rigorous site selection evaluation process. Alternative sites that generally met the aforementioned site selection criteria were extensively considered for the development of the proposed manufacturing facility. Specifically, four alternative sites within a five mile radius of the proposed site were evaluated. The four alternative sites meet the size requirements of the facility and are generally located in areas that could reasonably satisfy the site selection criteria for the manufacturing facility location (zoning and avoidance of tidally influence estuarine wetlands). The potential sites were evaluated for the presence of wetlands using readily available resources, such as the U.S. Fish and Wildlife Service National Wetland Inventory data and infrared aerial photograph interpretation. The four alternative sites contain more wetlands than the proposed site and the development of the alternative sites would likely result in greater wetland impacts than development of the proposed site. Additionally, the alternative sites are irregularly shaped and are not conducive to the linear process required for the manufacturing facility. Development of the alternative sites would require substantial engineering difficulty and cost to compensate for the lack of process flow logistics that naturally accompanies the development of a linear site. Lastly, the Applicant currently owns the proposed site. Purchase of an alternative property would require a substantial investment, which could prevent the development of the manufacturing facility.
- b. As previously discussed, the minimum size requirements for development of the manufacturing facility is approximately 200-acres based on anticipated space needed for process facilities, storage, and supporting infrastructure. Additionally, manufacturing of chemicals on a large scale, such as the proposed facility, requires substantial process flow engineering and optimization of procedures for handling and distributing raw materials and finished goods. As such, the application evaluated various site layouts prior to the proposed site design.
 - i. Previously considered alternative site designs required few impacts to forested shrub wetlands; however, impacts to tidally influenced estuarine wetland fingers that border the site to the east were necessary to meet size requirements. The proposed site design does not impact estuarine wetlands. The approximately 8.021-acres of estuarine wetlands located on the eastern portion of the site will be preserved under restrictive covenants. By condensing the site design plan into the proposed site, the impacts to estuarine wetlands have been avoided and impacts to forested shrub wetlands have been minimized to the maximum extent practicable while maintaining the project objectives.
 - ii. The alternative layouts were less linear and would have required substantial engineering and cost to compensate for the lack of flow process that naturally accompanies linear sites.
 - iii. Alternative layouts within the proposed project boundary required to achieve the required manufacturing consideration for flow processes did not result in fewer wetland impacts due to the expansive size of the facility and the density of the development and supporting infrastructure requirements within the boundary.
 - iv. As a measure of wetland impact minimization, a 25' mean undisturbed buffer will be left between the site and undisturbed wetlands on the site. The total buffer will be approximately 2.911-acres.
- c. The export of materials, via rail, is critical to the manufacturing facility. Trains have limited turning radii and require straight, continuous lengths. As such, alteration to the railroad design was not feasible based on the limited existing right-of-way available for the railroad.

- d. The preferred location for the construction of the proposed marine terminal is near the northern end of the site, immediately adjacent to the proposed production facility on the Cooper River. This location would allow for easy transfer of raw materials from ocean-going vessels to the production facility. However, the Applicant chose not to locate the terminal in this location in order to reduce the amount of dredging and wetlands impact necessary for the project. Instead, the Applicant chose to locate the terminal near Big Island and install conveyance pipes and a pipe rack that will extend north from the proposed terminal, and through the Bushy Park Industrial Complex to the new production facility. The location of the proposed aboveground conveyance pipe and pipe rack will not impact jurisdictional freshwater wetlands.
- e. The preferred location of the dock is west of its proposed location. By locating it west of its proposed location, the length, and therefore, the shading and construction effects of the access pier would be reduced. Additionally, the preferred location is in the deeper, natural channel of the Cooper River. However, due to navigation concerns expressed by the Charleston Harbor Pilots, the dock could not be placed westward towards Big Island or in an area of deeper water. The proposed location takes into account navigation concerns, as well as providing access to the tidal creeks east of Big Island in the associated marsh.
- f. The channel location and widths were established during meetings with the Charleston Harbor Pilots. In order to reduce dredging volumes, the Applicant would have preferred to reduce the widths of the channel. However, the proposed widths of 250' in the straight-aways and at least 300-feet in the bends of the river are required to safely navigate the Cooper River.
- g. The need for dredging is necessitated by the raw materials used in the production process, which will be imported via ocean-going vessels. Logistically and economically, the production facility would not be feasible if all raw materials are imported to the site via truck or rail, or off-loaded onto smaller vessels at a mid-stream ship-to-ship transfer location. As described above, the channel depth and width have been designed to handle the typical ocean-going vessel used to import these materials.

In summary, the Applicant reviewed multiple alternatives, some of which are preferable to the proposed facilities layout. Where logistically and economically possible, the Applicant elected to design the facility layout to minimize impacts to Waters of the United States. However, as described above, certain impacts are unavoidable.

Proposed Mitigation

The proposed project requires 10.480-acres of wetland fill for the purposes of constructing the manufacturing facility and associated infrastructure. Mitigation for the project will be provided through purchase of available credits from approved mitigation banks. Mitigation credits were calculated using the Guidelines for Preparing a Compensatory Mitigation Plan, last revised October 7, 2010. It was determined that 142.7 mitigation credits are required to offset wetland impacts associated with the project. Mitigation calculation tables and additional details are located in the attached "Wetland Impact Alternatives Analysis & Mitigation Plan." Proposed mitigation for the project is as follows:

- 50% or 71.3 mitigation credits will be obtained from Francis Beidler Mitigation Bank in the form of preservation credits.
- 50% or 71.4 mitigation credits will be obtained from the Congaree-Carton Mitigation Bank in the form of restoration and/or enhancement credits.

Purpose

The purpose of the proposed work is to construct and support operations at a new PET manufacturing facility in the Bushy Park Industrial Complex. The Applicant will unload raw materials via conveyance pipes to the new facility for the production of PET. The Applicant intends for the terminal to serve ocean-going ships and barges,

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and inland (AIWW) vessels. Manufactured products will be transported via a new rail spur to the existing rail system to the north of the facility. As stated by the applicant, "Upon completion, the facility will employ an estimated 700 fulltime hourly and salaried employees. The facility will support local industries, and the expeditious completion of the manufacturing facility and subsequent operation is vital to strengthen the South Carolina economy and technically sophisticated manufacturing in the United States as a whole."

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 South Carolina Coastal Zone Management Act (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. Persons wishing to comment or object to State certification must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

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 10.48 acres of freshwater wetlands upstream of estuarine substrates and approximately 114 (93 acres dredging and 0.46 acres shading) 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). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

The District Engineer has consulted the most recently available information and has made no determination of effect on any federally endangered, threatened, or proposed species. 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 7(c) of the Endangered Species Act of 1973 (as amended).

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.

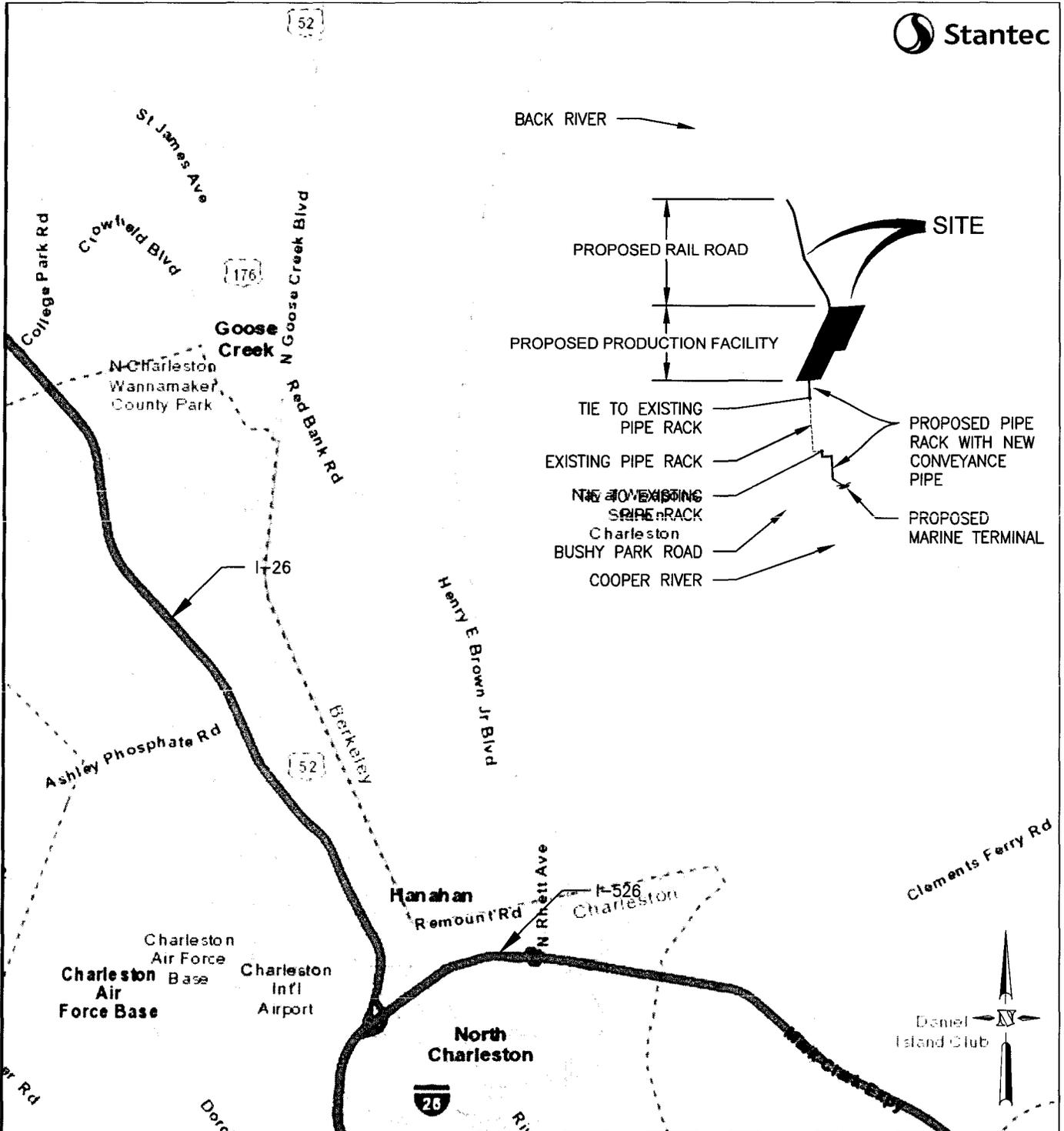
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

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.



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 1
PROJECT LOCATION

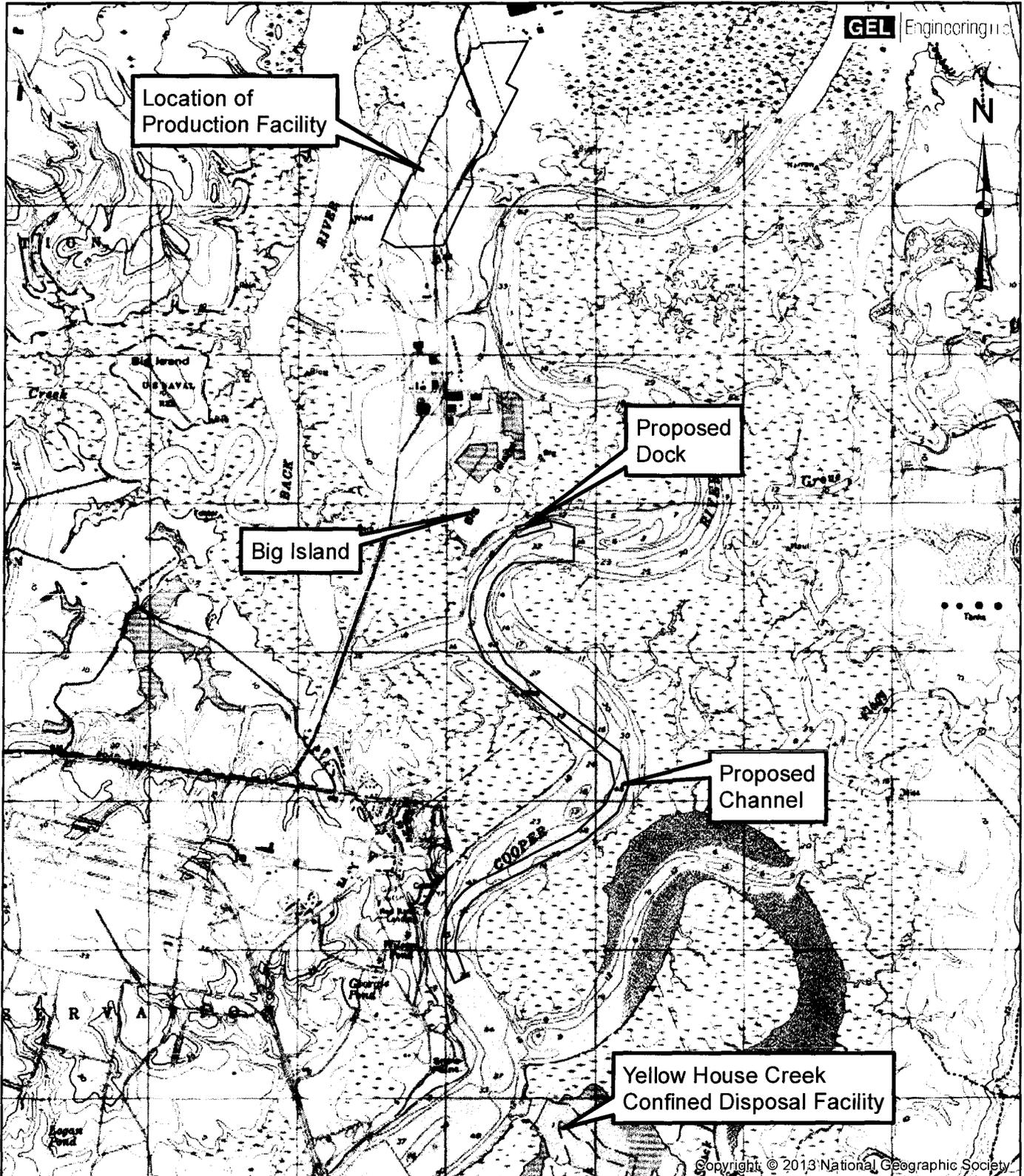
NOT TO SCALE

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 1 OF 86 DATE: 2/25/14



PURPOSE: PROJECT STRIKER
 WETLANDS FILL
 MARINE TERMINAL FACILITY
 COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS:
 SEE ATTACHED:
 PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: N/A

FIGURE 2
 TOPOGRAPHIC LOCATION MAP
 NOT TO SCALE

PROJECT STRIKER
 BUSHY PARK INDUSTRIAL COMPLEX
 BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
 MARINE TERMINAL
 CHANNEL DREDGING

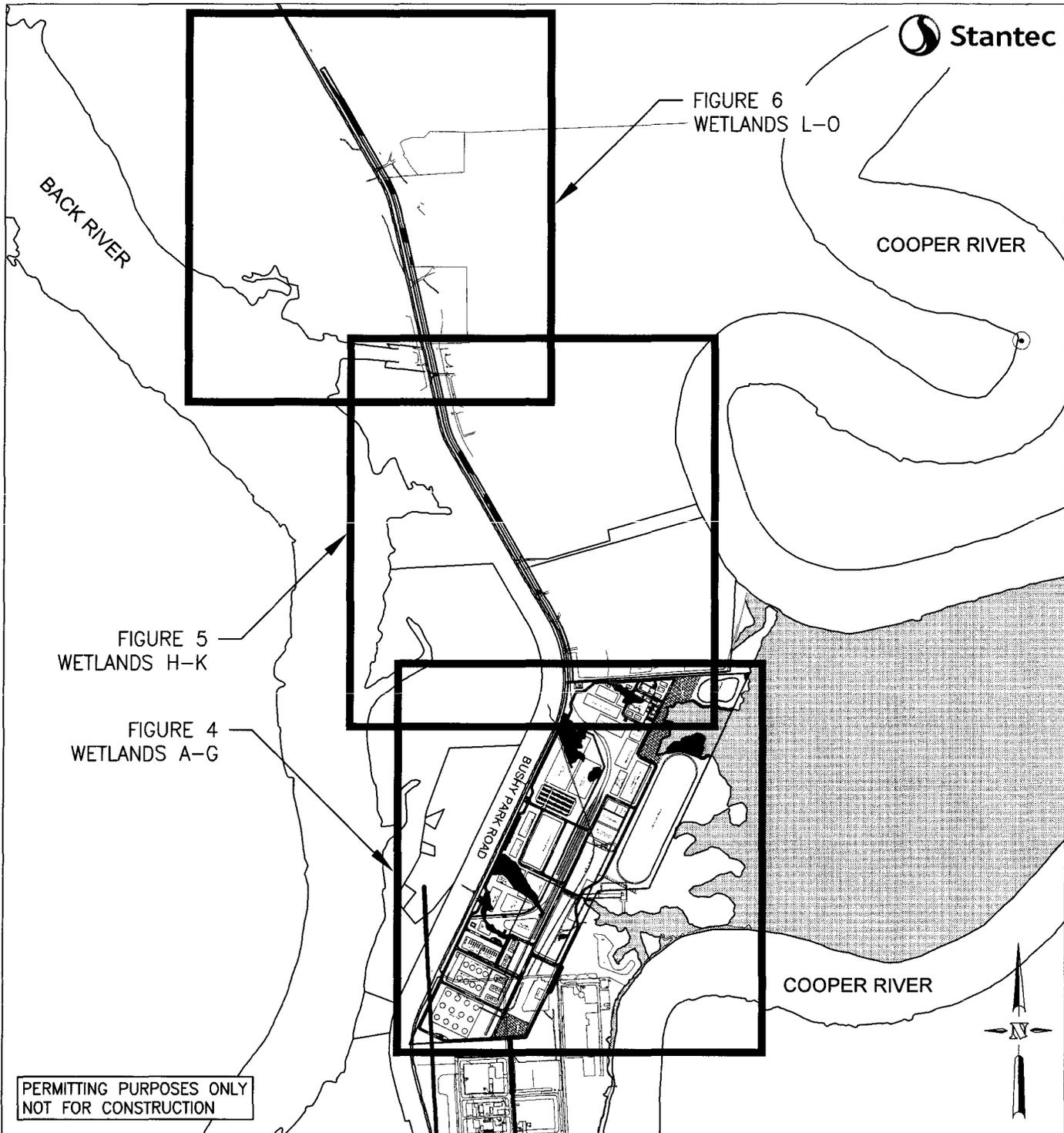
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
 SOUTH CAROLINA

SHEET: 2 of 86

DATE: 2/25/14



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
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SURVEY DATUM: NAD83, NAVD88

FIGURE 3
FRESHWATER WETLAND FILL
INDEX MAP

1" = 2000'

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

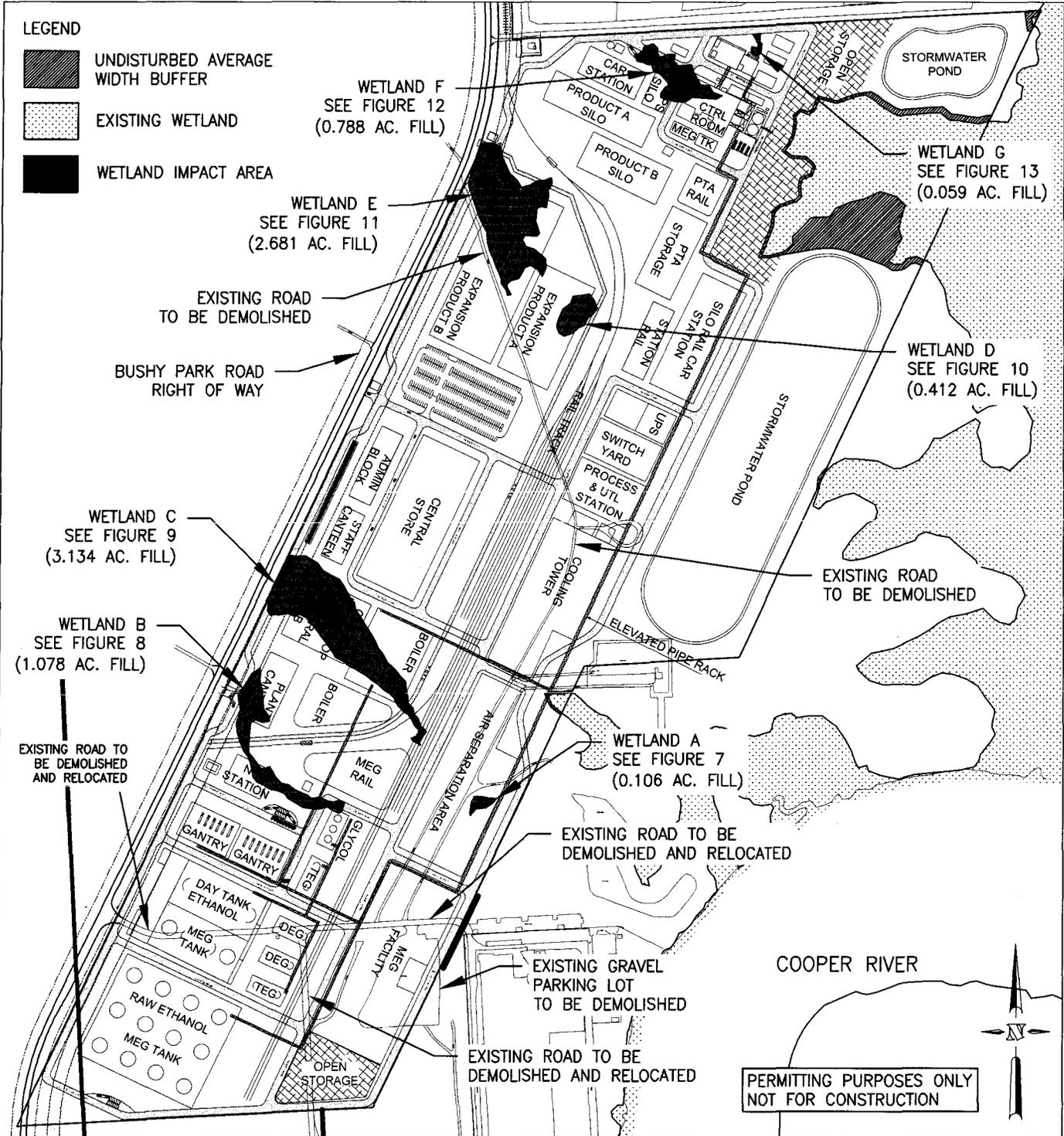
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 3 OF 86 DATE: 2/25/14



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 4
INDEX SHEET 1 OF 3

1" = 600'

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

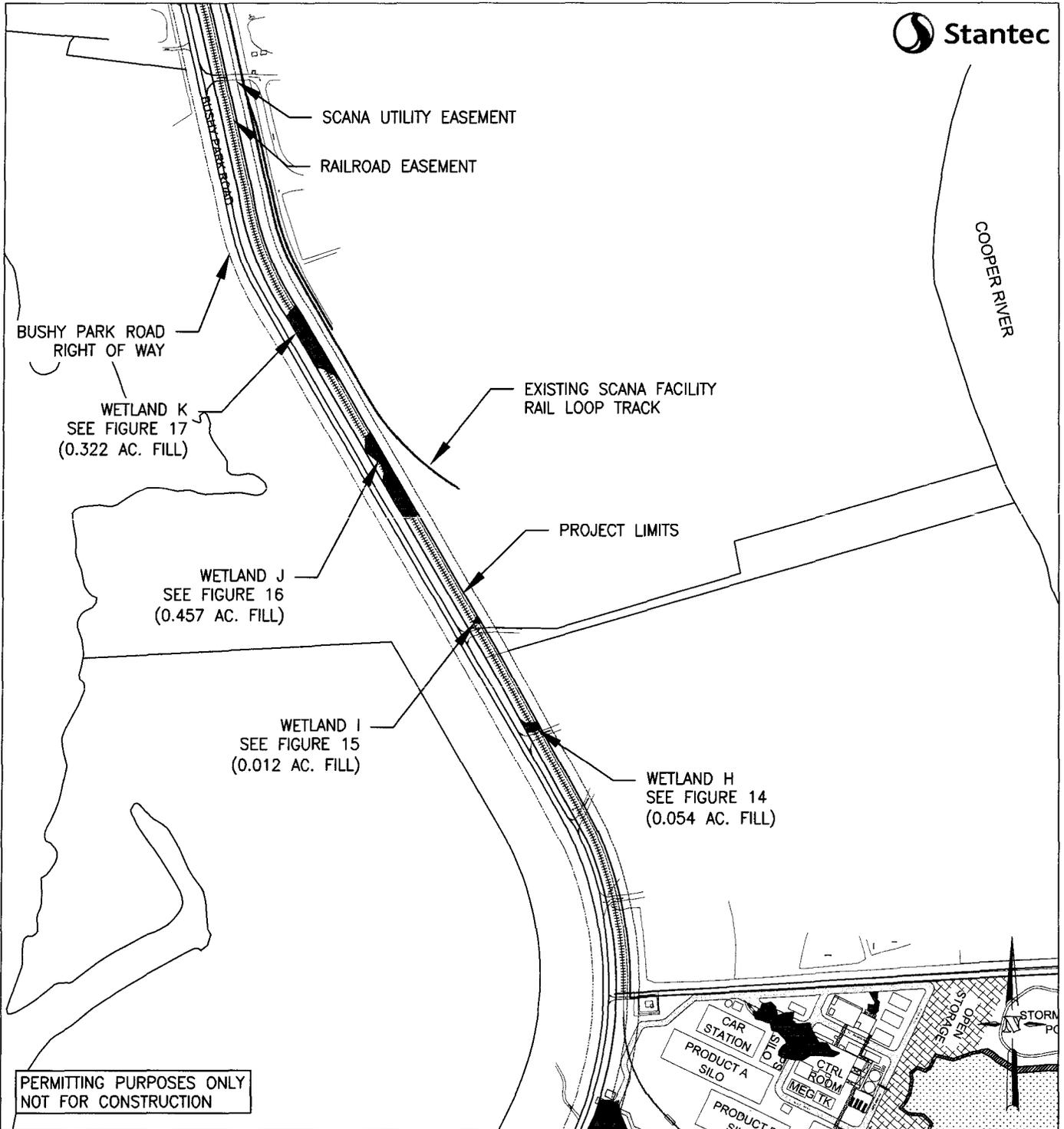
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

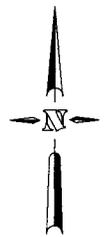
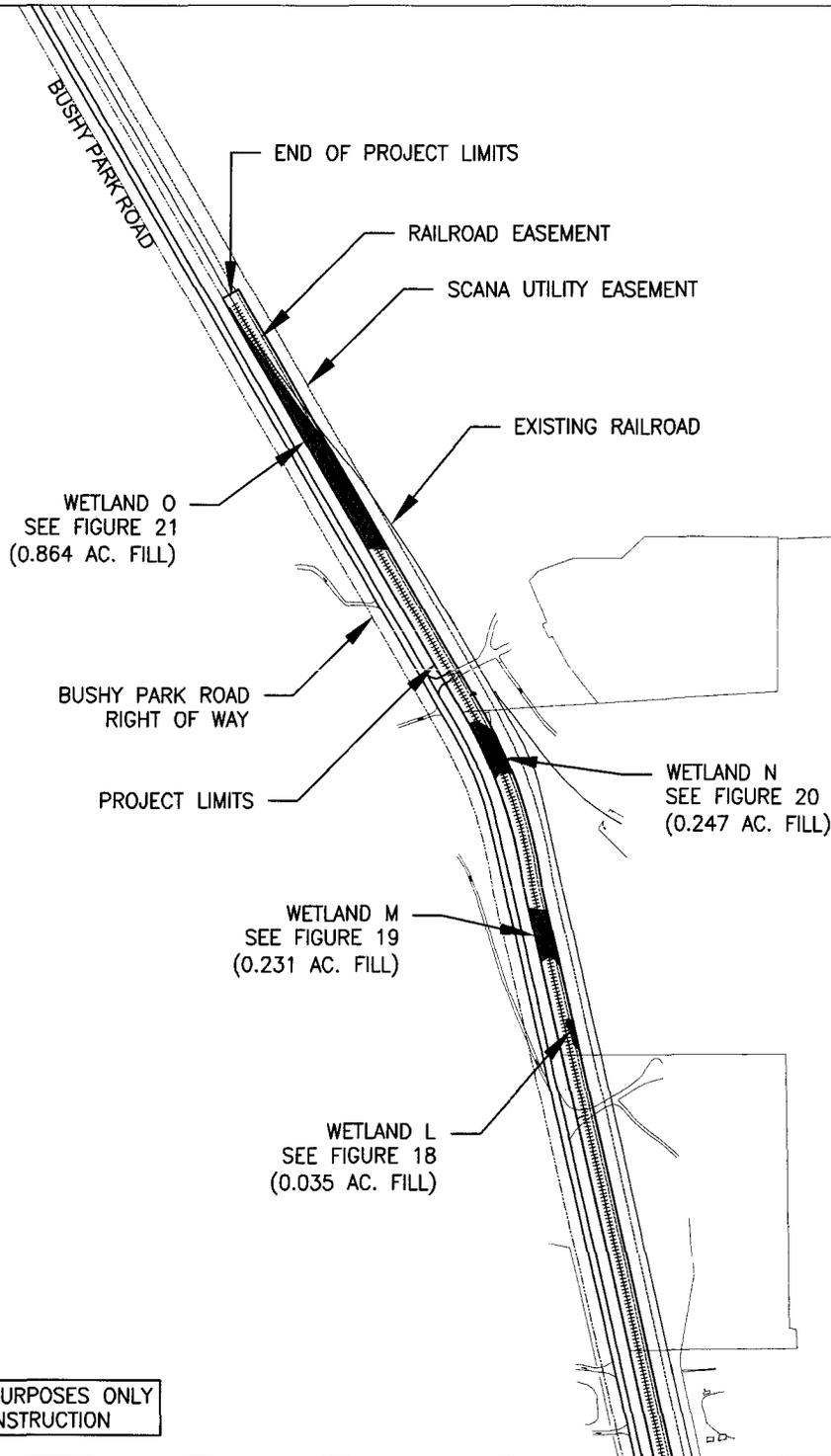
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

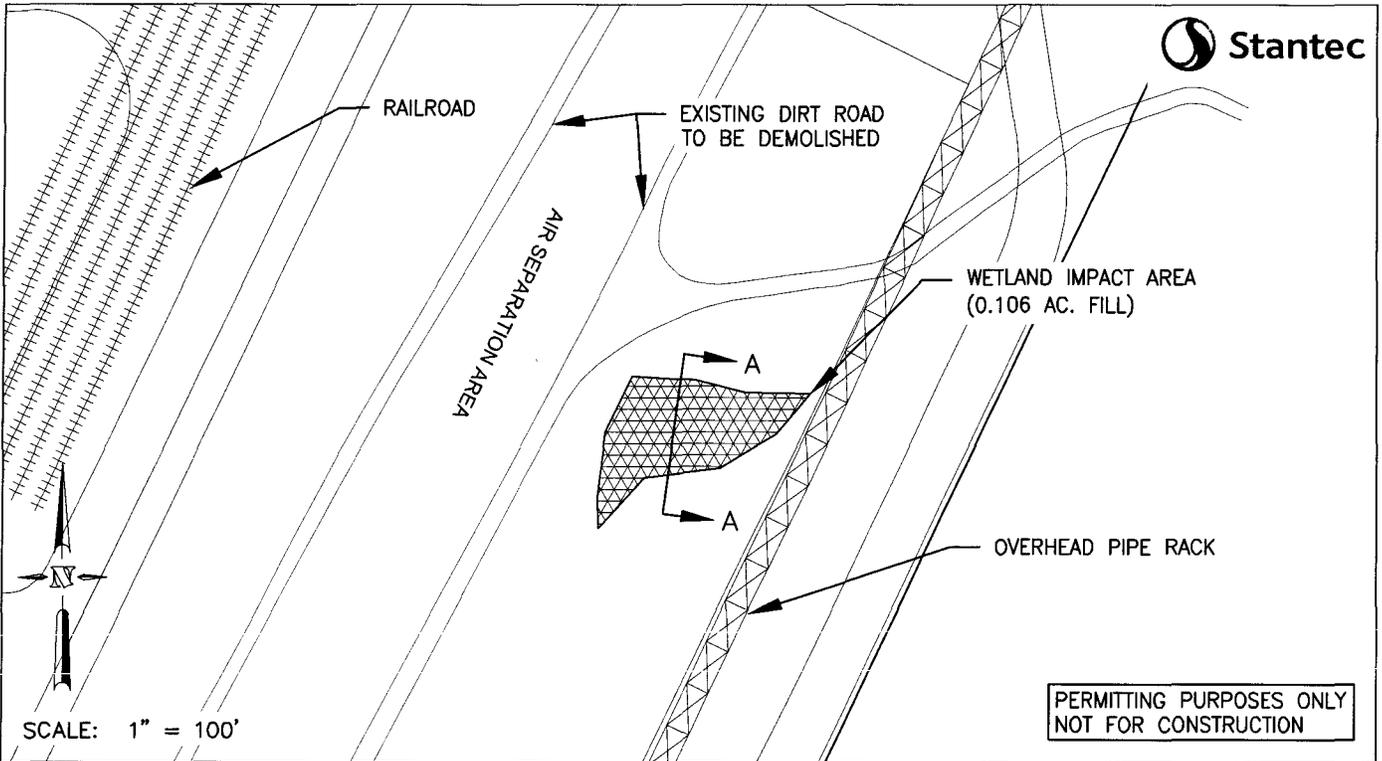
SHEET: 4 OF 86 DATE: 2/25/14



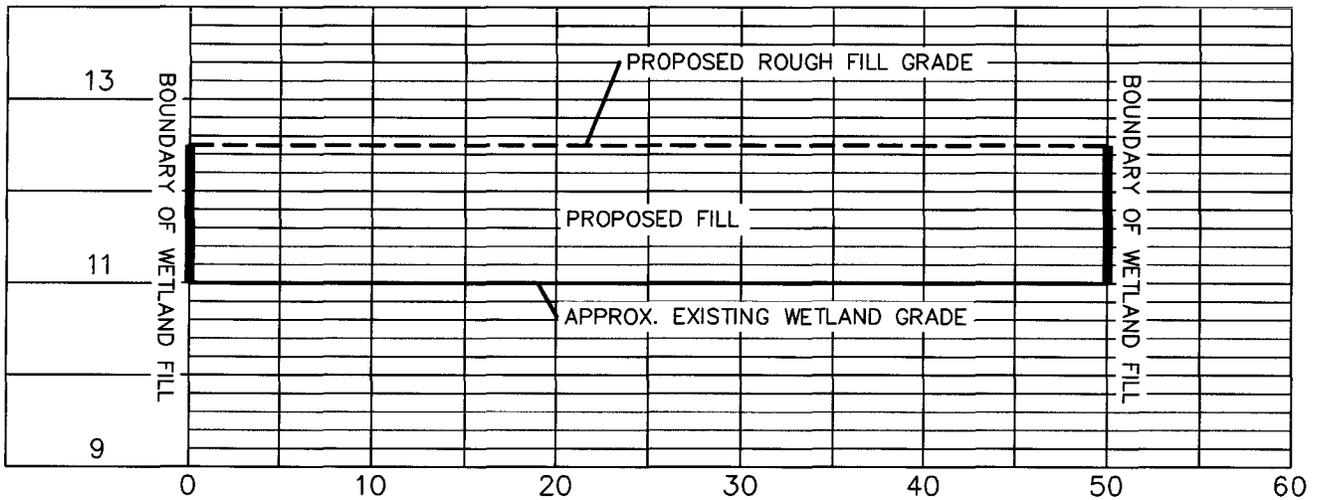
<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAD83, NAVD88</p>	<p>FIGURE 5</p> <p>INDEX SHEET 2 OF 3</p> <p>1" = 600'</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 5 OF 86 DATE: 2/25/14</p>
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<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAD83, NAVD88</p>	<p>FIGURE 6</p> <p>INDEX SHEET 3 OF 3</p> <p>1" = 600'</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 6 OF 86 DATE: 2/25/14</p>
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WETLAND A FILL SECTION
(JURISDICTIONAL)
TOTAL EST. VOLUME OF WETLAND FILL: 255 CU. YD.



HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 7
WETLAND PLAN
AND FILL SECTION
SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

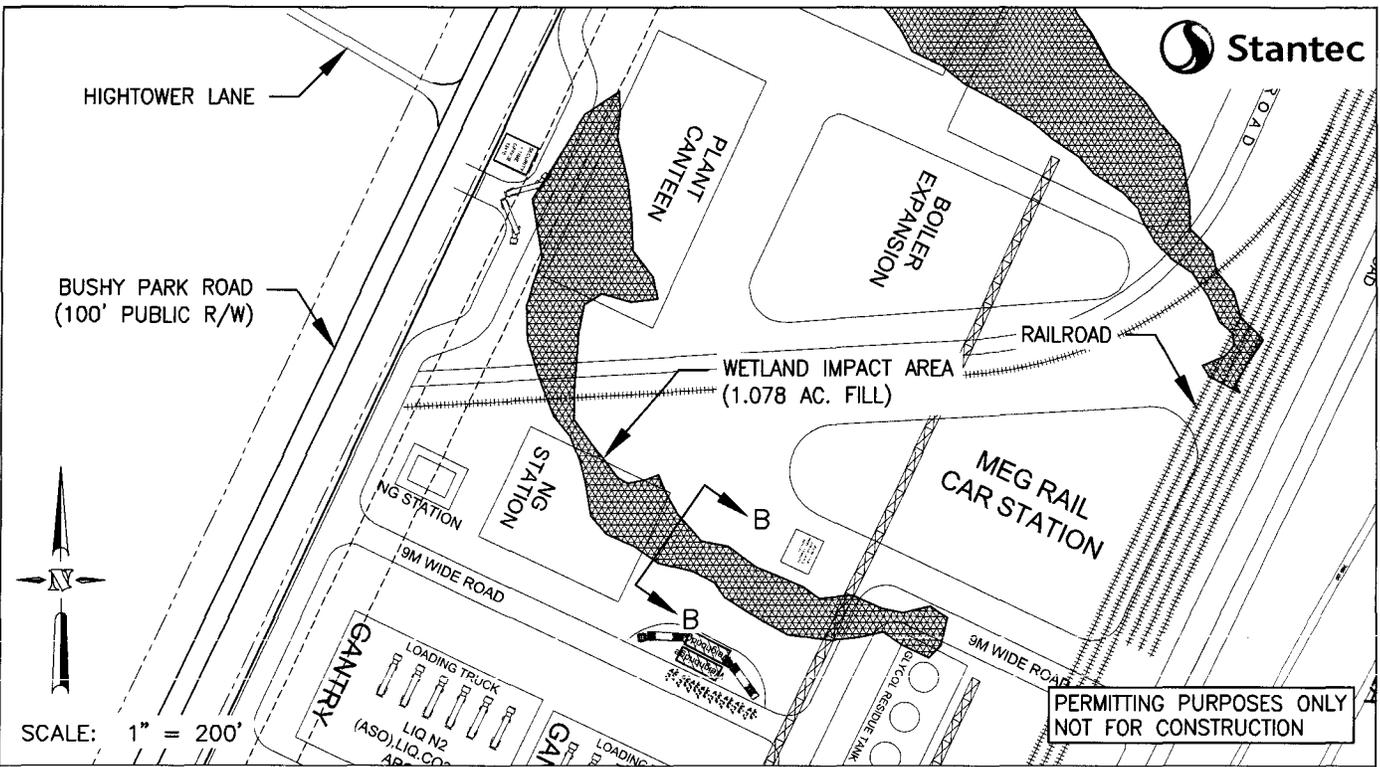
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER

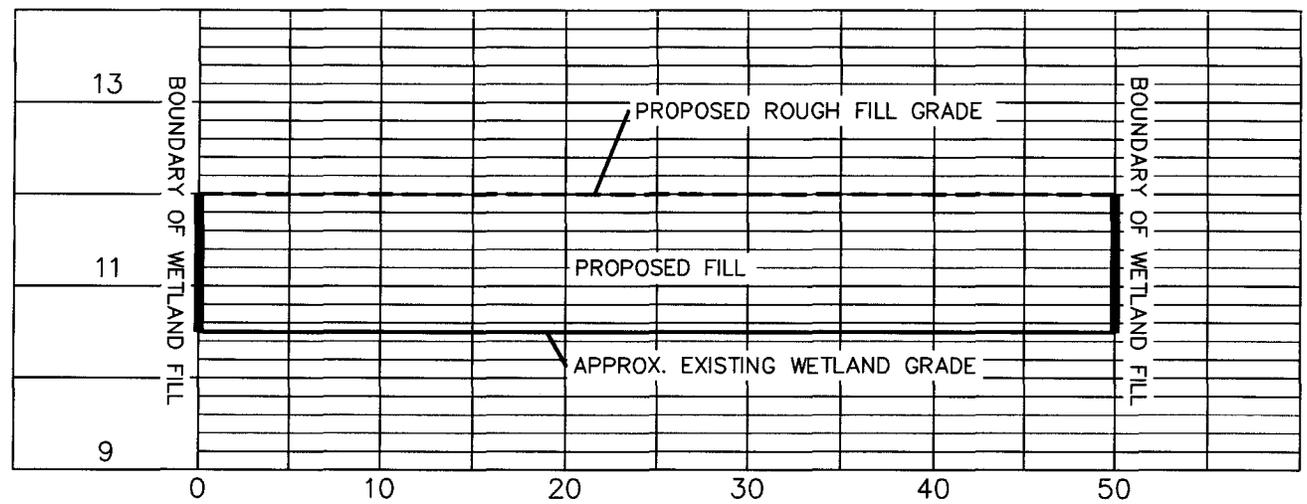
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 7 OF 86

DATE: 2/25/14

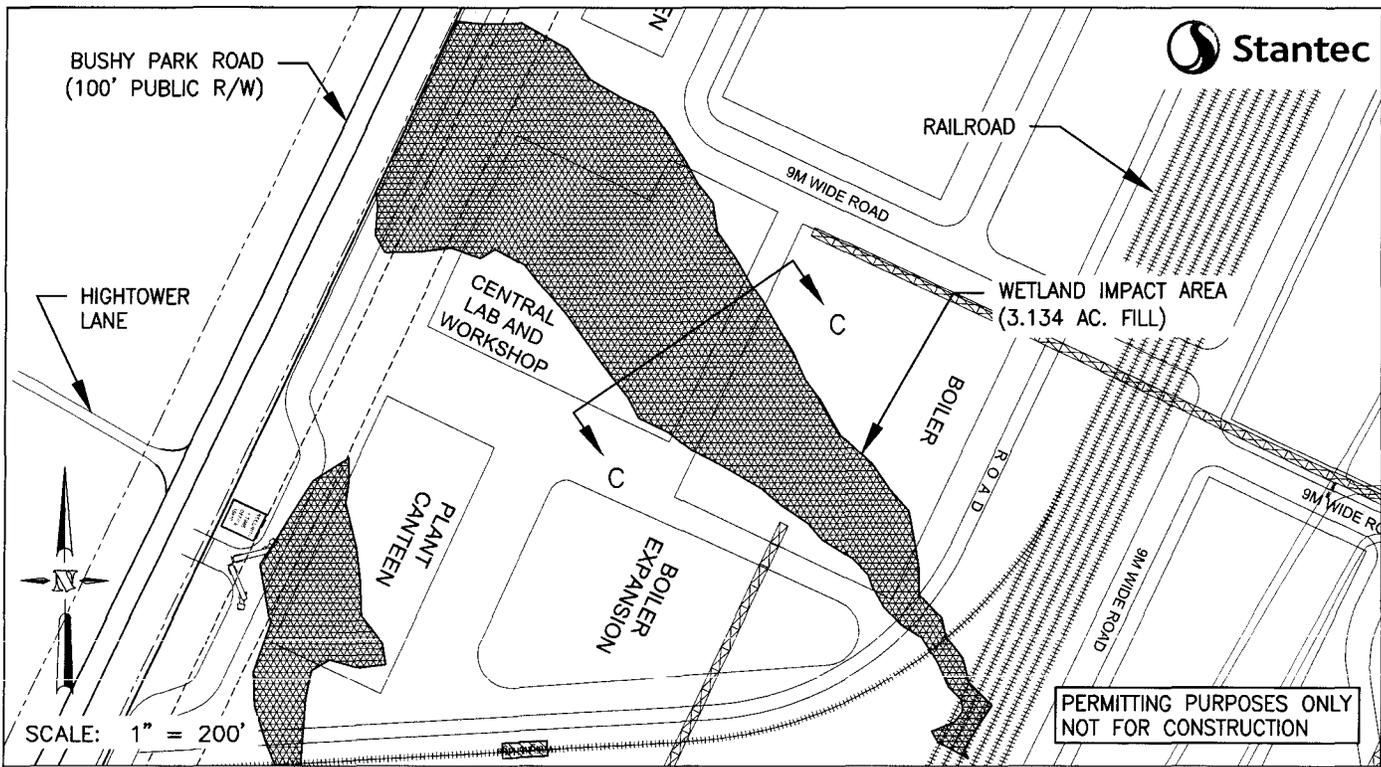


WETLAND B FILL SECTION
(JURISDICTIONAL)
TOTAL EST. VOLUME OF WETLAND FILL: 2608 CU. YD.



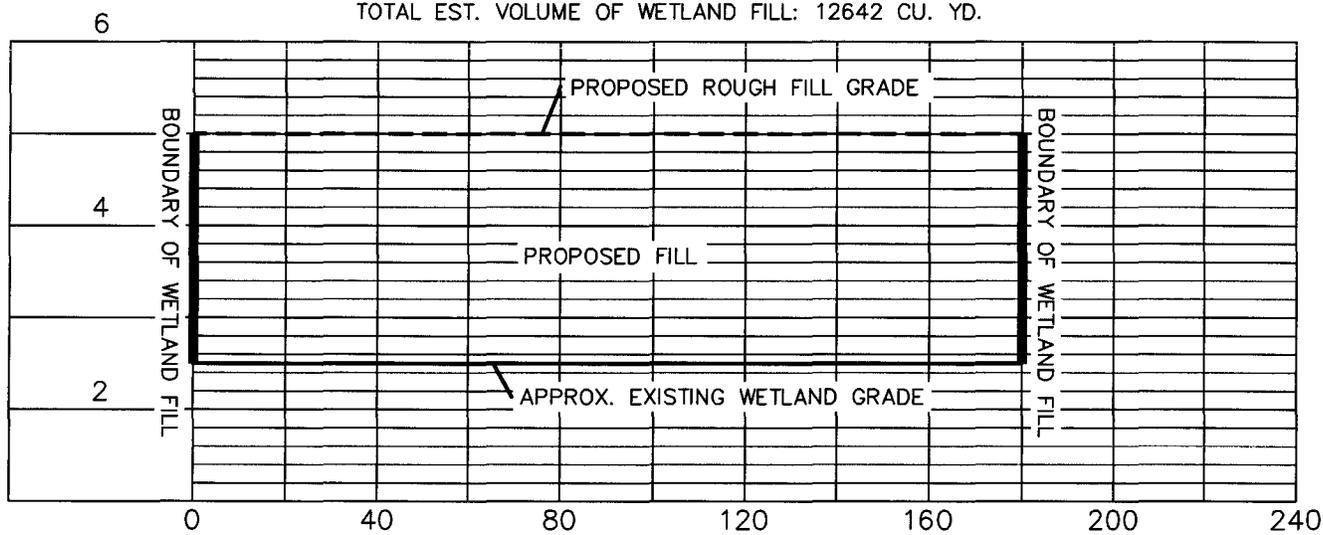
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAD83, NAVD88</p>	<p>FIGURE 8</p> <p>WETLAND PLAN AND FILL SECTION</p> <p>SCALE AS SHOWN</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 8 OF 86 DATE: 2/25/14</p>
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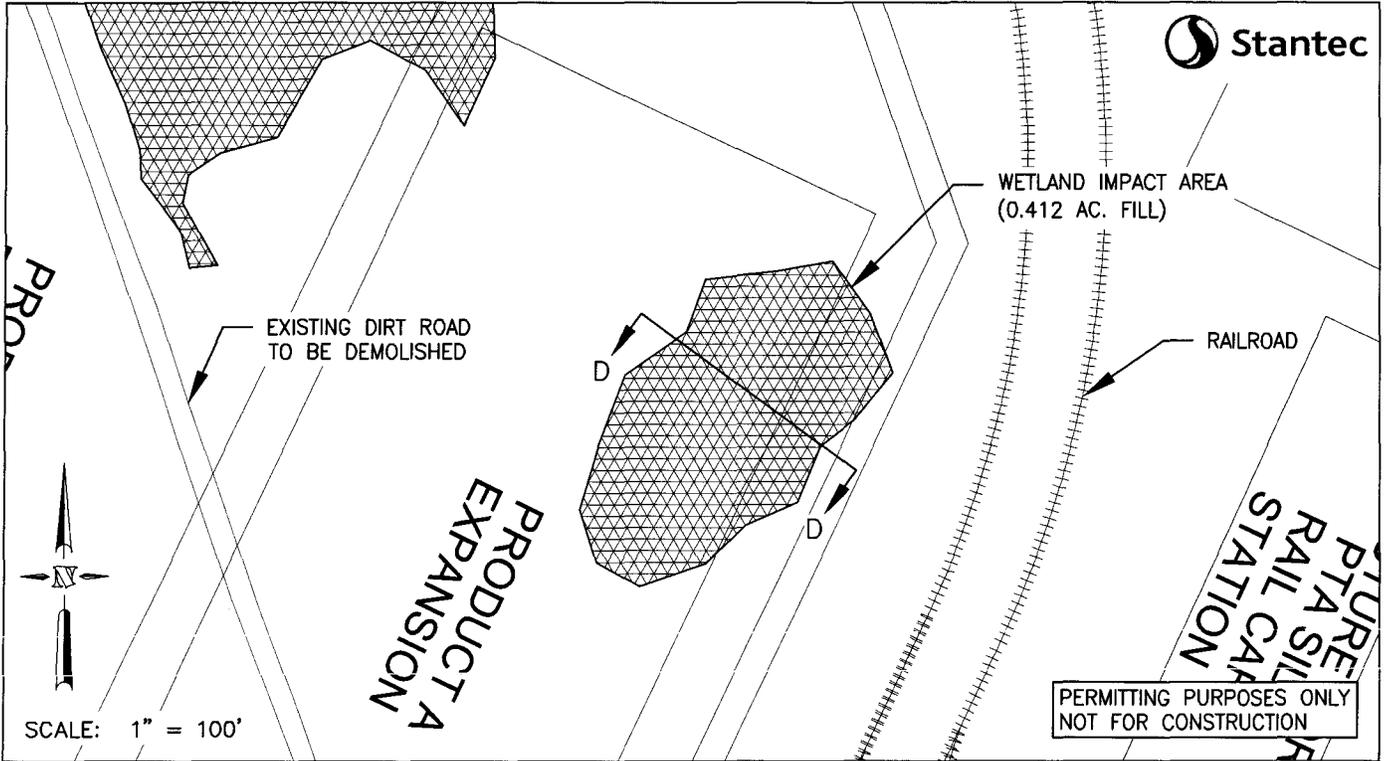
**WETLAND C FILL SECTION
(JURISDICTIONAL)**

TOTAL EST. VOLUME OF WETLAND FILL: 12642 CU. YD.



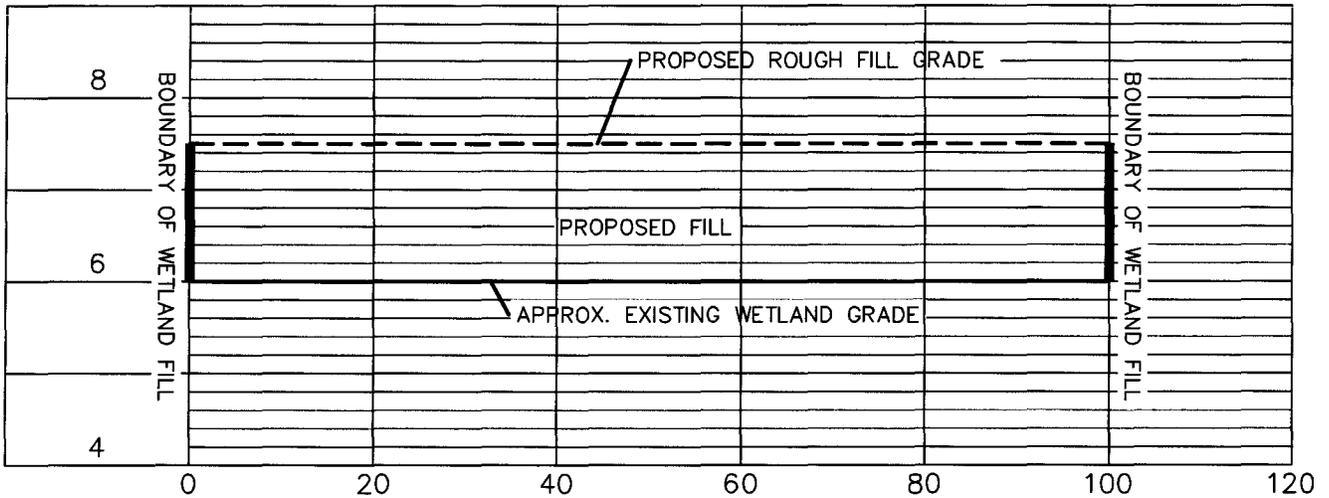
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 2'

<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAD83, NAVD88</p>	<p>FIGURE 9</p> <p>WETLAND PLAN AND FILL SECTION</p> <p>SCALE AS SHOWN</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 9 OF 86 DATE: 2/25/14</p>
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**WETLAND D FILL SECTION
(JURISDICTIONAL)**

TOTAL EST. VOLUME OF WETLAND FILL: 996 CU. YD.



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 10

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

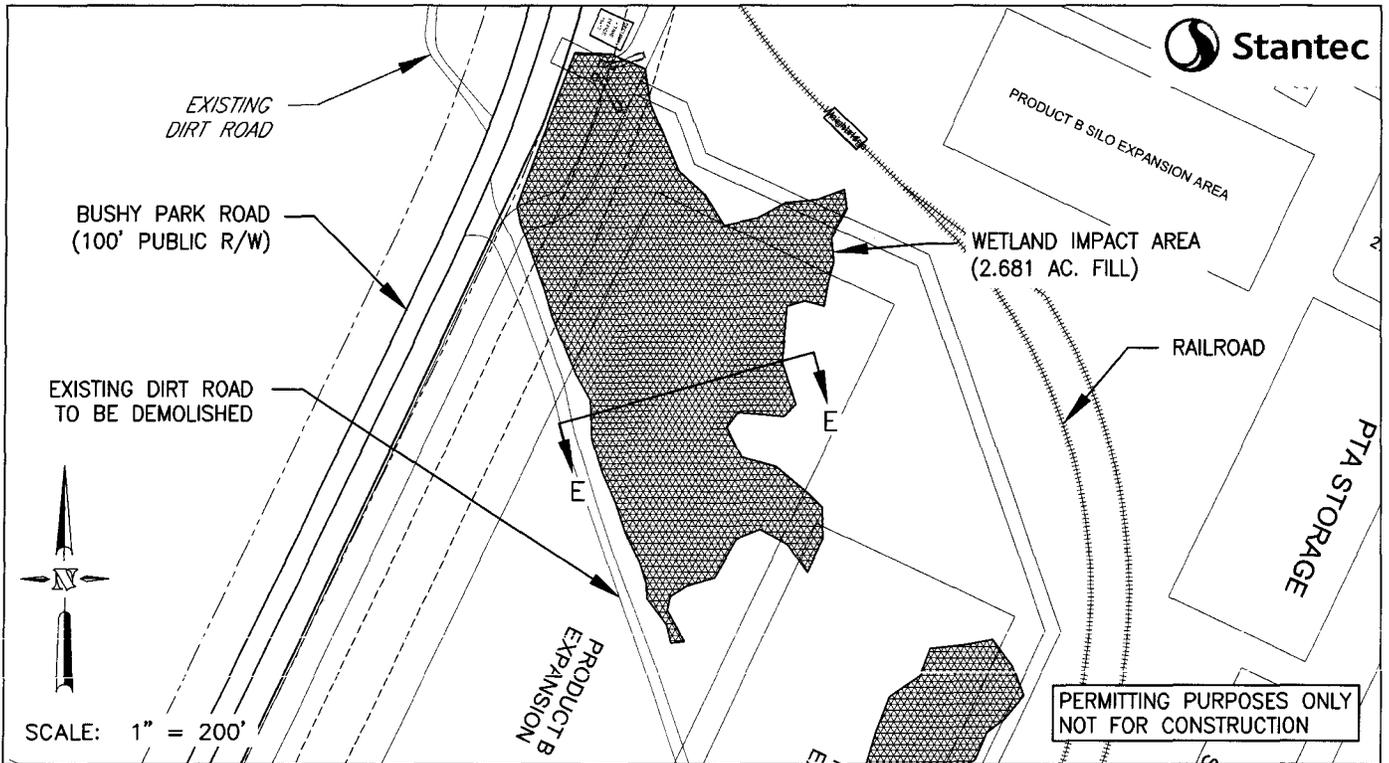
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

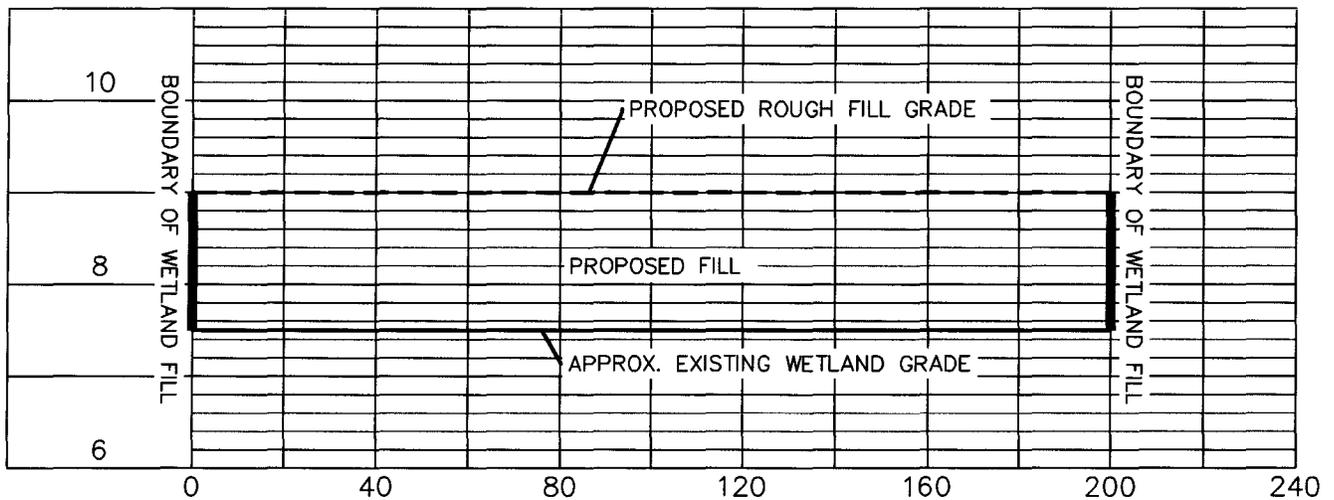
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 10 OF 86

DATE: 2/25/14



**WETLAND E FILL SECTION
(JURISDICTIONAL)**
TOTAL EST. VOLUME OF WETLAND FILL: 6487 CU. YD.



HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 2'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 11

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

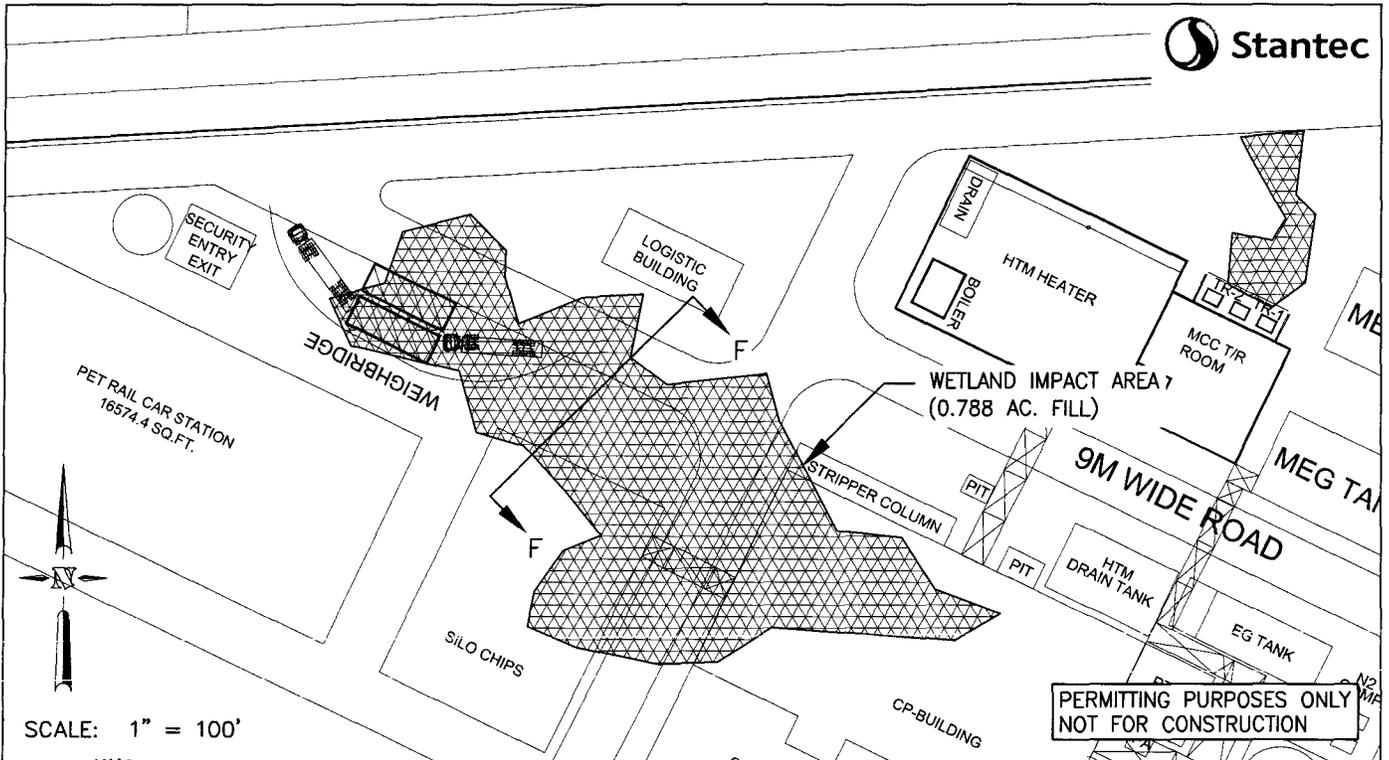
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

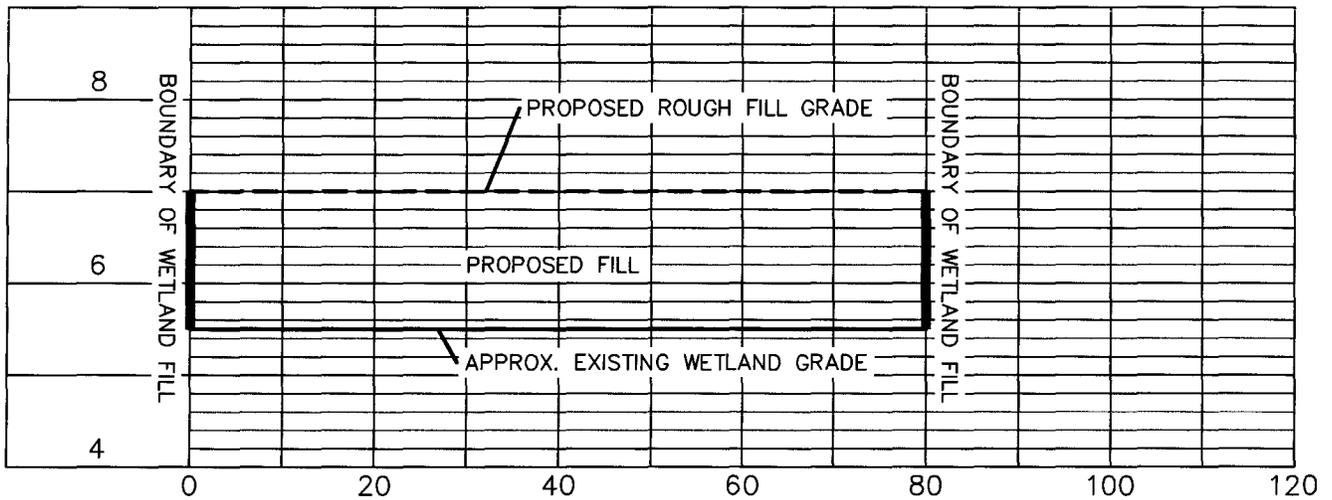
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 11 OF 86

DATE: 2/25/14



WETLAND F FILL SECTION
(JURISDICTIONAL)
TOTAL EST. VOLUME OF WETLAND FILL: 1906 CU. YD.



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 12

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

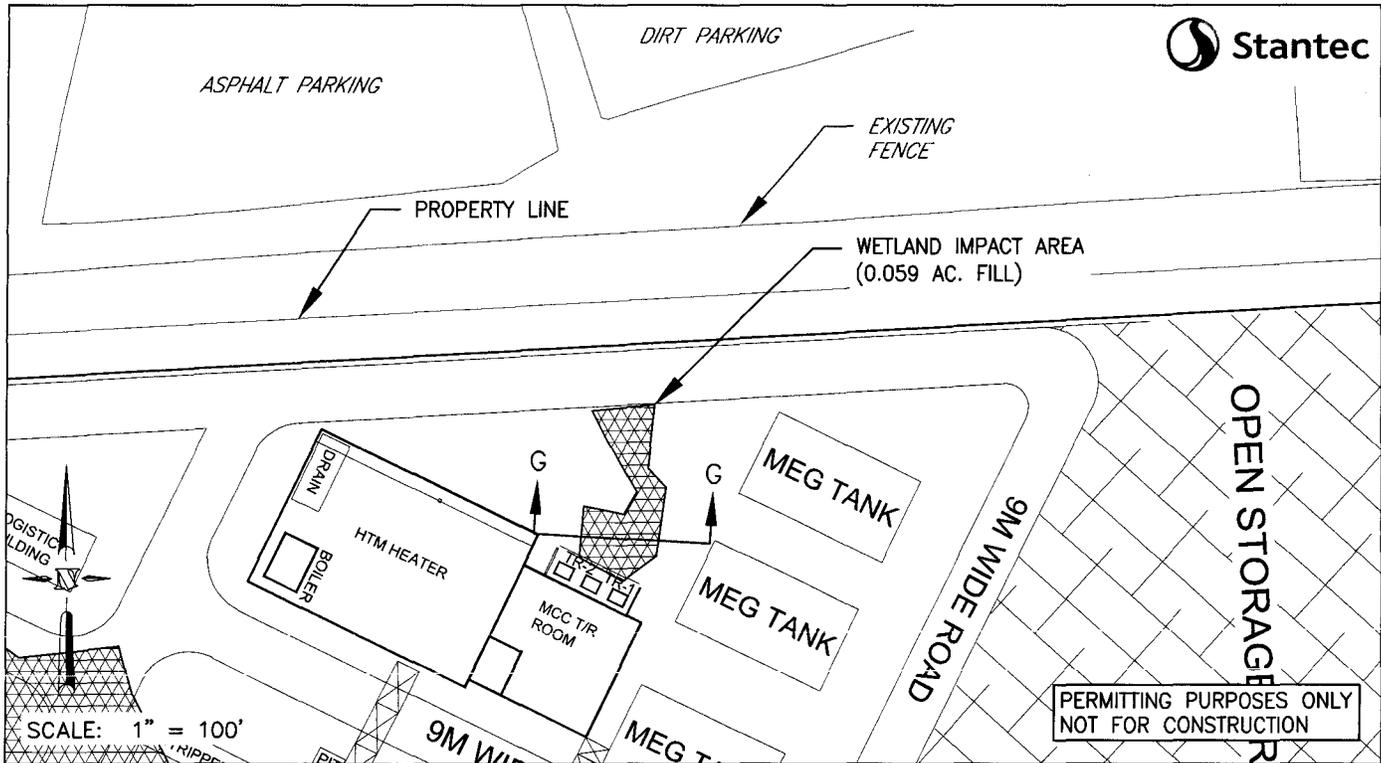
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

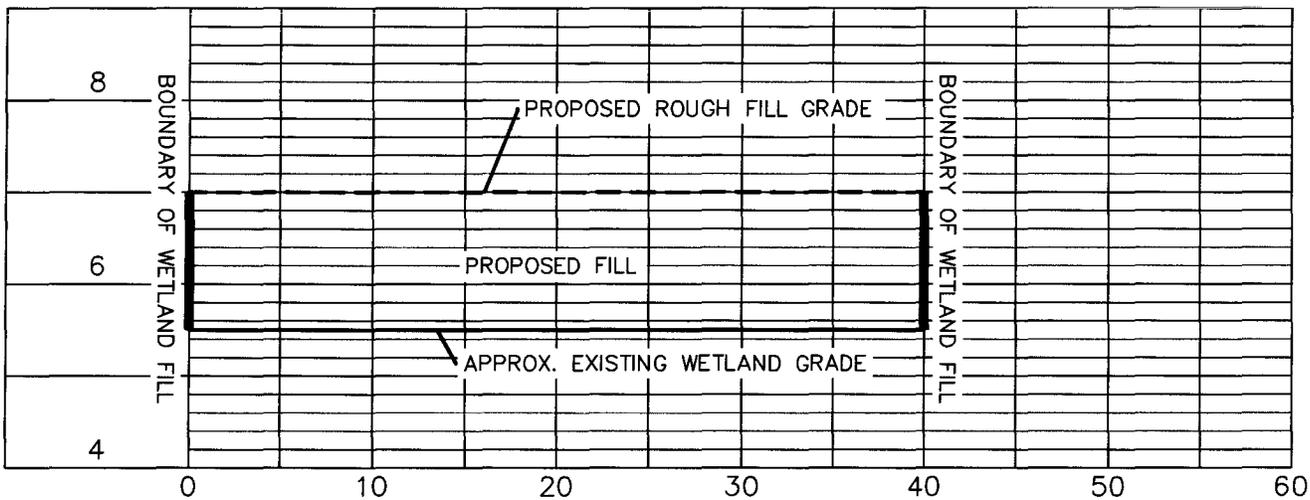
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 12 OF 86

DATE: 2/25/14



WETLAND G FILL SECTION
(JURISDICTIONAL)
TOTAL EST. VOLUME OF WETLAND FILL: 142 CU. YD.



HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 13
WETLAND PLAN
AND FILL SECTION
SCALE AS SHOWN

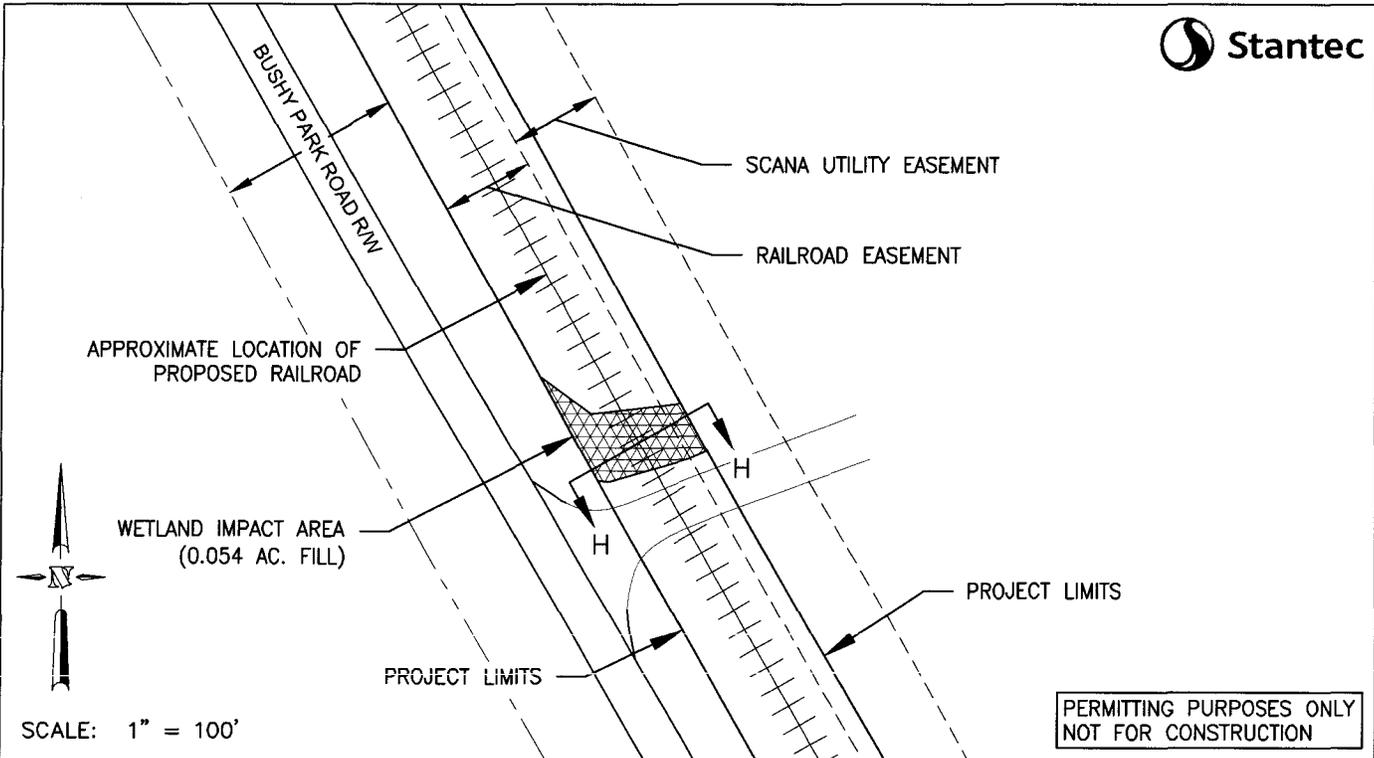
PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER

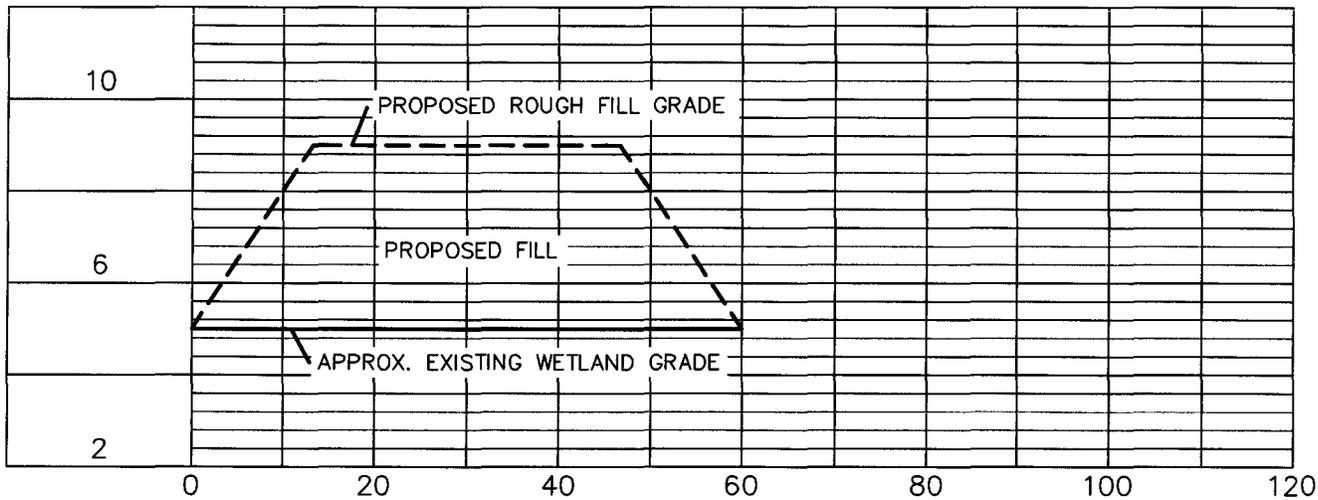
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 13 OF 86 DATE: 2/25/14



**WETLAND H FILL SECTION
(JURISDICTIONAL)**

TOTAL EST. VOLUME OF WETLAND FILL: 350 CU. YD.



HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 4'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 14

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

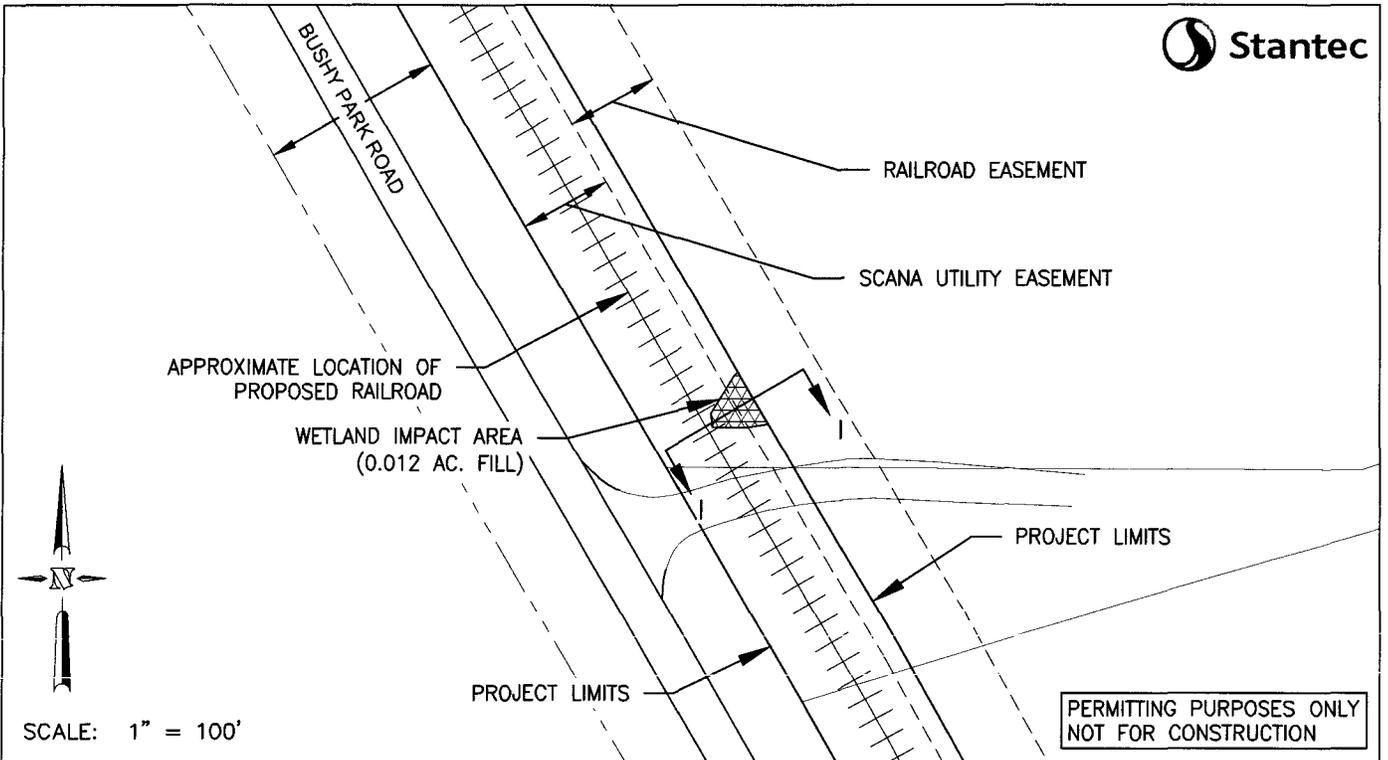
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

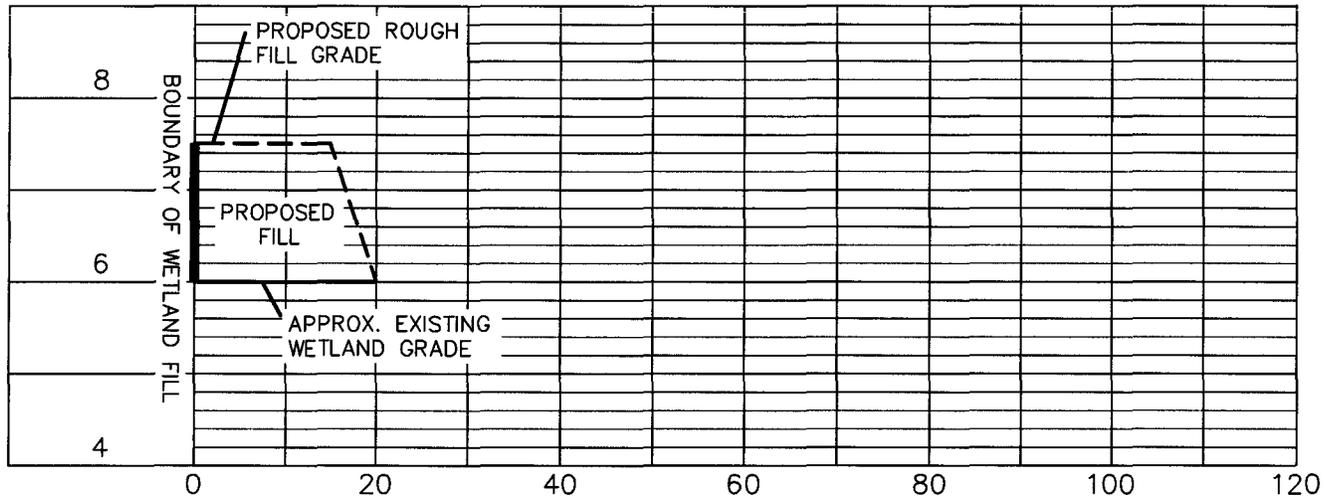
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 14 OF 86

DATE: 2/25/14



WETLAND I FILL SECTION
(JURISDICTIONAL)
TOTAL EST. VOLUME OF WETLAND FILL: 30 CU. YD.



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 15

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

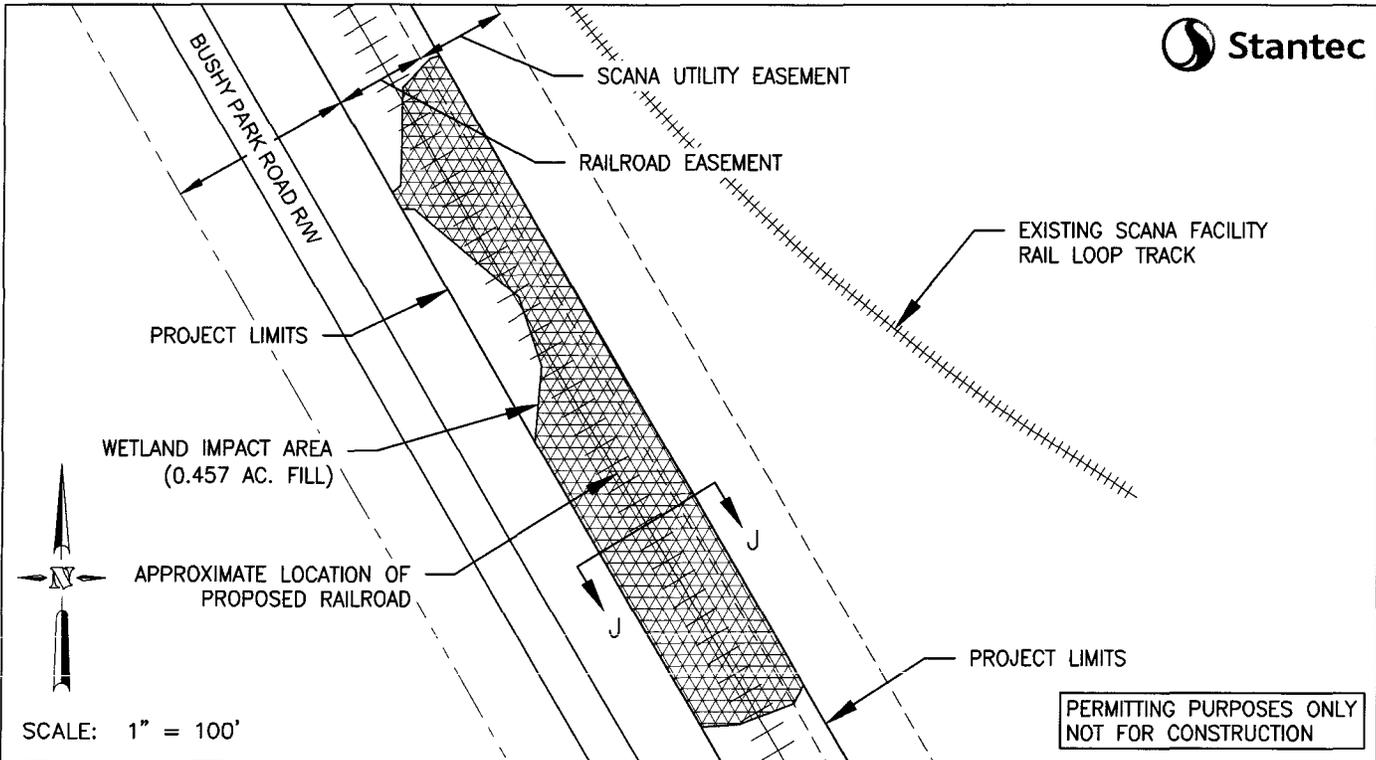
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

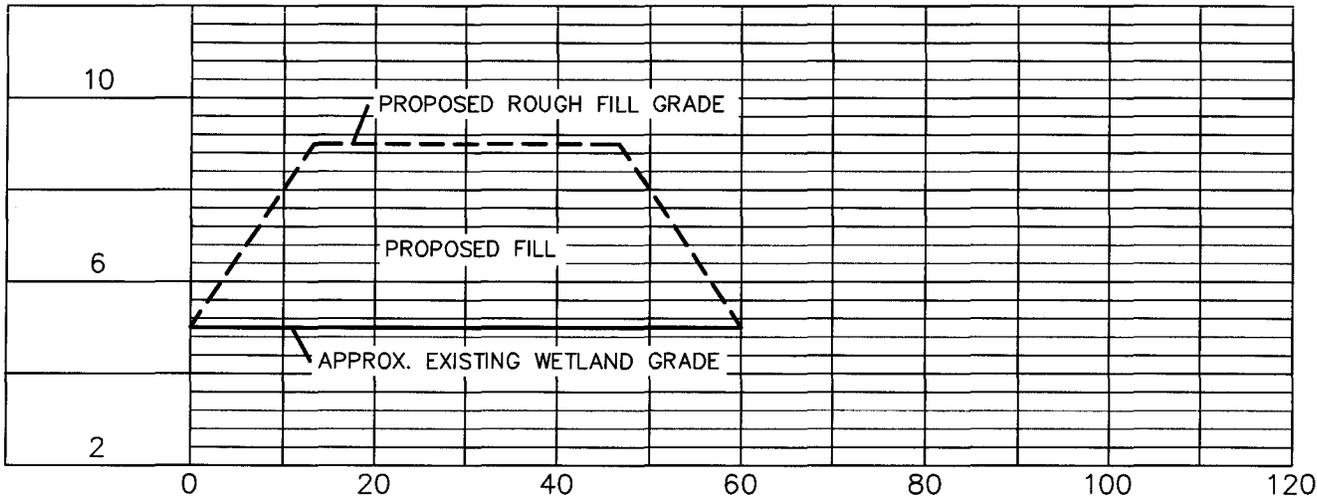
SHEET: 15 OF 86

DATE: 2/25/14



**WETLAND J FILL SECTION
(JURISDICTIONAL)**

TOTAL EST. VOLUME OF WETLAND FILL: 2950 CU. YD.



HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 4'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 16

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

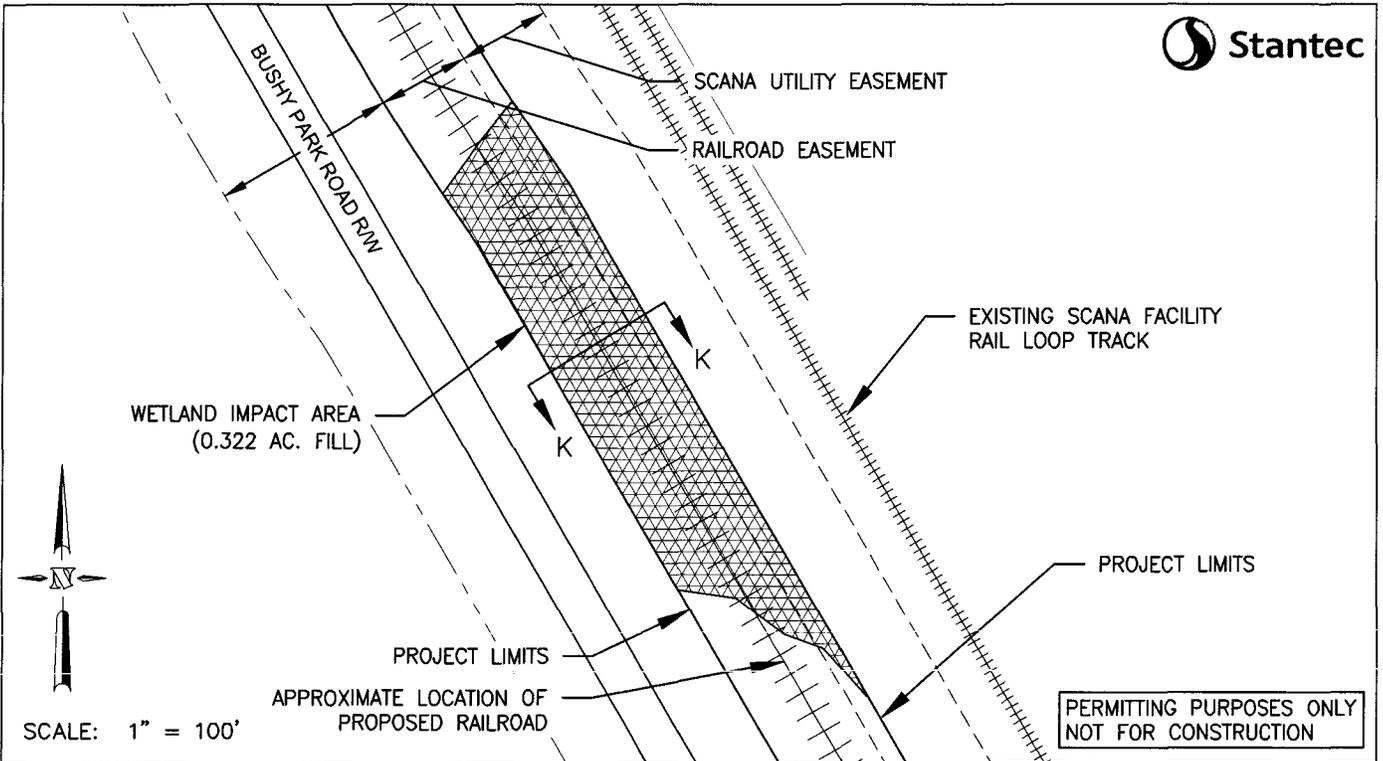
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

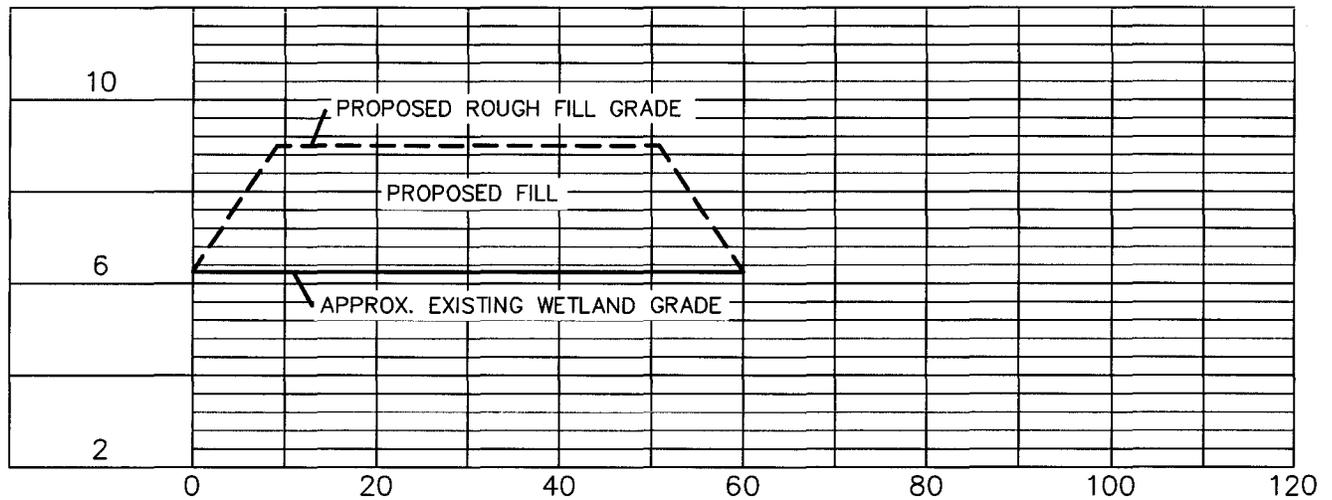
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 16 OF 86

DATE: 2/25/14



WETLAND K FILL SECTION
 (JURISDICTIONAL)
 TOTAL EST. VOLUME OF WETLAND FILL: 1301 CU. YD.



HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 4'

PURPOSE: PROJECT STRIKER
 WETLANDS FILL
 MARINE TERMINAL FACILITY
 COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
 SEE ATTACHED:
 PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 17
 WETLAND PLAN
 AND FILL SECTION
 SCALE AS SHOWN

PROJECT STRIKER
 BUSHY PARK INDUSTRIAL COMPLEX
 BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
 MARINE TERMINAL
 CHANNEL DREDGING

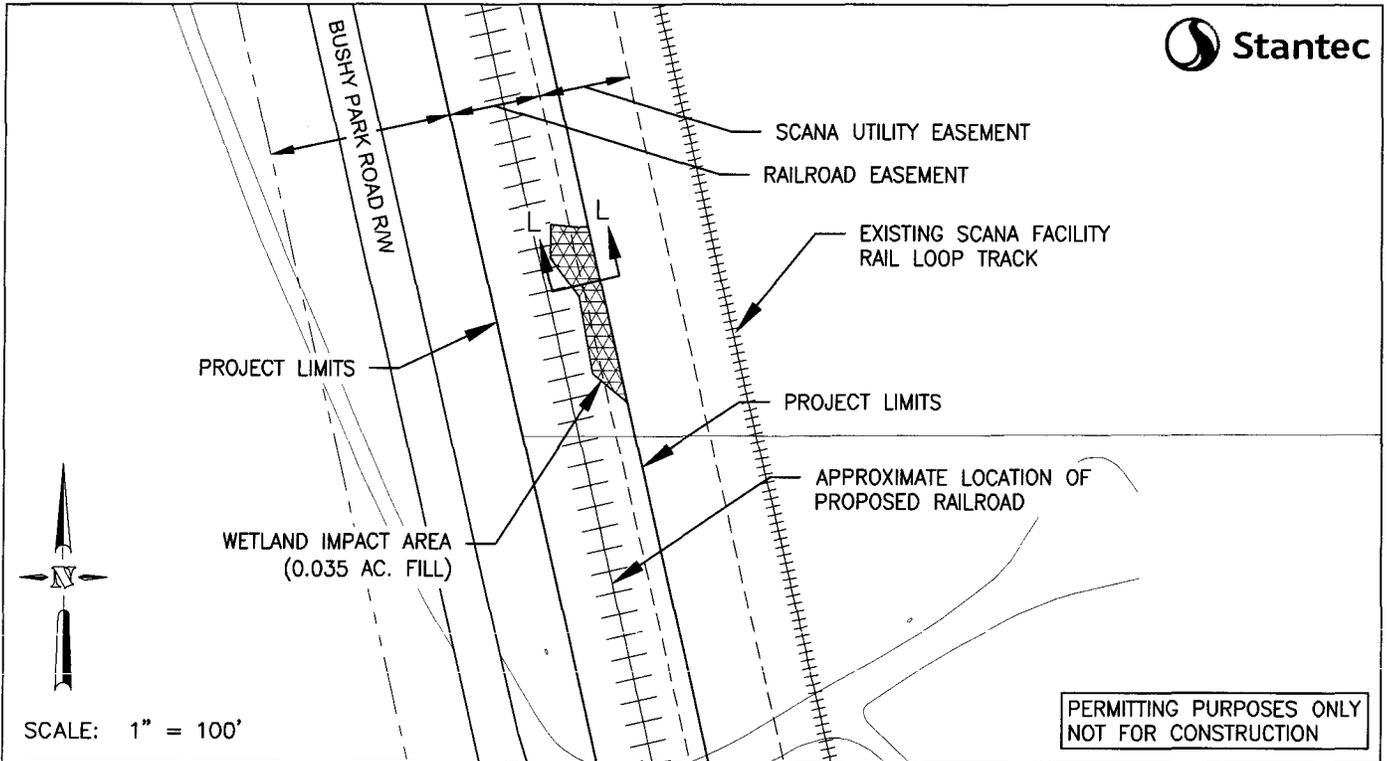
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
 SOUTH CAROLINA

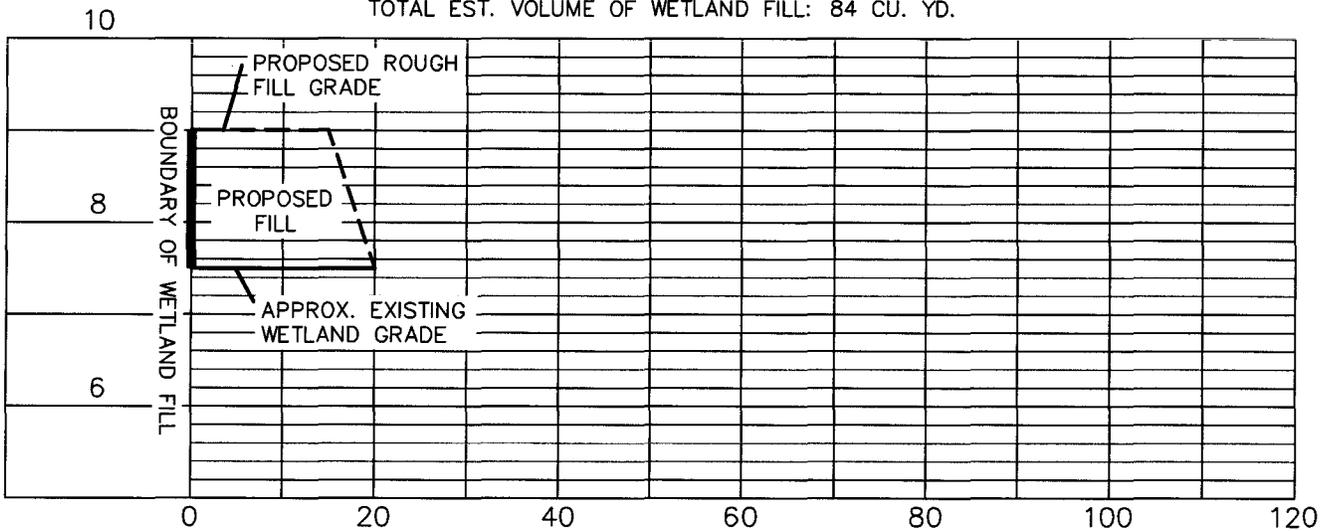
SHEET: 17 OF 86

DATE: 2/25/14



**WETLAND L FILL SECTION
(JURISDICTIONAL)**

TOTAL EST. VOLUME OF WETLAND FILL: 84 CU. YD.



HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 2'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 18

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

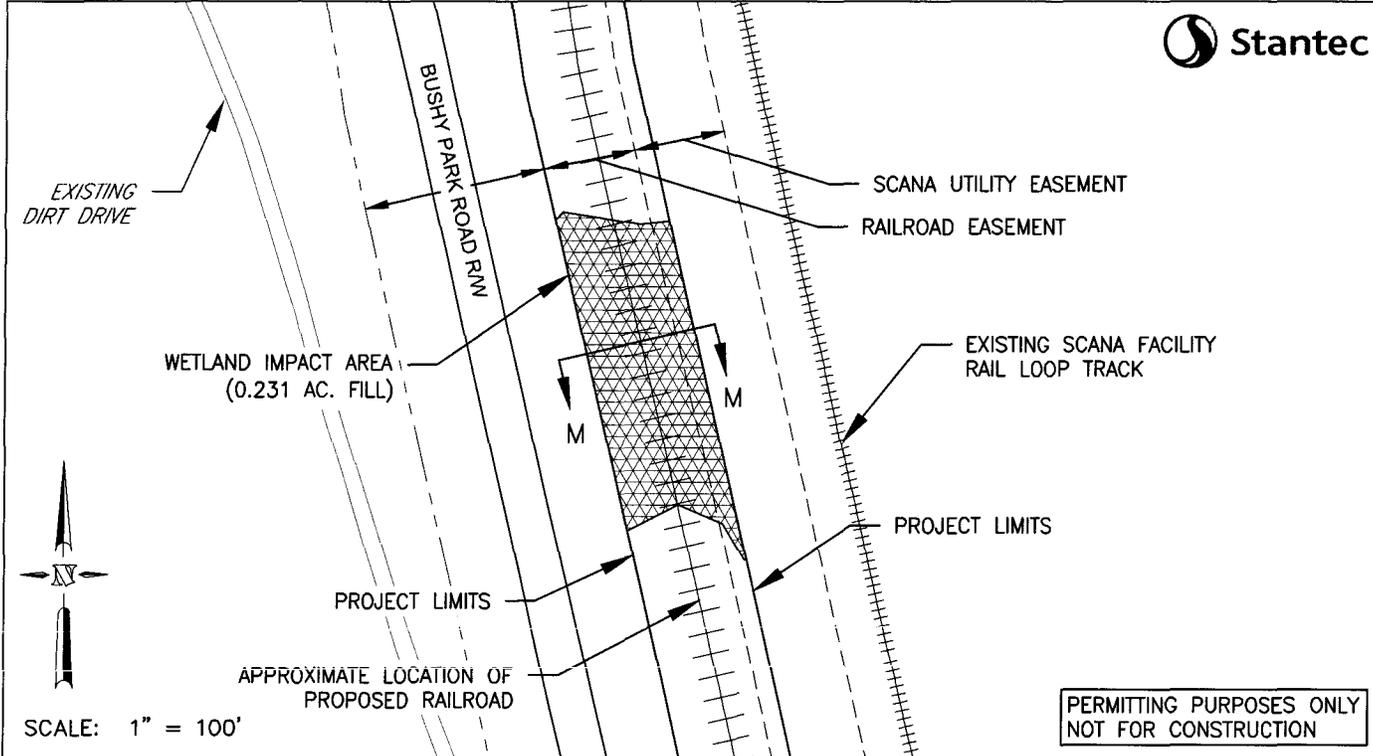
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

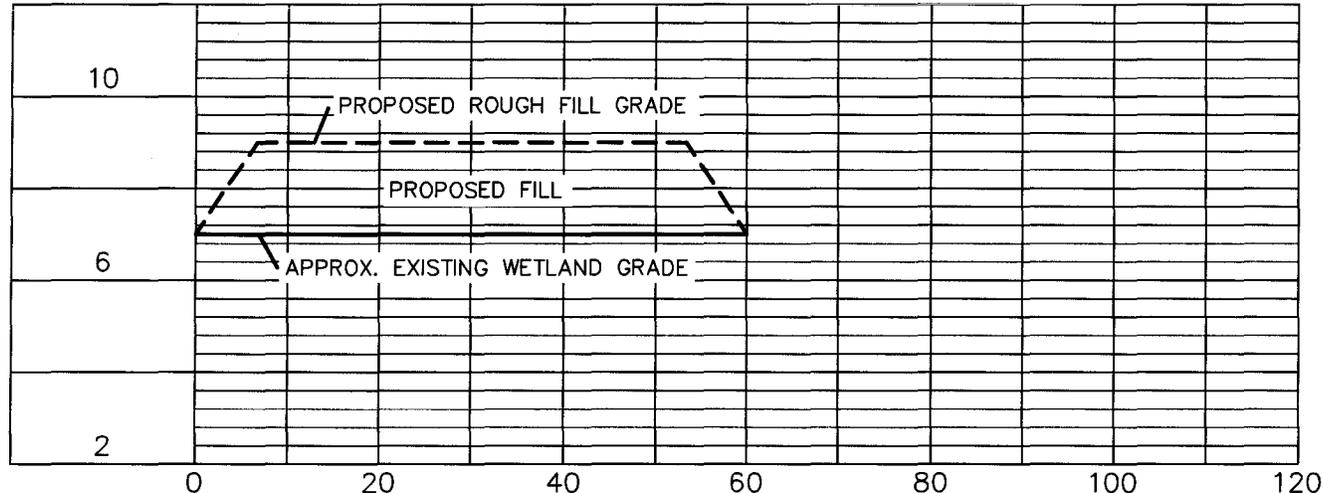
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 18 OF 86

DATE: 2/25/14

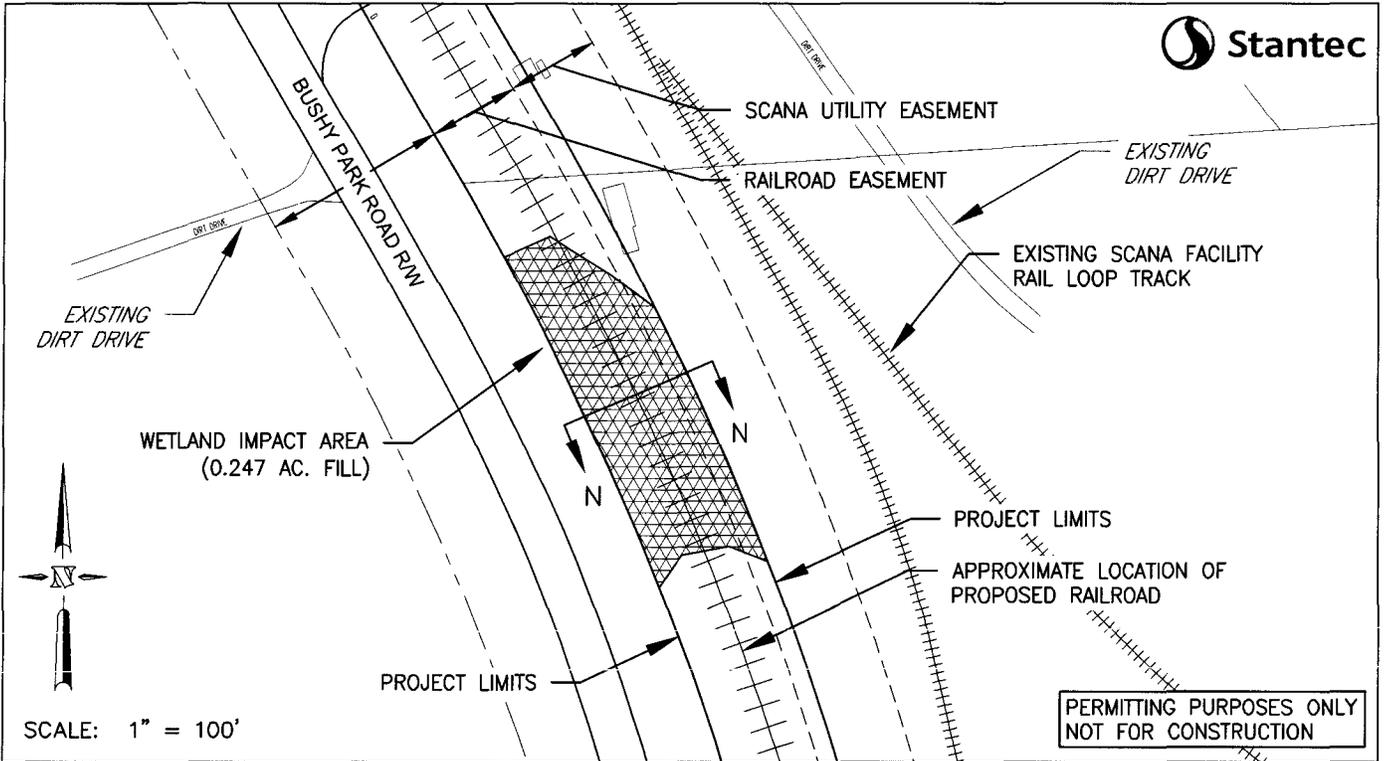


**WETLAND M FILL SECTION
(JURISDICTIONAL)**
TOTAL EST. VOLUME OF WETLAND FILL: 373 CU. YD.

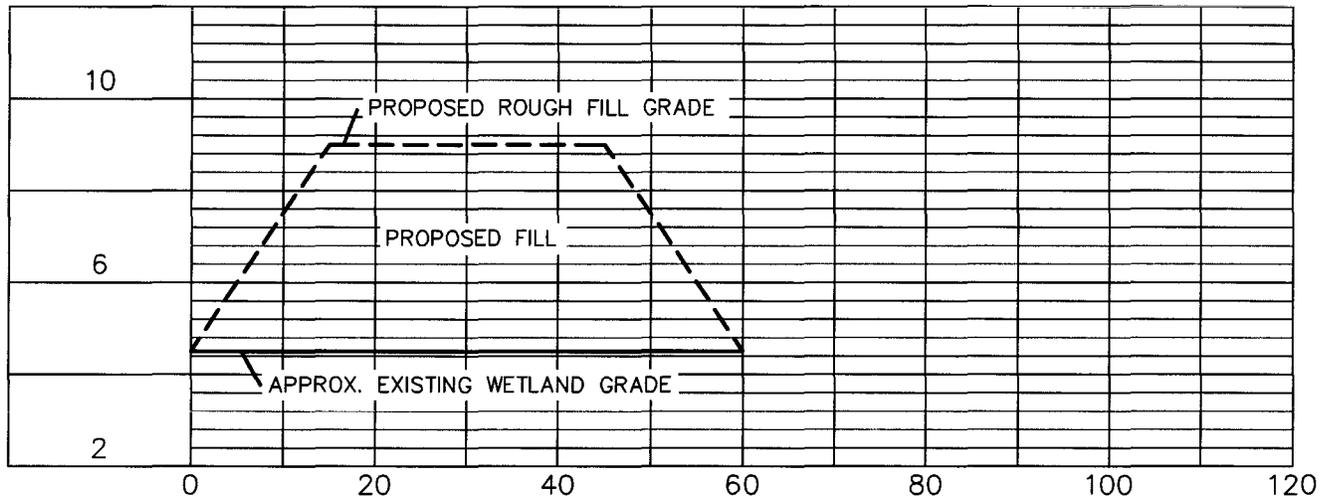


HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'

<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAD83, NAVD88</p>	<p>FIGURE 19 WETLAND PLAN AND FILL SECTION</p> <p>SCALE AS SHOWN</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 19 OF 86 DATE: 2/25/14</p>
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WETLAND N FILL SECTION
 (JURISDICTIONAL)
 TOTAL EST. VOLUME OF WETLAND FILL: 1793 CU. YD.



HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 4'

PURPOSE: PROJECT STRIKER
 WETLANDS FILL
 MARINE TERMINAL FACILITY
 COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
 SEE ATTACHED:
 PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 20
 WETLAND PLAN
 AND FILL SECTION
 SCALE AS SHOWN

PROJECT STRIKER
 BUSHY PARK INDUSTRIAL COMPLEX
 BERKELEY COUNTY, SOUTH CAROLINA

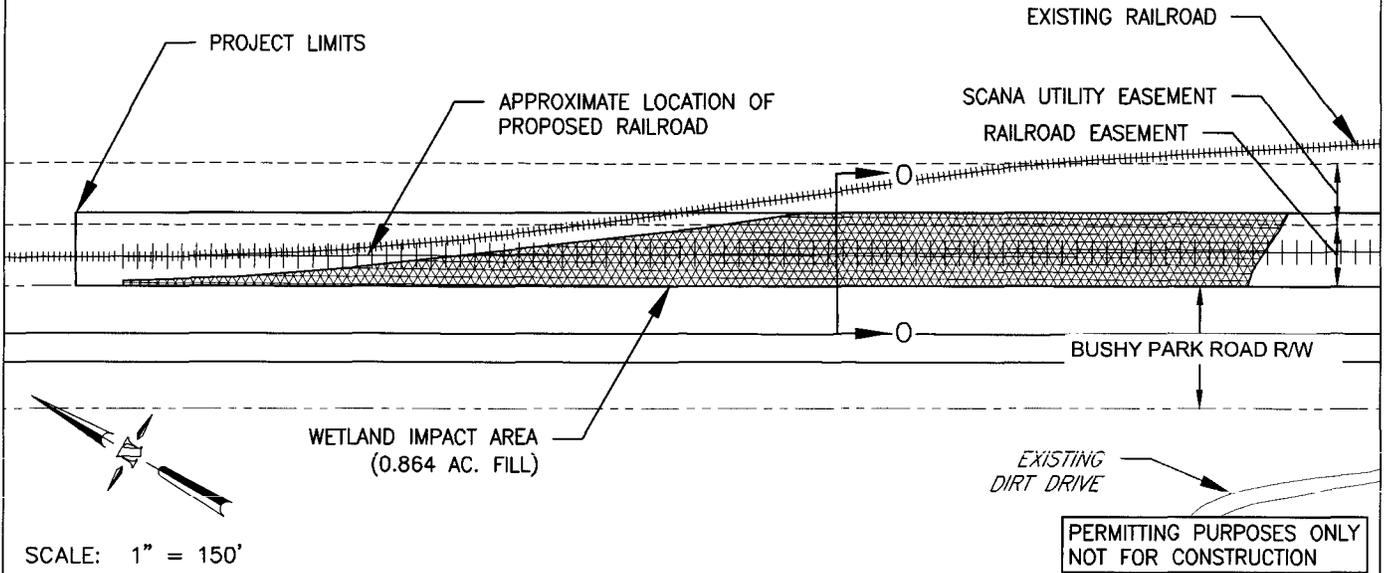
PROPOSED: WETLANDS FILL
 MARINE TERMINAL
 CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
 IN: COOPER RIVER

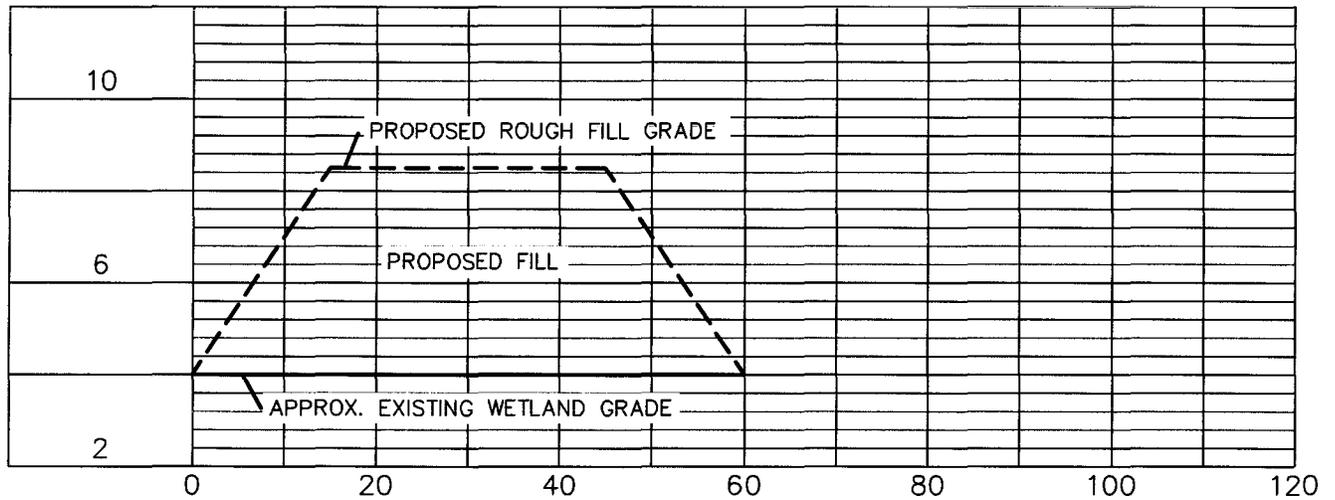
COUNTY OF: BERKELEY
 SOUTH CAROLINA

SHEET: 20 OF 86

DATE: 2/25/14



WETLAND O FILL SECTION
(JURISDICTIONAL)
TOTAL EST. VOLUME OF WETLAND FILL: 6273 CU. YD.



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 4'

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 21

WETLAND PLAN
AND FILL SECTION

SCALE AS SHOWN

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 21 OF 86

DATE: 2/25/14

WETLAND IMPACT SUMMARY

SITE AREA: 207.306 ACRES
 UPLANDS: 188.585 ACRES
 WETLANDS: 18.721 ACRES

JURISDICTIONAL FRESHWATER WETLAND FILL AREAS

IMPACT A: 0.106 ACRES
 IMPACT B: 1.078 ACRES
 IMPACT C: 3.134 ACRES
 IMPACT D: 0.412 ACRES
 IMPACT E: 2.681 ACRES
 IMPACT F: 0.788 ACRES
 IMPACT G: 0.059 ACRES
 IMPACT H: 0.054 ACRES
 IMPACT I: 0.012 ACRES
 IMPACT J: 0.457 ACRES
 IMPACT K: 0.322 ACRES
 IMPACT L: 0.035 ACRES
 IMPACT M: 0.231 ACRES
 IMPACT N: 0.247 ACRES
 IMPACT O: 0.864 ACRES
 TOTAL: 10.480 ACRES

WETLAND BUFFER TO BE PRESERVED

TOTAL: 2.911 ACRES

PRESERVED WETLAND UNDER RESTRICTIVE COVENANTS

TOTAL: 8.021 ACRES

PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

PURPOSE: PROJECT STRIKER
 WETLANDS FILL
 MARINE TERMINAL FACILITY
 COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
 SEE ATTACHED:
 PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, NAVD88

FIGURE 23
 WETLAND IMPACT SUMMARY

PROJECT STRIKER
 BUSHY PARK INDUSTRIAL COMPLEX
 BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
 MARINE TERMINAL
 CHANNEL DREDGING

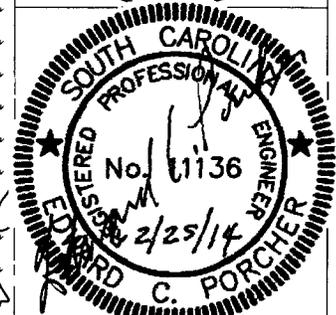
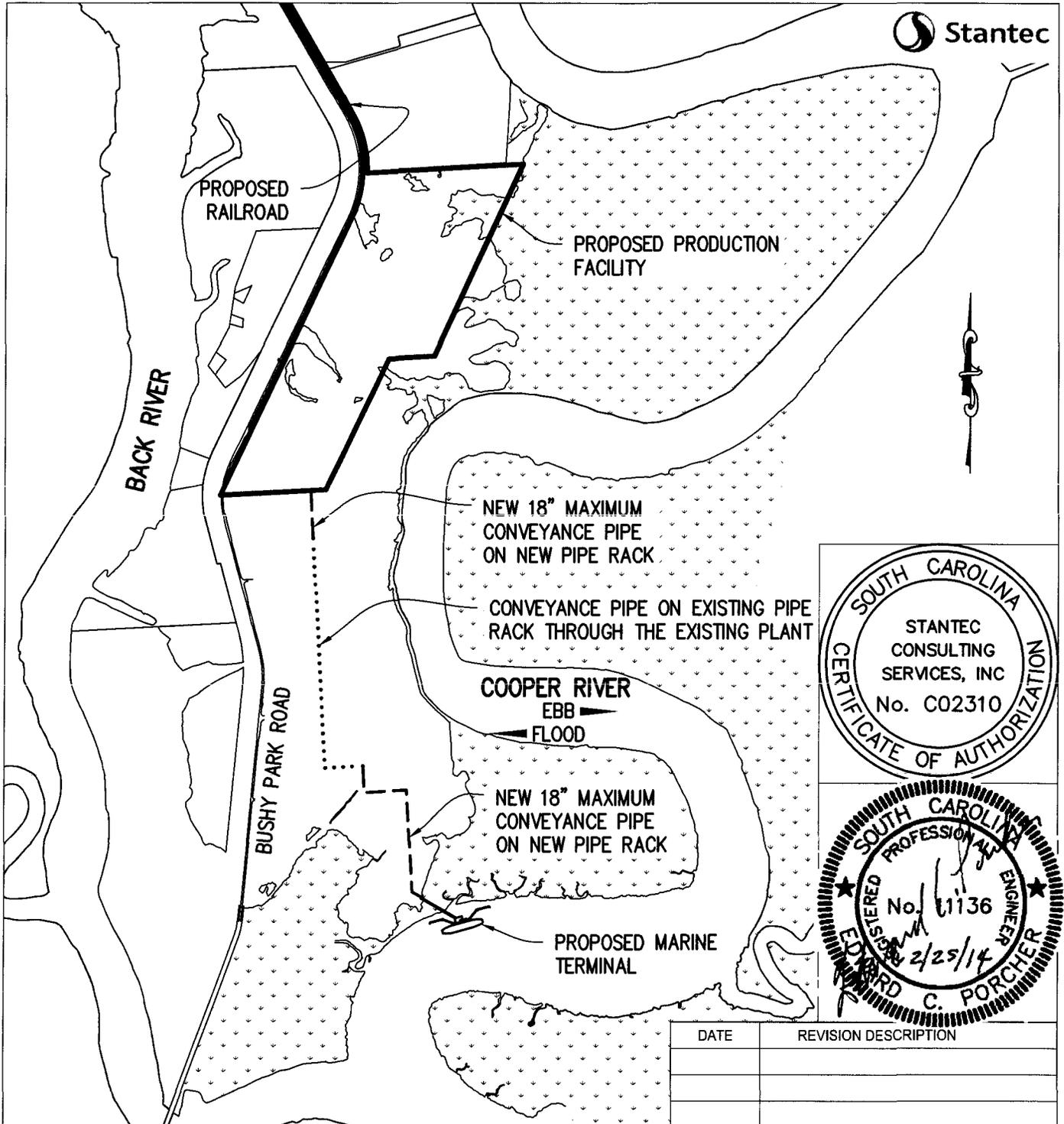
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 23 OF 86

DATE: 2/25/14



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
 WETLANDS FILL
 MARINE TERMINAL FACILITY
 COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
 SEE ATTACHED:
 PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88 WITH THE EXCEPTION OF
 SPOT ELEVATIONS WITHIN THE COOPER RIVER,
 WHICH ARE DEPTHS BELOW MLLW

FIGURE 24
 MARINE TERMINAL
 LOCATION PLAN

SCALE: 1:2000

PROJECT STRIKER
 BUSHY PARK INDUSTRIAL COMPLEX
 BERKELEY COUNTY, SOUTH CAROLINA

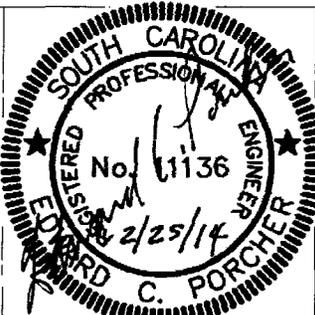
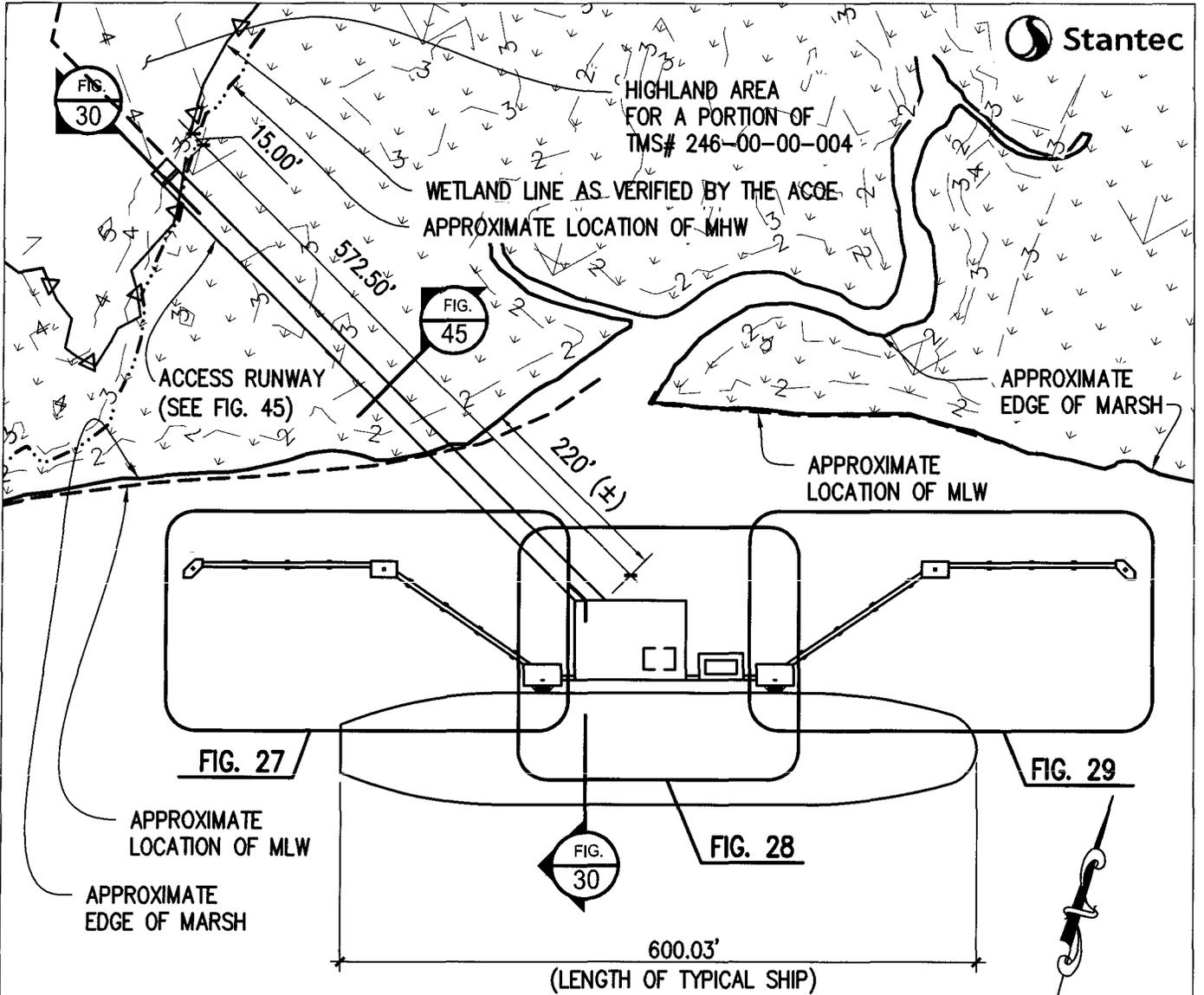
PROPOSED: WETLANDS FILL
 MARINE TERMINAL
 CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
 SOUTH CAROLINA

SHEET: 24 OF 86 DATE: 2/25/14



COOPER RIVER



THE TOTAL LENGTH OF ALL ALUMINUM CATWALKS IS 667 FEET.

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 26
MARINE TERMINAL
PARTIAL SITE PLAN

SCALE: 1:150

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

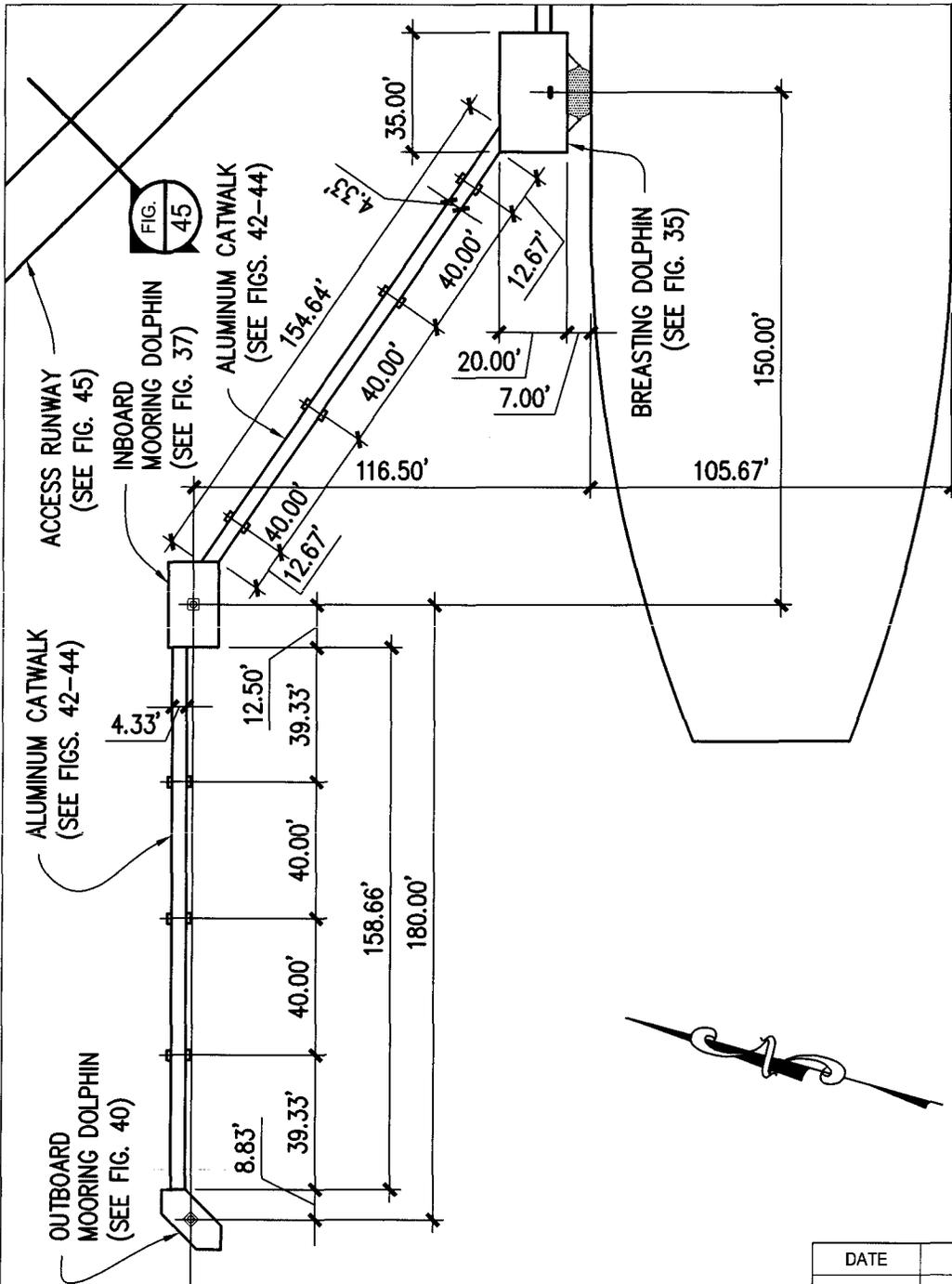
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

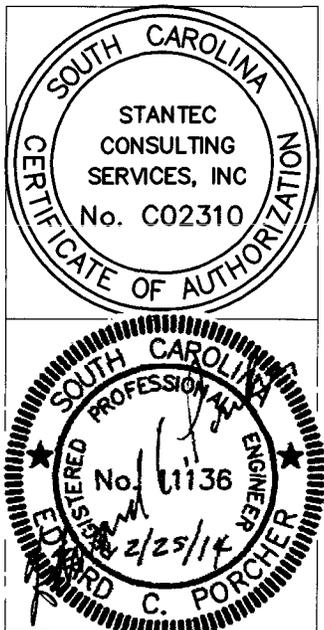
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 26 OF 86 DATE: 2/25/14

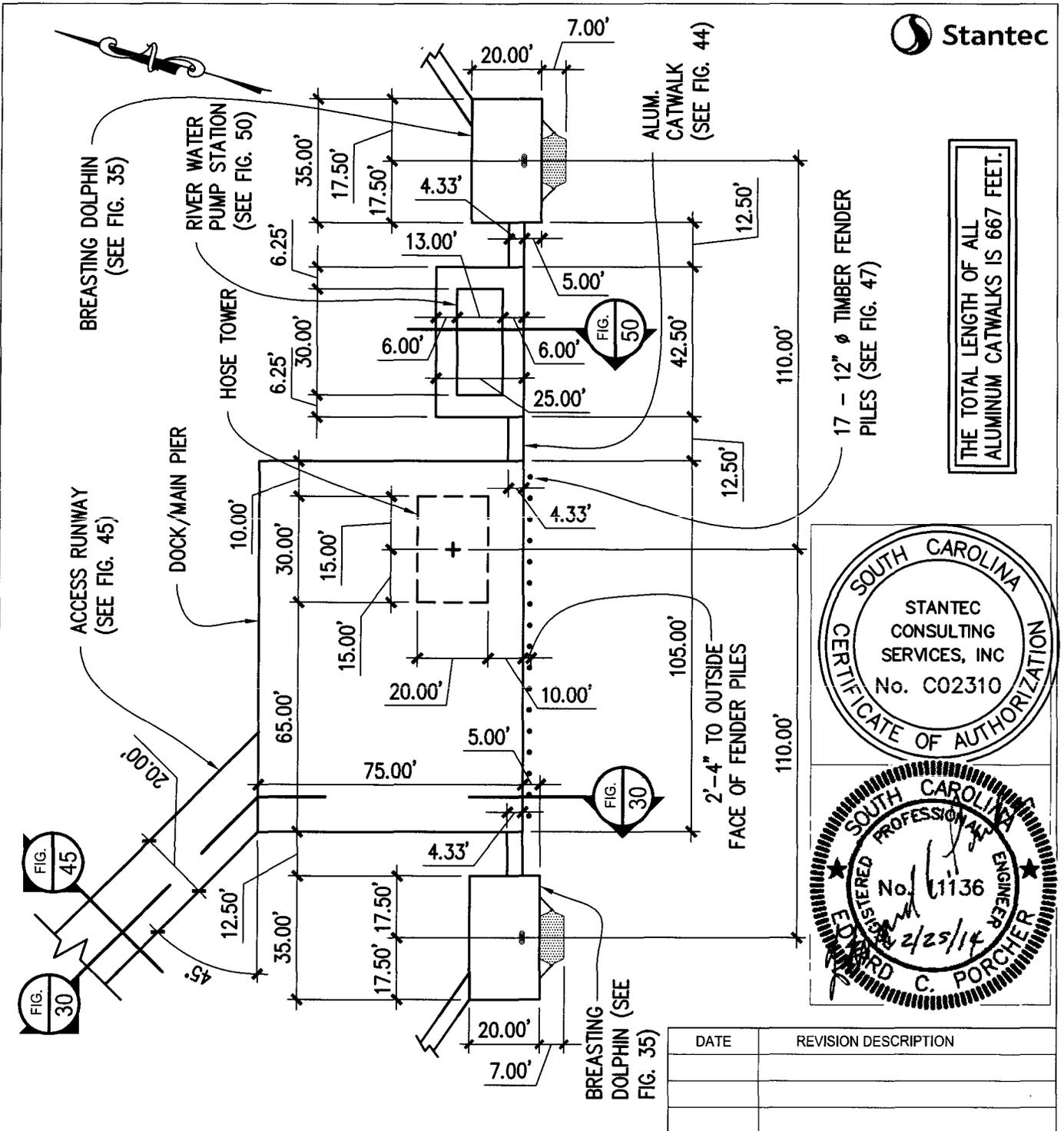


THE TOTAL LENGTH OF ALL ALUMINUM CATWALKS IS 667 FEET.



DATE	REVISION DESCRIPTION

<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAVD88</p>	<p>FIGURE 27</p> <p>MARINE TERMINAL WEST PARTIAL PLAN</p> <p>SCALE: 1:50</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 27 OF 86 DATE: 2/25/14</p>
---	--	--



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 28

MARINE TERMINAL
PARTIAL PLAN AT DOCK/MAIN PIER
AND RIVER WATER PUMP STATION

SCALE: 1:40

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

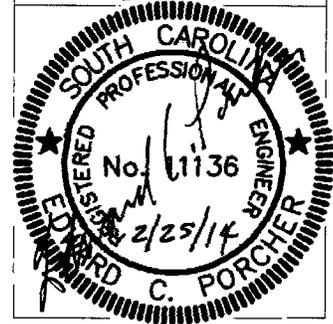
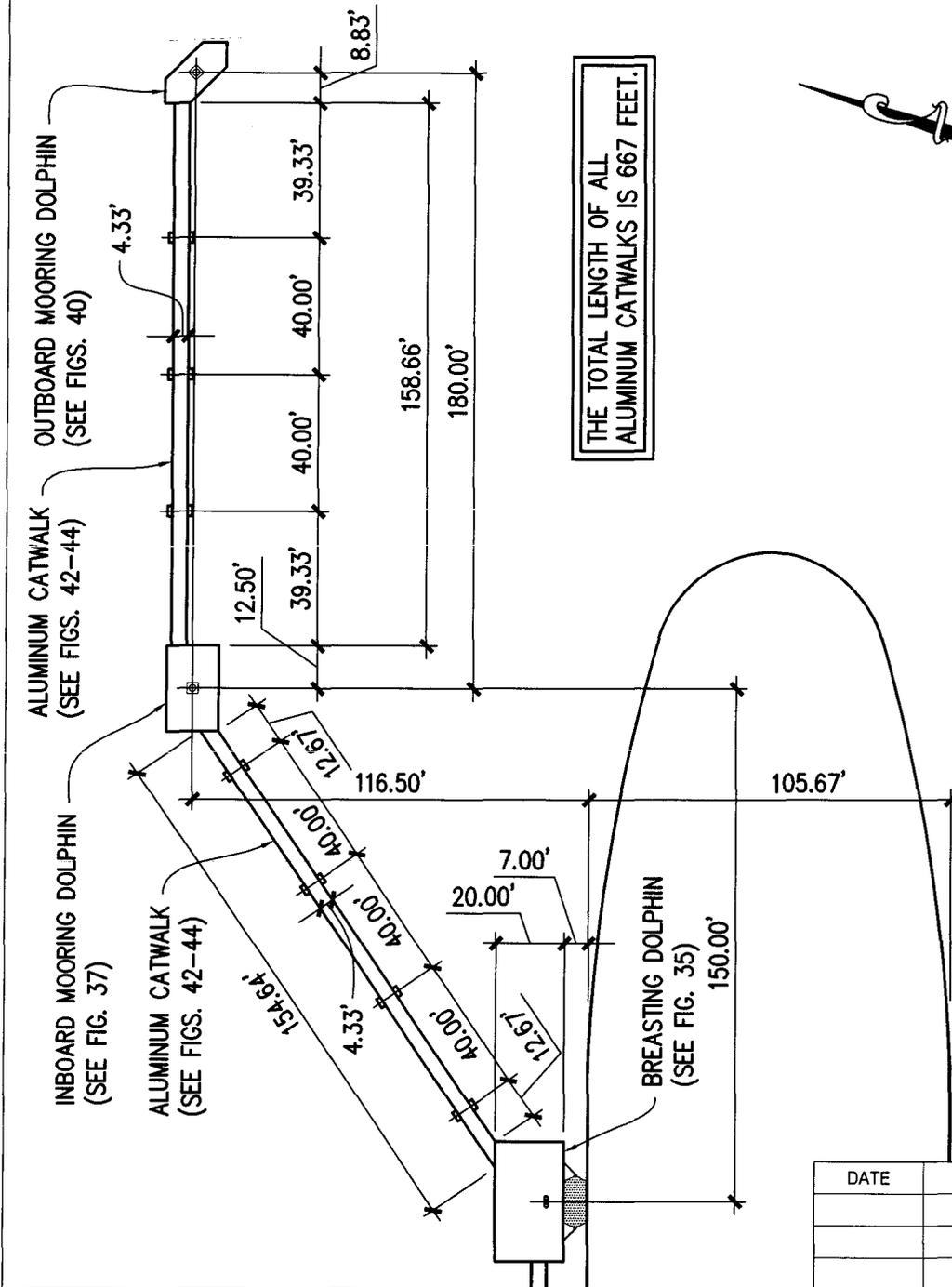
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 28 OF 86 DATE: 2/25/14



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 29
MARINE TERMINAL
EAST PARTIAL PLAN

SCALE: 1:50

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

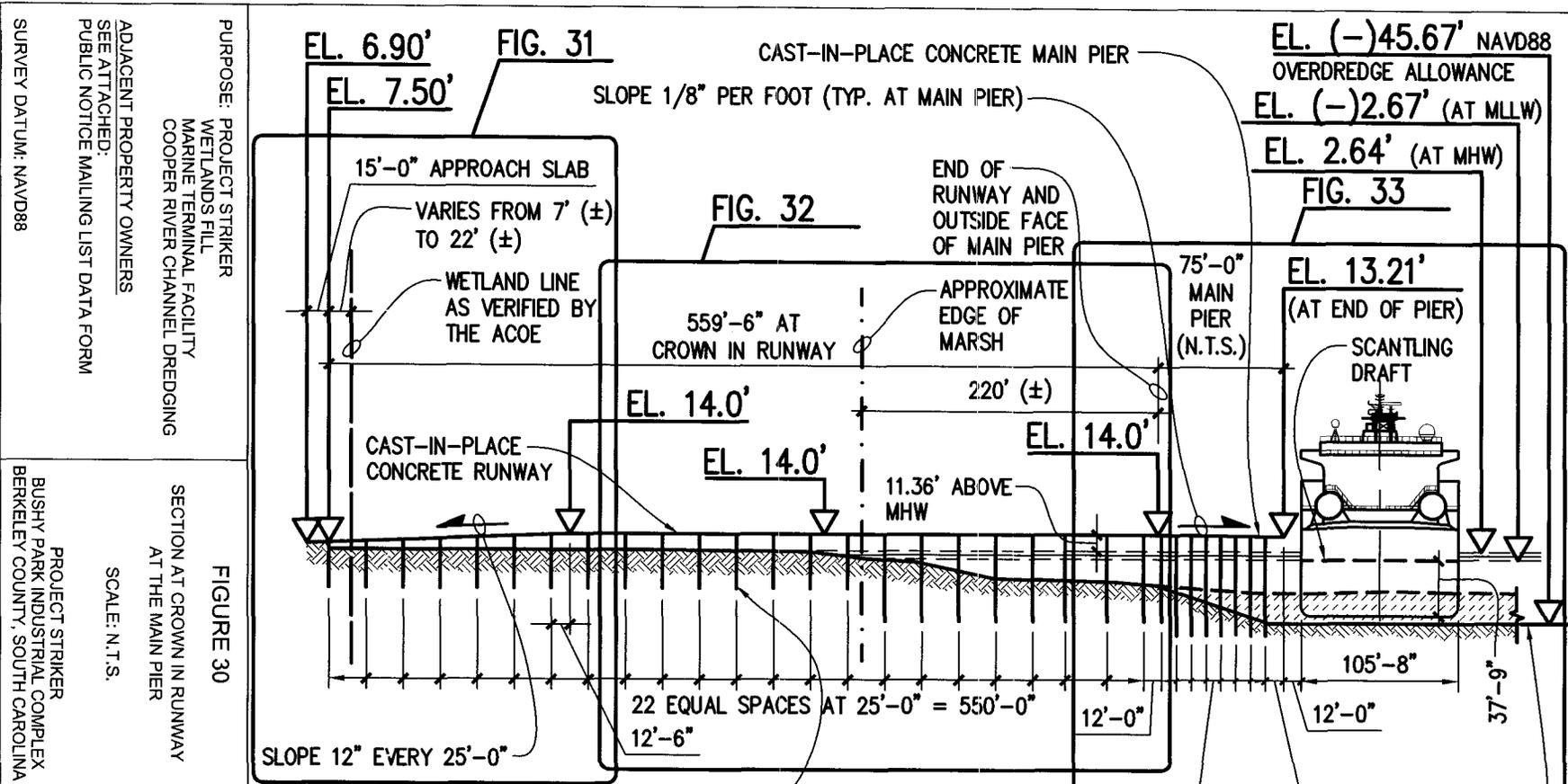
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 29 OF 86 DATE: 2/25/14



PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

SECTION AT CROWN IN RUNWAY AT THE MAIN PIER

SCALE: N.T.S.

PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY SOUTH CAROLINA

SHEET: 30 of 86

DATE: 2/25/14

20" x 20" PRECAST CONCRETE PILES WITH HP 10 x 57 STEEL STINGERS (TYP.)

DATE	REVISION DESCRIPTION

SOUTH CAROLINA

STANTEC CONSULTING SERVICES, INC

No. C02310

CERTIFICATE OF AUTHORIZATION

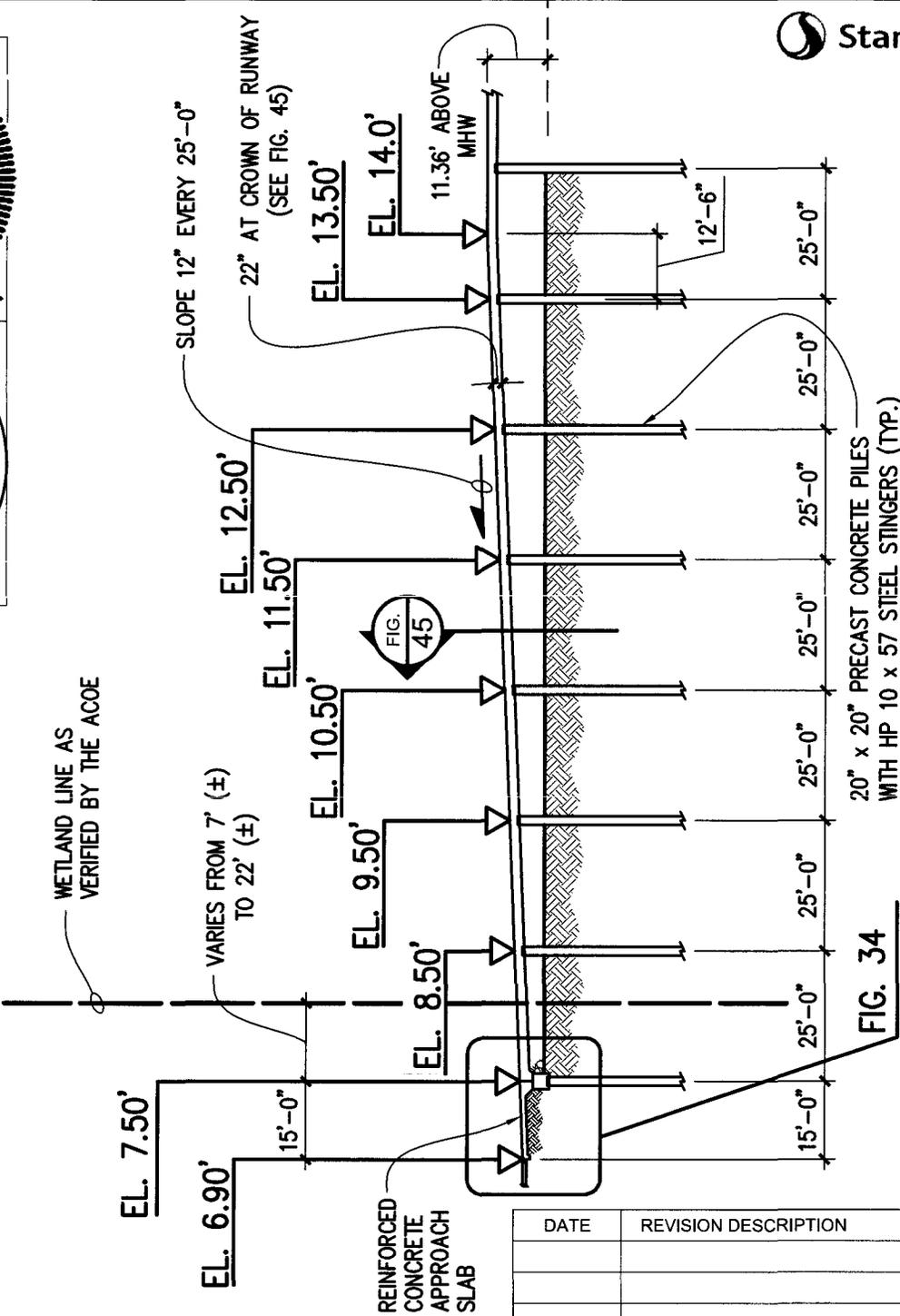
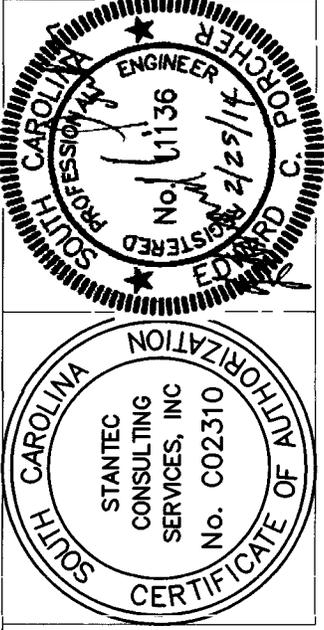
SOUTH CAROLINA PROFESSIONAL ENGINEER

No. 61136

2/25/14

EDWARD C. PORCHER





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 31

SECTION ALONG CROWN IN RUNWAY AT SHORELINE

SCALE: 1/32 = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

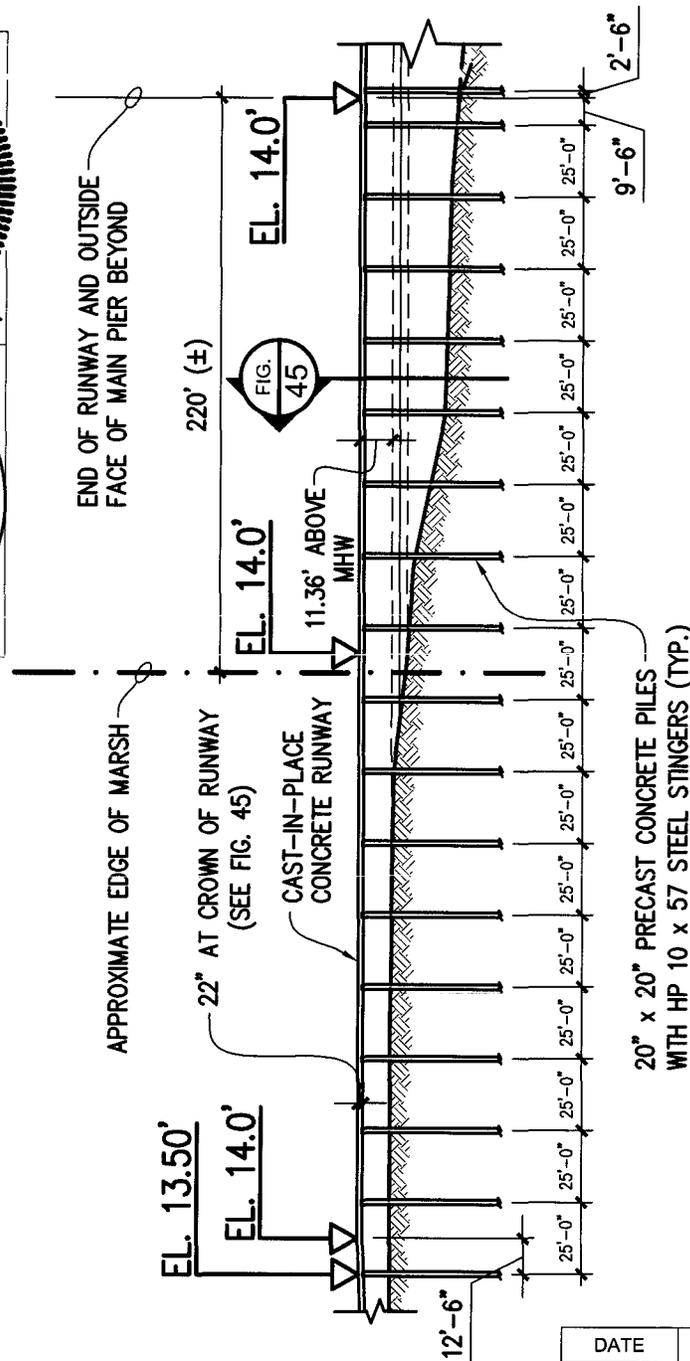
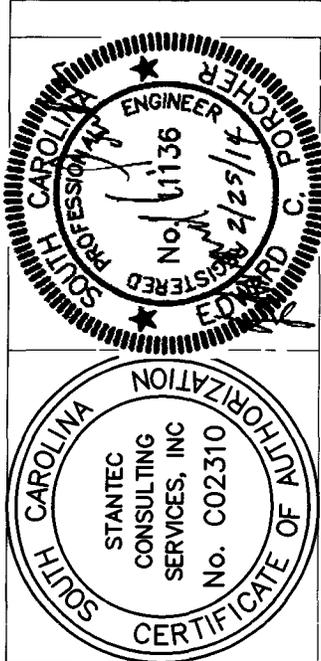
PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY SOUTH CAROLINA

SHEET: 31 of 86 DATE: 2/25/14



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 32
SECTION ALONG CROWN IN RUNWAY
AT THE MAIN PIER

SCALE: 1/64 = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 32 of 86

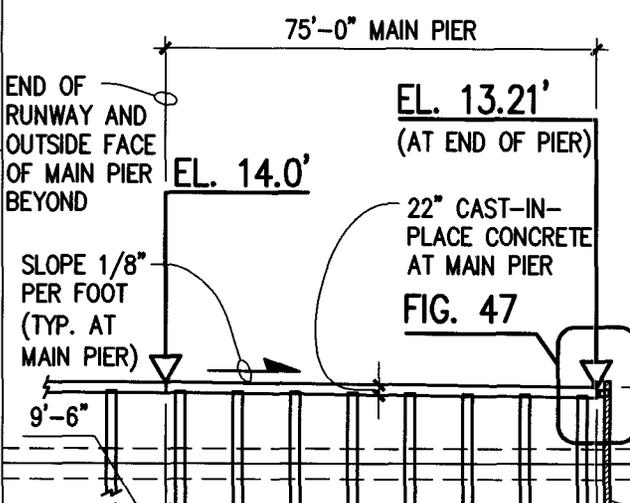
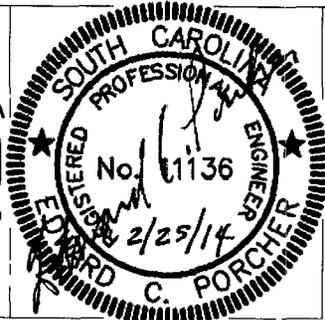
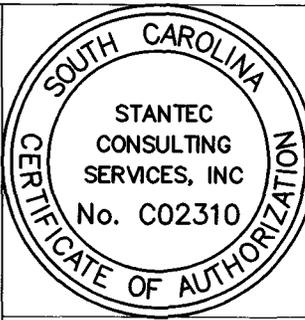
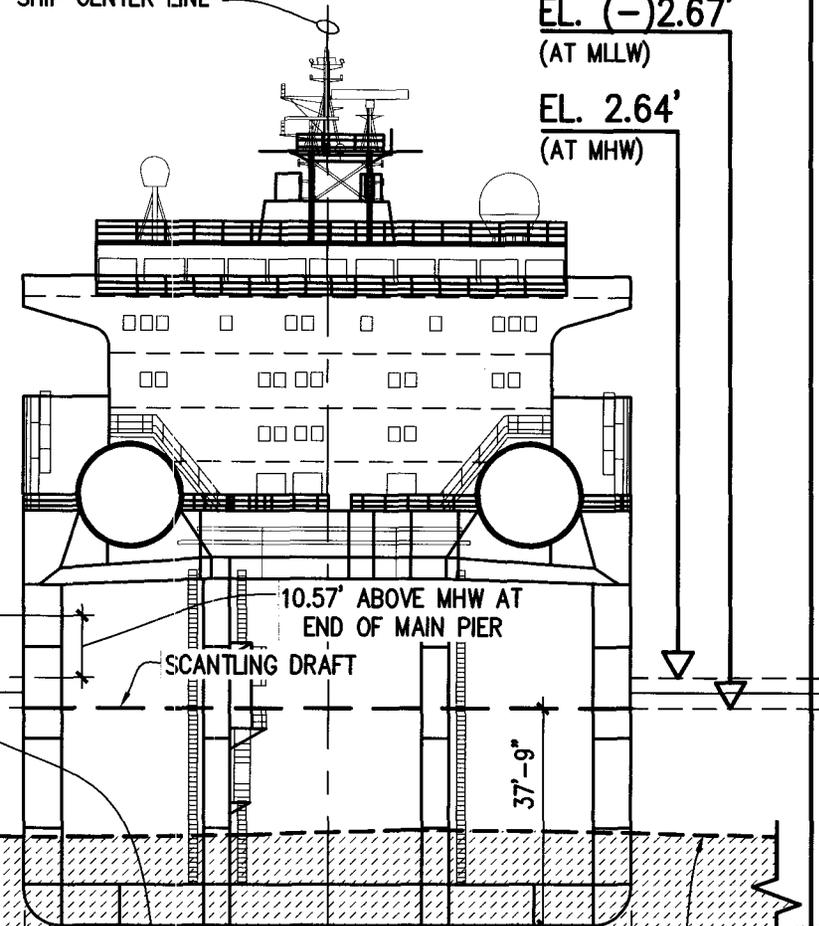
DATE: 2/25/14

EL. (-)45.67' NAVD88
OVERDREDGE ALLOWANCE

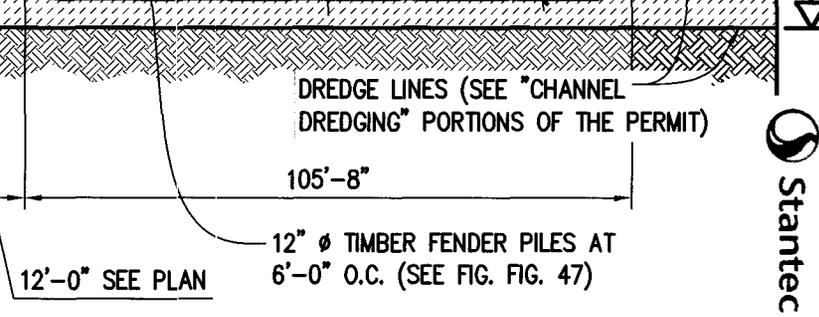
EL. (-)2.67'
(AT MLLW)

EL. 2.64'
(AT MHW)

SHIP CENTER LINE



DATE	REVISION DESCRIPTION



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 33
SECTION AT MAIN PIER

SCALE: 1/32" = 1'-0"

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

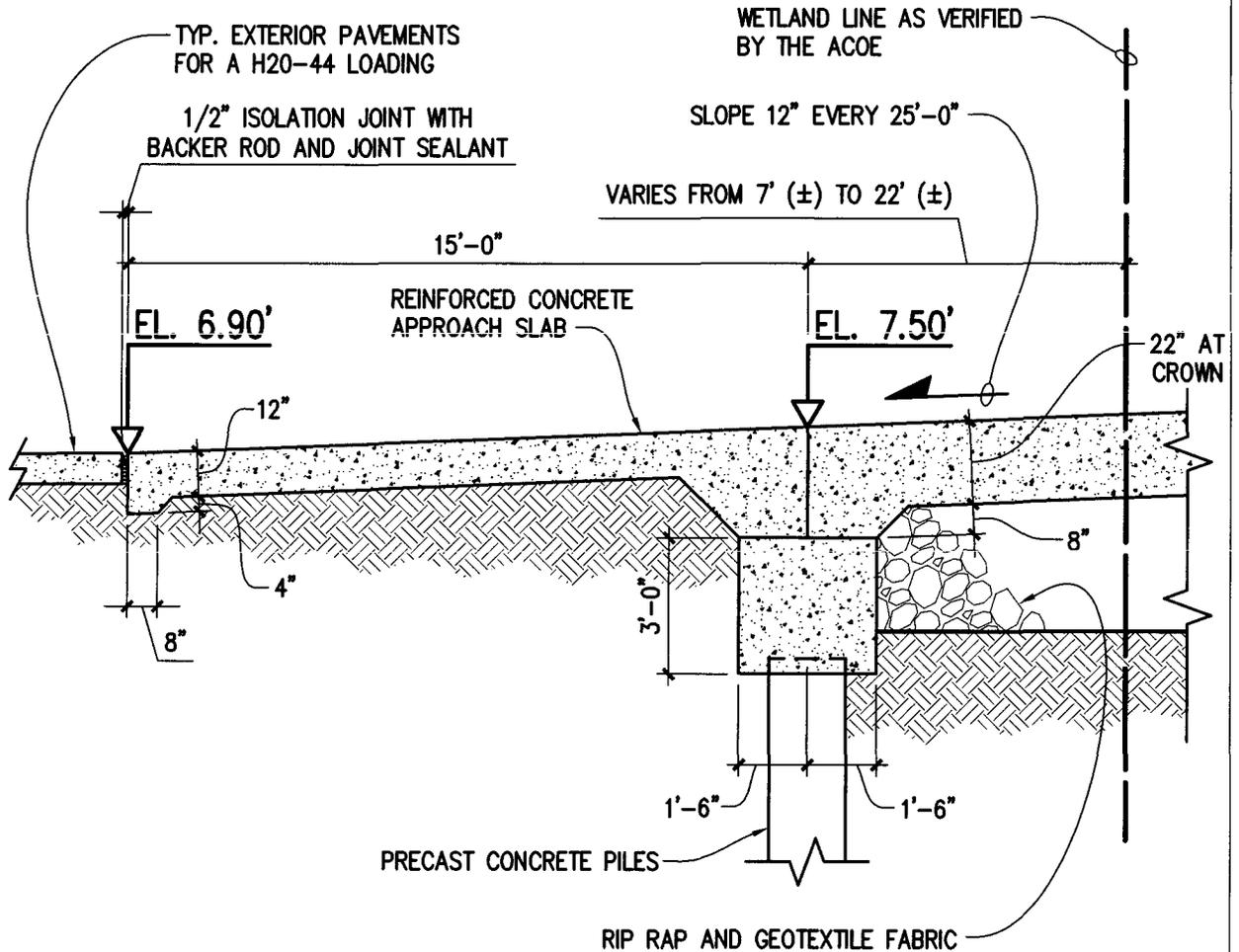
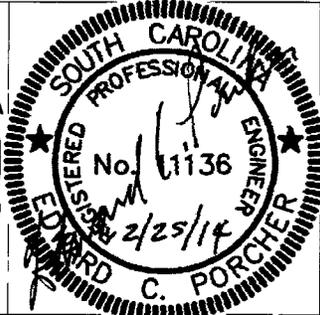
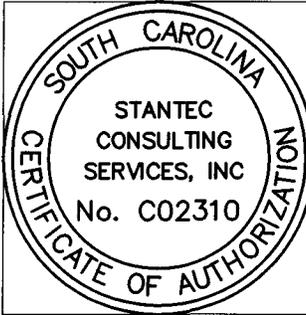
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

SHEET: 33 of 86
DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 34
SECTION AT APPROACH SLAB

SCALE: 1/4" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

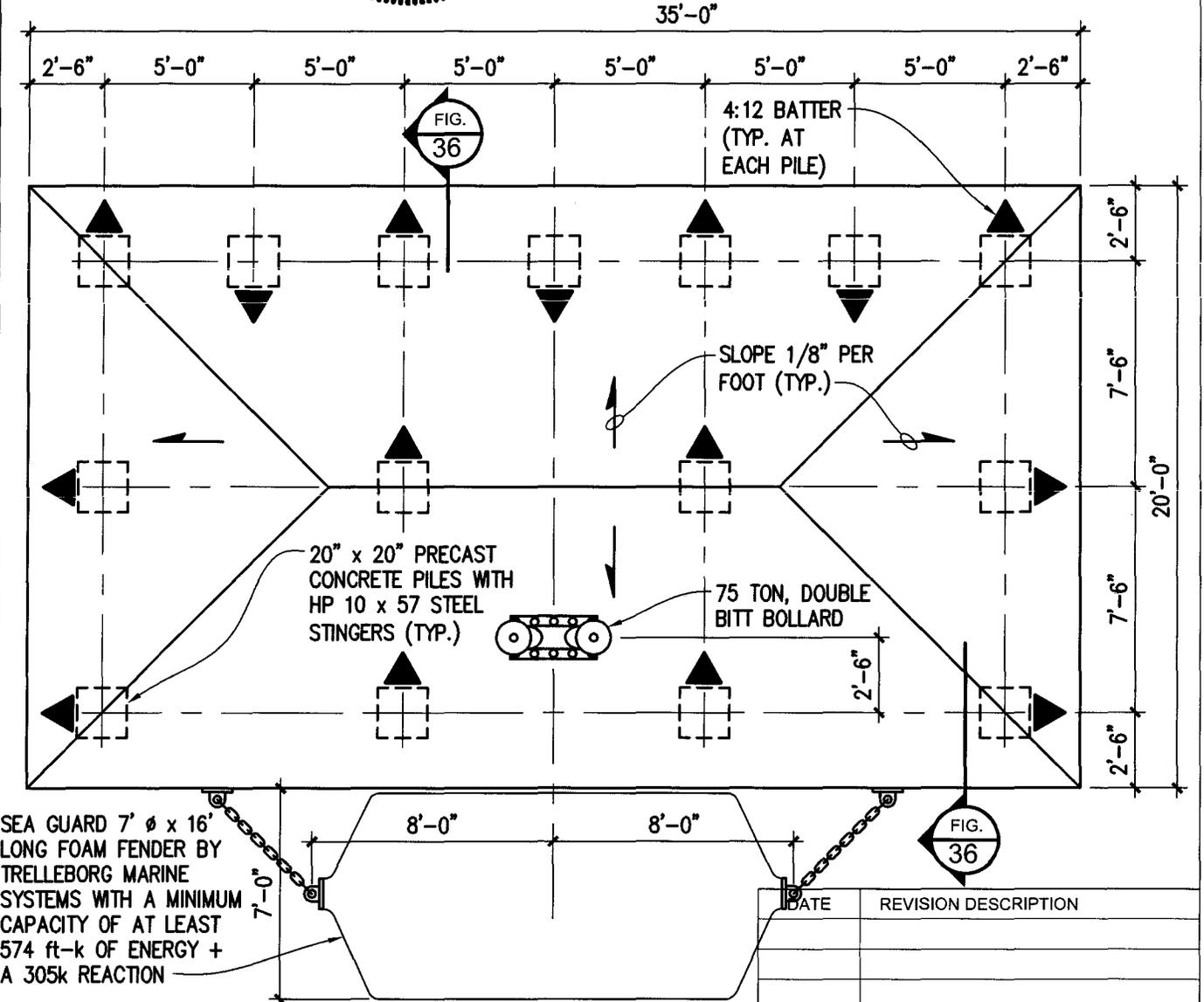
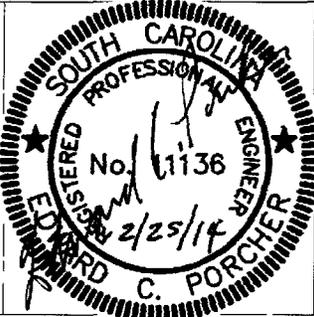
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 34 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 35

PARTIAL PLAN AT TYPICAL
BREASTING DOLPHIN

SCALE: 3/16" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

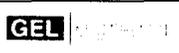
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

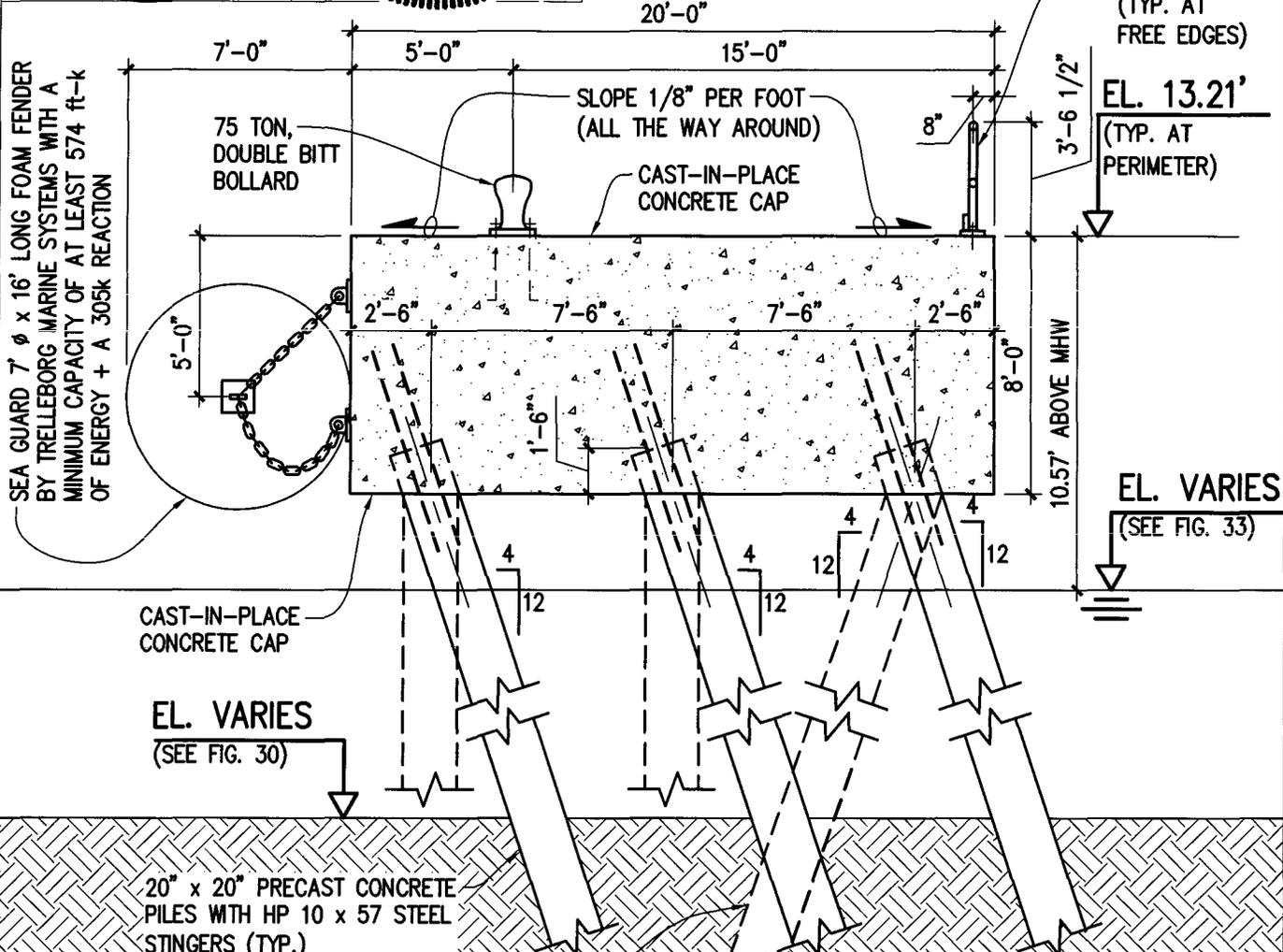
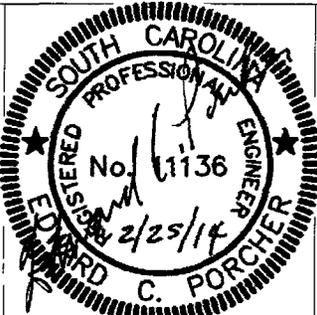
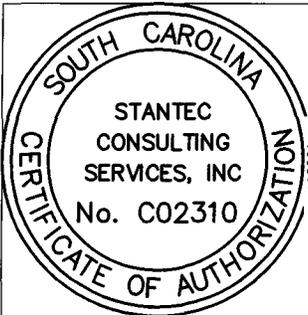
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 35 of 86 DATE: 2/25/14





CAST-IN-PLACE CONCRETE CAP

EL. VARIES
(SEE FIG. 30)

20" x 20" PRECAST CONCRETE PILES WITH HP 10 x 57 STEEL STINGERS (TYP.)

REVERSE BATTERED PILES BEYOND (SEE PLAN)

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 36

TRANSVERSE SECTION AT TYPICAL BREASTING DOLPHIN

SCALE: 3/16" = 1'-0"

PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING

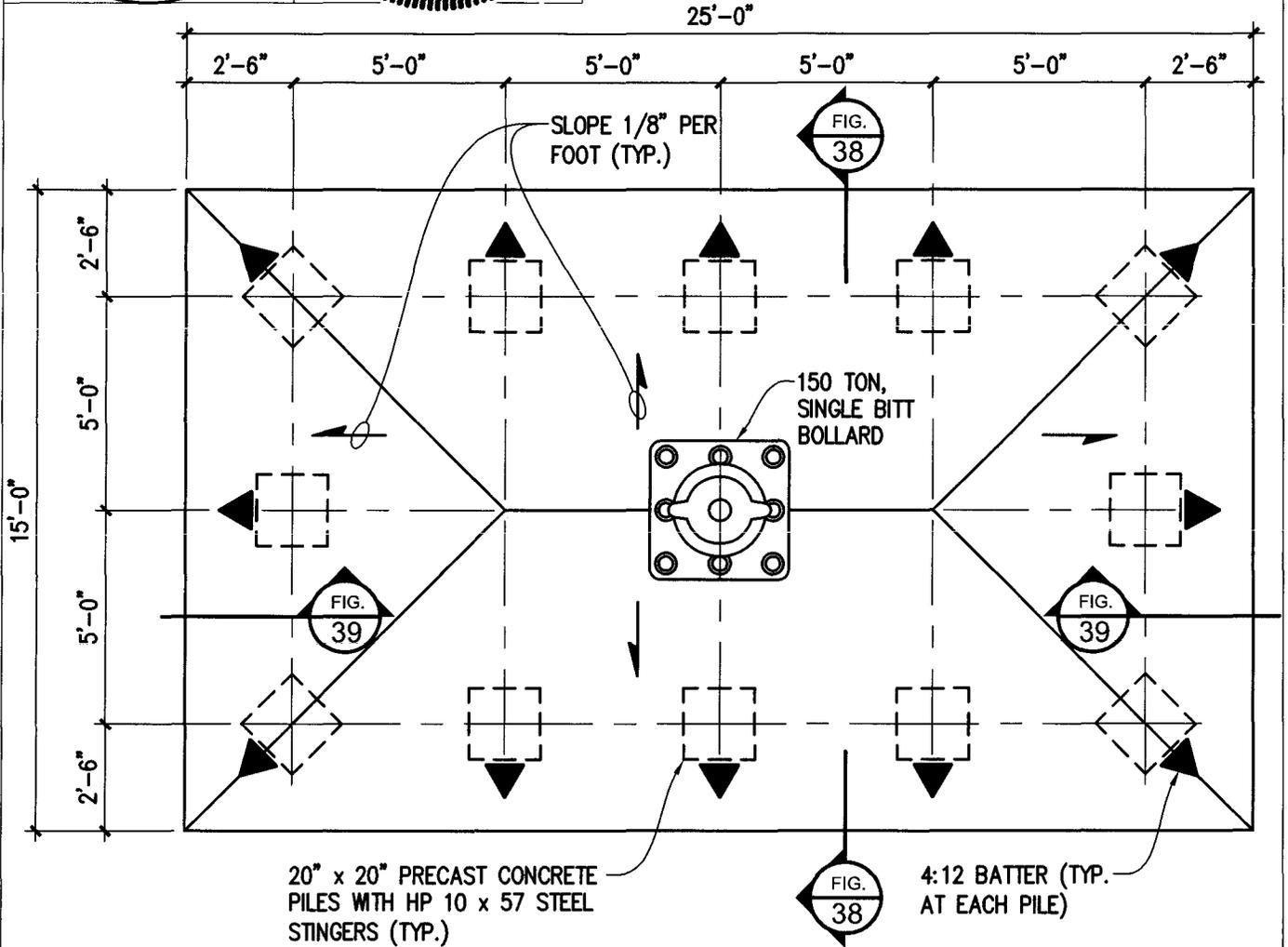
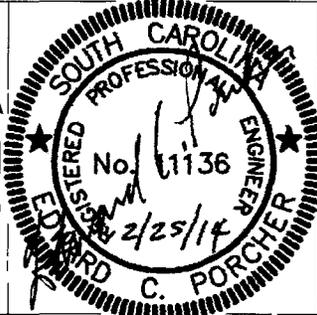
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY SOUTH CAROLINA

SHEET: 36 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 37

PARTIAL PLAN AT TYPICAL
INBOARD MOORING DOLPHIN

SCALE: 1/4" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

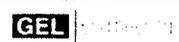
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

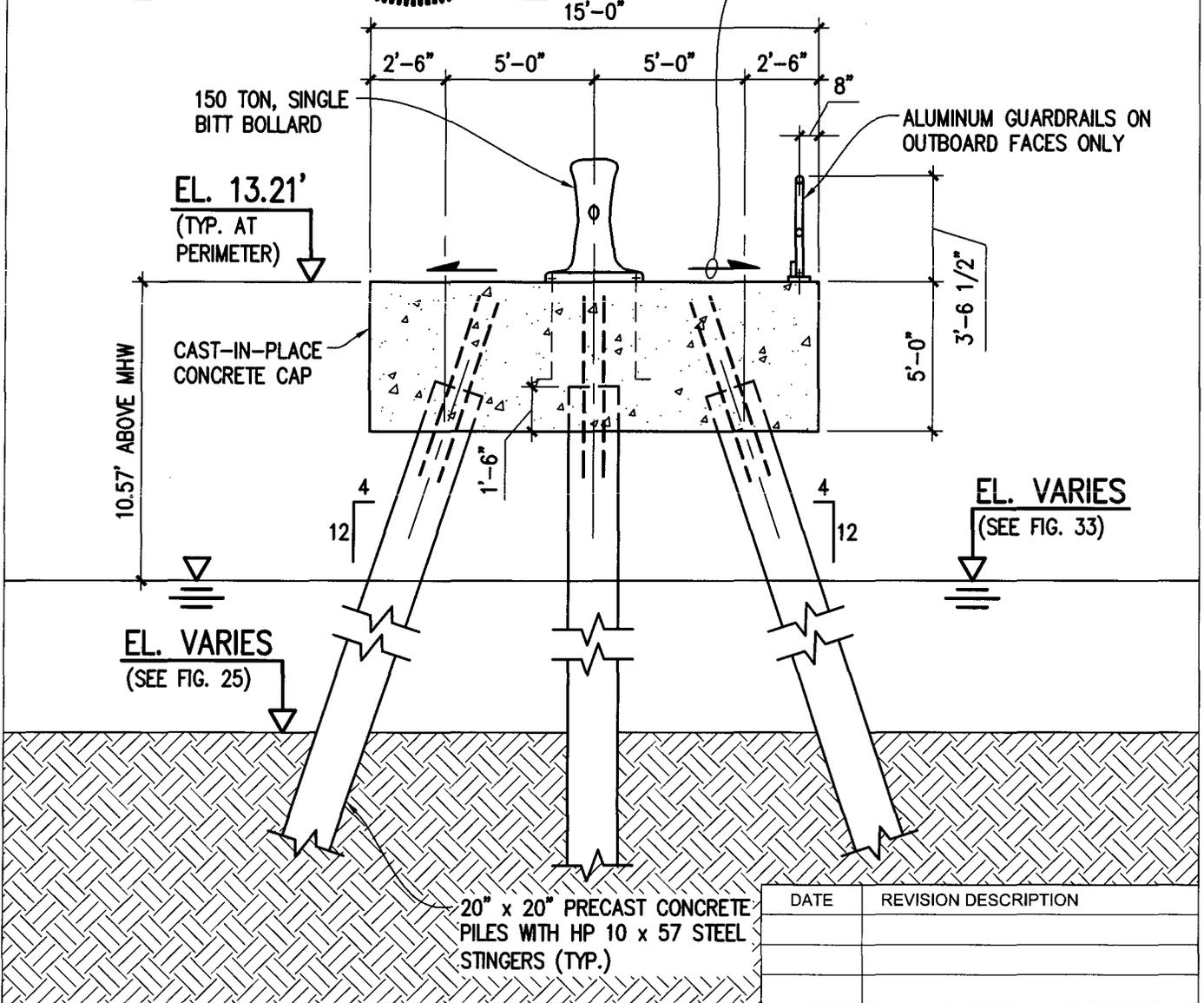
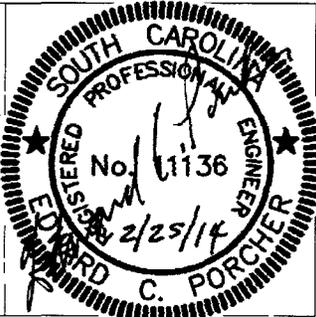
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 37 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 38

TRANSVERSE SECTION AT TYPICAL
INBOARD MOORING DOLPHIN

SCALE: 3/16" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

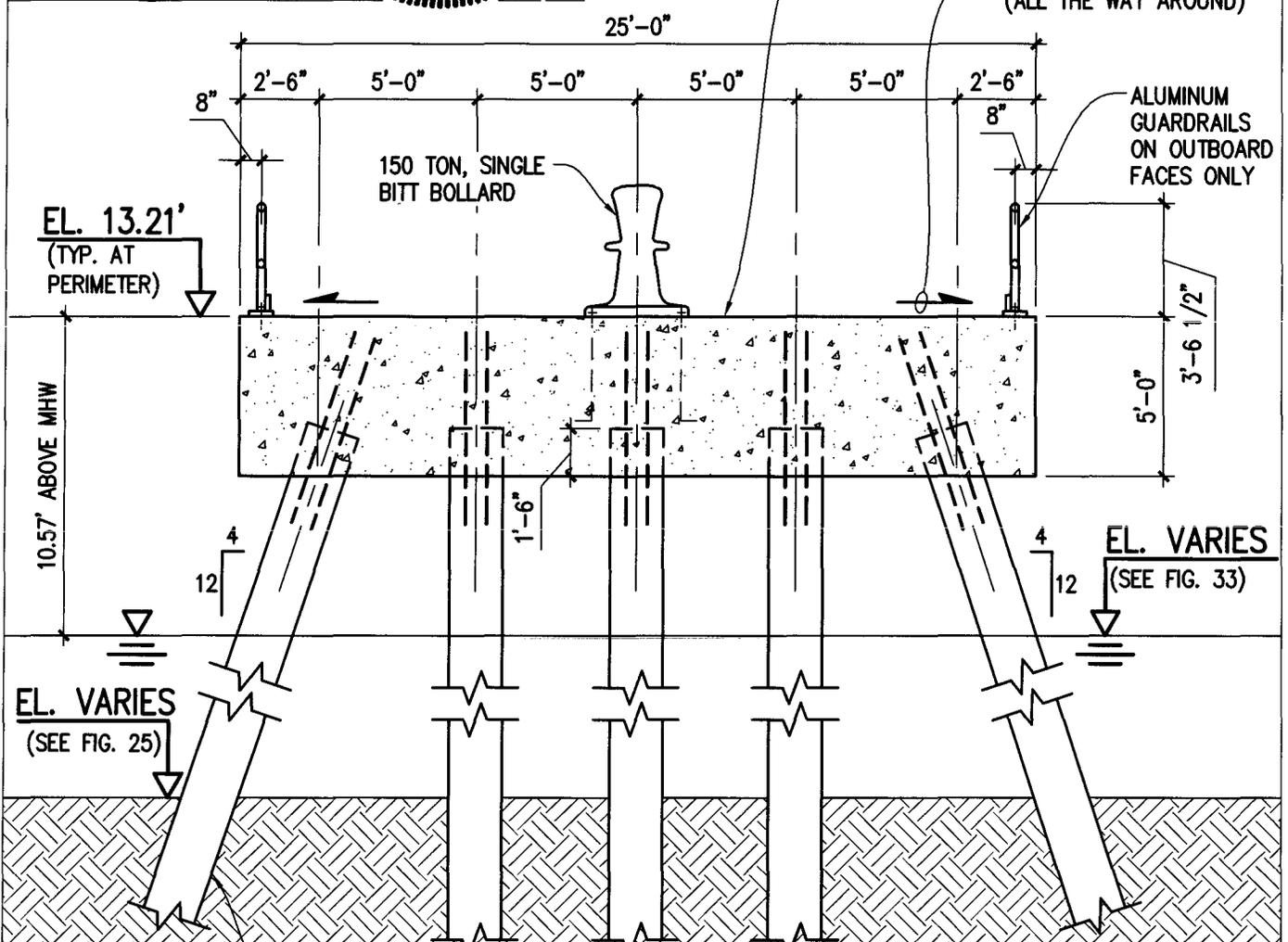
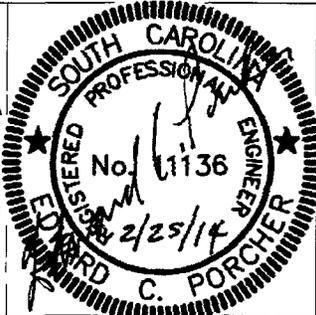
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 38 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 39
LONGITUDINAL SECTION AT TYPICAL
INBOARD MOORING DOLPHIN

SCALE: 3/16" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

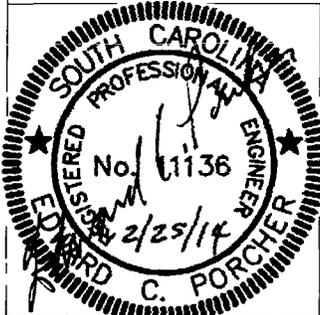
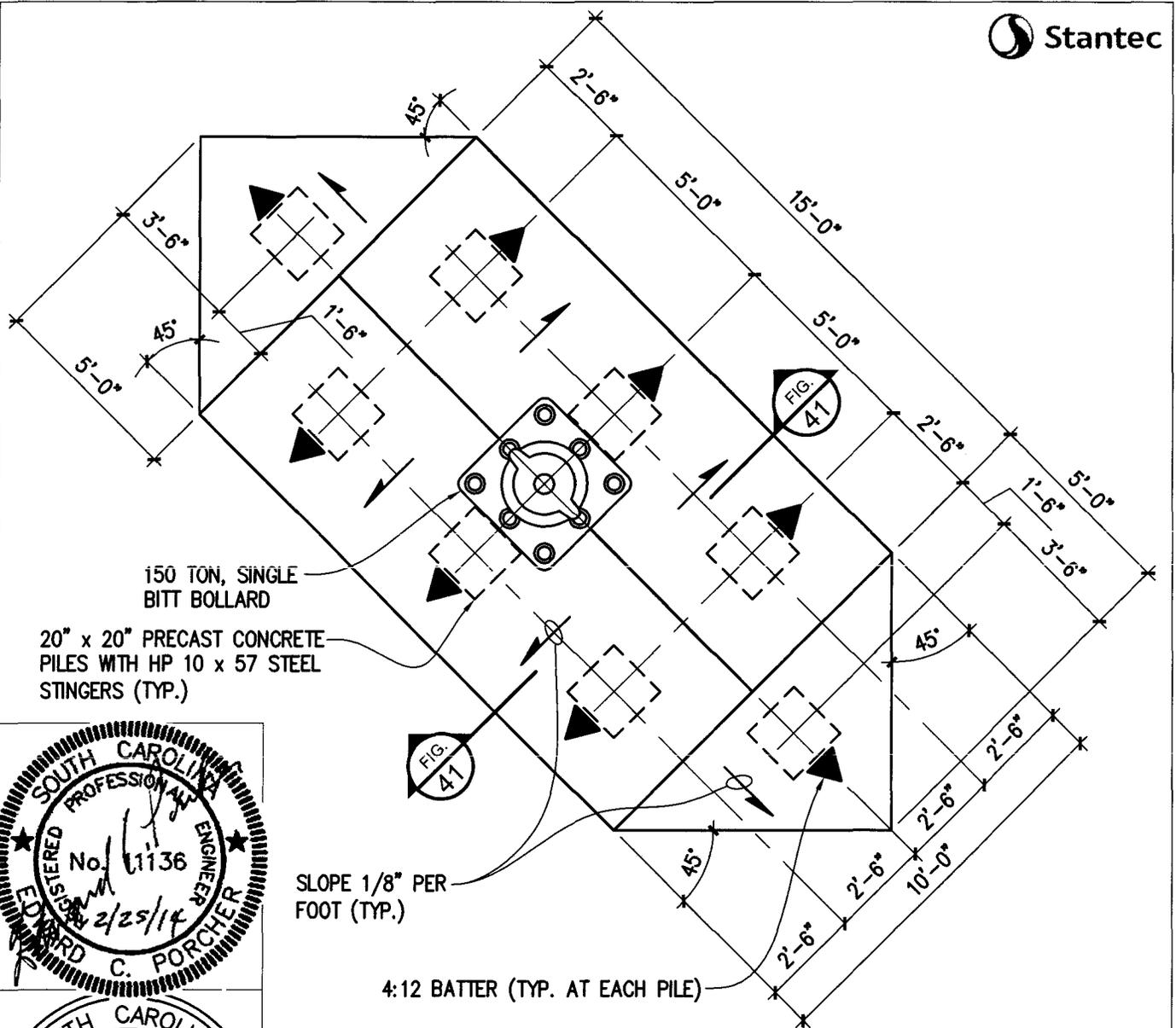
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 39 of 86 DATE: 2/25/14





SLOPE 1/8" PER FOOT (TYP.)

4:12 BATTER (TYP. AT EACH PILE)

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 40

PARTIAL PLAN AT TYPICAL
OUTBOARD MOORING DOLPHIN

SCALE: 1/4" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

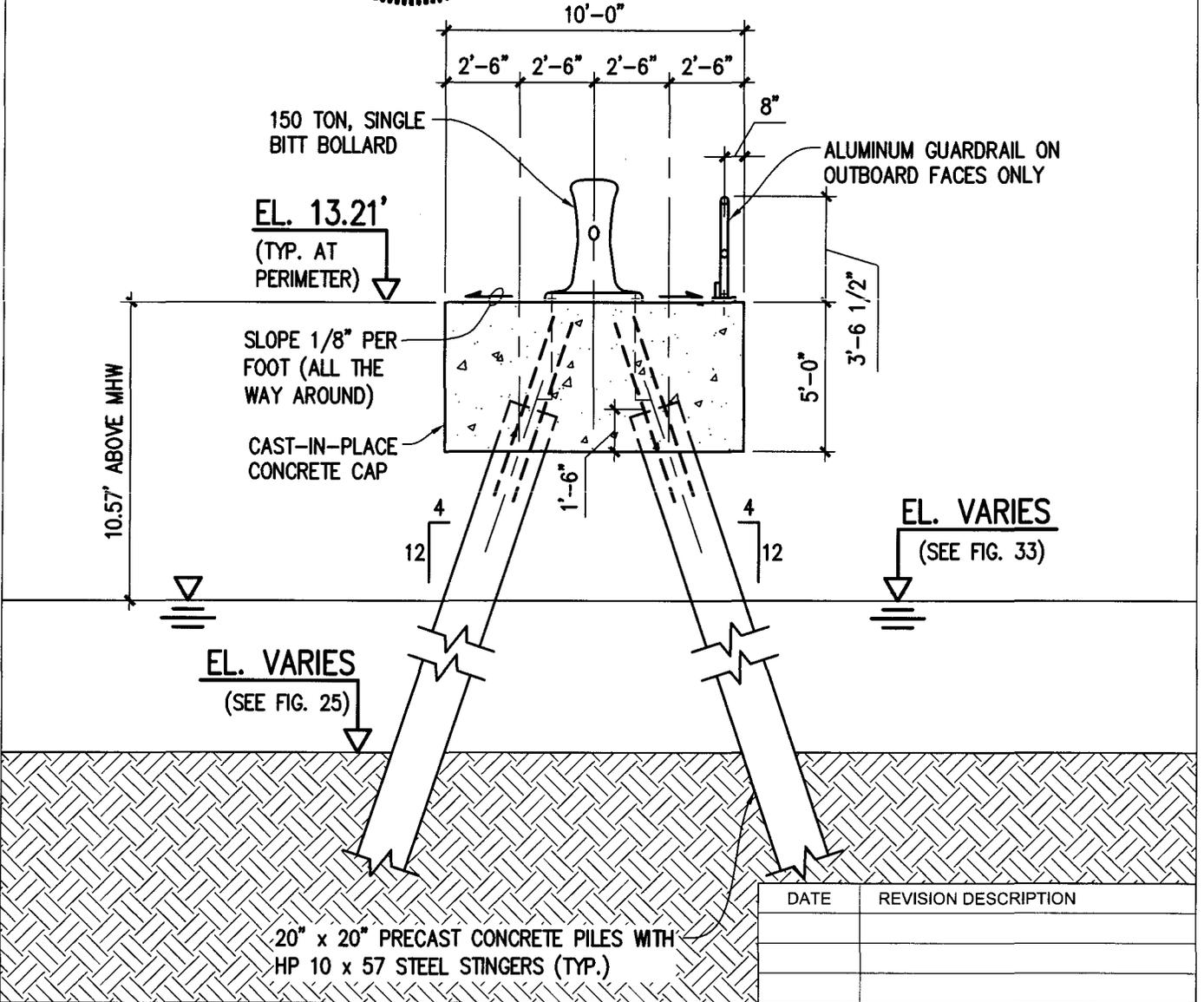
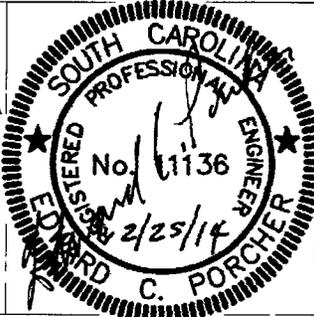
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 40 of 86 DATE: 2/25/14



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 41

TRANSVERSE SECTION AT TYPICAL OUTBOARD MOORING DOLPHIN

SCALE: 3/16" = 1'-0"

PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING

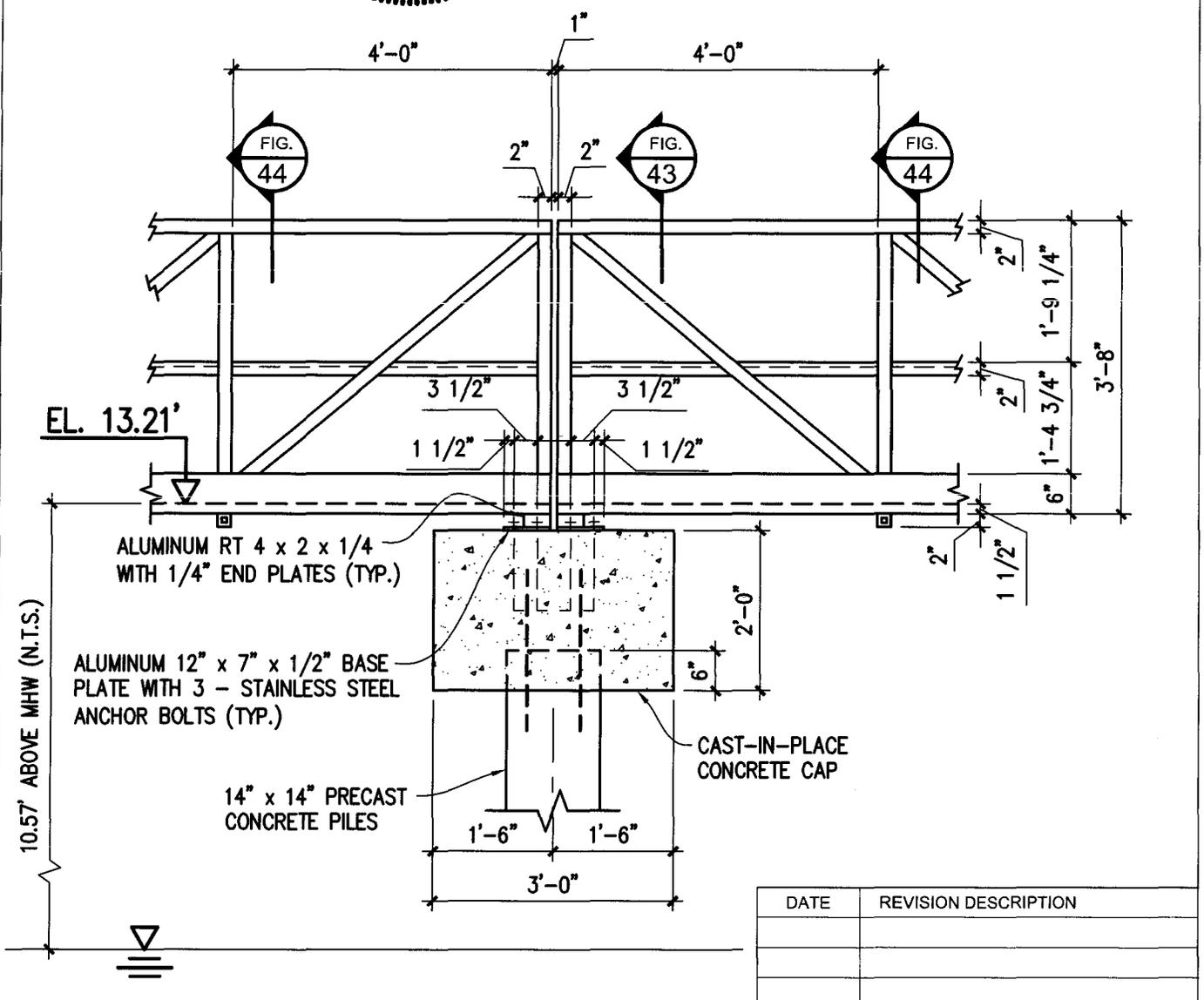
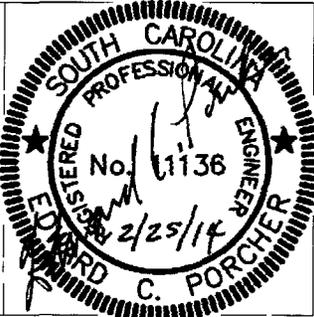
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY SOUTH CAROLINA

SHEET: 41 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 42

ELEVATION AT TYPICAL
CATWALK / INTERIOR PILE CAP

SCALE: 1/2" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

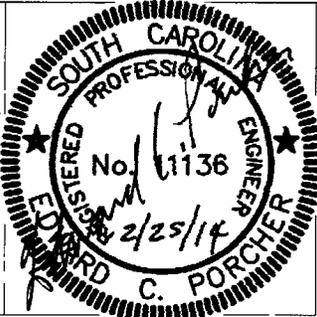
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

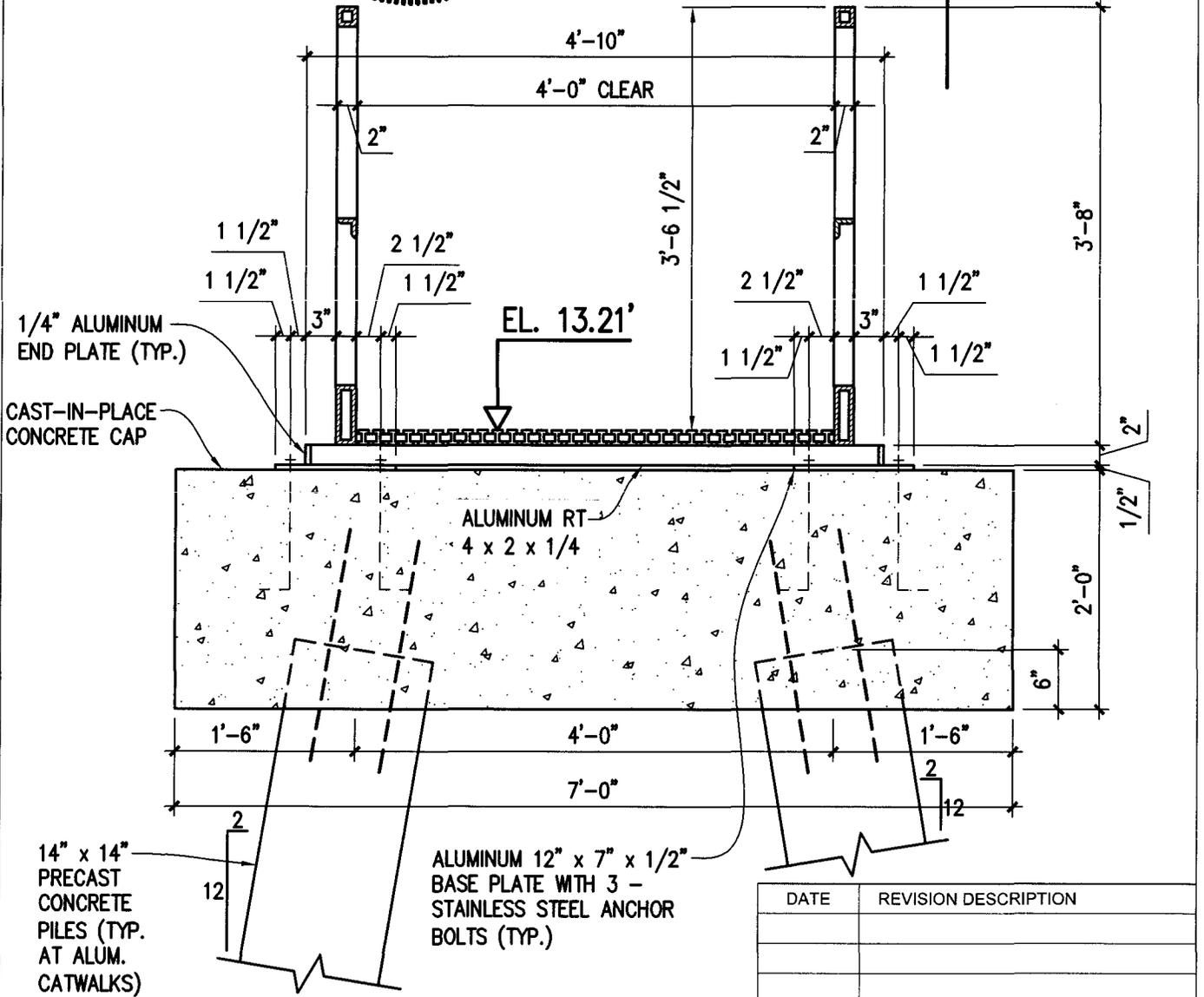
SHEET: 42 of 86 DATE: 2/25/14





SEE FIG. 44 FOR
DETAILS NOT LABELED

FIG.
42



PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 43

SECTION AT TYP. CATWALK / INTERIOR
PILE CAP CONNECTION

SCALE: 3/4" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

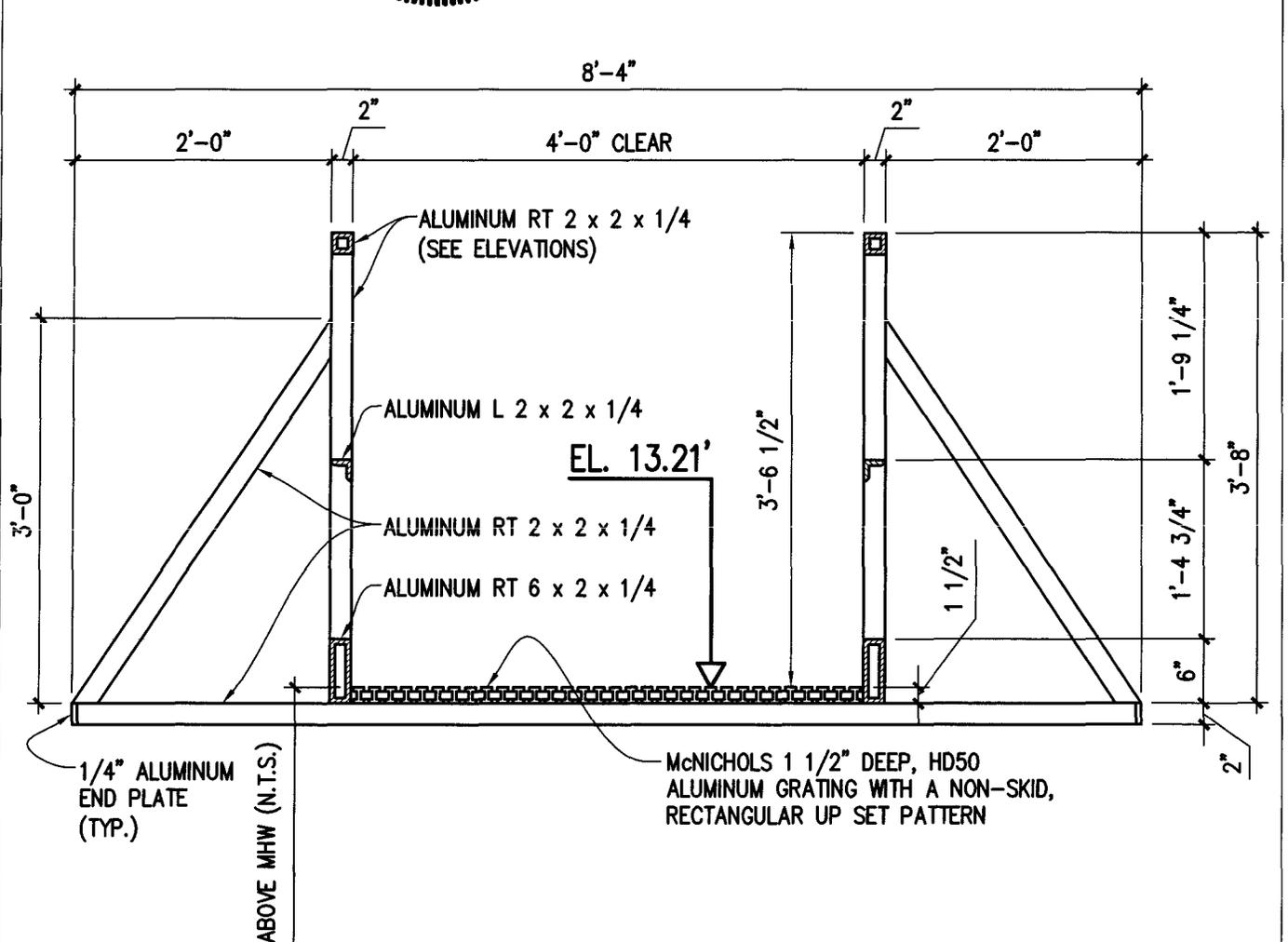
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 43 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 44
SECTION AT TYPICAL CATWALK

SCALE: 3/4" = 1'-0"

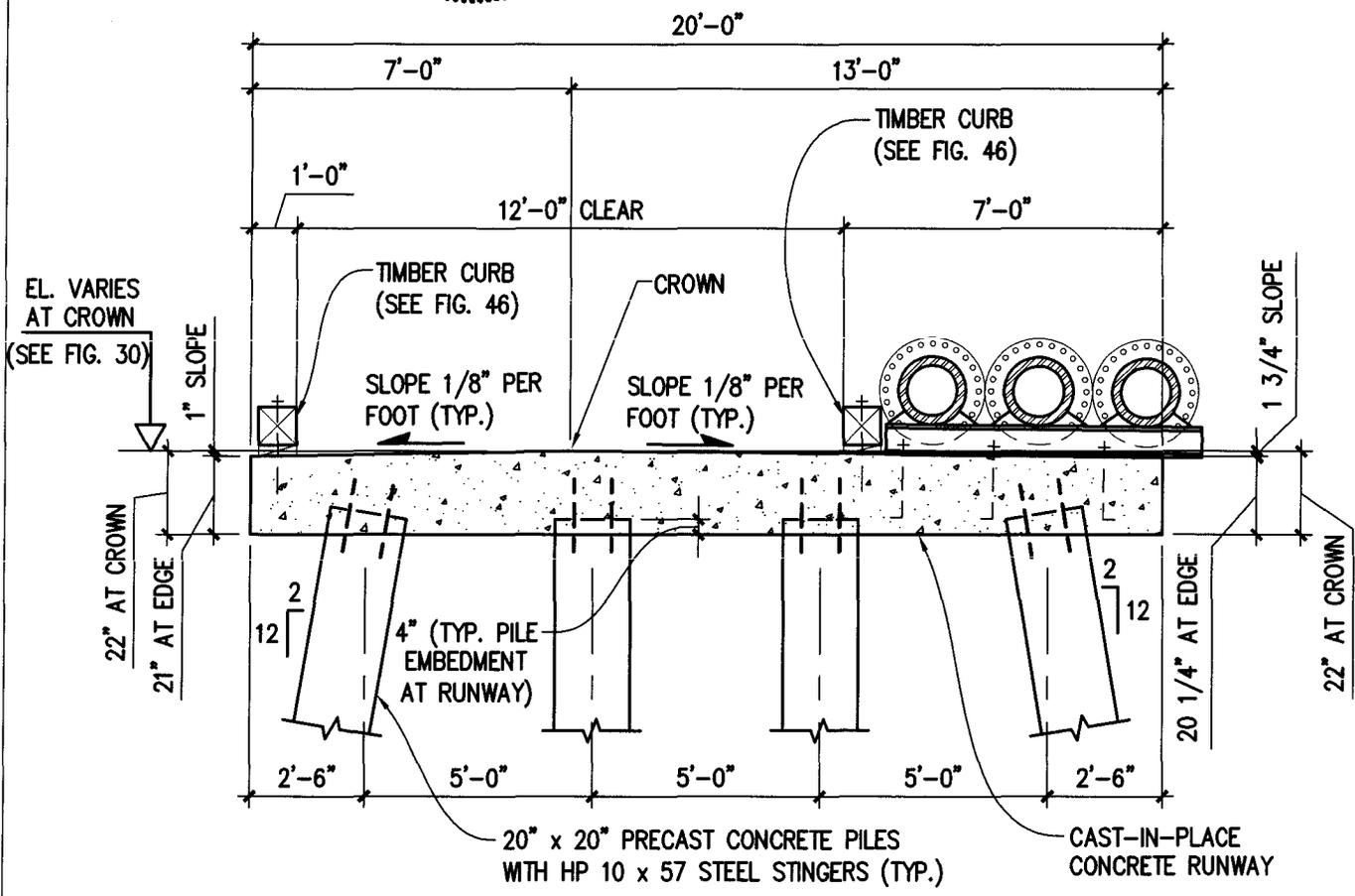
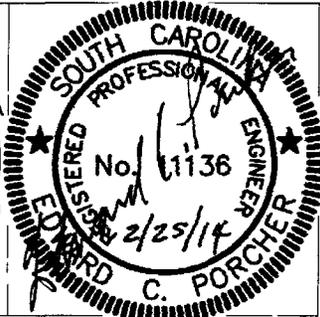
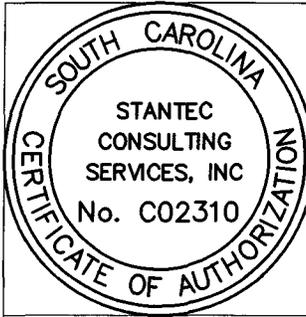
PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 44 of 86 DATE: 2/25/14





ALL TIMBER SHALL BE TREATED IN ACCORDANCE WITH AWPAC3 TO 2.5 LBS/FT³ OF RETENTION WITH CCA.

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 45
 TRANSVERSE SECTION THROUGH ACCESS RUNWAY

SCALE: 1/4" = 1'-0"

PROJECT STRIKER
 BUSHY PARK INDUSTRIAL COMPLEX
 BERKELEY COUNTY, SOUTH CAROLINA

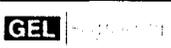
PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING

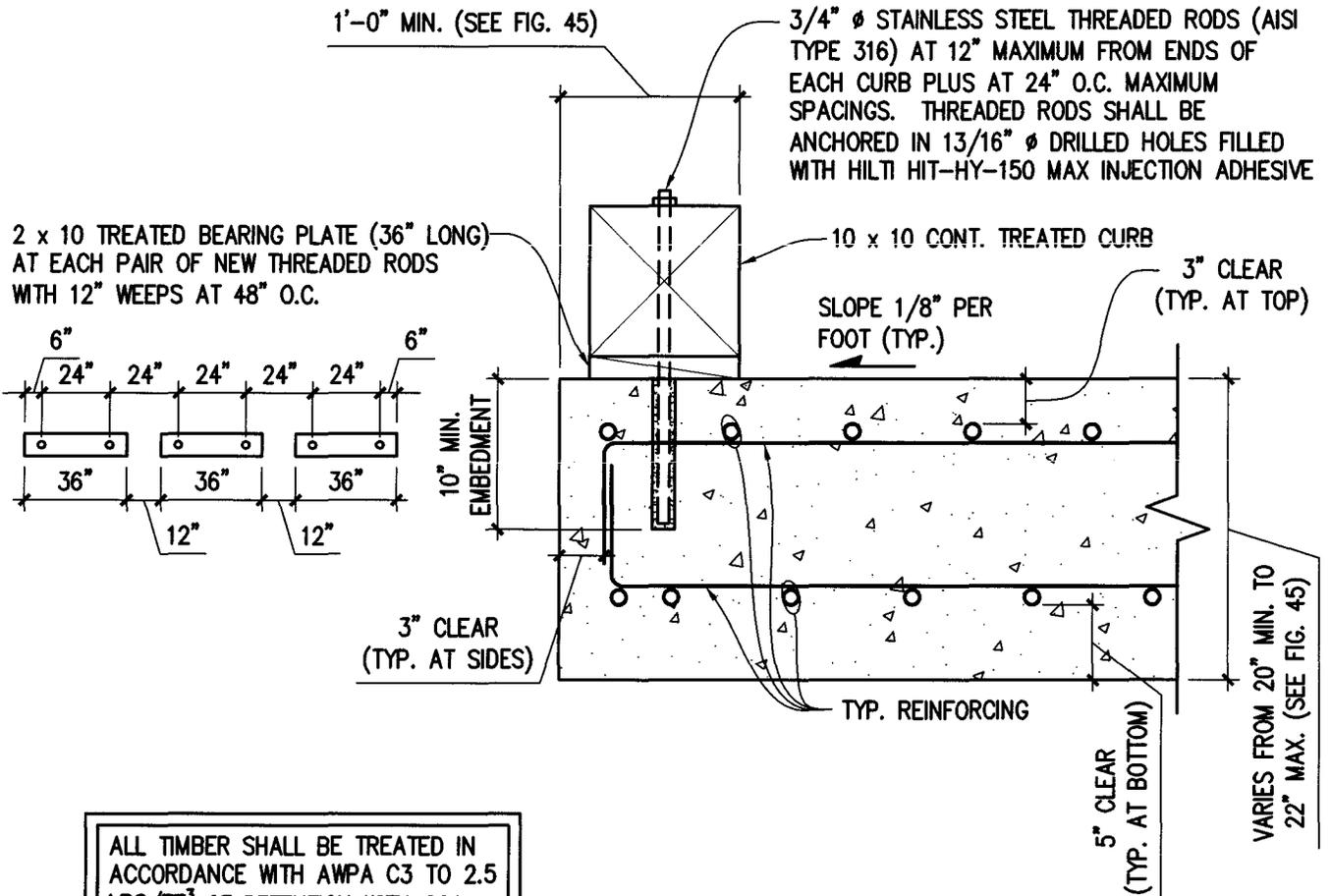
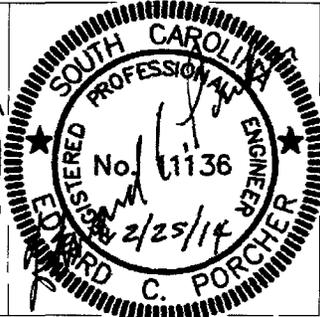
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY SOUTH CAROLINA

SHEET: 45 of 86 DATE: 2/25/14





DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 46

TYPICAL SECTION AT
NEW TIMBER CURB

SCALE: 1" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

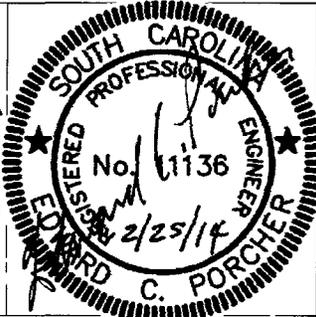
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 46 of 86

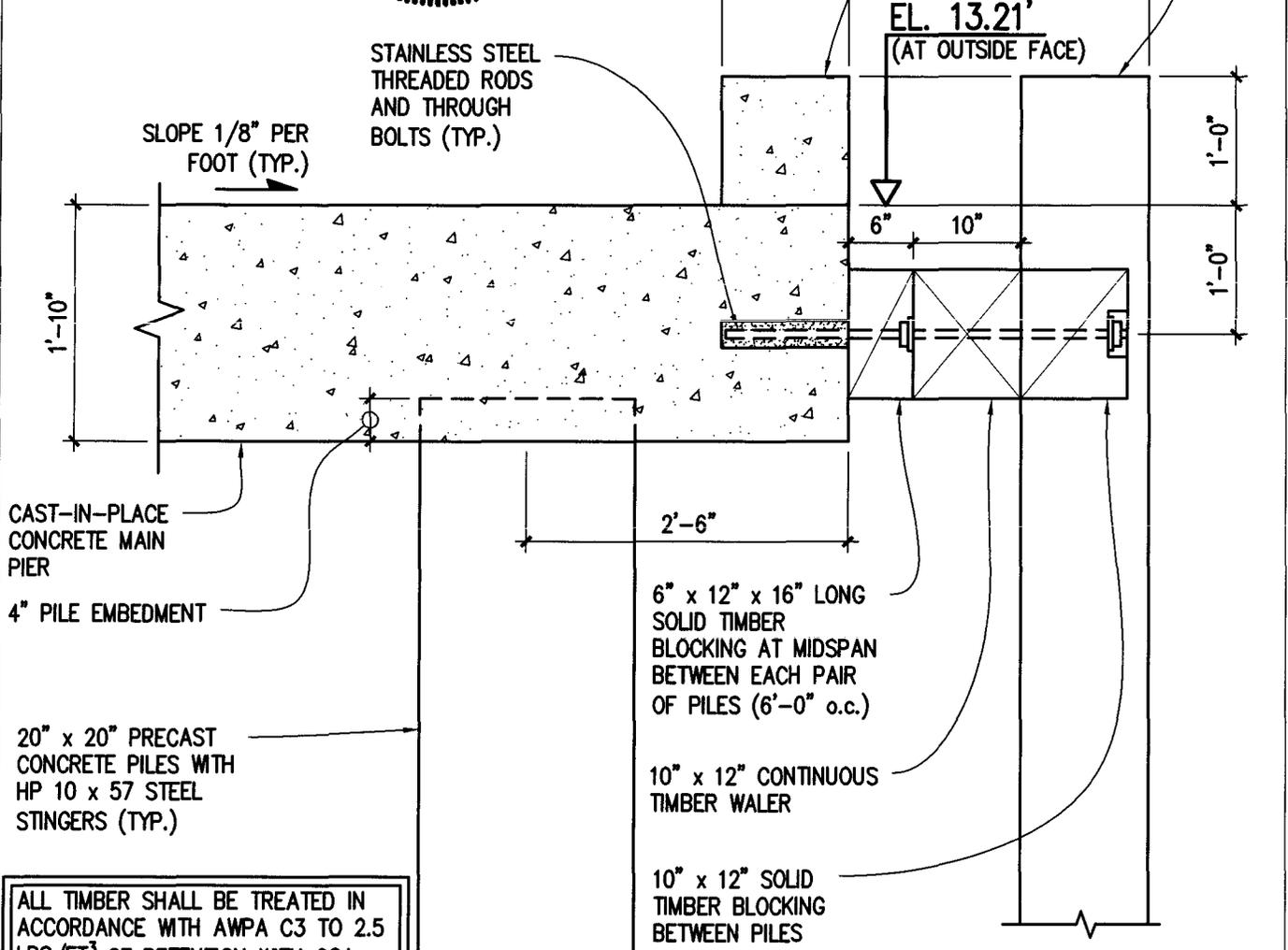
DATE: 2/25/14





12" x 12" REINFORCED CONCRETE BULL RAIL (TYPICAL AT SLAB EDGES SUBJECT TO VEHICULAR TRAFFIC)

12"Ø TIMBER FENDER PILES AT 6' - 0" o.c. (SEE FIG. 28)



ALL TIMBER SHALL BE TREATED IN ACCORDANCE WITH AWPAC C3 TO 2.5 LBS/FT³ OF RETENTION WITH CCA.

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 47

TYPICAL TIMBER FENDERS AT MAIN PIER

SCALE: 3/4" = 1'-0"

PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING

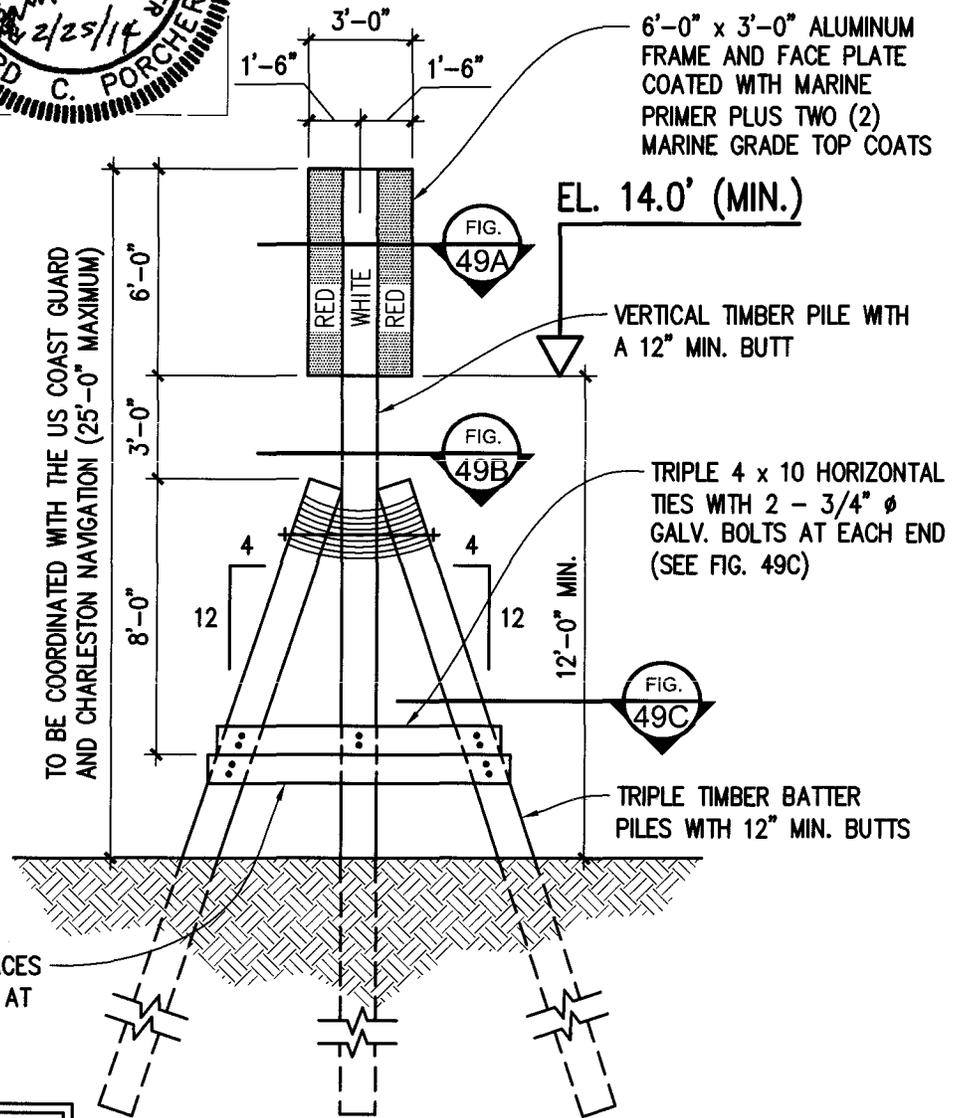
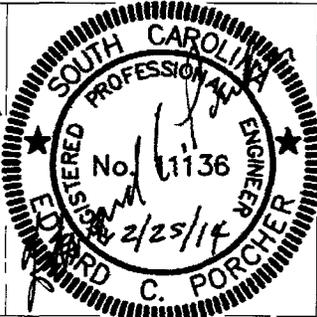
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY SOUTH CAROLINA

SHEET: 47 of 86 DATE: 2/25/14





TRIPLE 4 x 10 HORIZONTAL BRACES WITH 2 - 3/4" Ø GALV. BOLTS AT EACH END (SEE FIG. 49C)

ALL TIMBER SHALL BE TREATED IN ACCORDANCE WITH AWPAC3 TO 2.5 LBS/FT³ OF RETENTION WITH CCA.

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 48

TYPICAL ELEVATION
AT RANGE MARKER

SCALE: 3/16" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

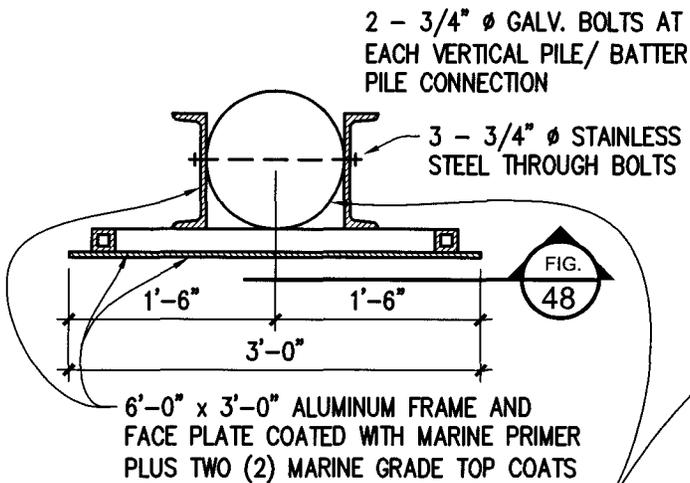
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

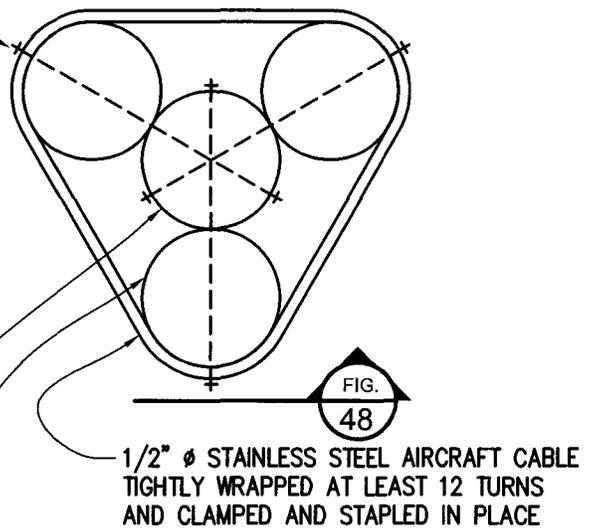
SHEET: 48 of 86

DATE: 2/25/14

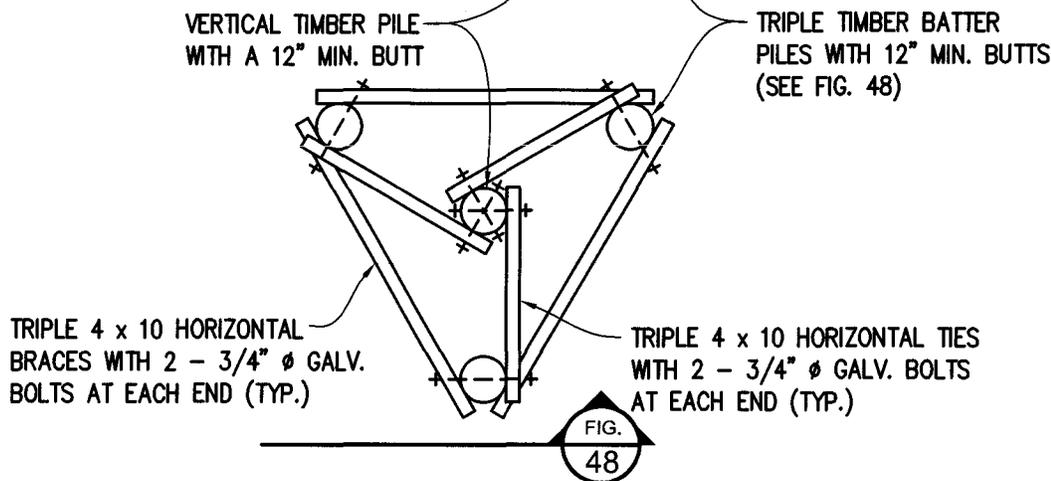




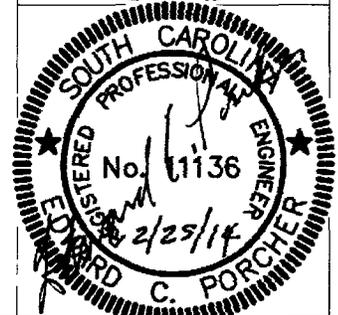
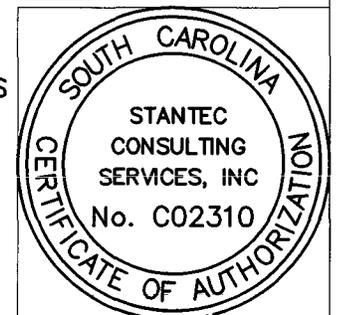
"A" RANGE MARKER/VERTICAL PILE CONNECTION



"B" HIGH VERTICAL PILE/BATTER PILES CONNECTION



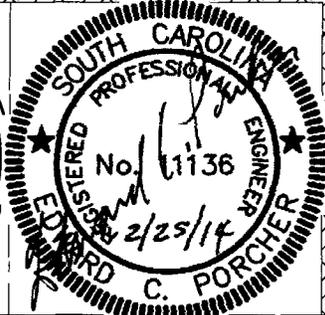
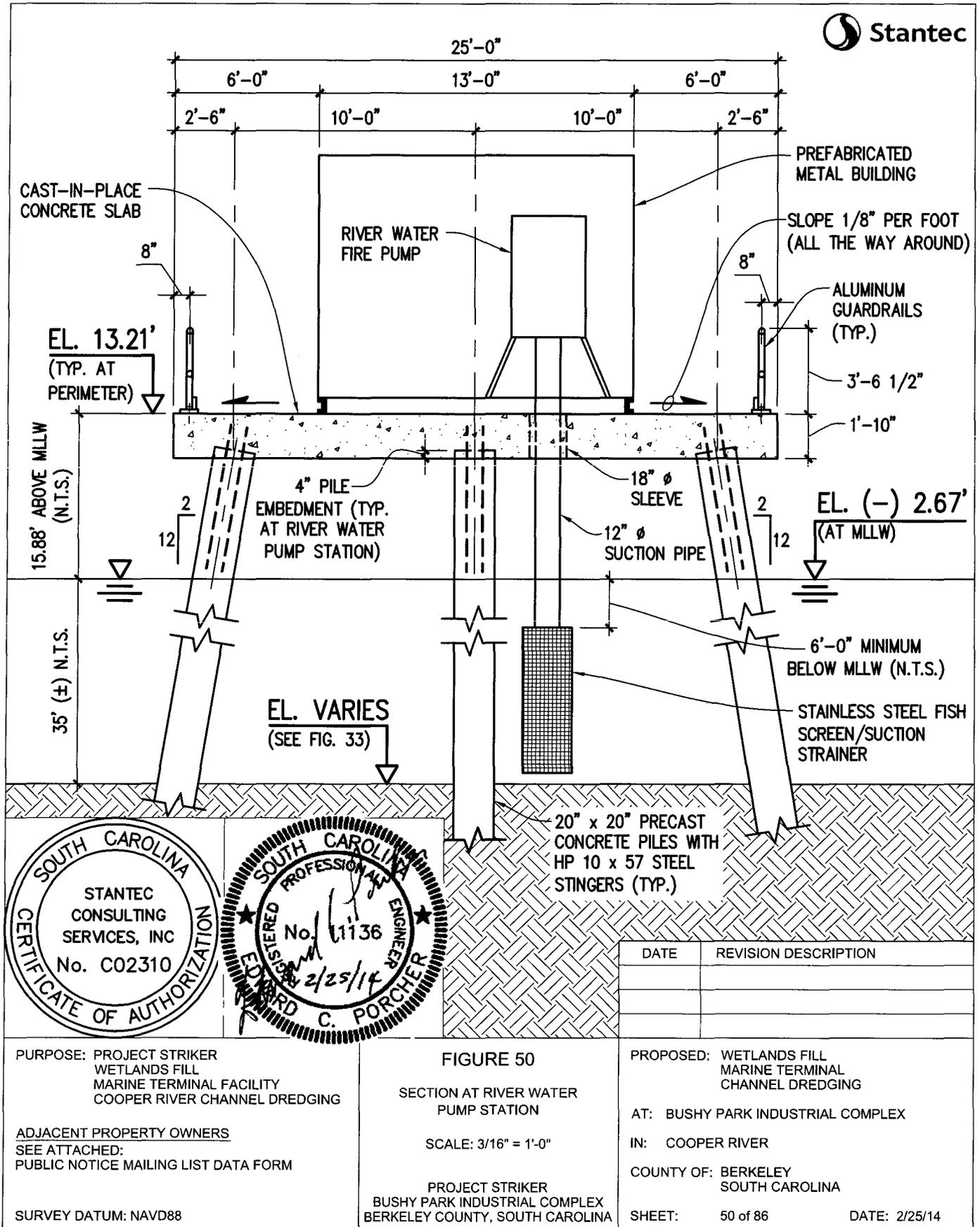
"C" LOW VERT. PILE/BATTER PILES CONN.



ALL TIMBER SHALL BE TREATED IN ACCORDANCE WITH AWPAC3 TO 2.5 LBS/FT³ OF RETENTION WITH CCA.

DATE	REVISION DESCRIPTION

<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: NAVD88</p>	<p>FIGURE 49</p> <p>PARTIAL PLANS AT RANGE MARKERS</p> <p>"A" & "B" SCALE: 3/4" = 1'-0"</p> <p>"C" SCALE: 1/4" = 1'-0"</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 49 of 86 DATE: 2/25/14</p>
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DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAVD88

FIGURE 50
SECTION AT RIVER WATER
PUMP STATION

SCALE: 3/16" = 1'-0"

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

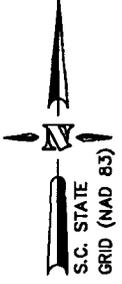
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

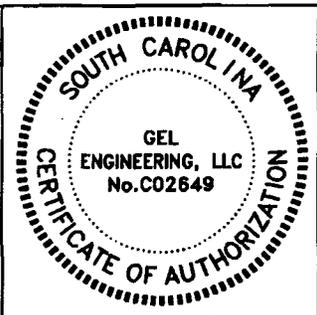
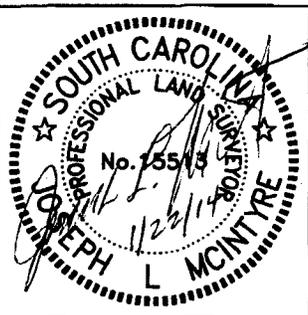
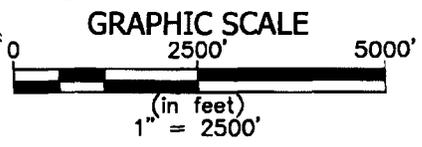
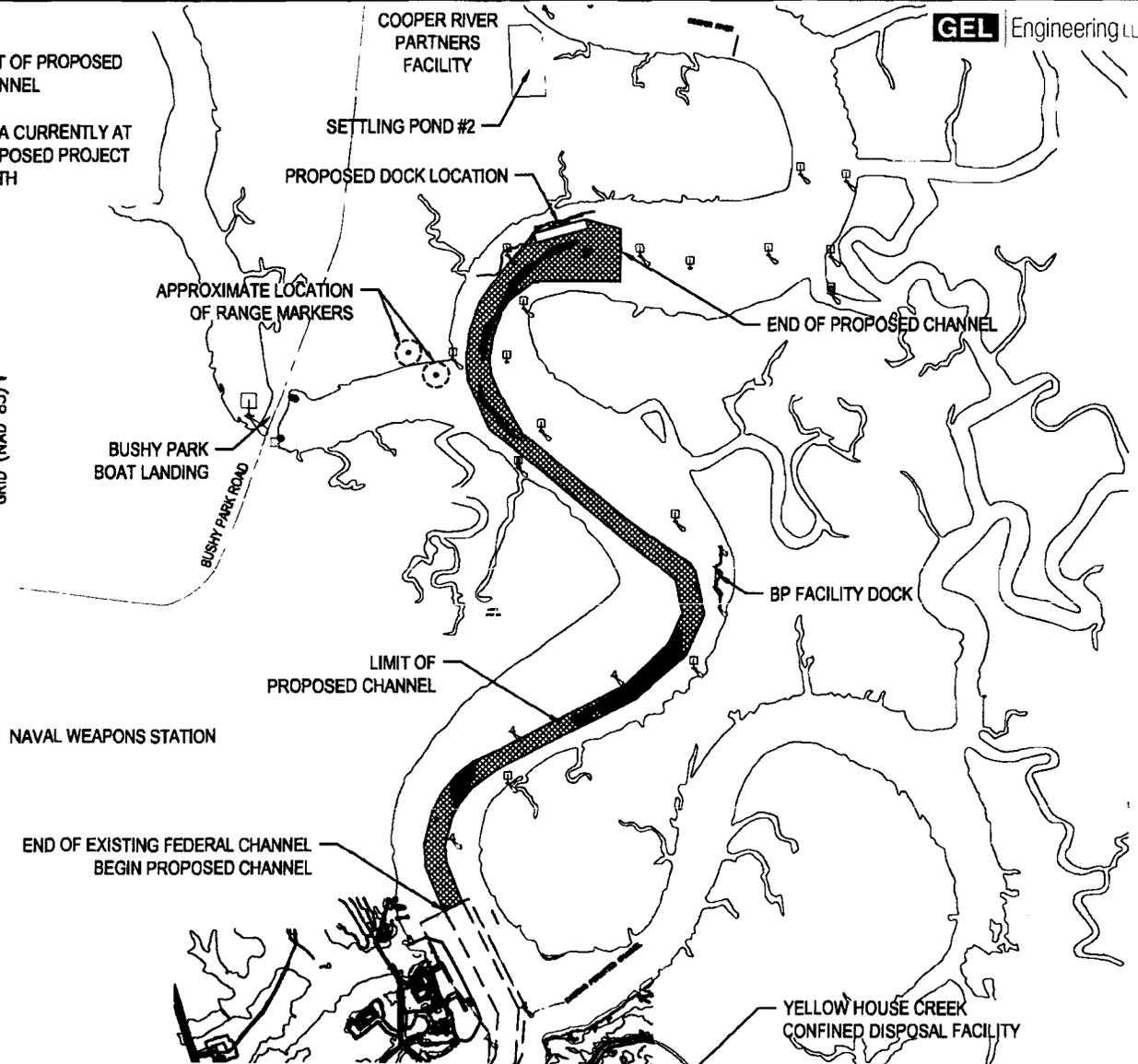
SHEET: 50 of 86 DATE: 2/25/14

LEGEND

-  LIMIT OF PROPOSED CHANNEL
-  AREA CURRENTLY AT PROPOSED PROJECT DEPTH



GEL Engineering LLC



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, MLLW

FIGURE 51
COOPER RIVER DREDGING
PLAN VIEW

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

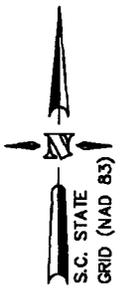
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

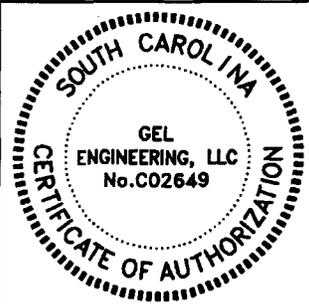
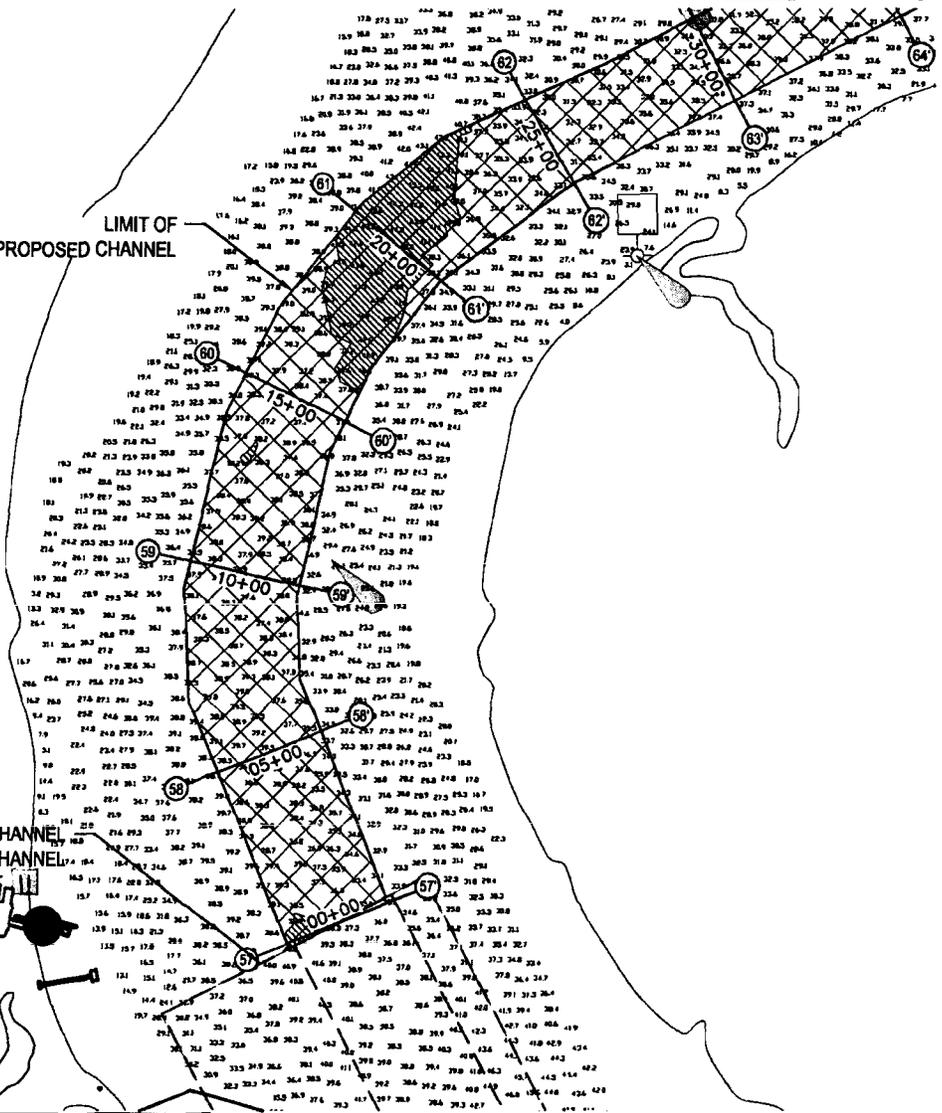
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 51 of 86 DATE: 1/10/14



LIMIT OF PROPOSED CHANNEL

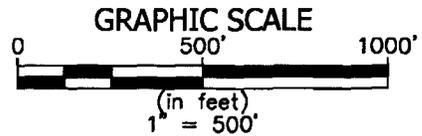
END OF EXISTING FEDERAL CHANNEL
BEGIN PROPOSED CHANNEL



LEGEND

- LIMIT OF PROPOSED CHANNEL
- AREA CURRENTLY AT PROPOSED PROJECT DEPTH

NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, MLLW

FIGURE 52
COOPER RIVER DREDGING
PLAN VIEW

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

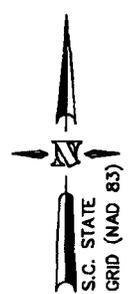
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

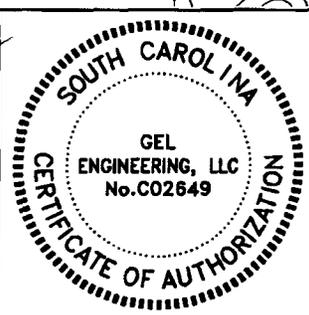
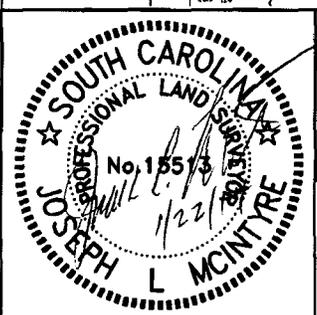
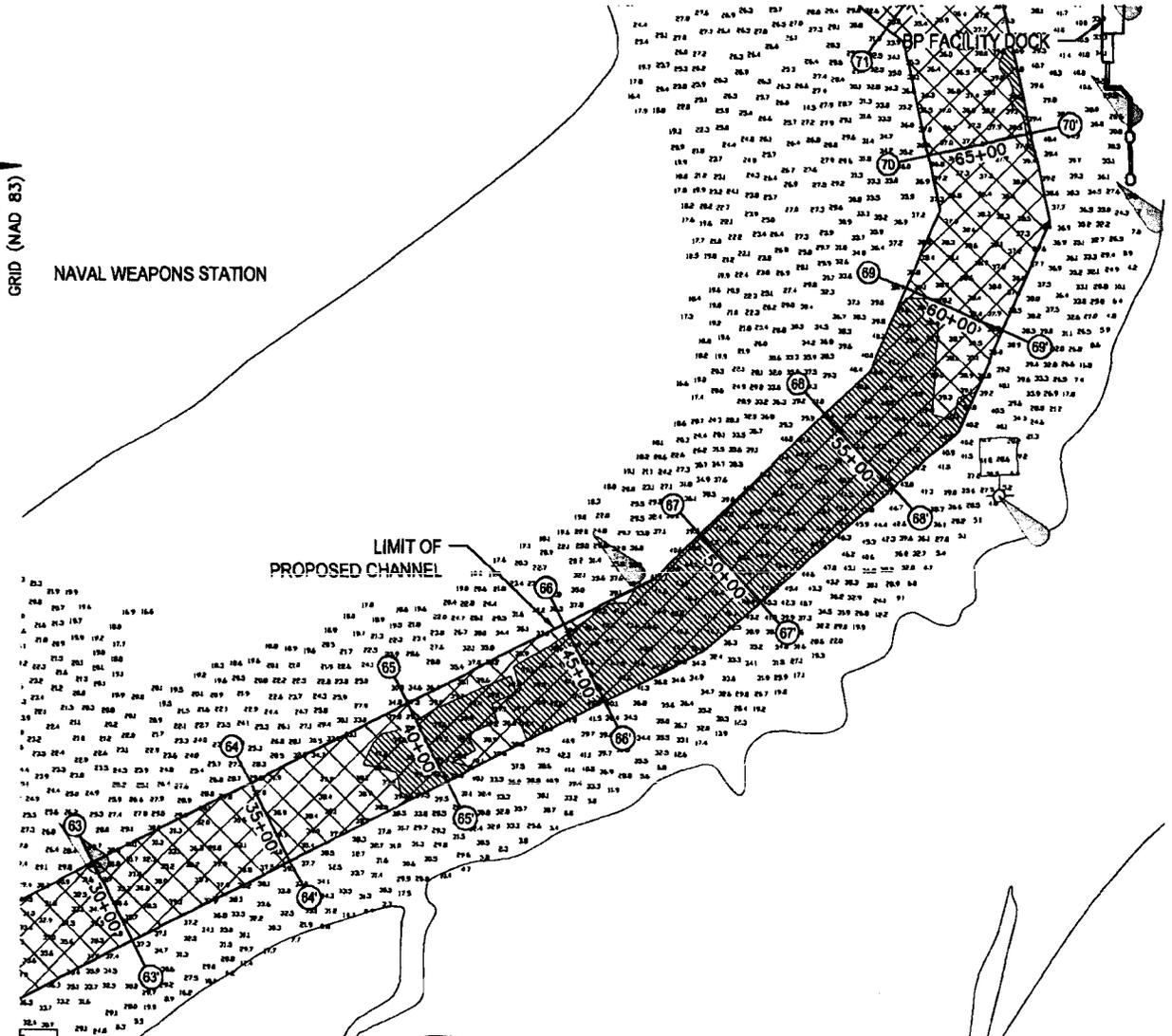
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 52 of 86

DATE: 1/10/14



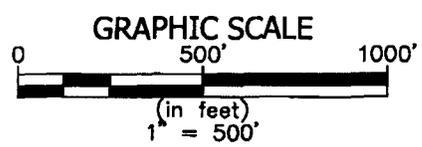
NAVAL WEAPONS STATION



LEGEND

- LIMIT OF PROPOSED CHANNEL
- AREA CURRENTLY AT PROPOSED PROJECT DEPTH

NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, MLLW

FIGURE 53
COOPER RIVER DREDGING
PLAN VIEW

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

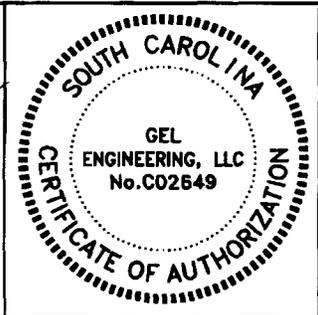
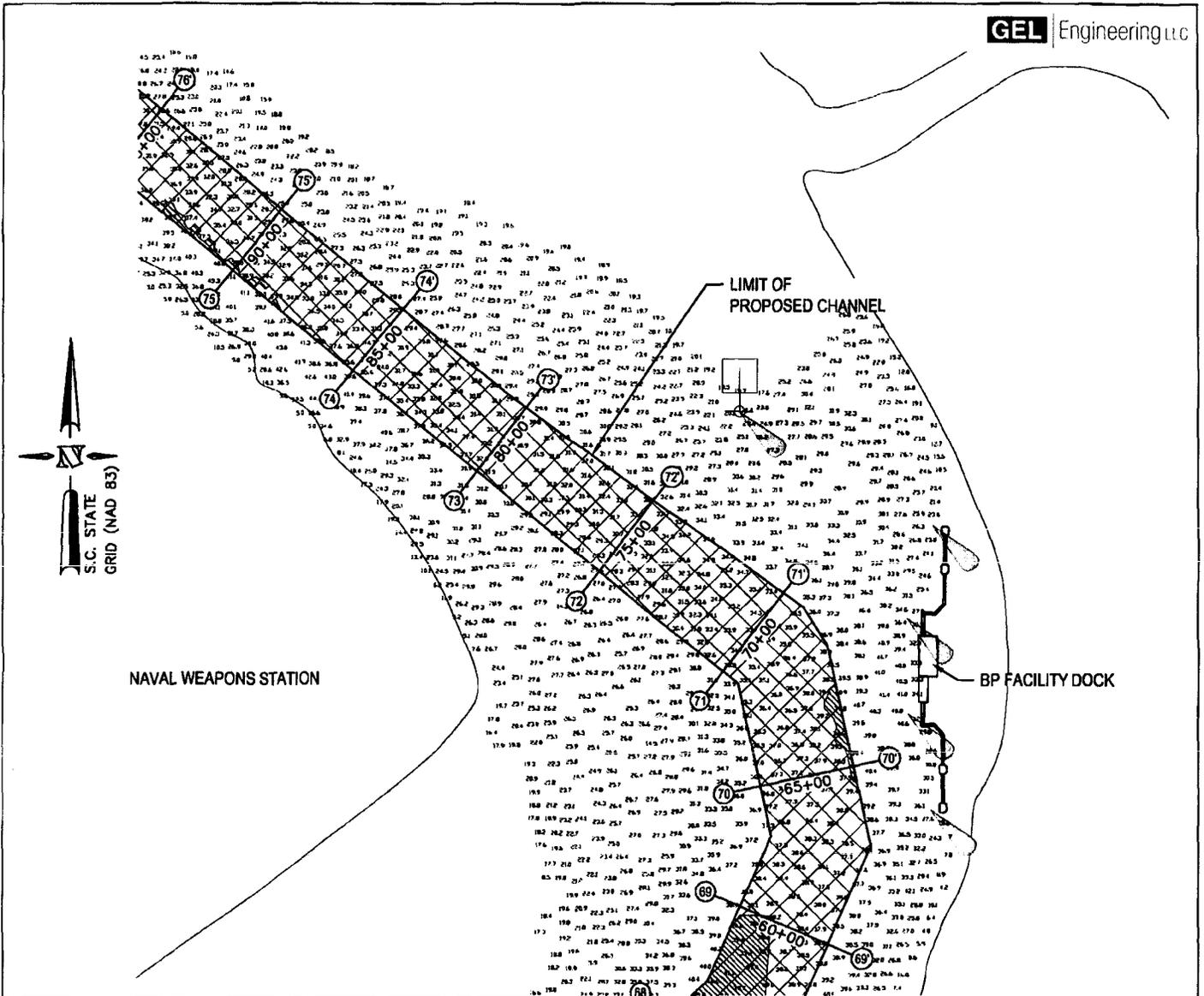
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

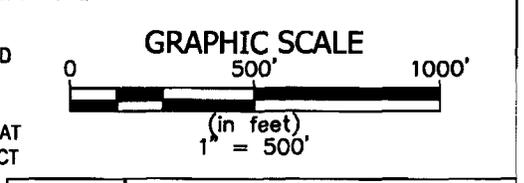
SHEET: 53 of 86 DATE: 1/10/14



LEGEND

- LIMIT OF PROPOSED CHANNEL
- AREA CURRENTLY AT PROPOSED PROJECT DEPTH

NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, MLLW

FIGURE 54
COOPER RIVER DREDGING
PLAN VIEW

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

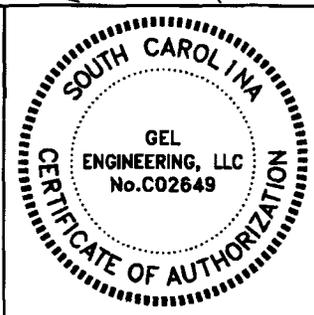
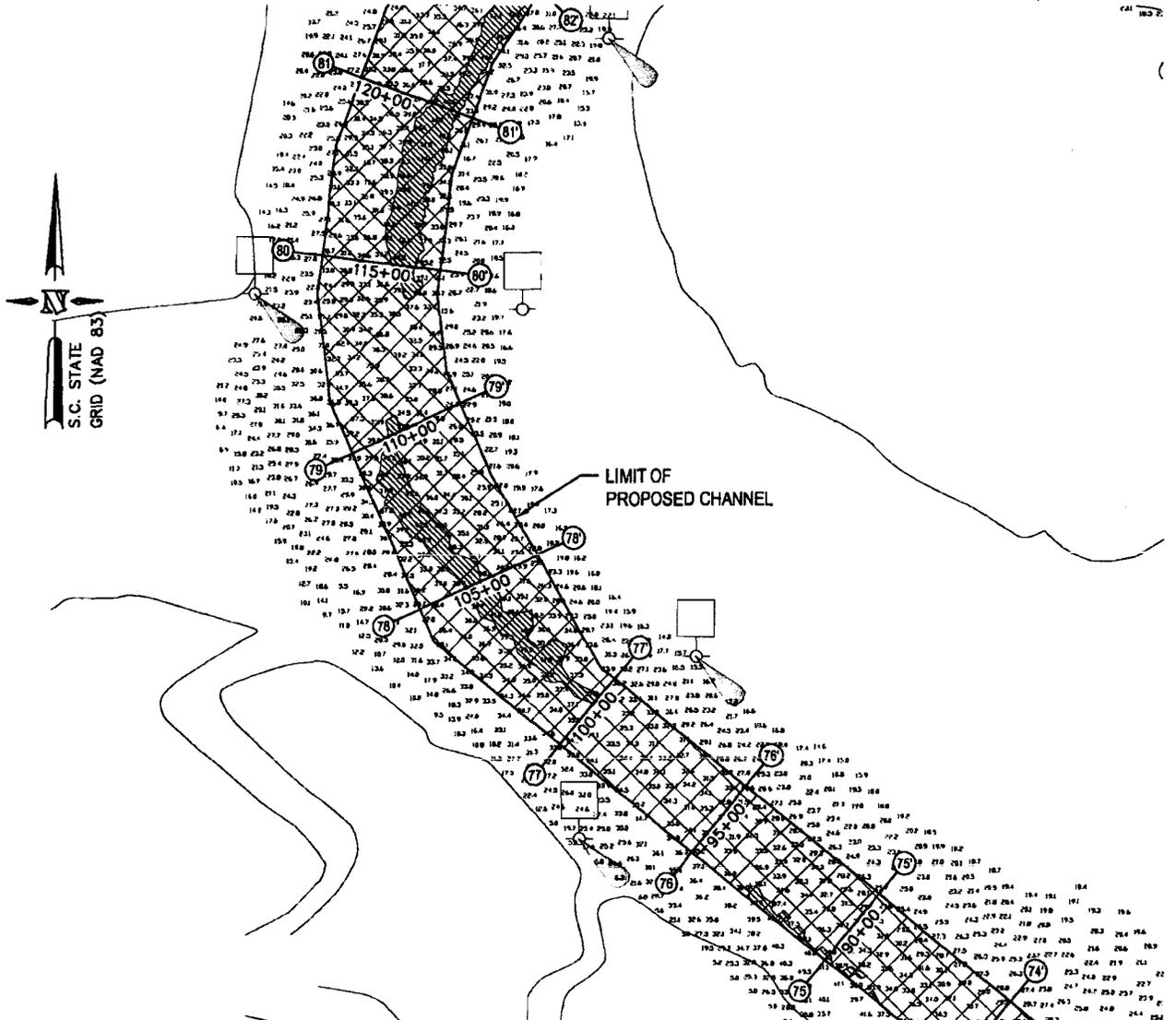
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

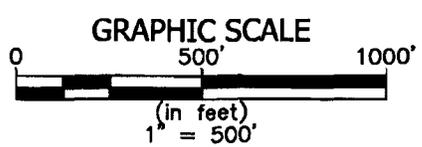
SHEET: 54 of 86 **DATE:** 1/10/14



LEGEND

-  LIMIT OF PROPOSED CHANNEL
-  AREA CURRENTLY AT PROPOSED PROJECT DEPTH

NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, MLLW

FIGURE 55
COOPER RIVER DREDGING
PLAN VIEW

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

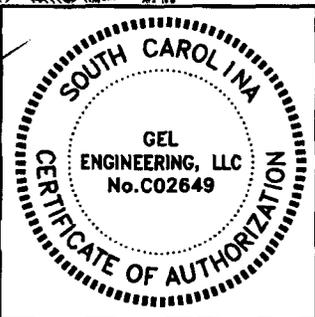
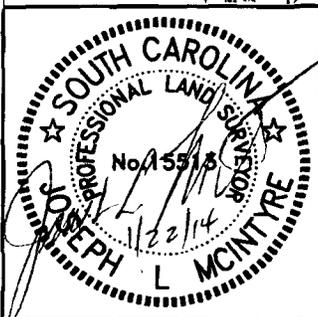
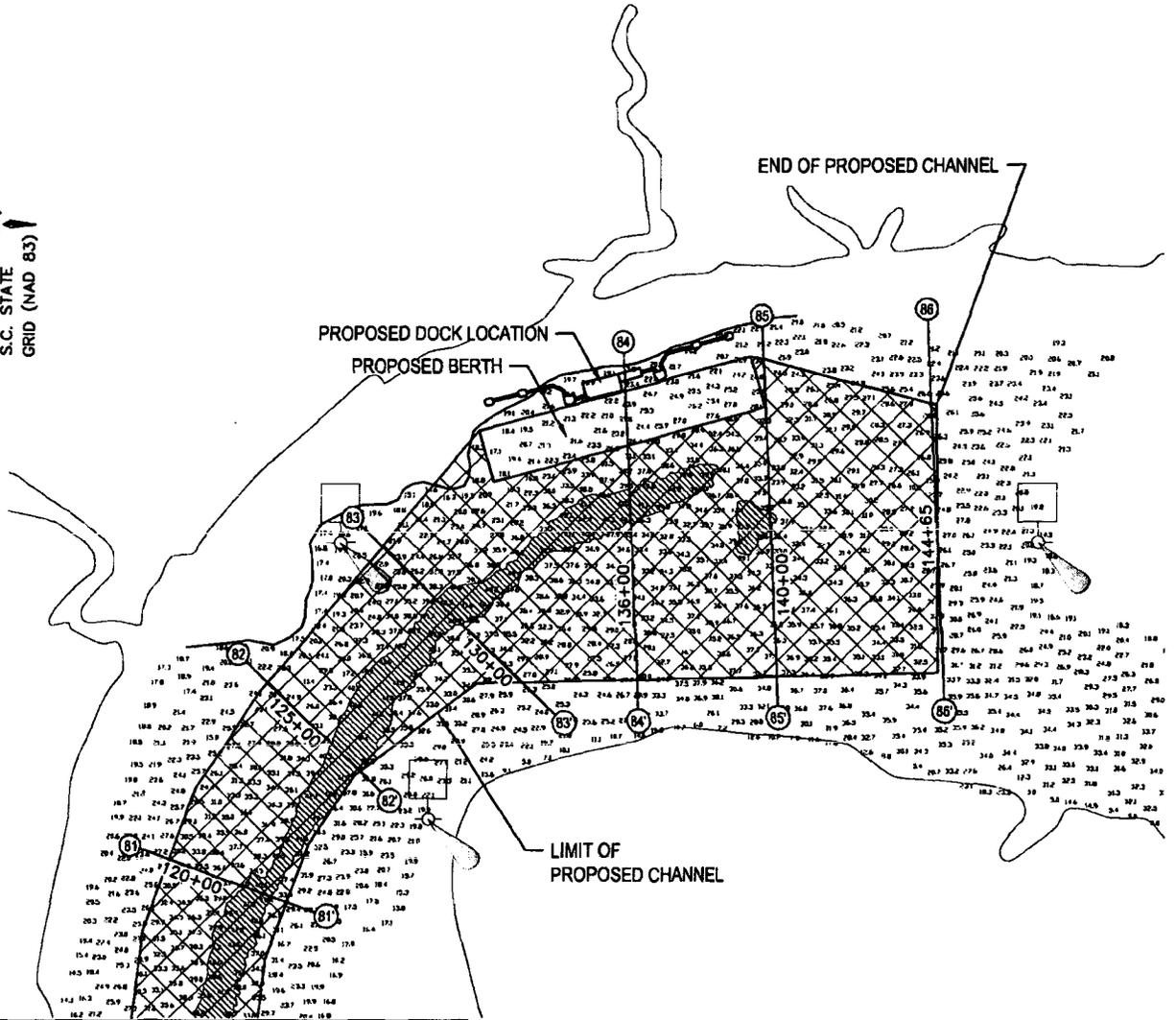
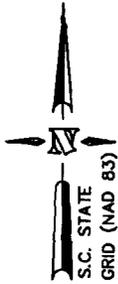
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

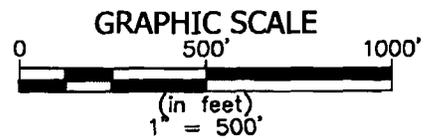
SHEET: 55 of 86 DATE: 1/10/14



LEGEND

- LIMIT OF PROPOSED CHANNEL
- AREA CURRENTLY AT PROPOSED PROJECT DEPTH

NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: NAD83, MLLW

FIGURE 56

COOPER RIVER DREDGING
PLAN VIEW

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

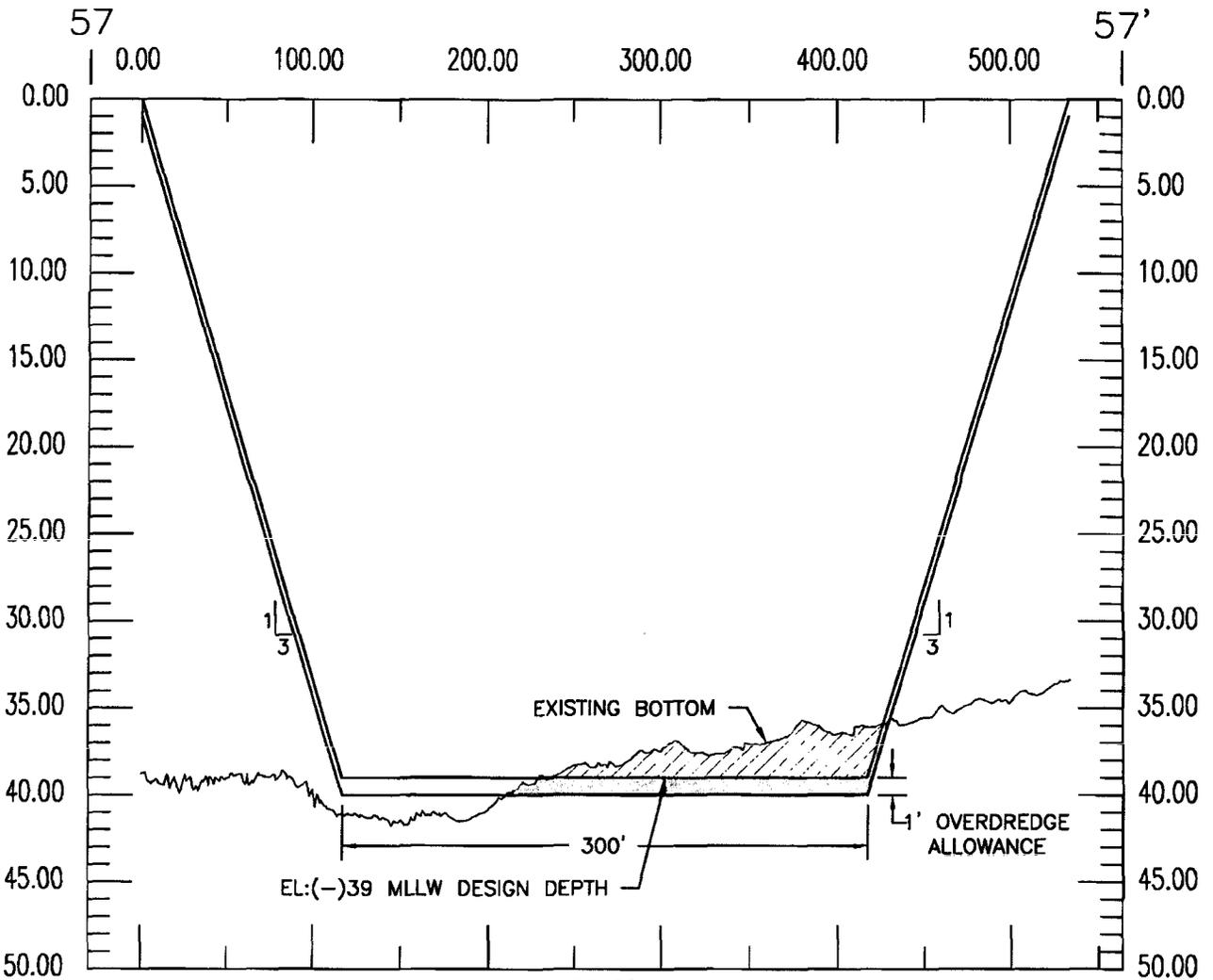
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

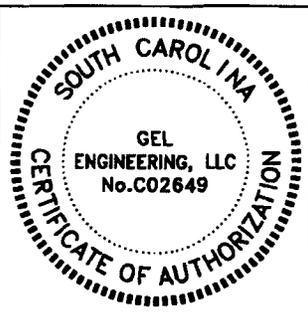
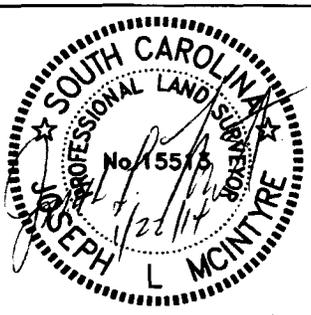
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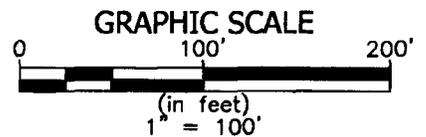


MLLW = MEAN LOWER LOW WATER

00+00



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
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FIGURE 57
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
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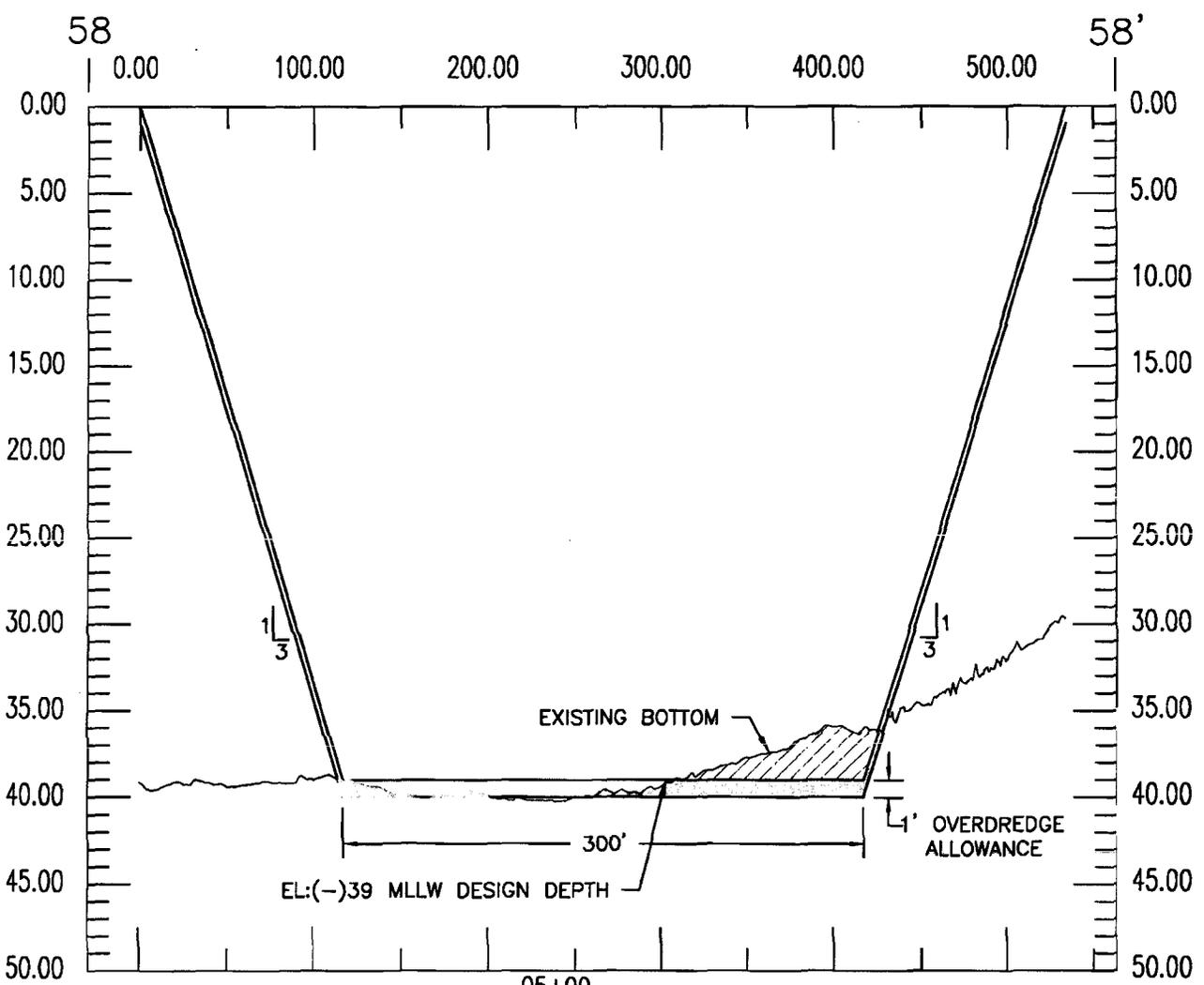
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

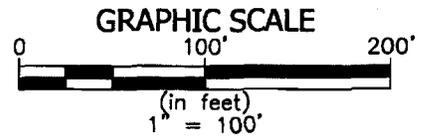
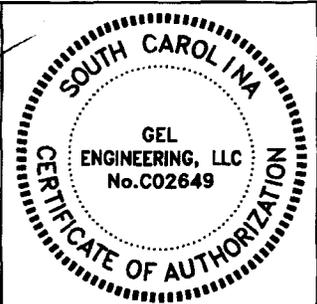
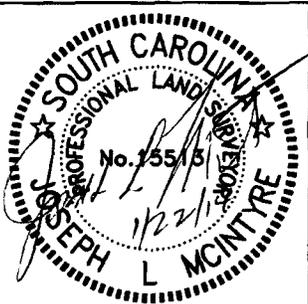
SHEET: 57 of 86

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MLLW = MEAN LOWER LOW WATER

05+00



NOTE:
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FIGURE 58
COOPER RIVER DREDGING

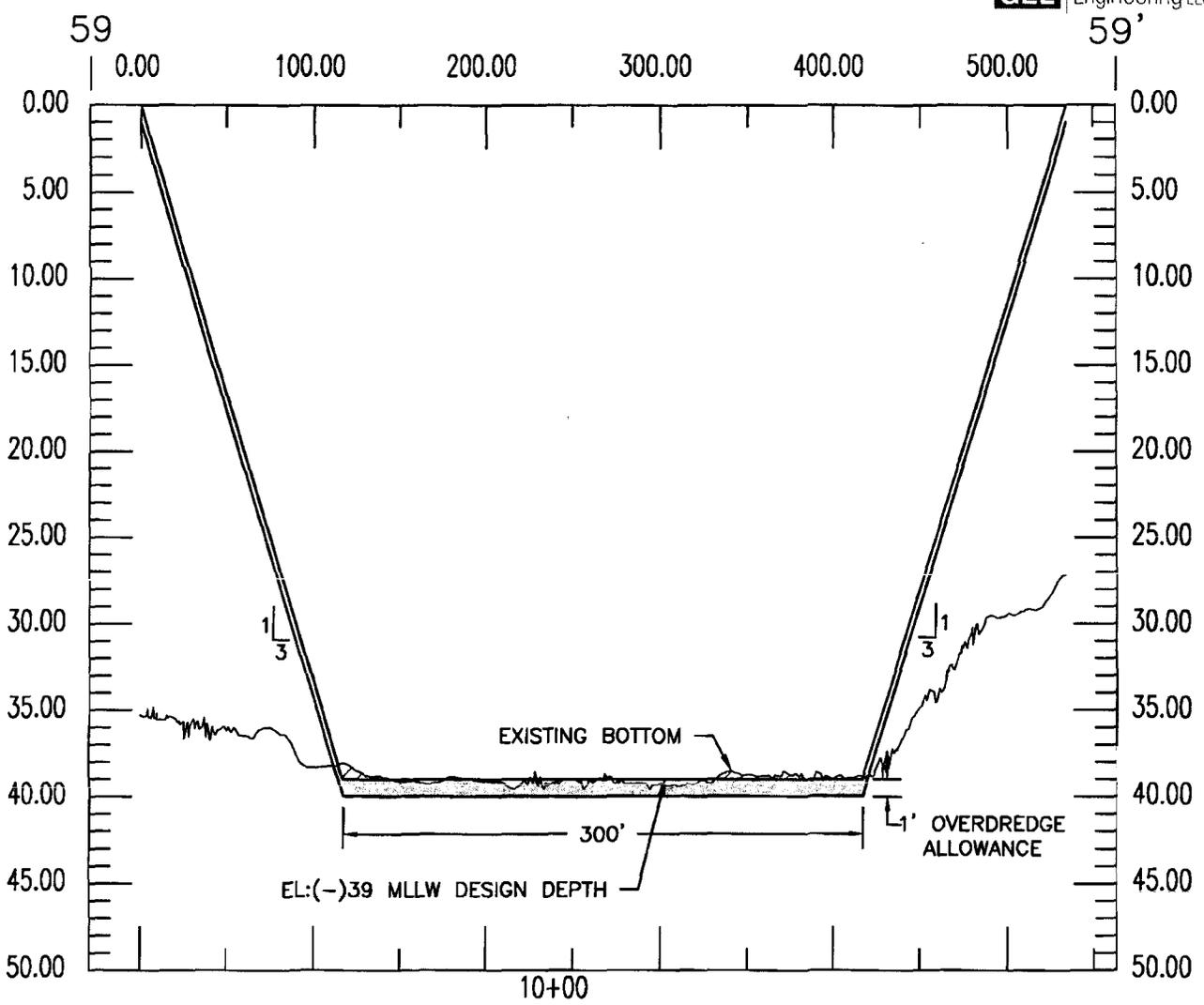
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1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

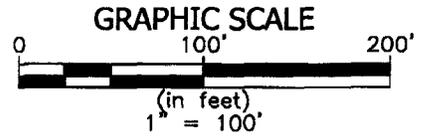
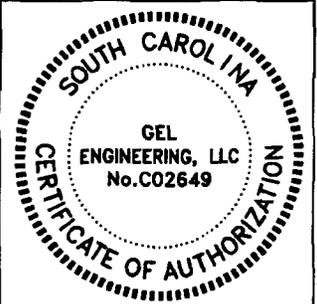
PROPOSED: WETLANDS FILL
MARINE TERMINAL
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AT: BUSHY PARK INDUSTRIAL COMPLEX
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SOUTH CAROLINA

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MLLW = MEAN LOWER LOW WATER



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MARINE TERMINAL FACILITY
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FIGURE 59
COOPER RIVER DREDGING

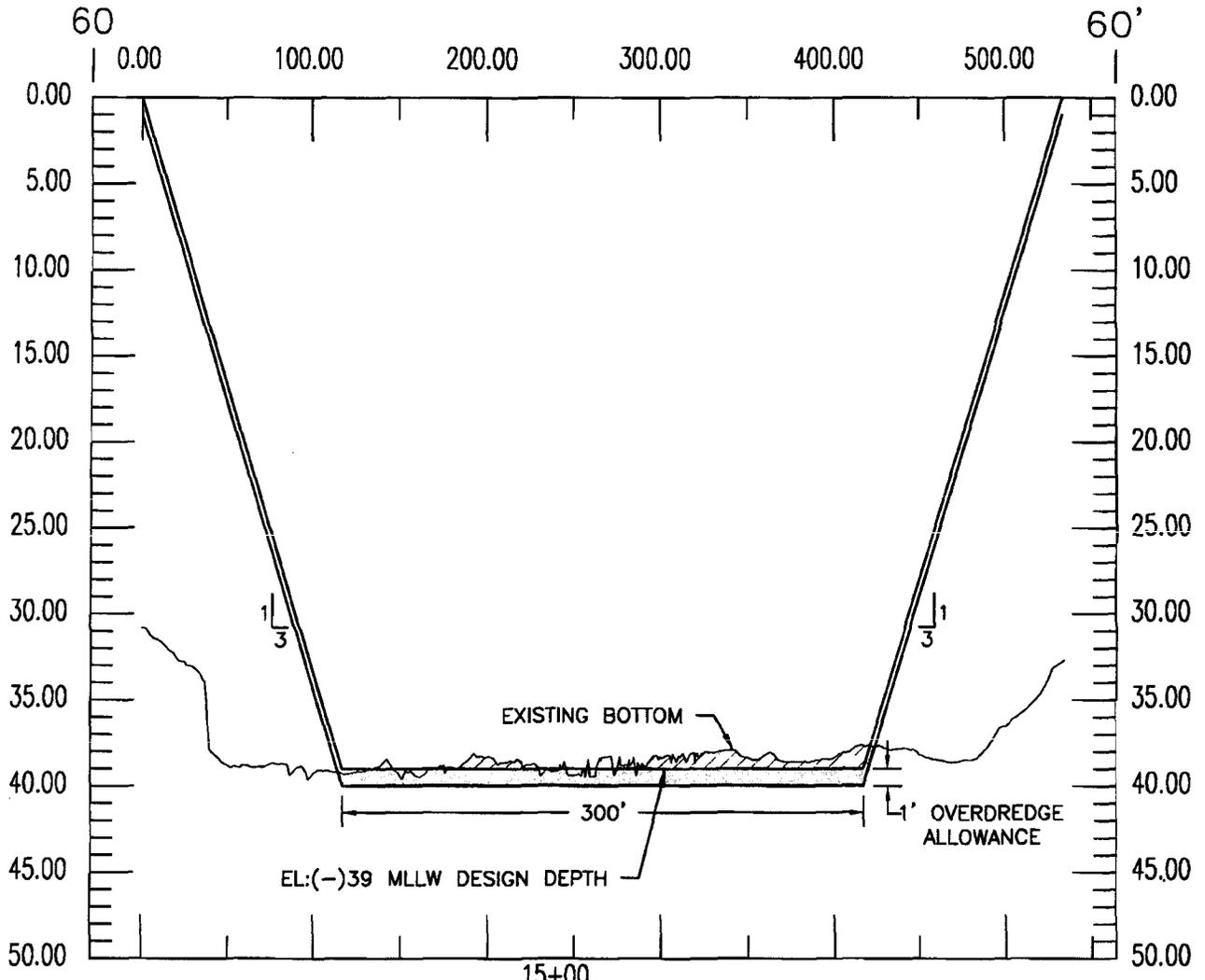
SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
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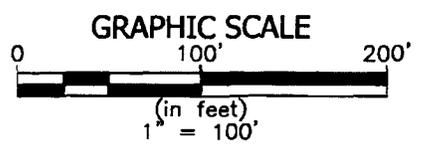
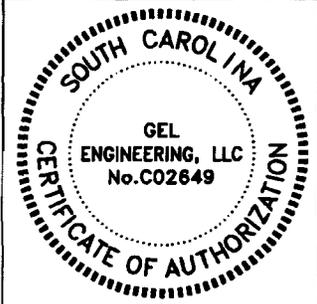
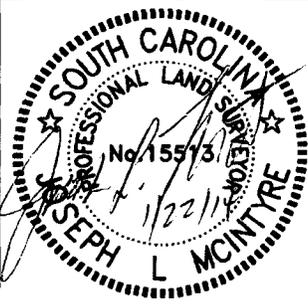
AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA

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MLLW = MEAN LOWER LOW WATER

15+00



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MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

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FIGURE 60
COOPER RIVER DREDGING

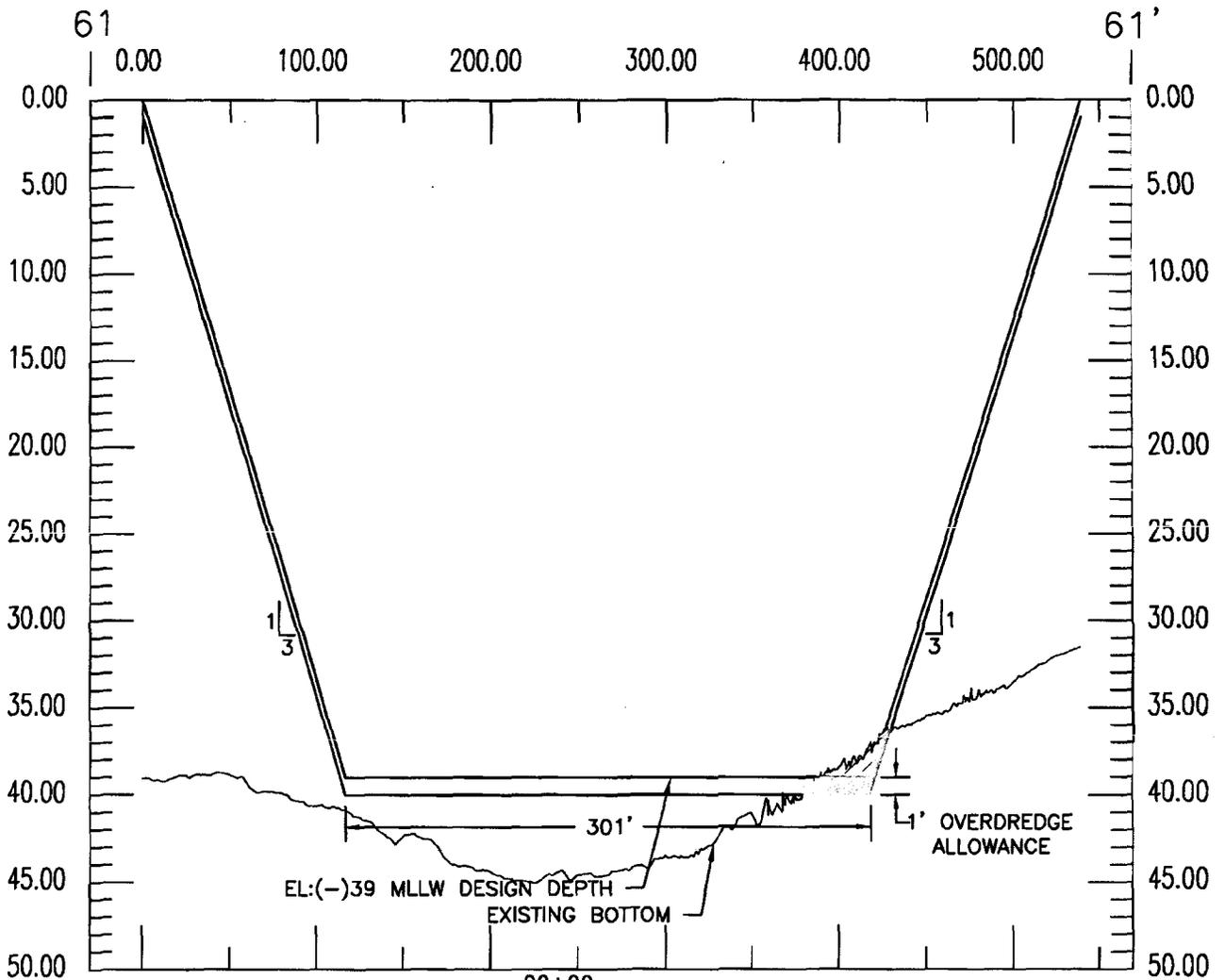
SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

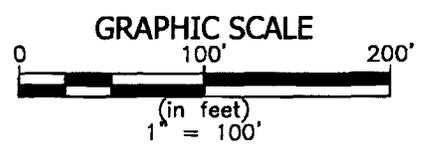
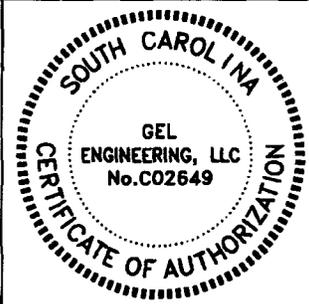
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
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FIGURE 61
COOPER RIVER DREDGING

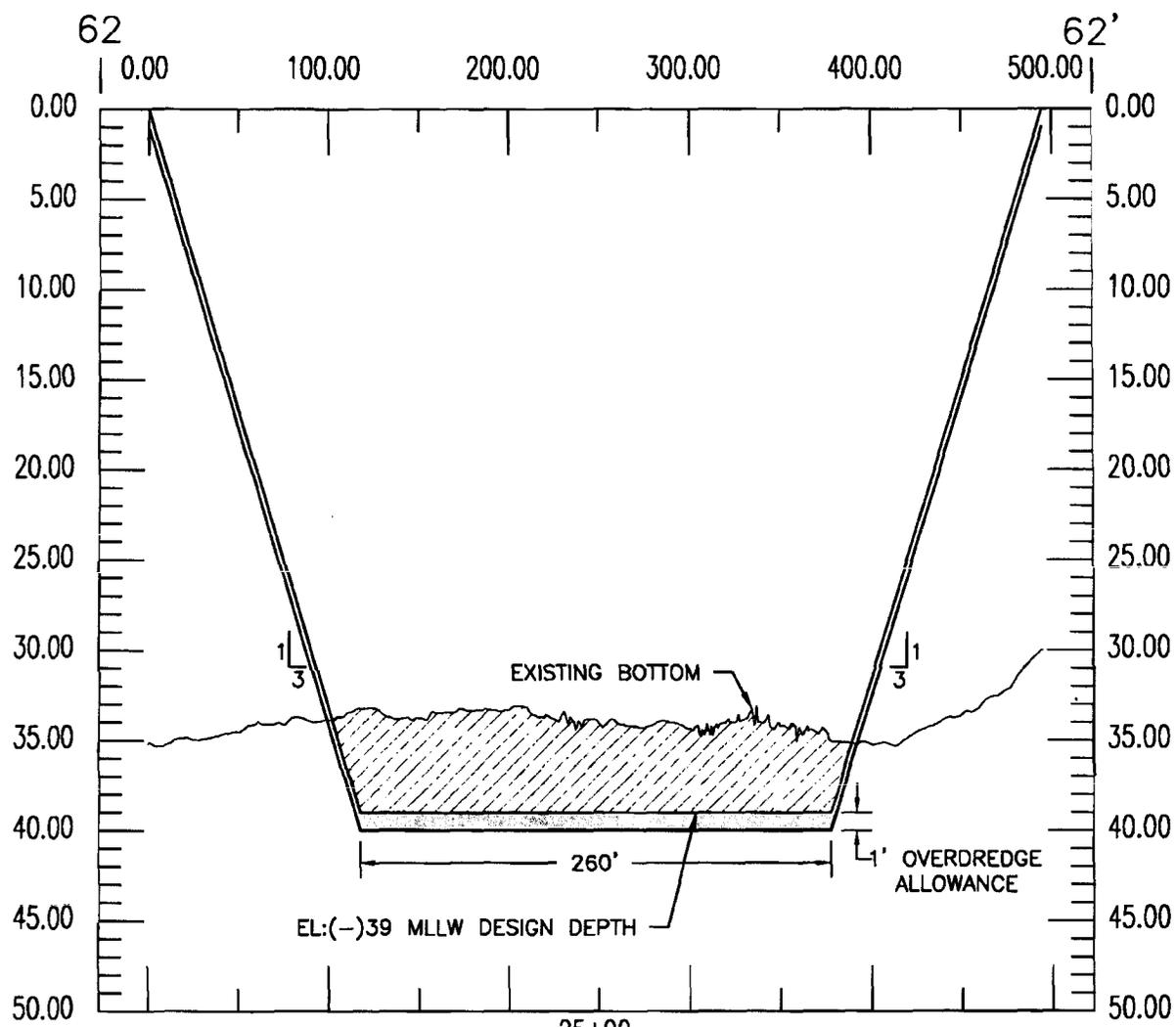
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1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

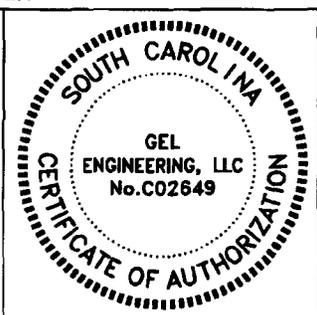
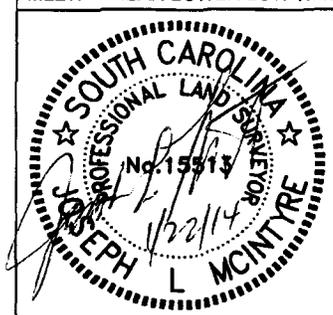
AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
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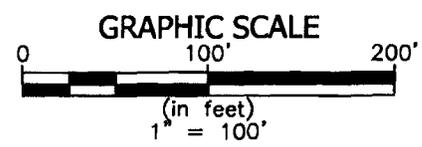


MLLW = MEAN LOWER LOW WATER

25+00



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FIGURE 62

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

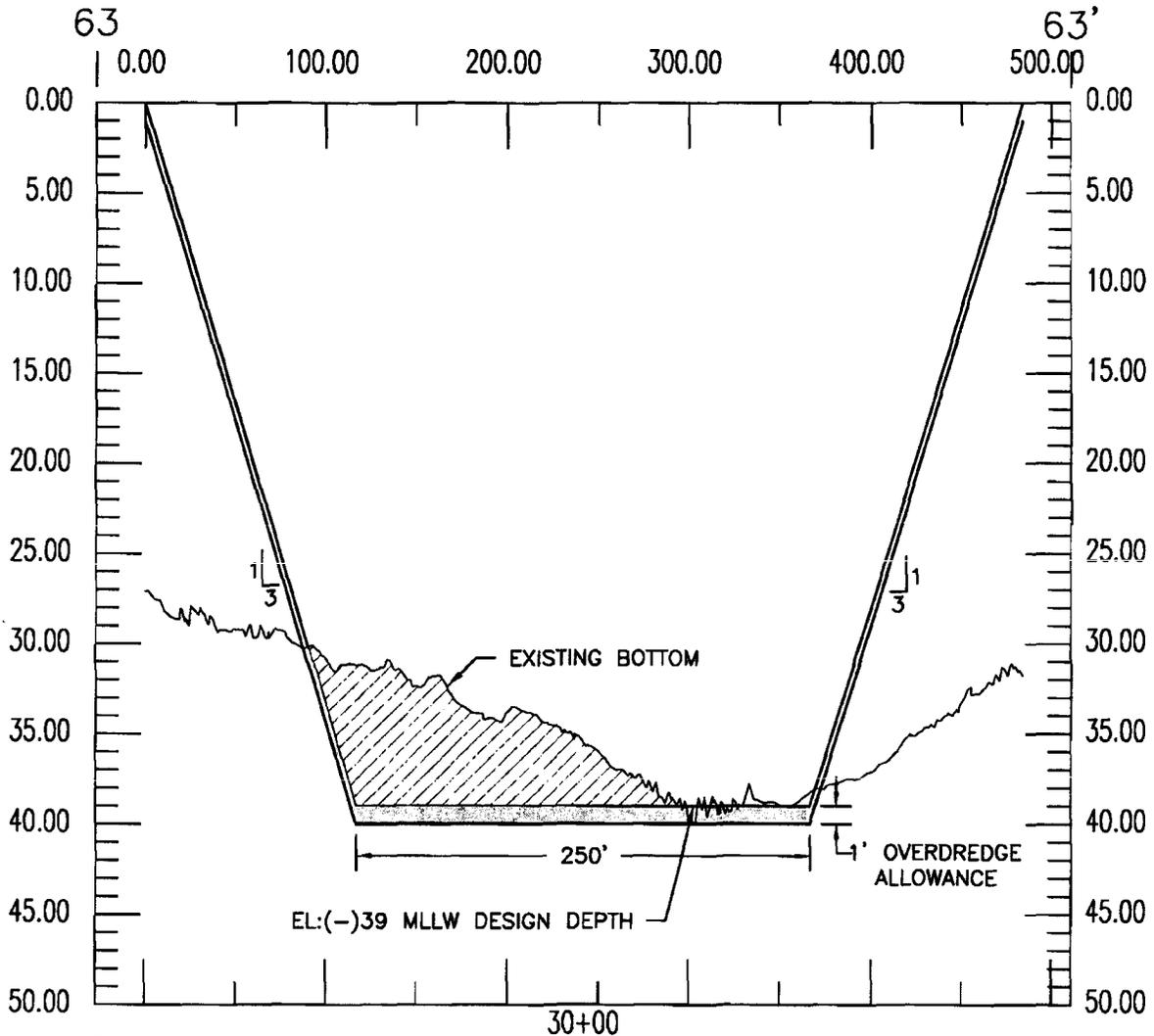
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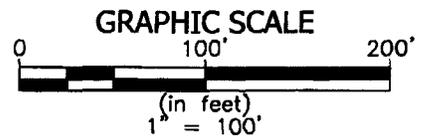
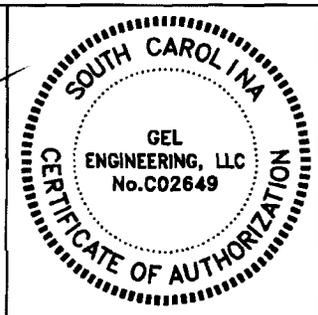
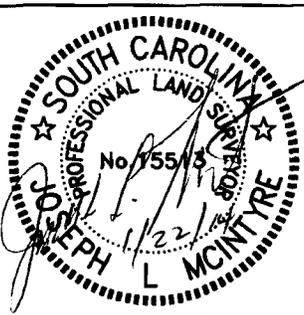
COUNTY OF: BERKELEY
SOUTH CAROLINA

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MLLW = MEAN LOWER LOW WATER



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FIGURE 63
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

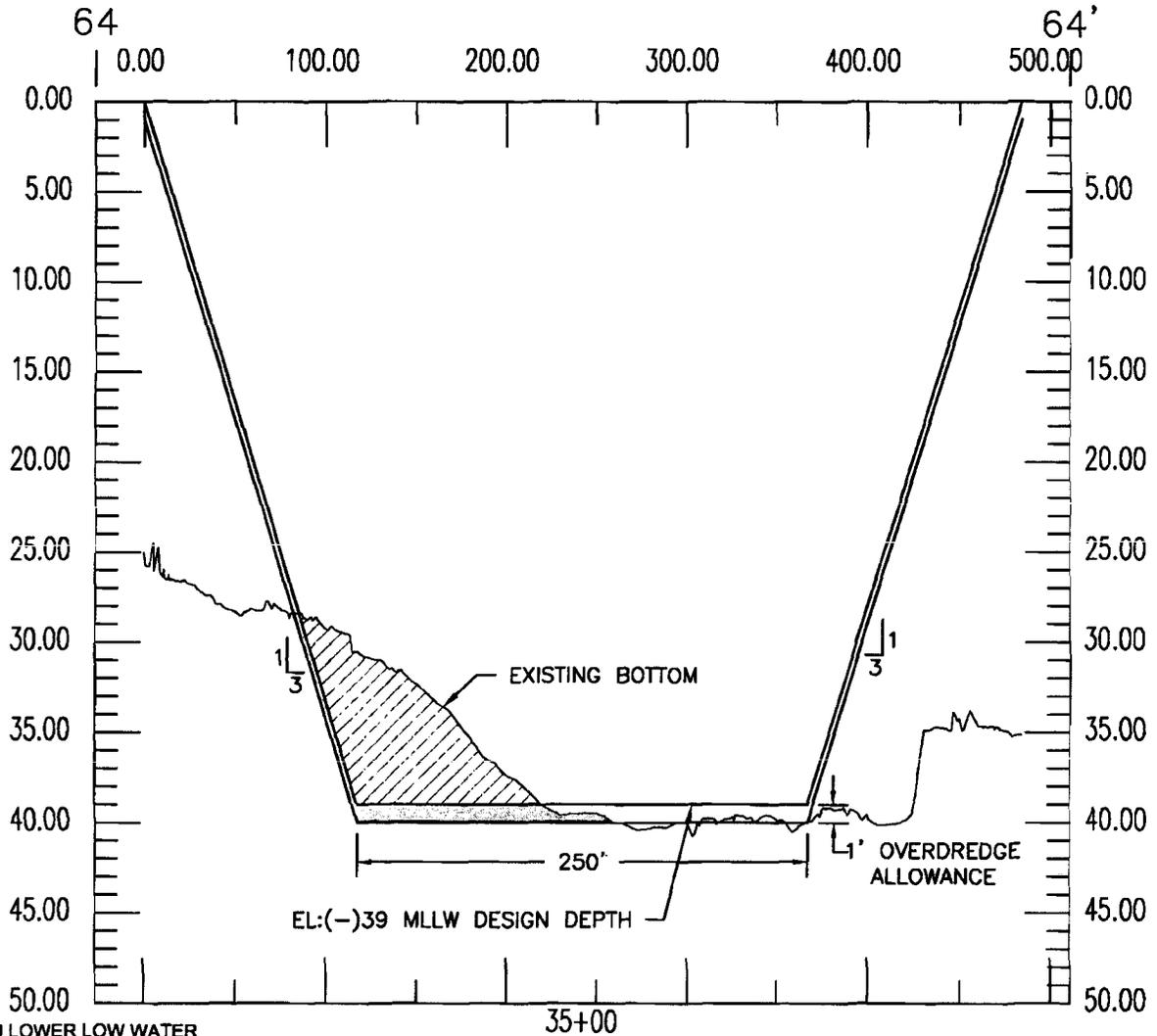
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IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

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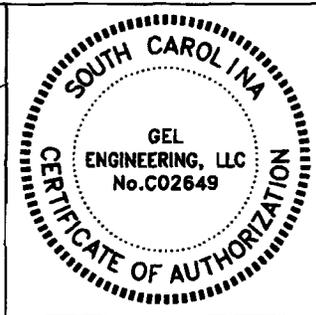
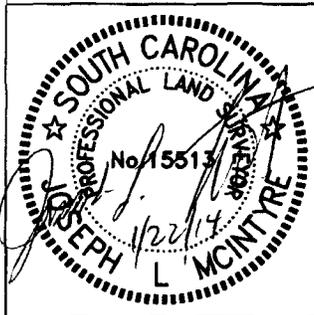
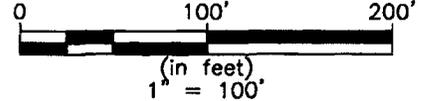
DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER

35+00

GRAPHIC SCALE



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FIGURE 64
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

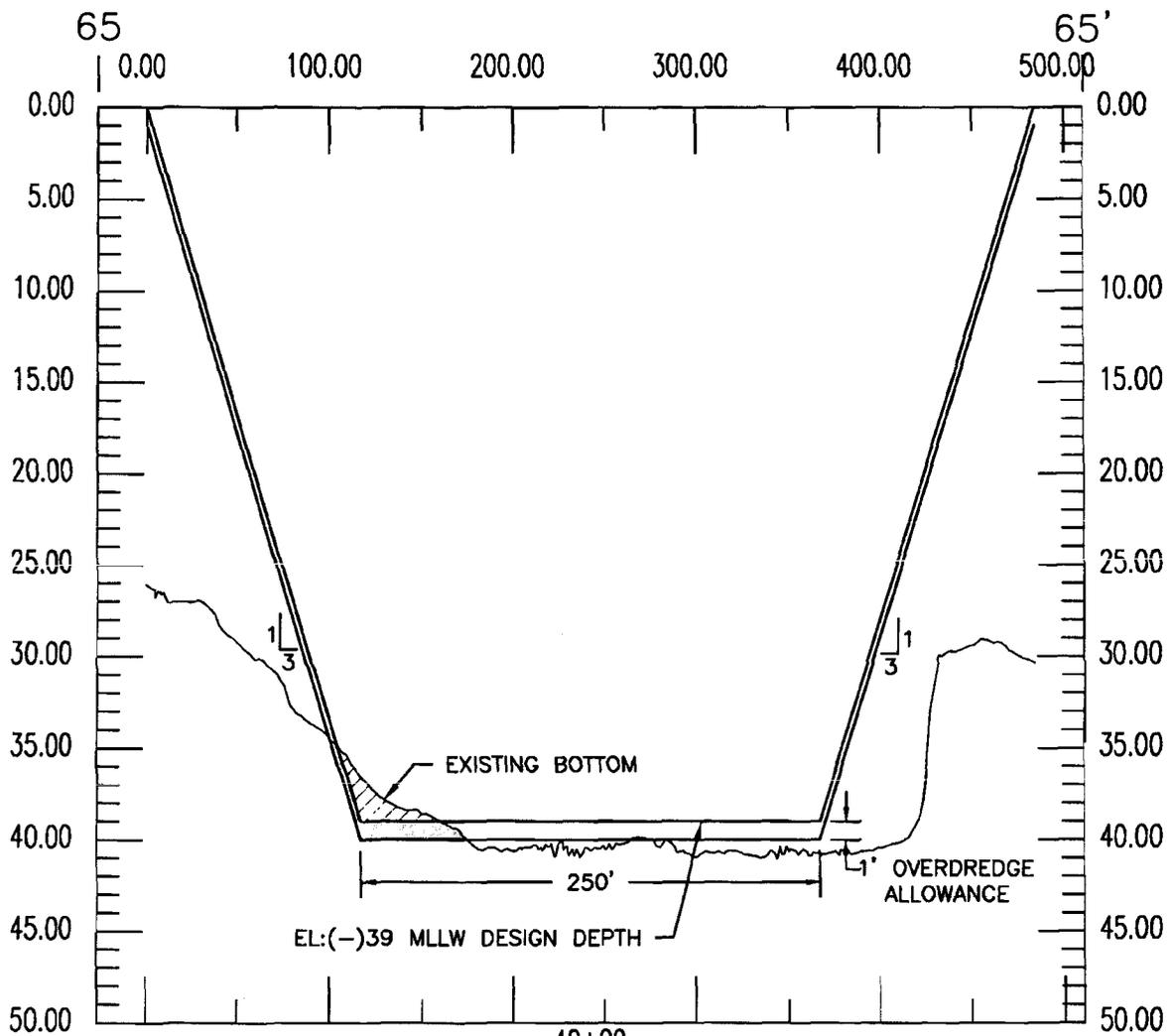
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

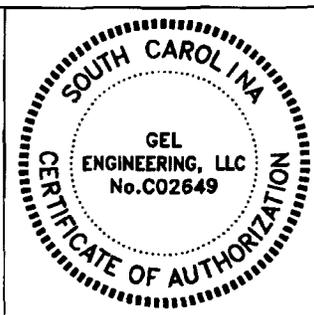
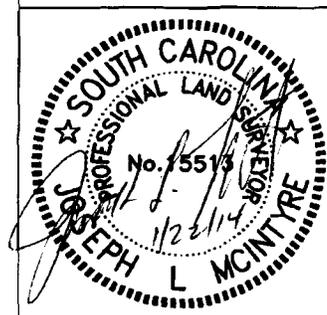
SHEET: 64 of 86

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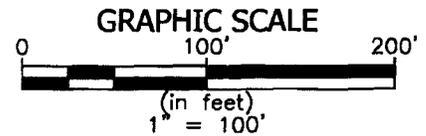


MLLW = MEAN LOWER LOW WATER

40+00



NOTE:
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WETLANDS FILL
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COOPER RIVER CHANNEL DREDGING

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FIGURE 65
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

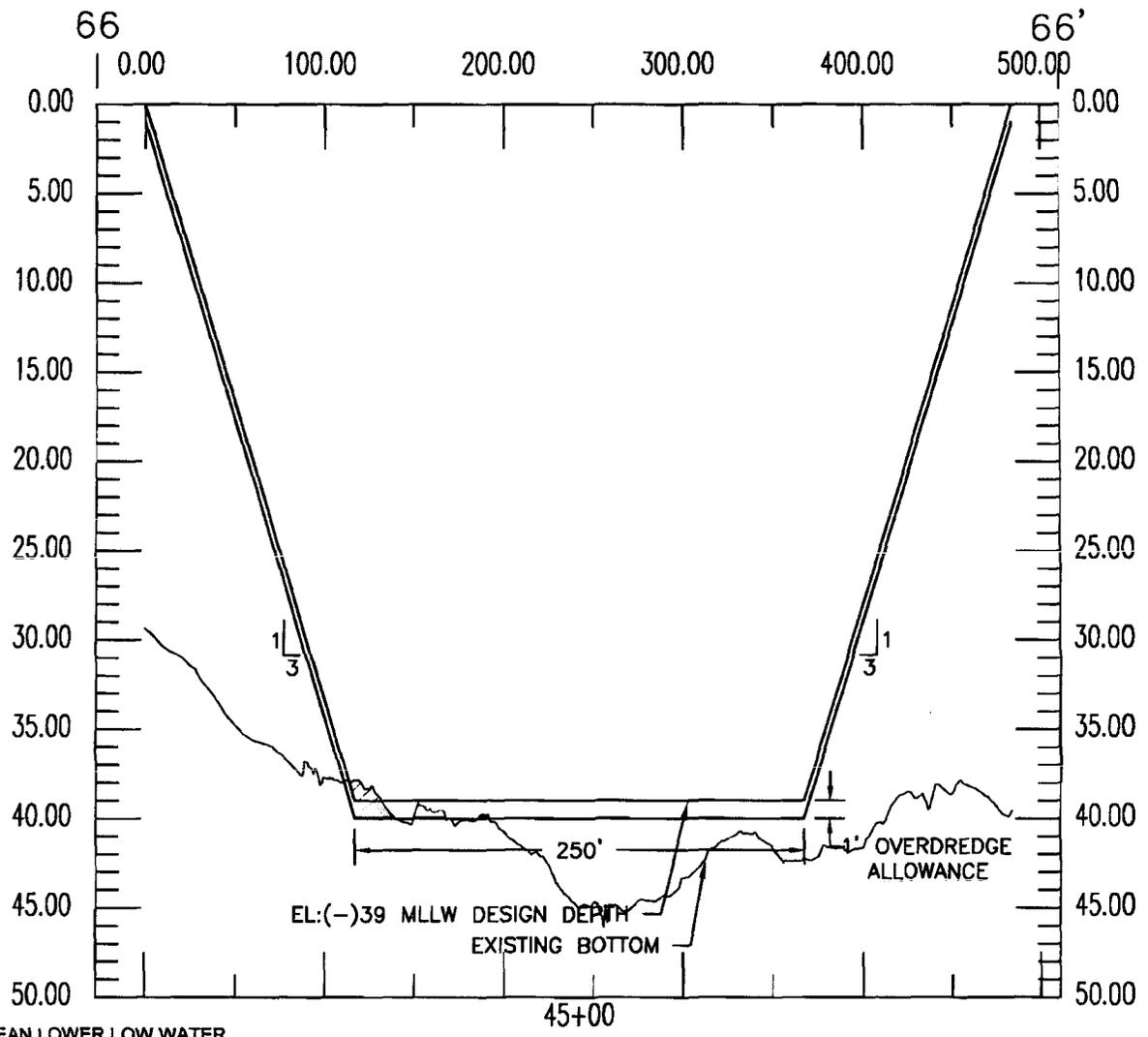
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IN: COOPER RIVER

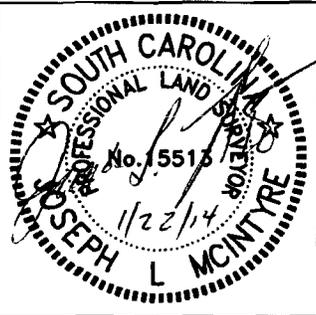
COUNTY OF: BERKELEY
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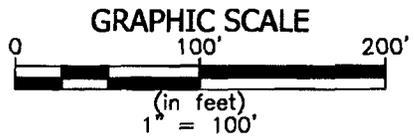
DATE: 1/10/14



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COOPER RIVER CHANNEL DREDGING

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FIGURE 66
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

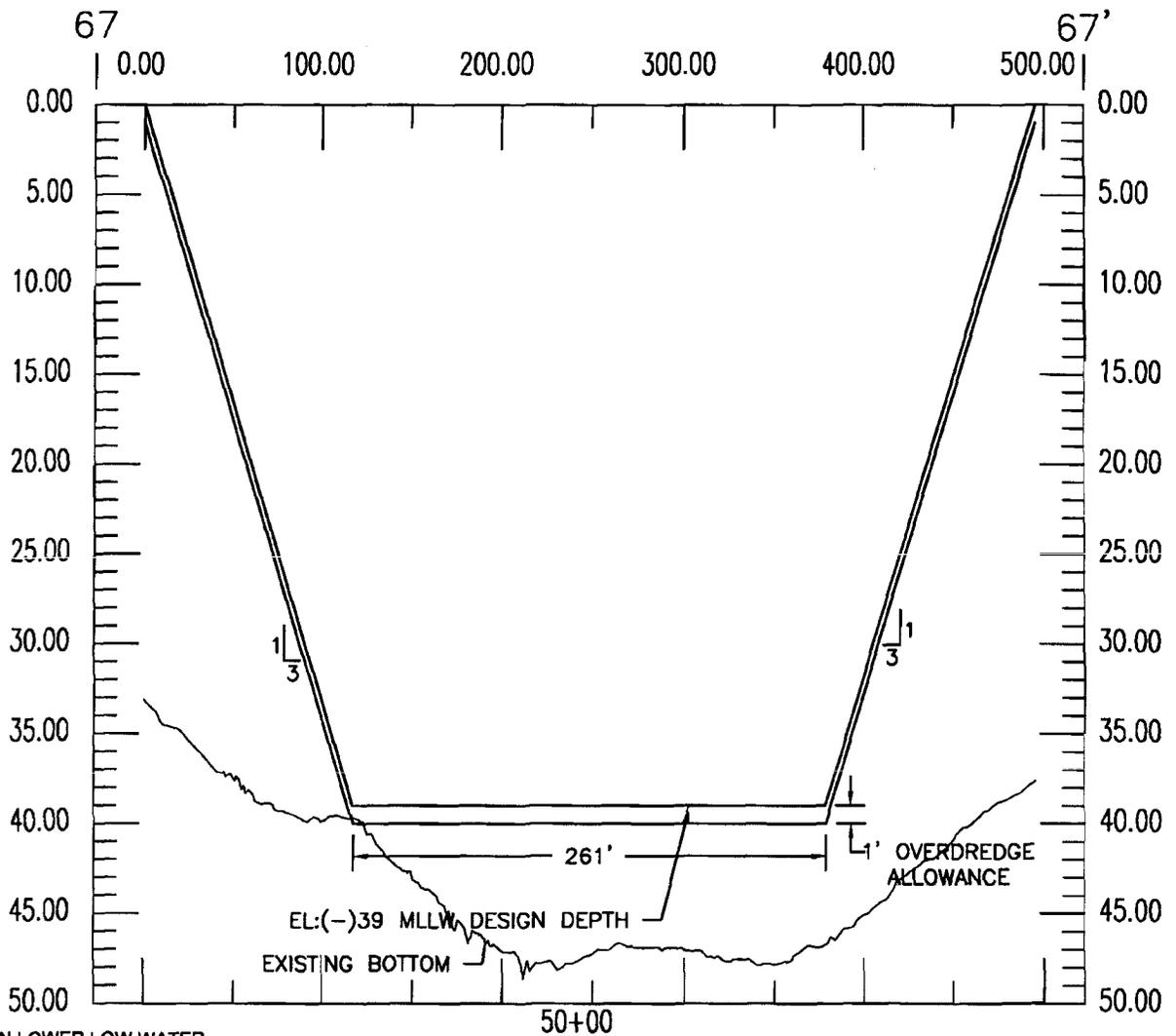
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

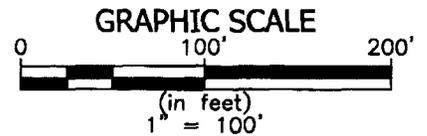
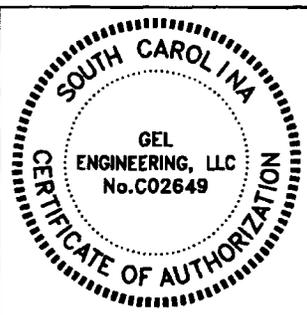
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

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MLLW = MEAN LOWER LOW WATER



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FIGURE 67

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

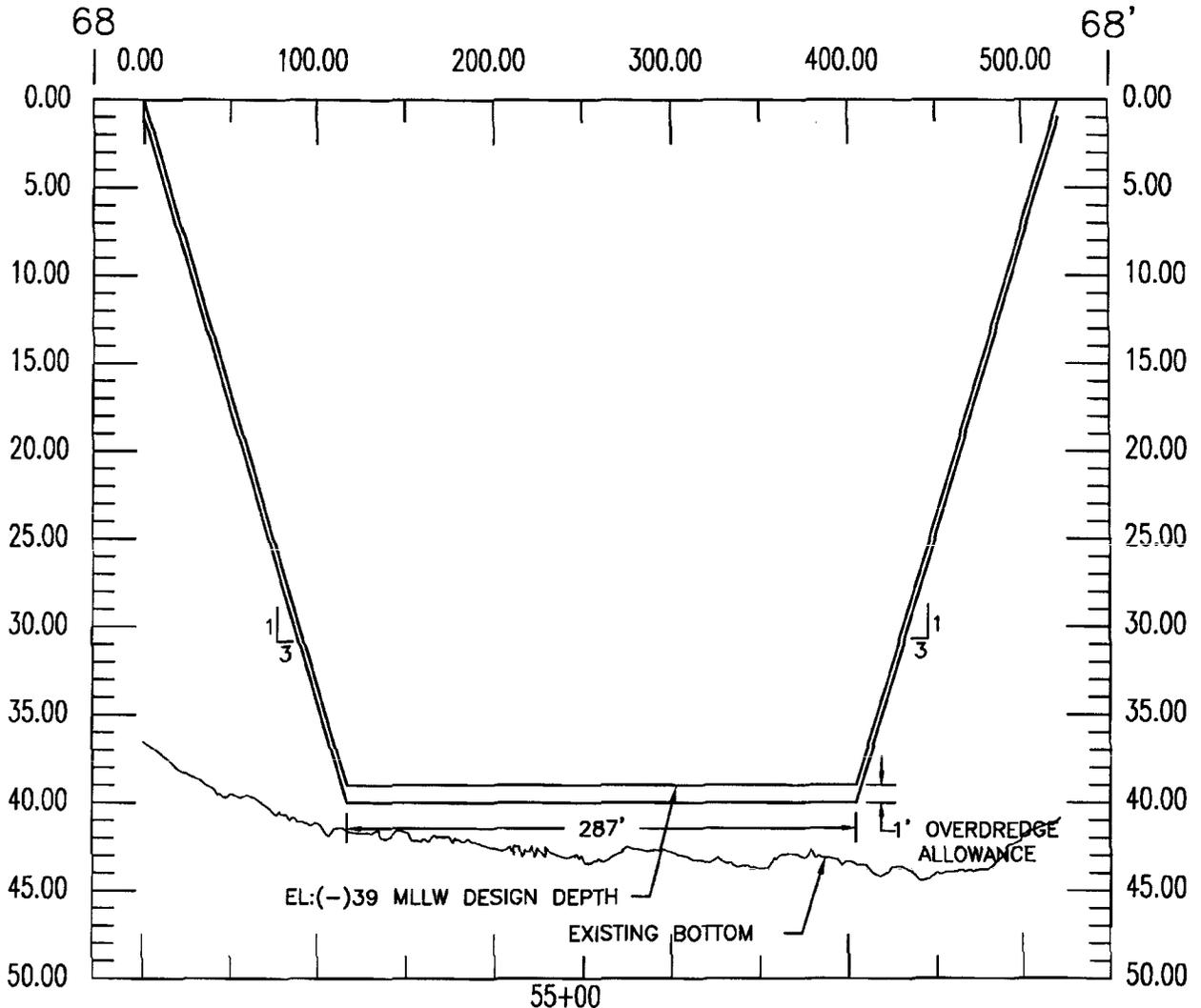
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IN: COOPER RIVER

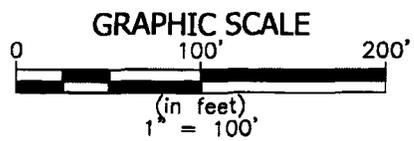
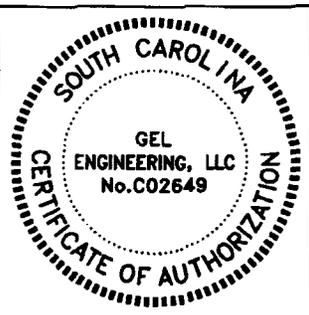
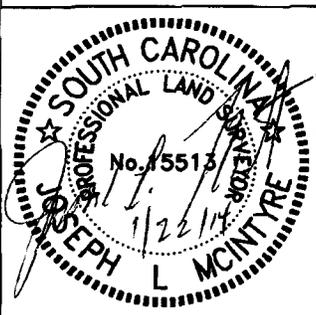
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FIGURE 68
COOPER RIVER DREDGING

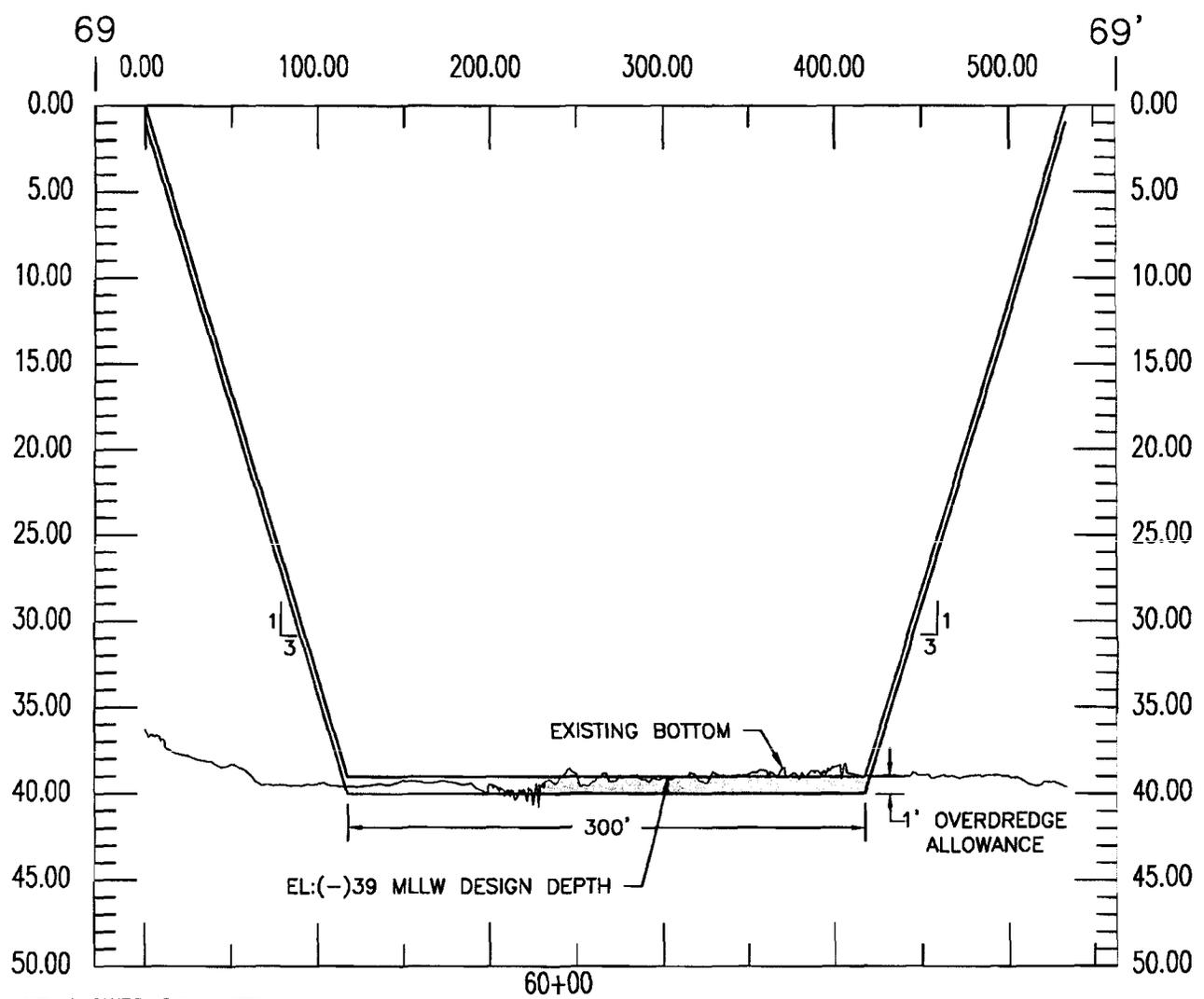
SCALE
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1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

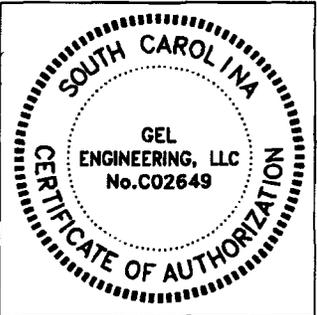
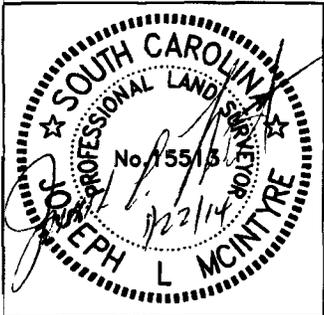
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA

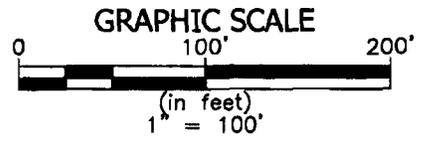
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FIGURE 69
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

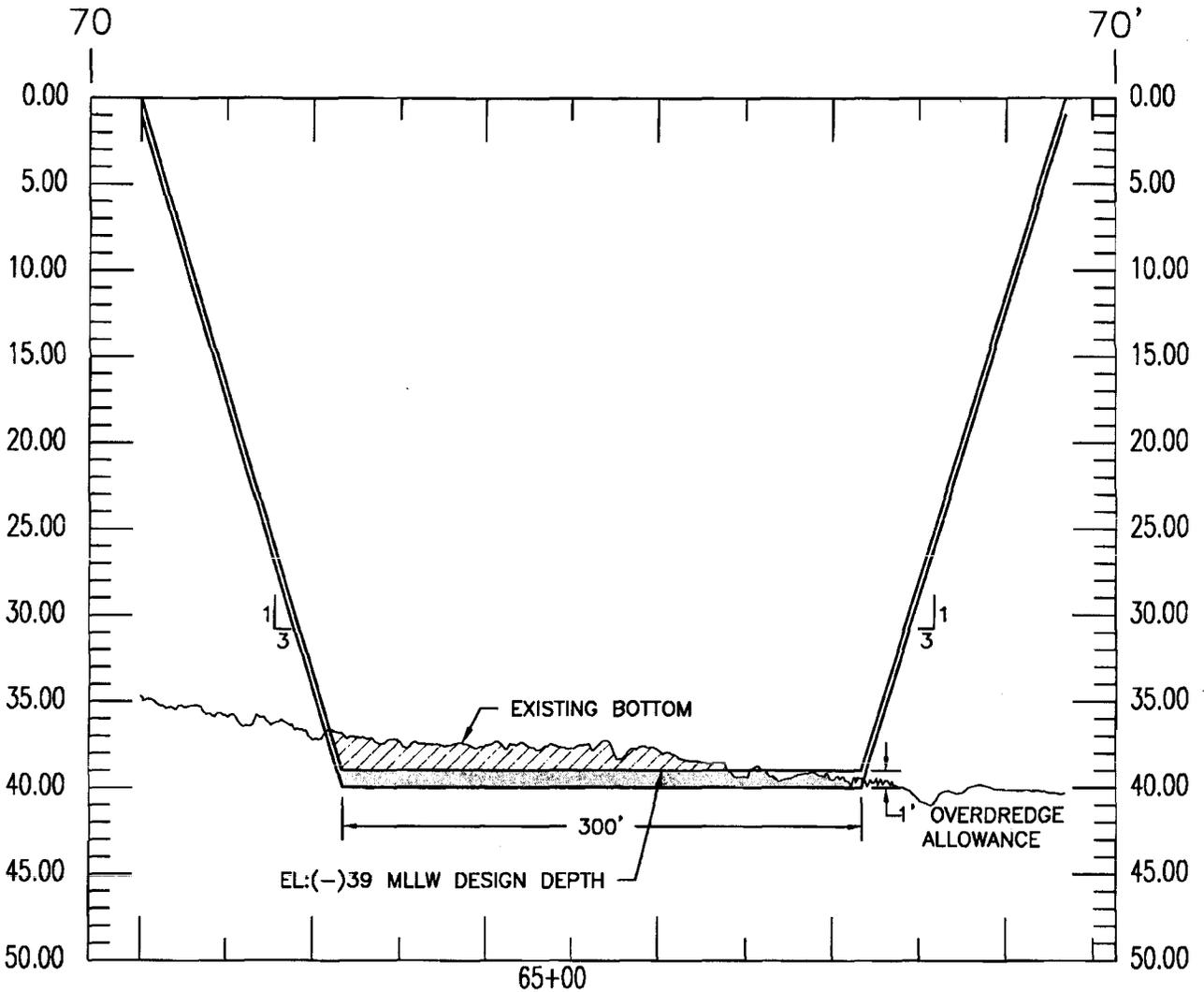
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

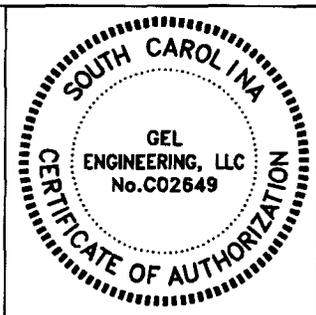
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COUNTY OF: BERKELEY
SOUTH CAROLINA

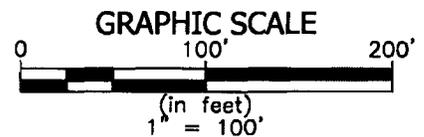
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FIGURE 70
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

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MARINE TERMINAL
CHANNEL DREDGING

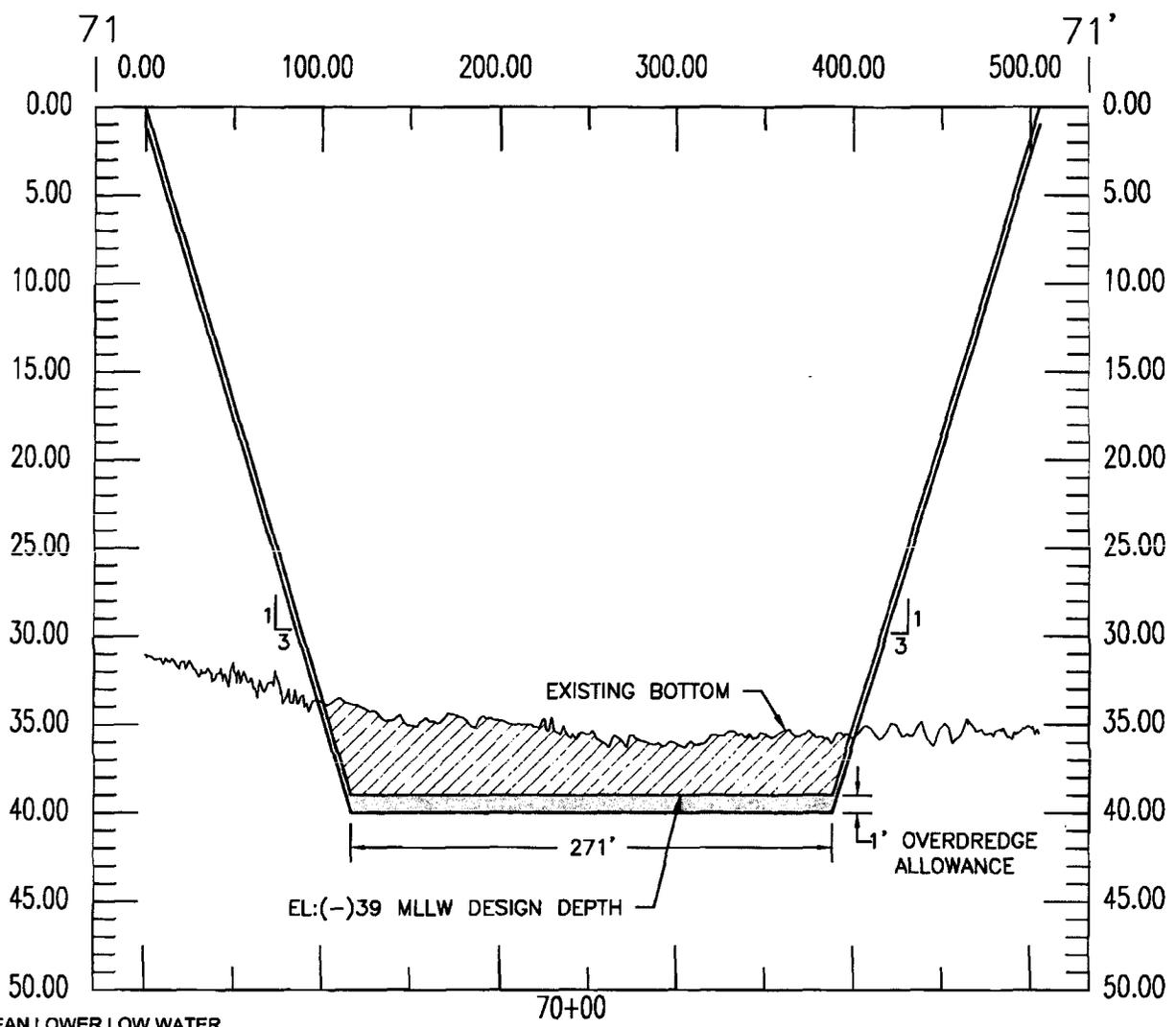
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

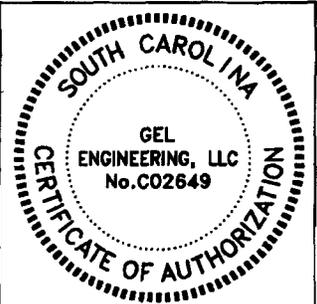
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 70 of 86

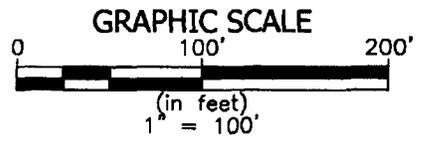
DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 71
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

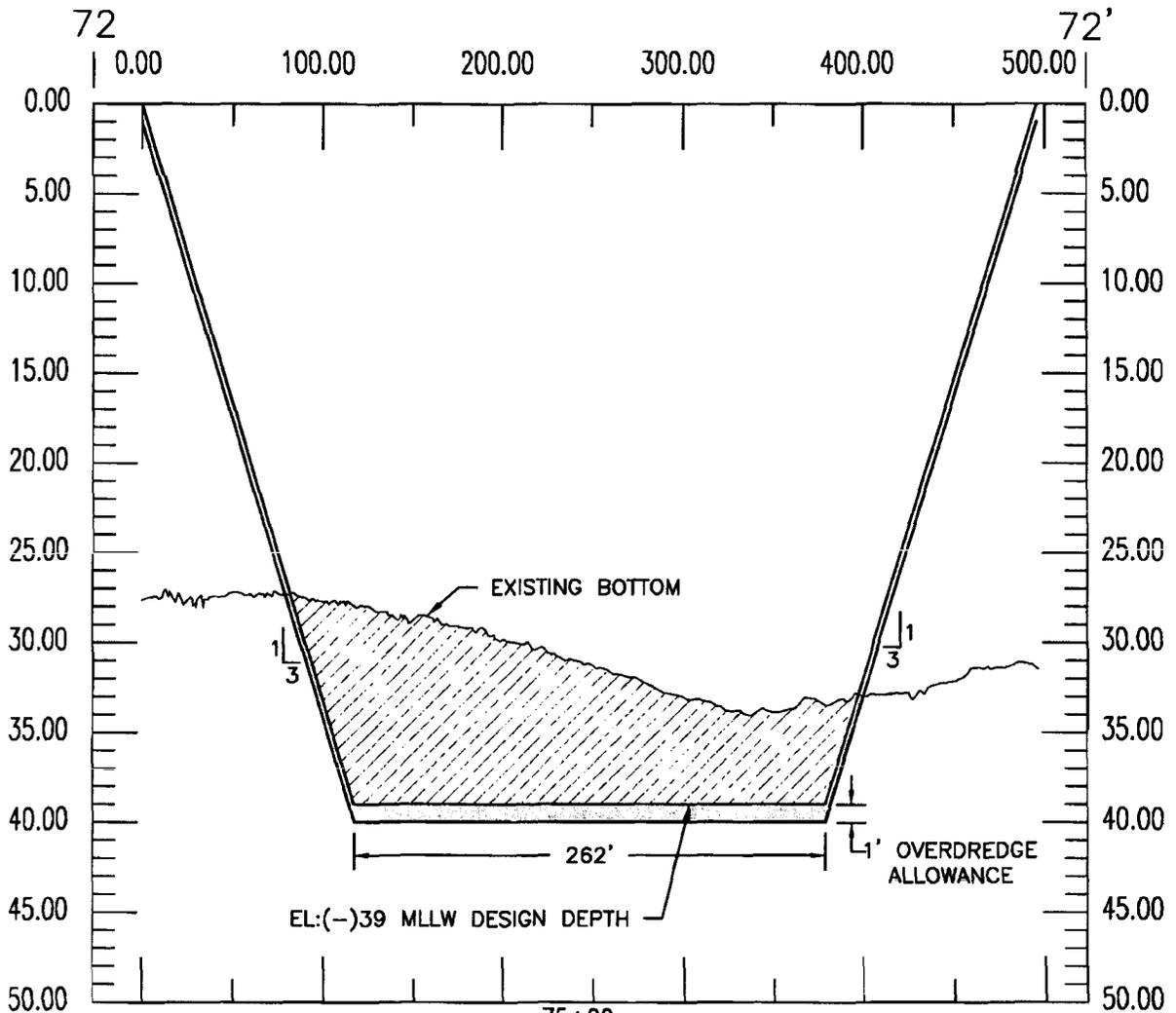
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

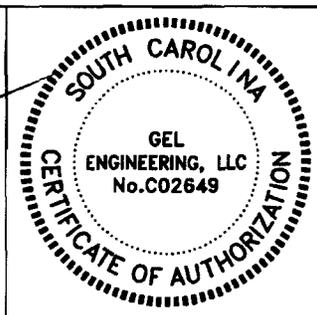
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 71 of 86 DATE: 1/10/14

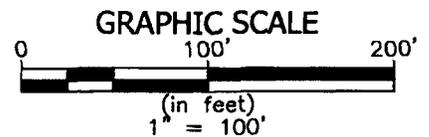


MLLW = MEAN LOWER LOW WATER

75+00



NOTE:
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SEPT. 5, 2011



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PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
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PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 72

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

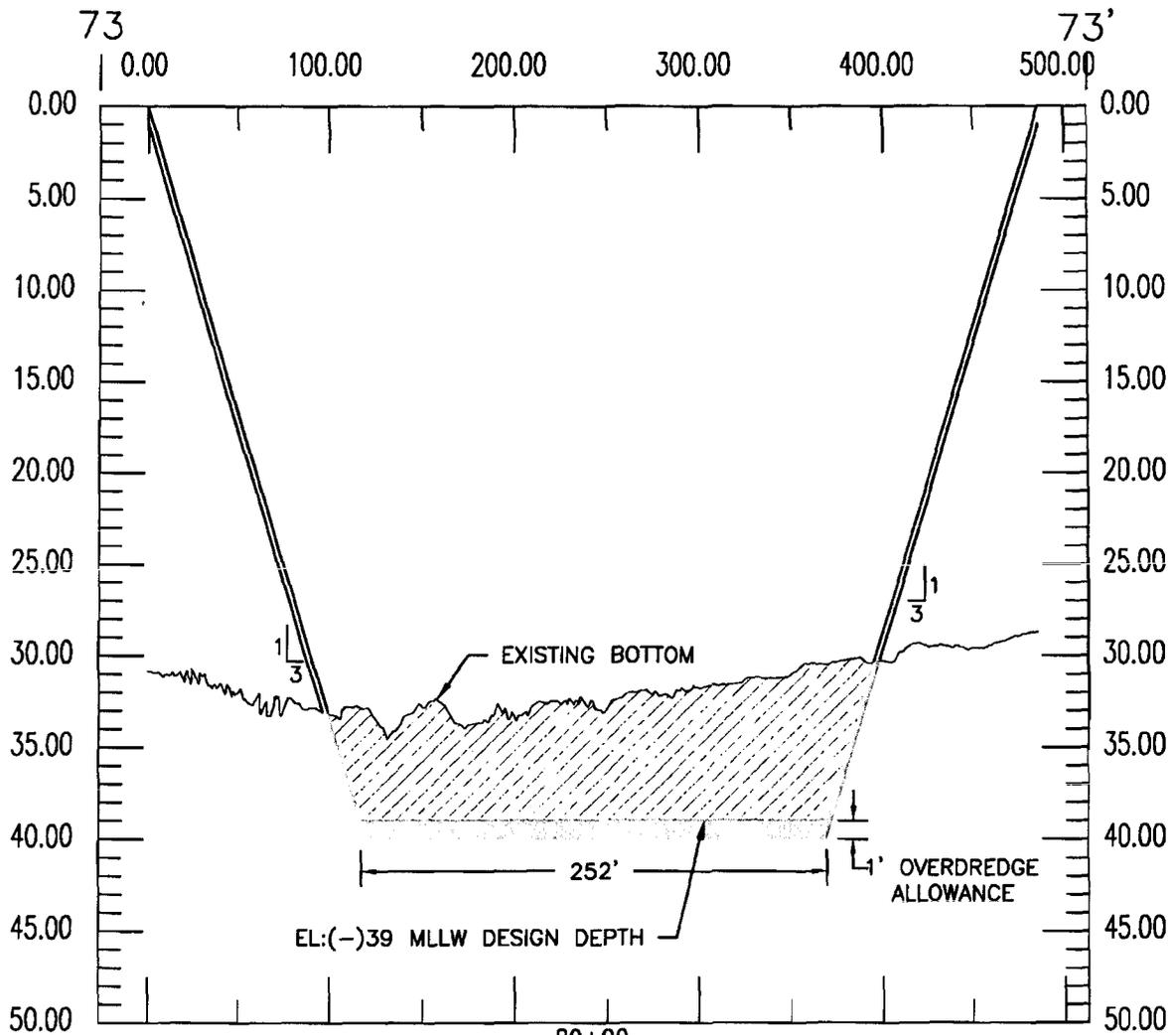
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IN: COOPER RIVER

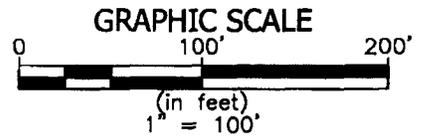
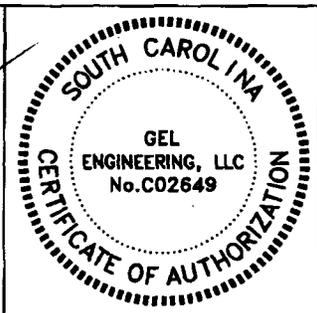
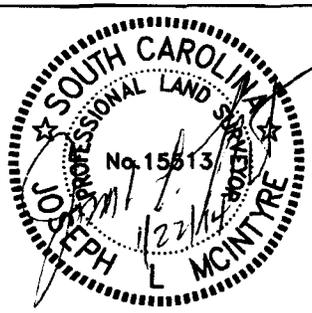
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 72 of 86

DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
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WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 73

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

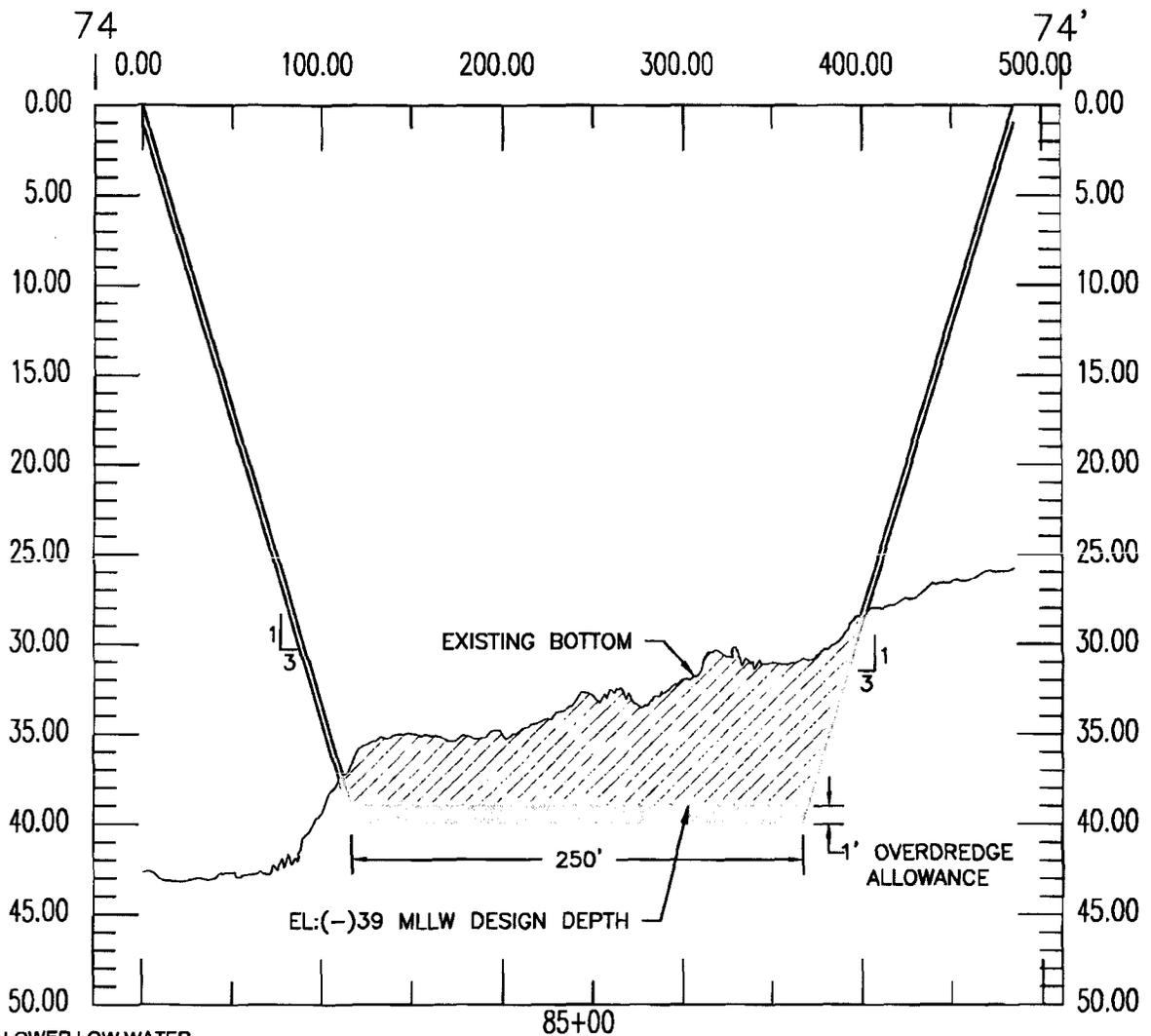
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IN: COOPER RIVER

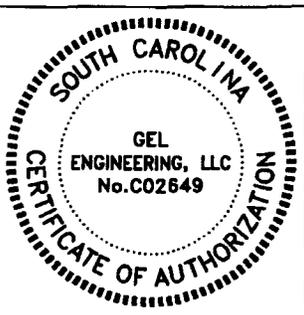
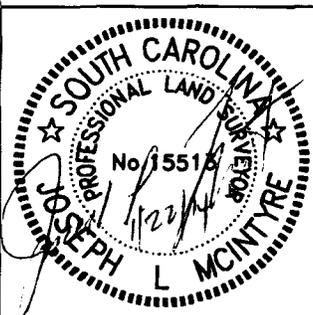
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 73 of 88

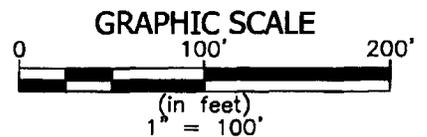
DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 74

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

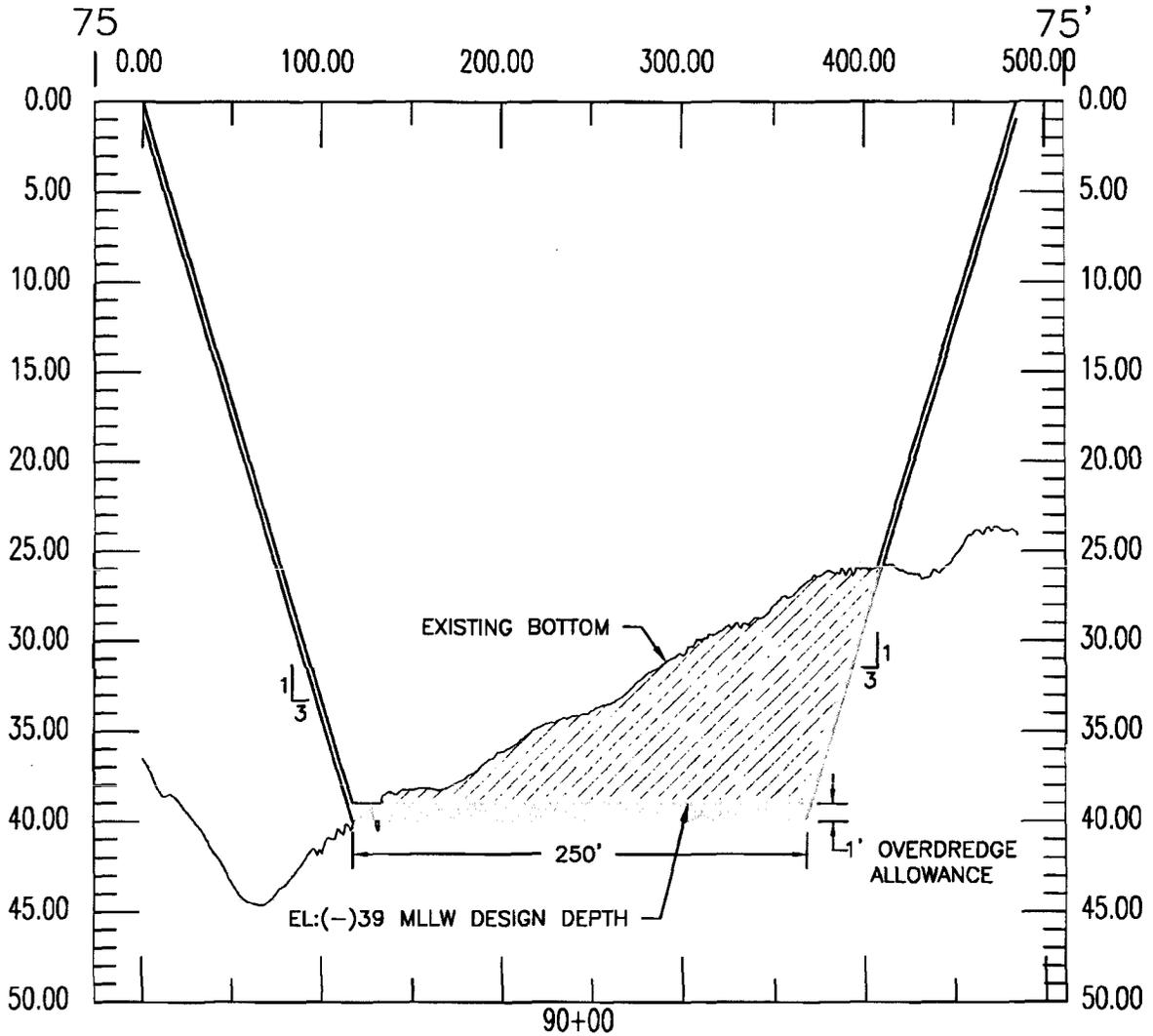
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

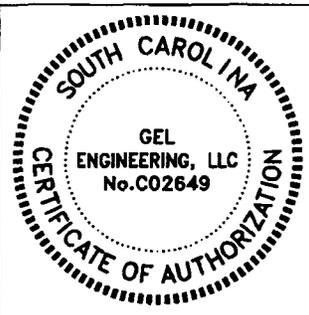
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

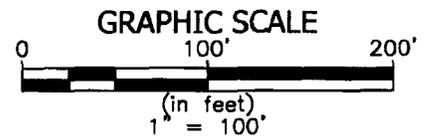
SHEET: 74 of 86 DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 75
COOPER RIVER DREDGING

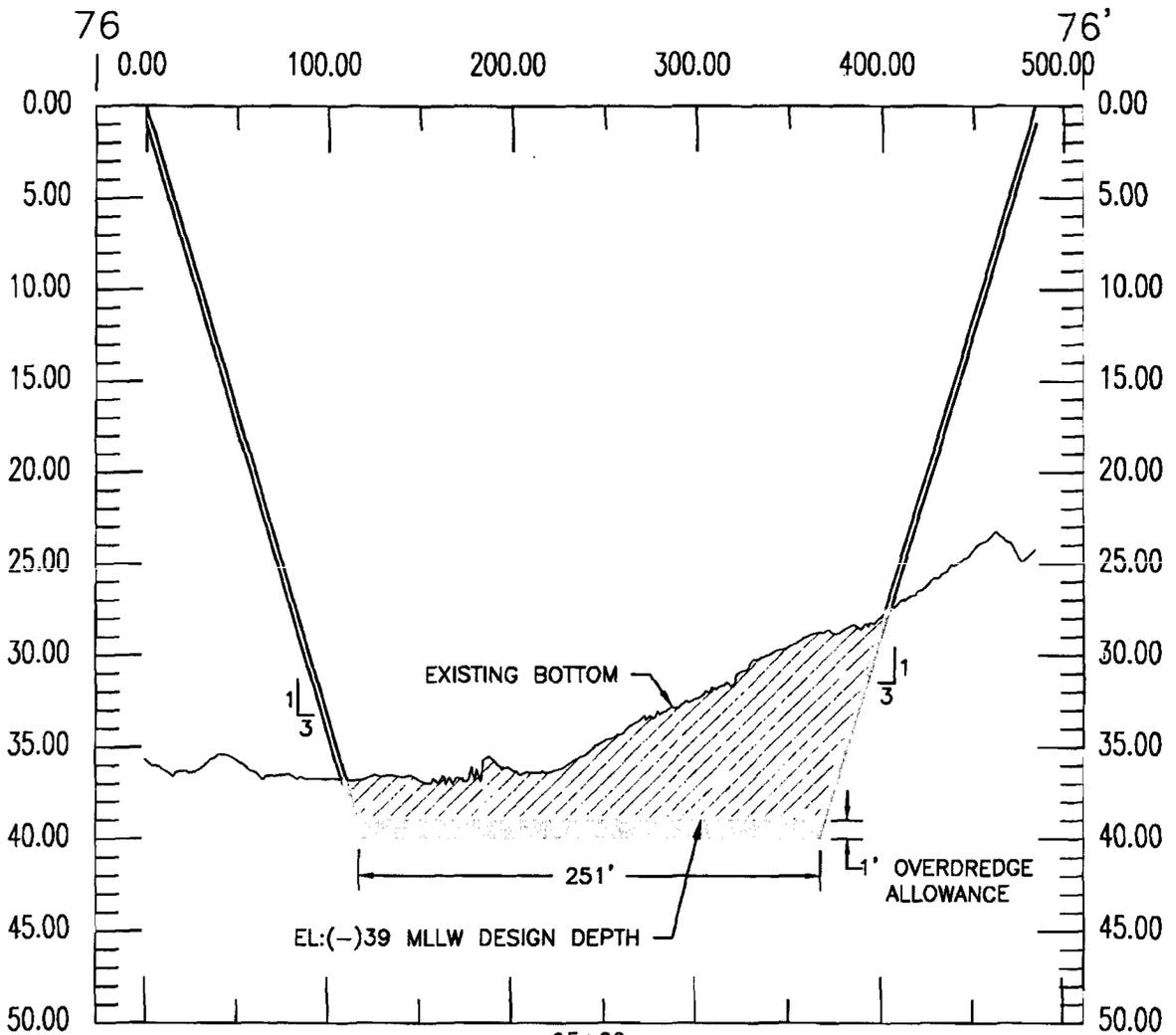
SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

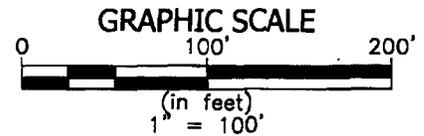
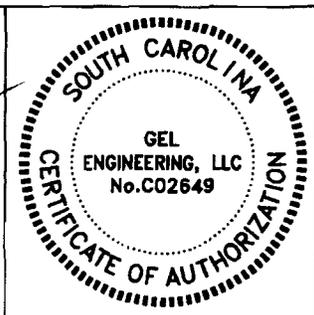
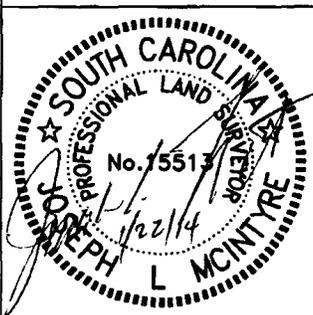
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 75 of 86 **DATE:** 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
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SEPT. 5, 2011

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PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 76
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

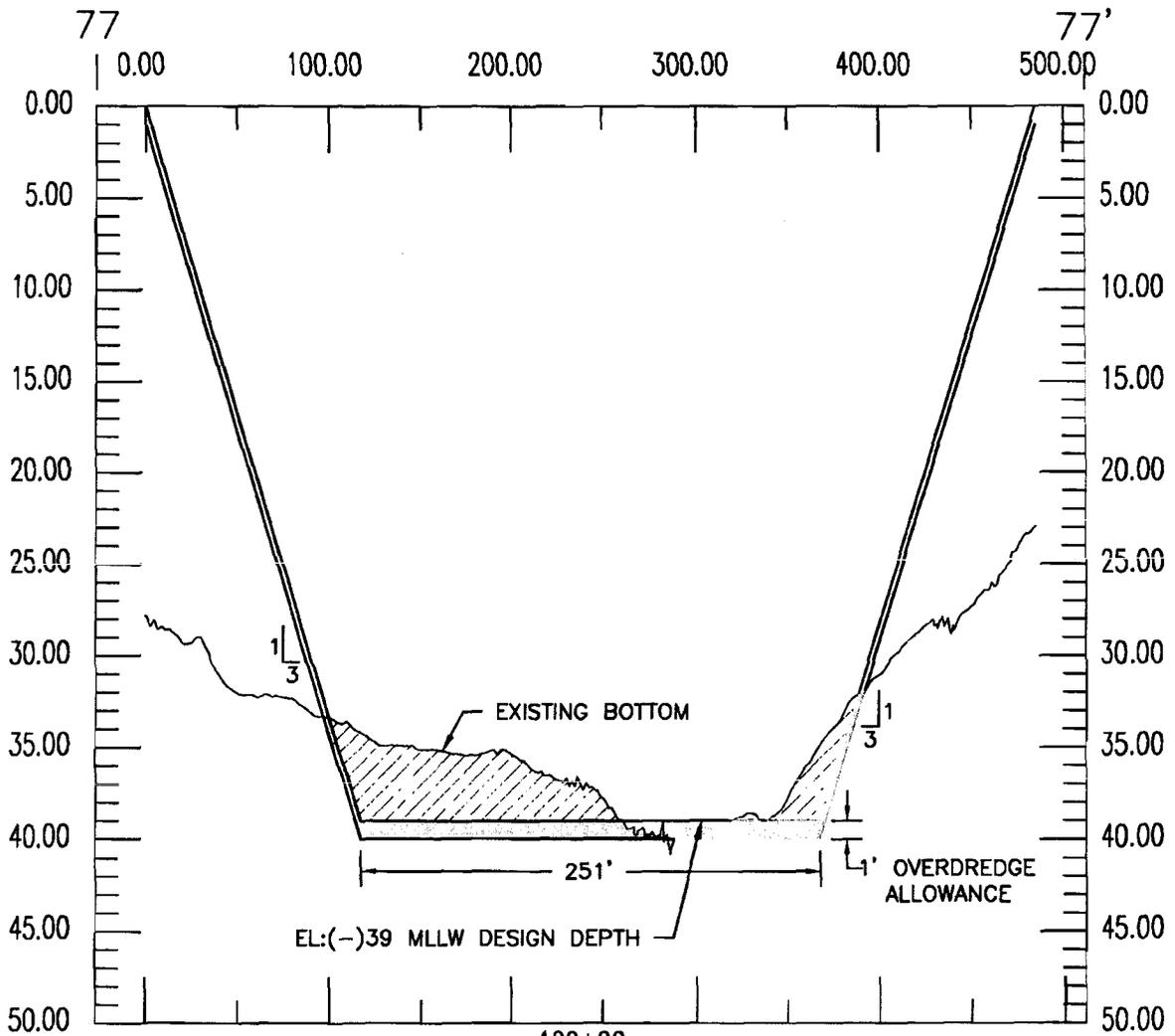
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IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

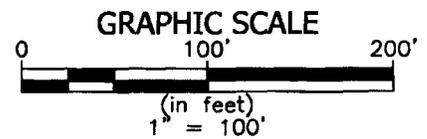
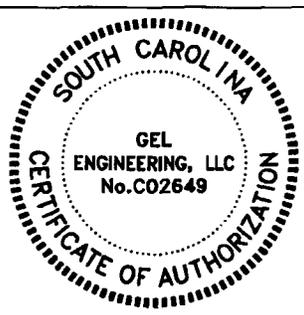
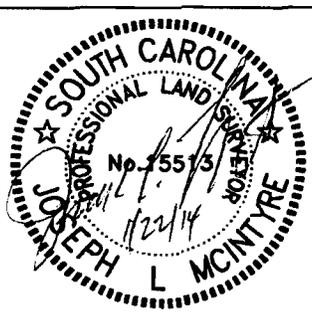
SHEET: 76 of 86

DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER

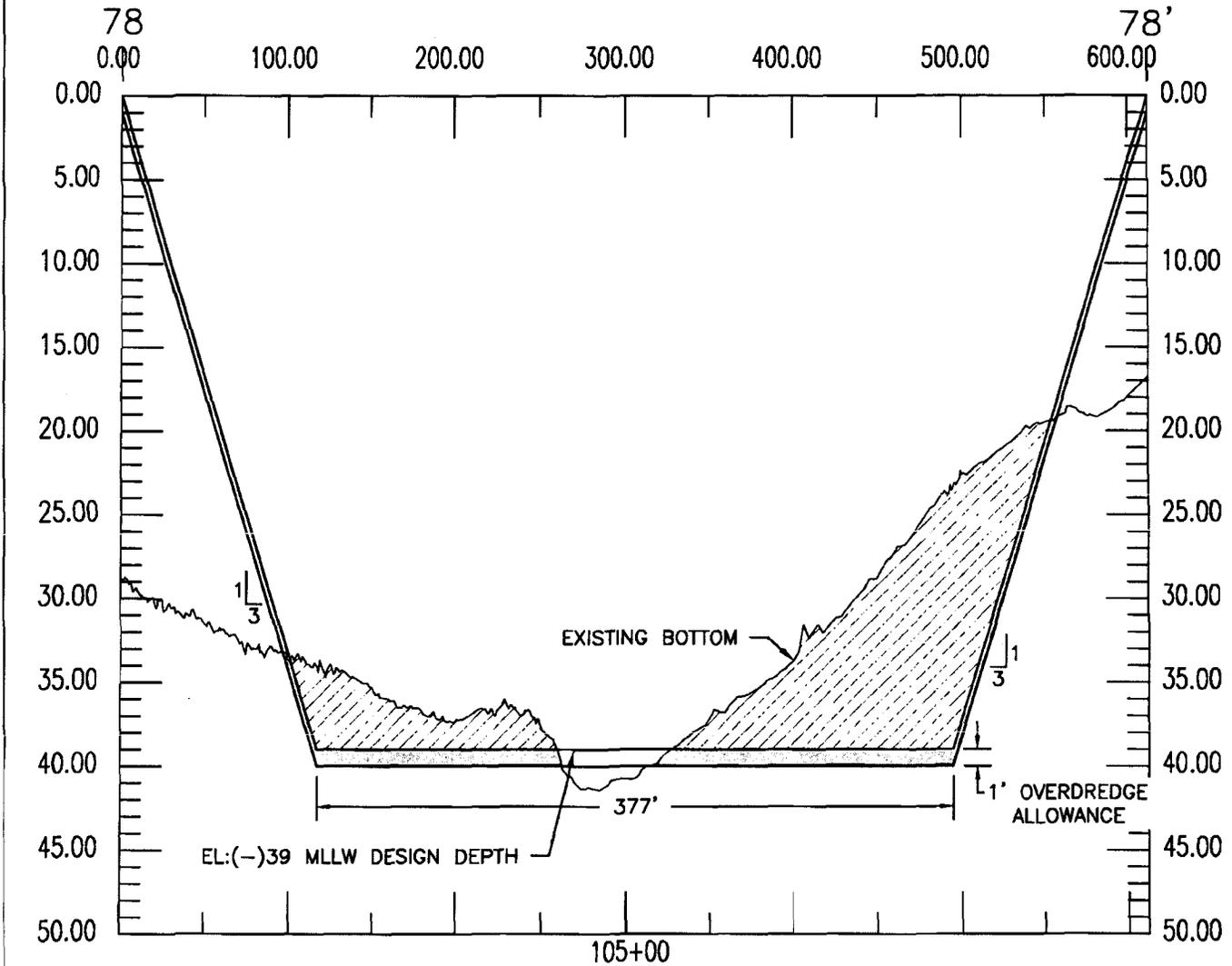
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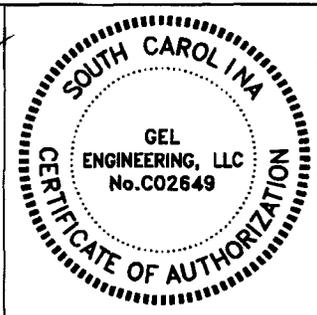
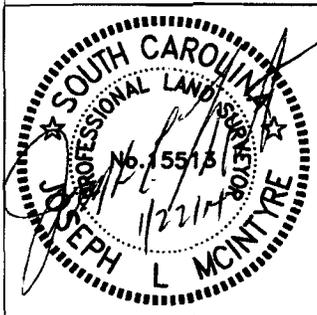
NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011

DATE	REVISION DESCRIPTION

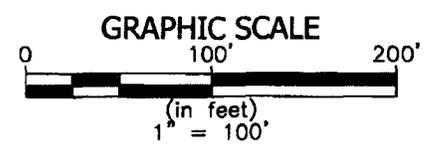
<p>PURPOSE: PROJECT STRIKER WETLANDS FILL MARINE TERMINAL FACILITY COOPER RIVER CHANNEL DREDGING</p> <p>ADJACENT PROPERTY OWNERS SEE ATTACHED: PUBLIC NOTICE MAILING LIST DATA FORM</p> <p>SURVEY DATUM: MLLW</p>	<p>FIGURE 77</p> <p>COOPER RIVER DREDGING</p> <p>SCALE 1"=100' hz 1"=10' vt</p> <p>PROJECT STRIKER BUSHY PARK INDUSTRIAL COMPLEX BERKELEY COUNTY, SOUTH CAROLINA</p>	<p>PROPOSED: WETLANDS FILL MARINE TERMINAL CHANNEL DREDGING</p> <p>AT: BUSHY PARK INDUSTRIAL COMPLEX</p> <p>IN: COOPER RIVER</p> <p>COUNTY OF: BERKELEY SOUTH CAROLINA</p> <p>SHEET: 77 of 86 DATE: 1/10/14</p>
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MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 78

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

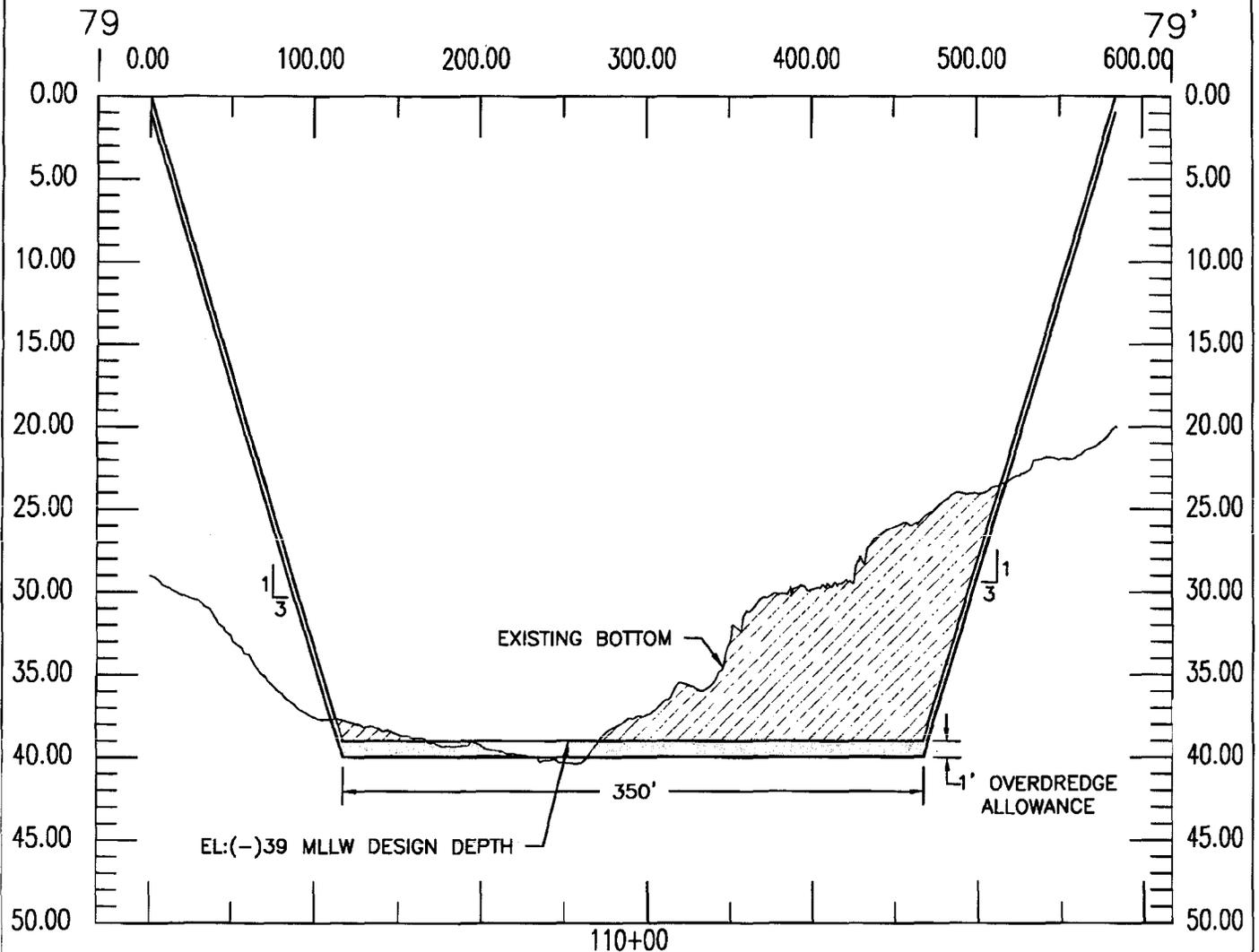
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

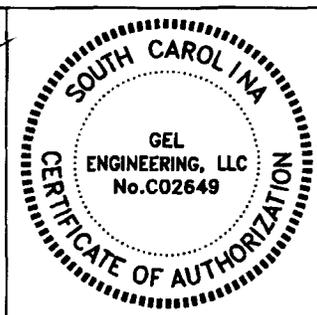
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

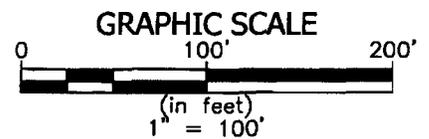
SHEET: 78 of 86 DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 79
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

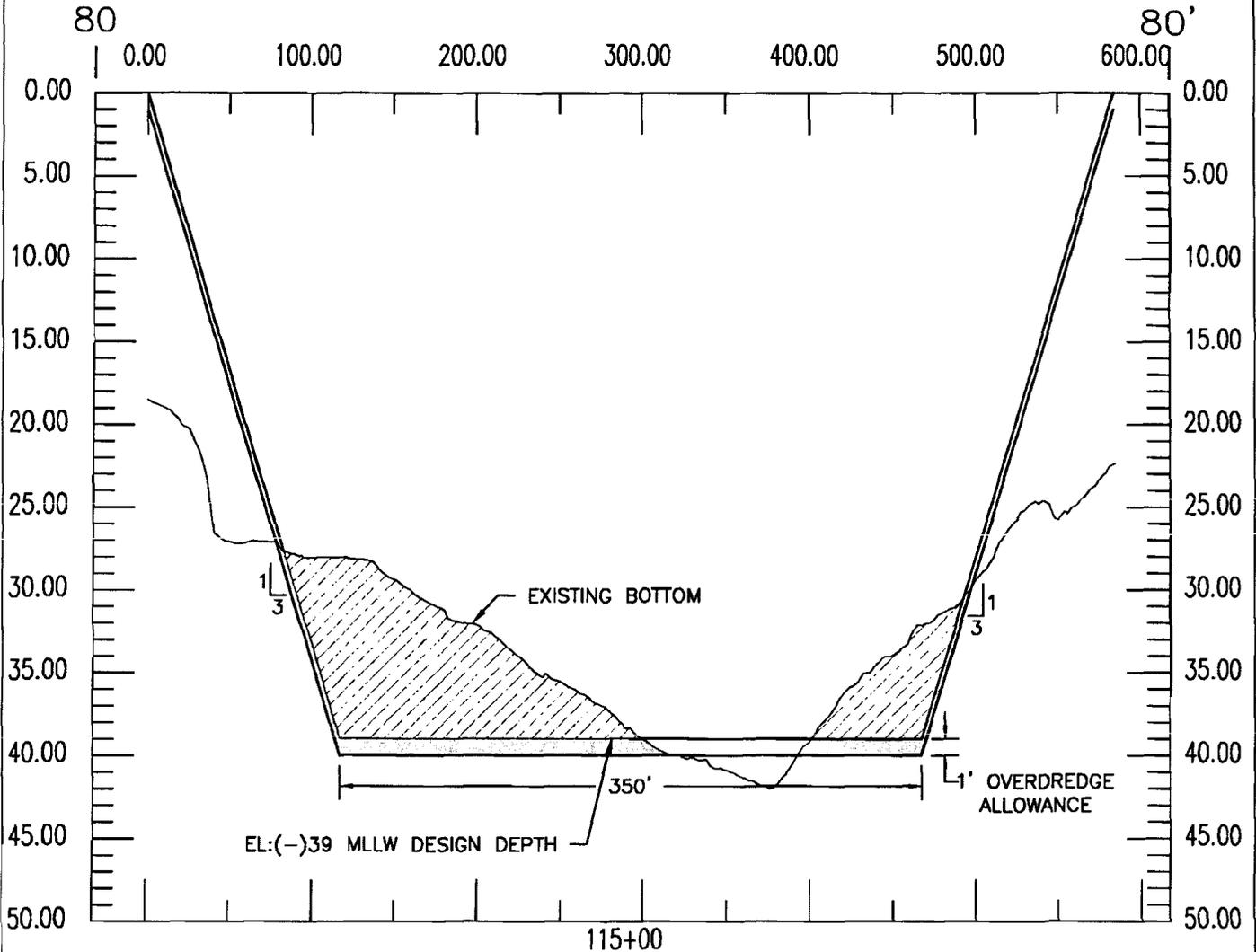
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IN: COOPER RIVER

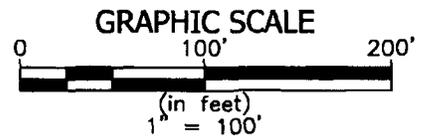
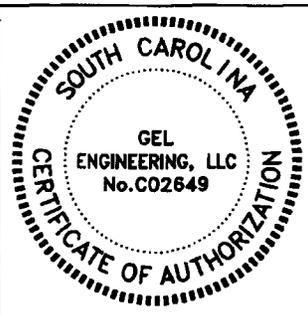
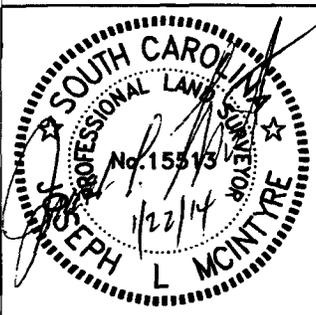
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 79 of 86

DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 80
COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

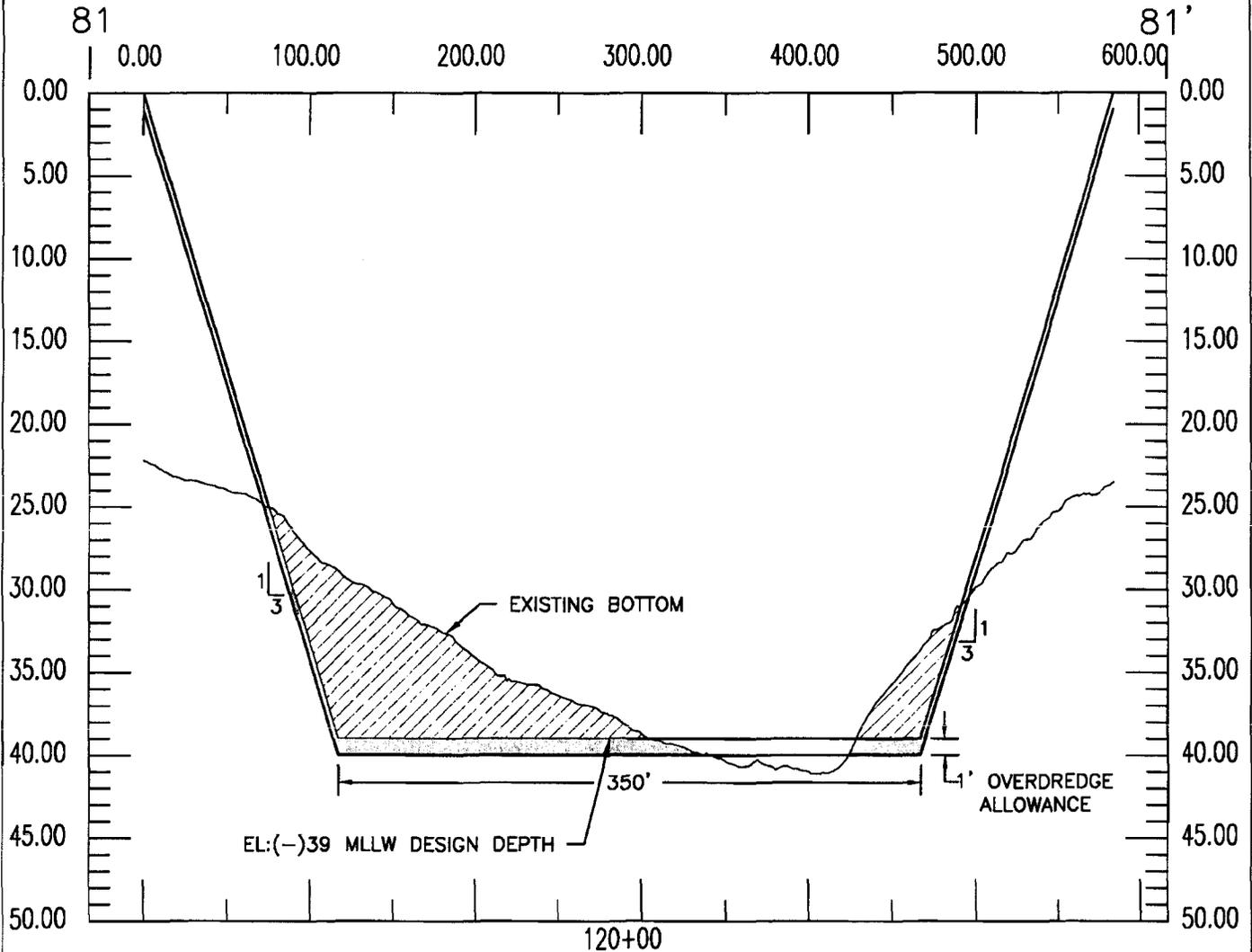
PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

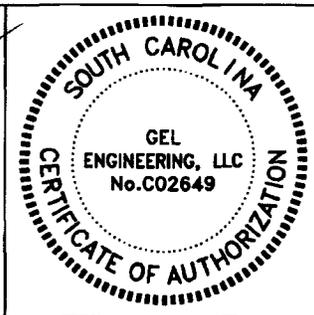
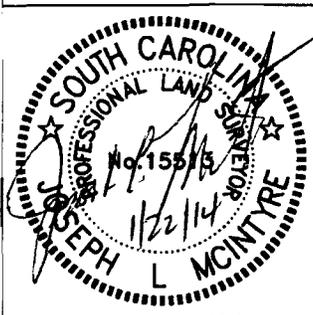
IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

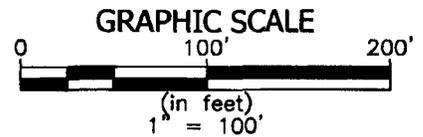
SHEET: 80 of 86 DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
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SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 81
COOPER RIVER DREDGING

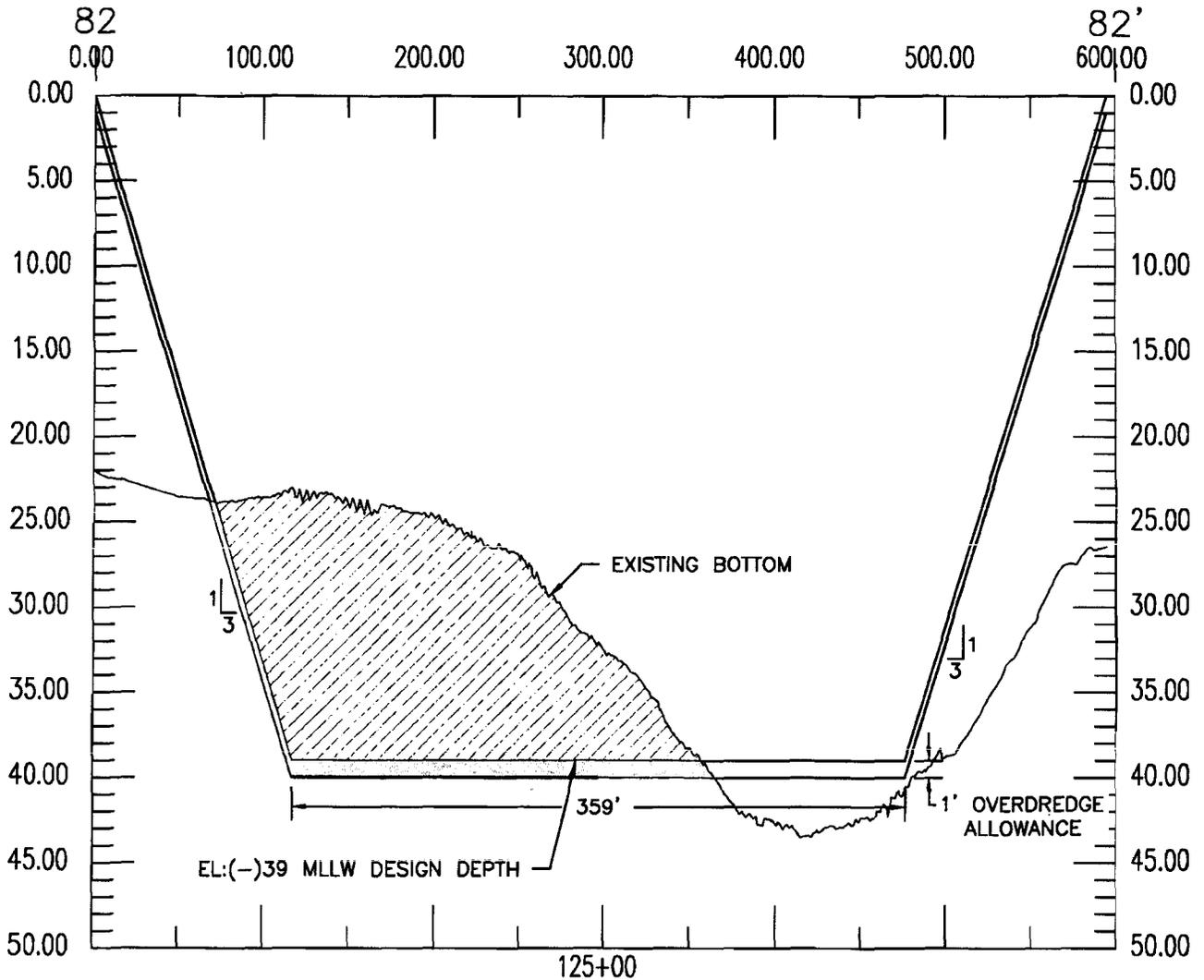
SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

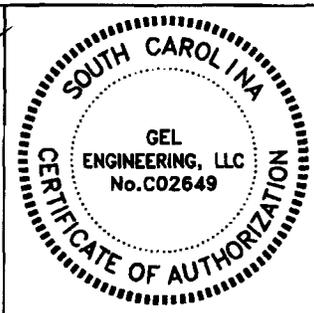
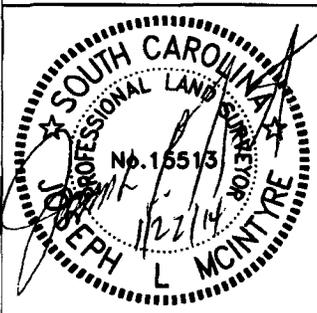
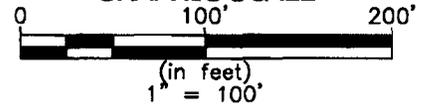
AT: BUSHY PARK INDUSTRIAL COMPLEX
IN: COOPER RIVER
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 81 of 86 DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER

GRAPHIC SCALE



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011

DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 82

COOPER RIVER DREDGING

SCALE
1"=100' hz
1"=10' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

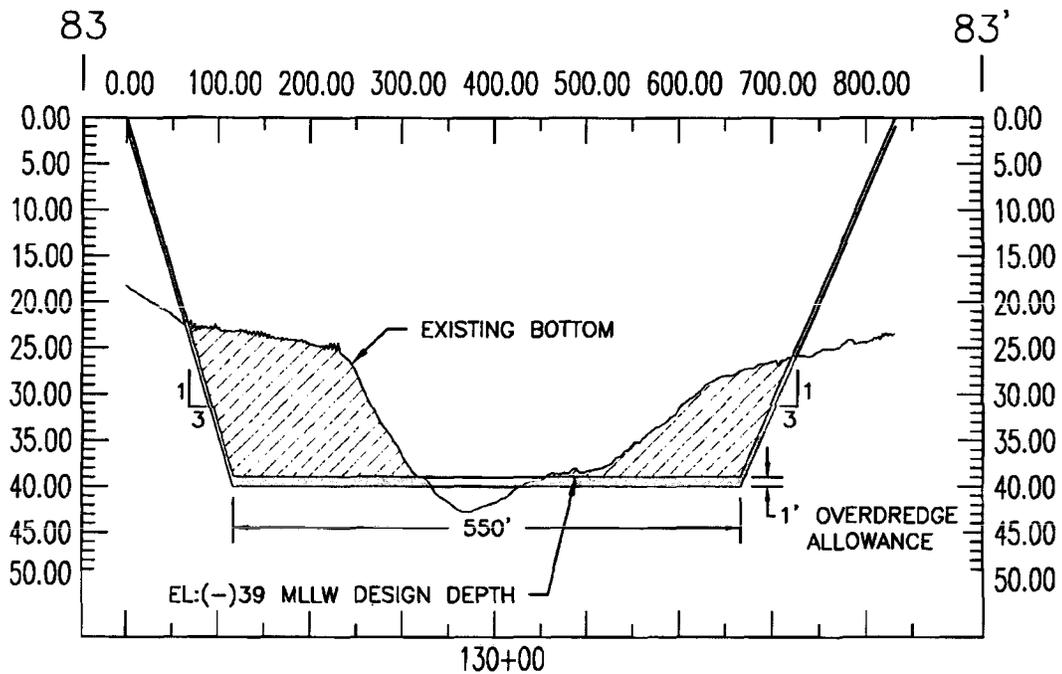
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IN: COOPER RIVER

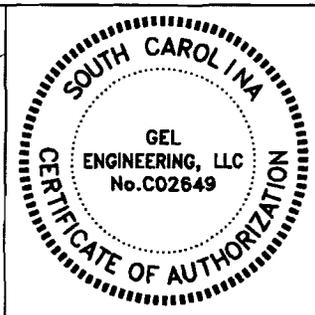
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 82 of 86

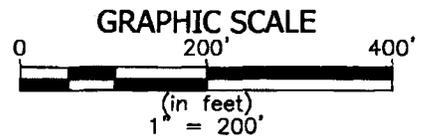
DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
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SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 83
COOPER RIVER DREDGING

SCALE
1"=200' hz
1"=20' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

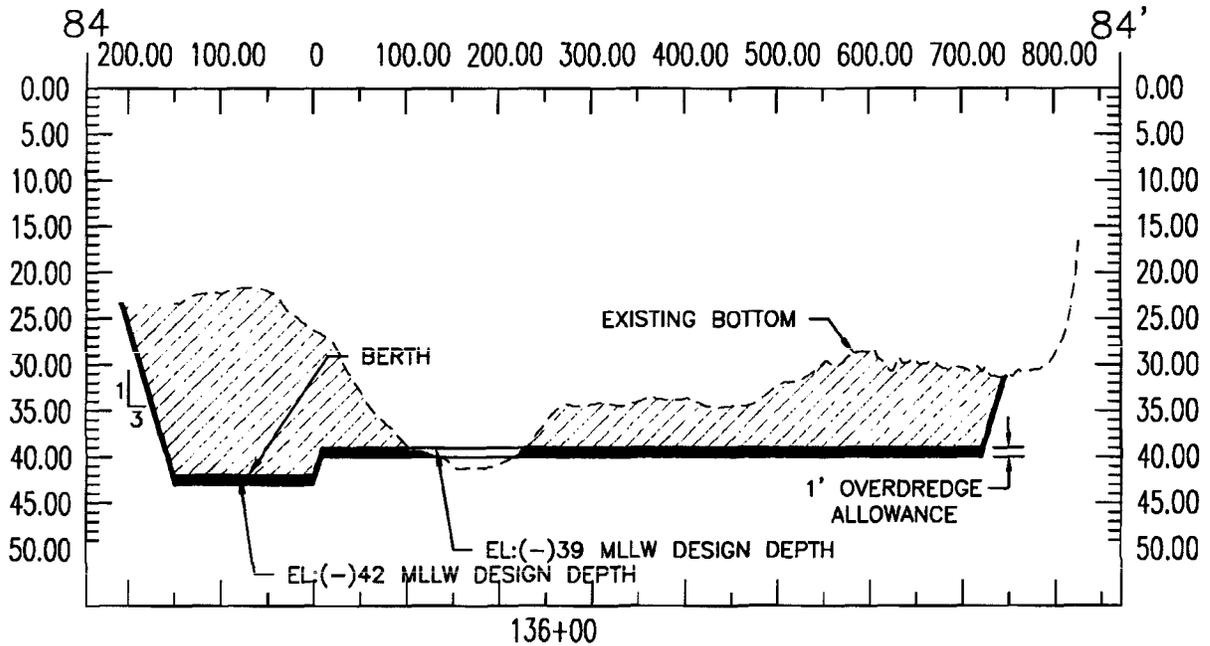
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

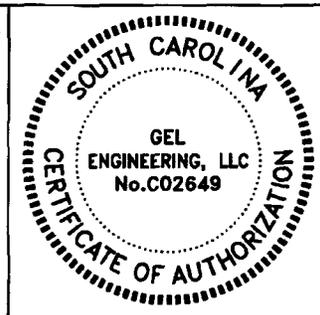
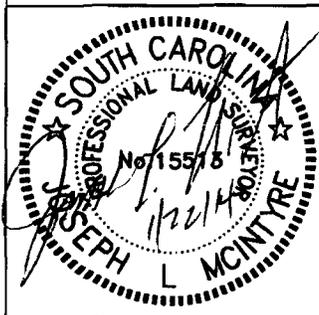
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 83 of 86

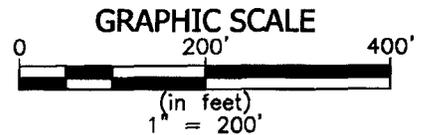
DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 84
COOPER RIVER DREDGING

SCALE
1"=200' hz
1"=20' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

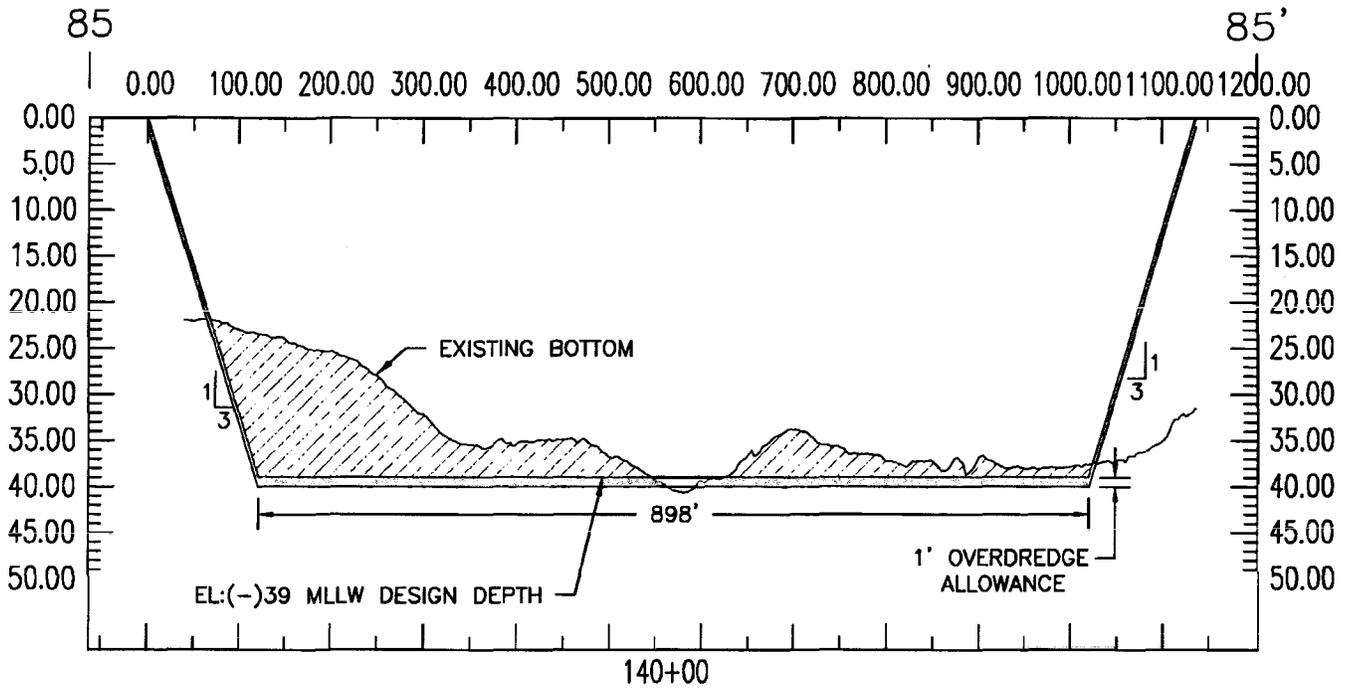
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

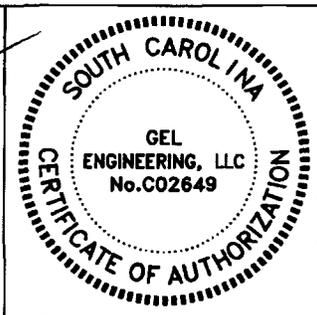
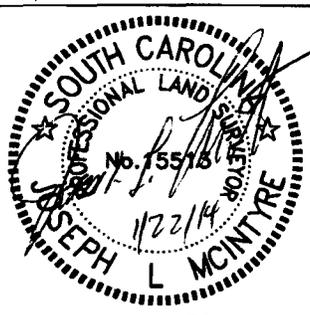
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 84 of 86

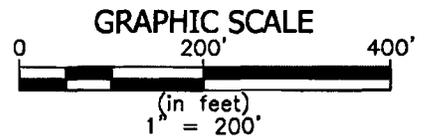
DATE: 1/10/14



MLLW = MEAN LOWER LOW WATER



NOTE:
SOUNDINGS TAKEN
SEPT. 5, 2011



DATE	REVISION DESCRIPTION

PURPOSE: PROJECT STRIKER
WETLANDS FILL
MARINE TERMINAL FACILITY
COOPER RIVER CHANNEL DREDGING

ADJACENT PROPERTY OWNERS
SEE ATTACHED:
PUBLIC NOTICE MAILING LIST DATA FORM

SURVEY DATUM: MLLW

FIGURE 85
COOPER RIVER DREDGING

SCALE
1"=200' hz
1"=20' vt

PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

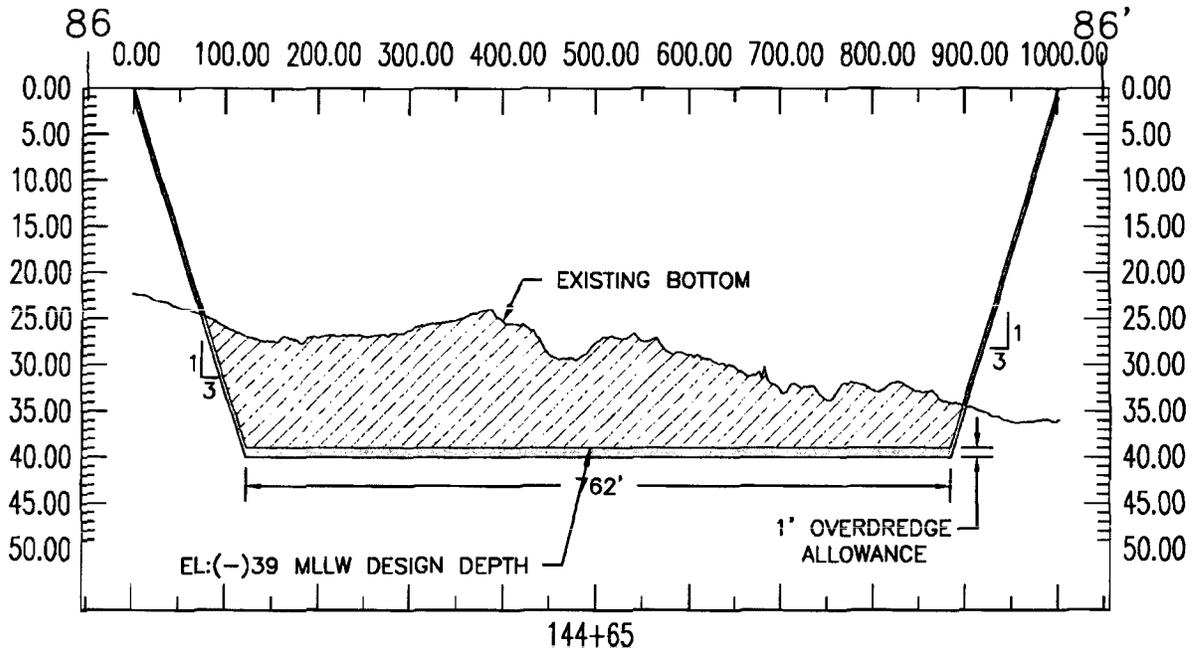
AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

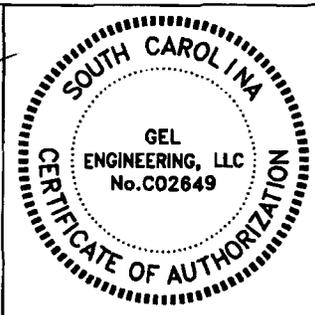
COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 85 of 86

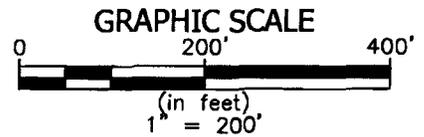
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FIGURE 86
COOPER RIVER DREDGING

SCALE
1"=200' hz
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PROJECT STRIKER
BUSHY PARK INDUSTRIAL COMPLEX
BERKELEY COUNTY, SOUTH CAROLINA

PROPOSED: WETLANDS FILL
MARINE TERMINAL
CHANNEL DREDGING

AT: BUSHY PARK INDUSTRIAL COMPLEX

IN: COOPER RIVER

COUNTY OF: BERKELEY
SOUTH CAROLINA

SHEET: 86 of 86

DATE: 1/10/14