



Florida Department of Environmental Protection

Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

November 16, 2017

Volkert Engineering, Inc.
% Mr. Arthur Hooks, Project Manager/Engineer
14101 Panama City Beach Parkway
Panama City Beach, Florida 32413
Arthur.Hooks@volkert.com

File No. 0302270-005-EE/03, Bay County

Dear Mr. Hooks:

On October 27, 2017, we received your request for verification of exemption to perform the following activities:

To perform maintenance dredging within previously-dredged portions of Lake Caroline, Class III Florida Waters not approved for shellfish harvesting, as depicted on the attached drawings. No more dredging shall be performed than that necessary to restore the waterbody to original depths, and spoil material shall be deposited on a self-contained upland spoil site which will prevent the escape of the spoil material into the waters of the state. Control devices for return flow and best management practices for erosion and sediment control shall be utilized to prevent bank erosion or scouring and to prevent turbidity, dredged material, and toxic or deleterious substances from discharging into adjacent waters during maintenance dredging. The dredge area is located within Lake Caroline on the north side of West 11th Street between Lisenby Avenue and Buena Vista Boulevard, at approx. 30°10'05" North Latitude, 85°40'53" West Longitude, and the spoil site at the east end of West 12th Street, Parcel No. 18781-020-000, all in Panama City, Florida 32401, in Section 06, Township 04 South, Range 14 West of Bay County.

Your request has been reviewed to determine whether it qualifies for (1) regulatory exemption, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal approval that may be necessary for work in wetlands or waters of the United States.

Your project qualifies for all three. However, this letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity.

If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

If you have any questions regarding this matter, please contact Savanna Harrison at the letterhead address, at (850) 595-0566, or at Savanna.Harrison@floridadep.gov.

1. Regulatory Review – Verified

Based on the information submitted, the Department has verified that the activity as proposed is exempt under Rule 62-330.051(7)(a), Florida Administrative Code (F.A.C.) and Section 403.813(1)(f), Florida Statutes (F.S.) from the need to obtain a regulatory permit under Part IV of Chapter 373, F.S.

This exemption verification is based on the information you provided the Department and the statutes and rules in effect when the information was submitted. This verification may not be valid if site conditions materially change, the project design is modified, or the statutes or rules governing the exempt activity are amended. In the event you need to re-verify the exempt status for the activity, a new request and verification fee will be required. Any substantial modification to the project design should be submitted to the Department for review, as changes may result in a permit being required.

2. Proprietary Review – Not Required

The activity does not appear to be located on sovereign submerged lands, and does not require further authorization under Chapters 253 or 258, F.S. or Chapters 18-20 or 18-21, F.A.C.

3. Federal Review – SPGP Approved

Your proposed activity as outlined in your application and attached drawings qualifies for federal authorization pursuant to the State Programmatic General Permit (SPGP) V, and a **SEPARATE permit** or authorization **will not be required** from the U.S. Army Corps of Engineers (Corps). Please note that the federal authorization expires on July 26, 2021. However, your authorization may remain in effect for up to one (1) additional year if provisions of Special Condition B.27 of the SPGP V permit instrument are met. As permittee, you are required to adhere to all General Conditions and Special Conditions that may apply to your project. The Special Conditions required for your project are attached. A copy of the SPGP V with all terms and conditions and the General Conditions may be found online in the Jacksonville Regulatory Division Sourcebook.

Authority for review – an agreement with the Corps entitled “Coordination Agreement Between the U.S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection, or Duly Authorized Designee, State Programmatic General Permit,” Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Additional Information

Please retain this letter. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S. and Chapter 18-14, F.A.C.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. A copy of the petition shall also be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S. must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S. by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Savanna Lynn Harrison
Environmental Specialist
Submerged Lands and Environmental Resources Program

Attachments:

1. Exemption Rule 62-330.051(7)(a), F.A.C. and Section 403.813(1)(f), F.S., 1 page
2. SPGP V: Special Conditions Related to All Review and Authorizations, 6 pages
3. General Conditions for Federal Authorization for SPGP V, 3 pages
4. Department of the Army Permit Transfer for SPGP V, 1 page
5. SPGP V: Sea Turtle and Smalltooth Sawfish Construction Conditions, 2 pages
6. Project Drawings and Design Specifications, 9 pages

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

U.S. Army Corps of Engineers, Andrew.A.Kizlauskas@usace.army.mil
City of Panama City, JBrown@pcgov.org; NFravel@pcgov.org

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(7), F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

November 16, 2017
Date

62-330.051 Exempt Activities.

(7) Maintenance and Restoration –

(a) Maintenance dredging under Section 403.813(1)(f), F.S.

403.813 Permits issued at district centers; exceptions.—

(1) A permit is not required under this chapter, chapter 373, chapter 61-691, Laws of Florida, or chapter 25214 or chapter 25270, 1949, Laws of Florida, for activities associated with the following types of projects; however, except as otherwise provided in this subsection, this subsection does not relieve an applicant from any requirement to obtain permission to use or occupy lands owned by the Board of Trustees of the Internal Improvement Trust Fund or a water management district in its governmental or proprietary capacity or from complying with applicable local pollution control programs authorized under this chapter or other requirements of county and municipal governments:

(f) The performance of maintenance dredging of existing manmade canals, channels, intake and discharge structures, and previously dredged portions of natural water bodies within drainage rights-of-way or drainage easements which have been recorded in the public records of the county, where the spoil material is to be removed and deposited on a self-contained, upland spoil site which will prevent the escape of the spoil material into the waters of the state, provided that no more dredging is to be performed than is necessary to restore the canals, channels, and intake and discharge structures, and previously dredged portions of natural water bodies, to original design specifications or configurations, provided that the work is conducted in compliance with s. 379.2431(2)(d), provided that no significant impacts occur to previously undisturbed natural areas, and provided that control devices for return flow and best management practices for erosion and sediment control are utilized to prevent bank erosion and scouring and to prevent turbidity, dredged material, and toxic or deleterious substances from discharging into adjacent waters during maintenance dredging. Further, for maintenance dredging of previously dredged portions of natural water bodies within recorded drainage rights-of-way or drainage easements, an entity that seeks an exemption must notify the department or water management district, as applicable, at least 30 days prior to dredging and provide documentation of original design specifications or configurations where such exist. This exemption applies to all canals and previously dredged portions of natural water bodies within recorded drainage rights-of-way or drainage easements constructed prior to April 3, 1970, and to those canals and previously dredged portions of natural water bodies constructed on or after April 3, 1970, pursuant to all necessary state permits. This exemption does not apply to the removal of a natural or manmade barrier separating a canal or canal system from adjacent waters. When no previous permit has been issued by the Board of Trustees of the Internal Improvement Trust Fund or the United States Army Corps of Engineers for construction or maintenance dredging of the existing manmade canal or intake or discharge structure, such maintenance dredging shall be limited to a depth of no more than 5 feet below mean low water. The Board of Trustees of the Internal Improvement Trust Fund may fix and recover from the permittee an amount equal to the difference between the fair market value and the actual cost of the maintenance dredging for material removed during such maintenance dredging. However, no charge shall be exacted by the state for material removed during such maintenance dredging by a public port authority. The removing party may subsequently sell such material; however, proceeds from such sale that exceed the costs of maintenance dredging shall be remitted to the state and deposited in the Internal Improvement Trust Fund.

Special Conditions Related to All Federal Review and Authorizations

In addition to the conditions specified above, the following Special Conditions apply to all projects reviewed and/or authorized under the SPGP V.

1. The District Engineer reserves the right to require that any request for authorization under this SPGP V be evaluated as an Individual Permit. Conformance with the terms and conditions of the SPGP V does not automatically guarantee Federal authorization.
2. On a case-by-case basis the Corps may impose additional Special Conditions which are deemed necessary to minimize adverse environmental impacts.
3. Failure to comply with all conditions of the Federal authorizations under the SPGP V would constitute a violation of the Federal authorization.
4. No structure or work shall adversely affect or disturb properties listed in the National Register of Historic Places or those eligible for inclusion in the National Register. Prior to the start of work, the Applicant/Permittee or other party on the Applicant's/Permittee's behalf, shall conduct a search of known historical properties by contracting a professional archaeologist, and contacting the Florida Master Site File at 850-245-6440 or SiteFile@dos.state.fl.us. The Applicant/Permittee can also research sites in the National Register Information System (NRIS). Information can be found at <http://www.cr.nps.gov/nr/research>.
 - a. If, during the initial ground disturbing activities and construction work, there are archaeological/cultural materials unearthed (which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the Compliance and Review staff of the State Historic Preservation Office at 850-245-6333 and the Corps Regulatory Project Manager to assess the significance of the discovery and devise appropriate actions, including salvage operations. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7.
 - b. In the unlikely event that human remains are identified, they will be treated in accordance with Section 872.05, Florida Statutes; all work in the vicinity shall immediately cease and the local law authority, the State Archaeologist (850-245-6444), and the Corps Regulatory Project Manager shall immediately be notified. Such activity shall not resume unless specifically authorized by the State Archaeologist and the Corps.
5. No work shall be authorized under the SPGP V which proposes the use of prefabricated modules for habitat creation, restoration, or enhancement except as allowed in Special Condition 17 for *Living Shorelines* of the *Shoreline Stabilization* category.
6. The Design and construction of a Project must comply with the following.
 - a. Where aquatic vegetation is present, adverse impacts to aquatic vegetation from construction of piling-supported structures may be avoided/minimized by adherence to, or employing alternative construction techniques that provide a higher level of protection than, the

protective criteria in the joint U.S. Army Corps of Engineers'/National Marine Fisheries Service's "*Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat,*" U.S. Army Corps of Engineers/National Marine Fisheries Service August 2001 (updated June 2008). Unless otherwise specifically approved by the National Marine Fisheries Service, where aquatic vegetation is present, piling-supported structures authorized under the SPGP V must comply with, or provide a higher level of protection than, the criteria contained in the referenced construction guidelines. Mangrove impacts are limited to the removal of mangroves along 4 linear feet of shoreline to accommodate a 4-ft-wide access walkway associated with a dock that meets the above guidelines.

b. Additionally, because of concerns about adverse impacts to the endangered Johnson's seagrass (*Halophila johnsonii*) in the lagoon and canal systems on Florida's east coast from Sebastian Inlet (Brevard County) south to and including central Biscayne Bay (Miami-Dade County), the following requirements must be met:

(1) Piling-supported structures must comply with, or provide a higher level of protection than, the criteria contained in the construction guidelines titled "*Key for Construction Conditions for Docks or Other Minor Structures Constructed in or Over Johnson's seagrass (Halophila johnsonii),*" National Marine Fisheries Service/U.S. Army Corps of Engineers – February 2002 (updated October 2002).

(2) Removal of derelict vessels must comply with the practices of Special Condition 19.

(3) All other activities will have no effect on Johnson's seagrass, i.e., no seagrass is present.

c. The presence of seagrass will be determined utilizing the attached "*Submerged Aquatic Vegetation Survey Guidelines.*"

7. For projects in waters accessible to sea turtles, Smalltooth sawfish, Gulf sturgeon, or Shortnose sturgeon, the Permittee will utilize the "*Sea Turtle and Smalltooth Sawfish Construction Conditions*" and the following additions:

a. Any collision(s) with and/or injuries to any whale, or sturgeon occurring during the construction of a project, shall be reported immediately to NMFS's Protected Resources Division (PRD) at (727-824-5312).

b. Reports to NMFS's Protected Resources Division (PRD) may be made by email to takereport.nmfsser@noaa.gov.

c. Sea turtle and marine mammal stranding/rescue organizations' contact information is available by region at <http://www.nmfs.noaa.gov/pr/health/networks.htm>.

d. Smalltooth sawfish encounters shall be reported to <http://www.flmnh.ufl.edu/fish/sharks/sawfish/sawfishencounters.html>.

e. All work must occur during daylight hours.

8. The Permittee is responsible for obtaining any "take" permits required under the U.S. Fish and Wildlife Service's regulations governing compliance with the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. The Permittee should contact the appropriate local office of the U.S. Fish and Wildlife Service to determine if such "take" permits are required for a particular activity.

9. The Permittee is responsible for compliance with 50 CFR 224.103(c) prohibiting approach within 500 yards of a right whale, with limited exceptions.

10. Turbidity control measures shall be used throughout construction to control erosion and siltation to ensure there are no violations of state or federal water quality standards. Turbidity control measures shall be: (1) for the smallest practicable area; (2) monitored daily to ensure listed species are not entangled or trapped in the project area; (3) shall be removed promptly upon project completion and the return of water quality conditions; (4) and shall not block entry to or exit from designated critical habitat. Siltation barriers shall be made of material in which listed species cannot become entangled (i.e., reinforced impermeable polycarbonate vinyl fabric [PVC]).

a. Turbidity curtains are not required where not practical in dynamic systems such as surf zones and could actually do more harm than good if the curtains become detached (e.g., they could entrap pelagic organisms and become entangled around benthic organisms, such as coral).

b. Turbidity barriers are not required if installation of single piling in deep water since is unlikely to adversely affect water quality.

11. In-water rope or chain must meet the following requirements: Industrial grade metal chains or heavy cables that do not readily loop and tangle; All in-water lines (rope and cable) must be thick and taut and cannot have excess line in the water; Lines can be enclosed in a plastic or rubber sleeve/tube to add rigidity.

12. No work shall occur where hard bottom or any hard or coral including ESA-listed coral species are present within the footprint of the project.

13. No work shall occur that results in removal of mangroves (including prop roots), except:

a. as provided by Special Condition 6.a.; or,

b. for removal of mangroves growing at the foot or from an existing seawall whose removal needed to repair the seawall.

14. No work shall occur that results in impacts to seagrass except as provided by Special Condition 6.

15. (For *Docks, Piers, Associated Facilities, and Other Minor Piling-Supported Structures and Boat Ramps and Boat Launch Areas and Structures Associated with Such Ramps or Launch Areas.*)

a. Aids to Navigation and Private Aids to Navigation (e.g., attached to the structures authorized by the SPGP) must be approved by and installed in accordance with U.S. Coast Guard requirements.

b. Temporary structures associated with marine events will be removed and the site restored upon completion of the event.

c. (For *multi-family residential docks (e.g., condos, trailer parks, apartment complexes) designated for fishing or vessel storage, for temporary marine event pile-supported structures involving high speed vessel traffic or fishing, and for commercial or public boat ramps.*) Install educational signs as follows in a visible location to alert boaters of listed species in the area susceptible to vessel strikes or hook-and-line captures. NMFS website

http://sero.nmfs.noaa.gov/protected_resources/section_7/protected_species_educational_signs/index.html) provides sign installation guidance and most current version of the signs.

(1) All commercial and public boat ramps shall install the Save Sea Turtle, Sawfish, and Dolphin sign.

(2) If the Project occurs within the range of Gulf, Atlantic, or Shortnose sturgeon, the Permittee will install and maintain the *Report Sturgeon* sign.

(3) If the Project occurs within 14 miles of North Atlantic Right Whale critical habitat, the Permittee will install and maintain the *Help Protect North Atlantic Right Whales* sign.

d. Project construction will take place from uplands or from floating equipment (e.g., barge); prop or wheel-washing is prohibited.

16. (For *Transient activities*.)

a. Temporary structures shall not block access of species to an area such as preventing movement in or out of a river or channel.

b. (For *scientific sampling, measurement, and monitoring devices*.) No later than 24 months from initial installation, or upon completion of data acquisition, whichever comes first, the measuring device and any other structure or fills associated with that device (e.g., anchors, buoys, lines) must be removed and the site must be restored to pre-construction elevations.

17. (For *Living Shorelines* of the *Shoreline Stabilization* category.)

a. Only native plant species will be planted.

b. Not more than 500 linear feet in length, not more than 35 ft waterward of the high tide line (note that FAC 62-330 limits to 10 feet of the mean high water line) or result in more than 0.5 ac area between the natural shoreline and the structure.

c. No discharge of earthen fill material, other than earthen material associated with vegetative planting, is not authorized.

d. Construction, maintenance, and removal of approved permanent, shore-parallel wave attenuation structures are authorized. Approved permanent wave attenuation materials include oyster breakwaters (described below), clean limestone boulders, and prefabricated structures made of concrete and rebar that are designed in a manner that cannot trap sea turtles, Smalltooth sawfish, or sturgeon. Reef balls that are not open on the bottom, triangle structures with a top opening of at least 3 feet between structures, and reef discs stacked on a pile may be used.

e. (For oyster breakwaters.)

(1) Reef materials shall be placed in a manner to ensure that materials (e.g., bagged oyster shell, oyster mats, loose cultch surrounded and contained by a stabilizing feature, reef balls, and reef cradles) will remain stable and prevent movement of materials to surrounding areas.

(2) Materials must be placed in designated locations (i.e., shall not be indiscriminately/randomly dumped) and shall not be placed outside of the total project limits.

18. (For *Subaqueous Utility Lines* of the *Transient Activities* category.)

a. A Frac-out Contingency Plan similar to the attached plan will be developed, submitted with the application, and then followed.

b. All subaqueous transmission lines crossing over, under, or in flood control channels/canals in Federal projects (either federally or locally maintained) which are installed with horizontal direction drilling (HDD) shall comply with the following:

(1) The project shall ensure the top of the HDD boring is a minimum of 10 feet beneath the bottom of the channel including a minimum 25 feet outside the channel edges and the estimated total drilling fluid pressure is less than 10 psi.

(2) Construction of directional boring vaults, junction boxes, and/or pads are not allowed within 25 feet of the top of the bank of any federal project.

(3) Projects not in compliance with these criteria shall not be eligible for authorization under SPGP V.

(4) Any activity within a Federal right-of-way shall require the Permittee to enter into a consent-to-easement with the Real Estate Division, U.S. Army Corps of Engineers, Jacksonville or Mobile District, as appropriate, prior to the commencement of any construction activity.

(5) The Permittee shall, upon completion of work, provide an as-built survey showing the horizontal and vertical location (X-Y-Z coordinates in NAD 83 and NAVD 88) of the object below the channel as it enters and exits the design edges of the authorized width of the channel, plus a minimum of 25 feet outside the channel edges.

c. Where the proposed subaqueous utility or transmission line is to be installed in navigable waters of the United States, at least 2 weeks prior to the start of the authorized work, the permittee must notify the National Oceanic and Atmospheric Administration (NOAA) and the Corps in writing that the work is commencing; and, again, upon completion of the work. The permittee shall notify the District Engineer in writing at the letterhead address, attention Regulatory Division, and the NOAA, either in mailed correspondence to Nautical Data Branch Office of Coast Survey N/CS26, 1315 East-West Highway, Silver Spring, MD 20910-3282 or by electronic mail correspondence, with scans of the requisite documents attached, through osc.ndb@noaa.gov and spgp@usace.army.mil. The postconstruction notification will include "as-built plans", signed and sealed by a registered surveyor/engineer licensed in the State of Florida, that certify the project is constructed as authorized; and, must include an accurate depiction of the location and configuration of the completed activity in relation to the mean high water of the navigable water.

19. (For *Removal of Derelict Vessels* of the *Transient Activities* category.)

a. Removal of marine debris shall require visual confirmation (e.g., divers, swimmers, camera) that the item can be removed without causing further damage to aquatic resources.

b. If an item cannot be removed without causing harm to surrounding coral, the item will be disassembled as much as practicable so that it no longer can accidentally harm or trap species.

c. Monofilament debris will be carefully cut loose from coral so as not to cause further harm. Under no circumstance will line be pulled through coral since this could cause breakage of coral.

d. Marine debris shall be lifted straight up and not be dragged through seagrass beds, coral, or hard bottom habitats. Debris shall be properly disposed of in appropriate facilities in accordance with applicable federal and state requirements.

20. For concrete piles installed by impact hammer:

a. The piles will be less than or equal to than 24 inches in diameter; and

b. Not more than 10 piles will be installed per day if in open water; or,

c. Not more than 5 piles will be installed per day in a *confined space*. A *confined space* is defined as any area that has a solid object (e.g., shoreline, seawall, jetty) or structure within

150 feet of the pile installation site that would effectively serve as a barrier or otherwise prevent animals from moving past it to exit the area. This does not include objects such as docks or other pile-supported structures that would not stop animal movement or significantly reflect noise.

21. Metal piles will NOT be installed by impact hammer.

22. Projects within the boundary of the NOAA Florida Keys National Marine Sanctuary require prior approval from the Sanctuary.

23. The Permittee shall use only clean fill material. The fill material shall be upland sources and be free of items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

24. No blasting is authorized.

25. For Projects authorized under this SPGP V in navigable waters of the U.S., the Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

26. The SPGP V will be valid for five (5) years from the date of issuance unless suspended or revoked by issuance of a public notice by the District Engineer. The Corps, in conjunction with the Federal resource agencies, will conduct periodic reviews to ensure that continuation of the permit during the five-year authorization period is not contrary to the public interest. If revocation occurs, all future applications for activities covered by the SPGP V will be evaluated by the Corps.

27. If the SPGP V expires or is revoked prior to completion of the authorized work, authorization of activities which have commenced or are under contract to commence in reliance upon the SPGP V will remain in effect provided the activity is completed within twelve (12) months of the date the SPGP V expired or was revoked.

28. The General Conditions attached hereto are made a part of this SPGP V and must be attached to all authorizations processed under this SPGP V.

General Conditions for Federal Authorization for SPGP V

1. The time limit for completing the work authorized ends on July 26, 2021.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner on the enclosed form and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Further Information:

1. Limits of this authorization.
 - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
 - b. This permit does not grant any property rights or exclusive privileges.
 - c. This permit does not authorize any injury to the property or rights of others.
 - d. This permit does not authorize interference with any existing or proposed Federal projects.
2. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
 - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
 - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
 - d. Design or Construction deficiencies associated with the permitted work.
 - e. Damage claims associated with any future modification, suspension, or revocation of this permit.
3. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.
4. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
 - a. You fail to comply with the terms and conditions of this permit.
 - b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 3 above).
 - c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.
5. Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CER 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.
6. When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date the enclosed form.
7. The Permittee understands and agrees that, if future operations by the United States require

the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal, relocation or alteration.

Department of the Army Permit Transfer for SPGP V

PERMITEE: _____

PERMIT NUMBER: _____ DATE: _____

ADDRESS/LOCATION OF PROJECT:

(Subdivision)

(Lot)

(Block)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, FL 32232-0019.

(Transferee Signature)

(Date)

(Name Printed)

(Street address)

(Mailing address)

(City, State, Zip Code)



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
263 13th Avenue South
St. Petersburg, FL 33701

SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc



Additions
to the
"Sea Turtle and Smalltooth Sawfish Construction Conditions"
for SPGP V

- a. Any collision(s) with and/or injuries to any whale, or sturgeon occurring during the construction of a project, shall be reported immediately to NMFS's Protected Resources Division (PRD) at (727-824-5312).
- b. Reports to NMFS's Protected Resources Division (PRD) may be made by email to takereport.nmfs@noaa.gov.
- c. Sea turtle and marine mammal stranding/rescue organizations' contact information is available by region at <http://www.nmfs.noaa.gov/pr/health/networks.htm>.
- d. Smalltooth sawfish encounters shall be reported to <http://www.flmnh.ufl.edu/fish/sharks/sawfish/sawfishencounters.html>.
- e. All work must occur during daylight hours.

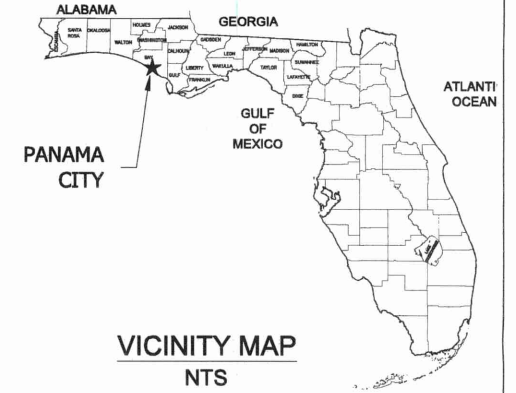
PANAMA CITY COMMISSIONERS

GREG BRUDNICKI MAYOR
JENNA FLINT HALIGAS WARD 1
KENNETH BROWN WARD II
BILLY RADER WARD III
MIKE NICHOLS WARD IV

PERMIT DOCUMENTS FOR LAKE CAROLINE MAINTENANCE DREDGE

PREPARED FOR:

CITY OF PANAMA CITY
BAY COUNTY, FLORIDA

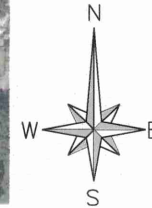
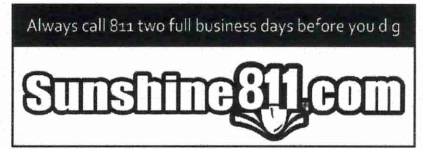


VICINITY MAP
NTS



SHEET INDEX

1. KEY SHEET
2. VICINITY MAP
3. SURVEY AND EXISTING CONDITIONS
4. GENERAL NOTES AND STANDARD DETAILS
5. ADJACENT PROPERTY OWNERS
6. TYPICAL SECTION AND DETAIL SHEET
7. CROSS SECTION LOCATIONS
8. CROSS SECTIONS
9. SPOIL STORAGE SITE PLAN



PREPARED BY:

VOLKERT

Engineers • Surveyors • Planners

ENGINEER'S PROJECT NO: 75100

CERTIFICATE OF AUTHORIZATION 4641

ENGINEER OR RECORD

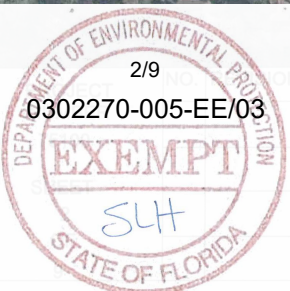
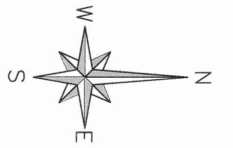
ARTHUR V HOOKS IV
FL PE 66355

PANAMA CITY
PROJECT MANAGER

DALE E CRONWELL PE



OCTOBER 2017



NS	DATE	VOLKERT Engineers • Surveyors • Planners		14101 PANAMA CITY BEACH PKWY SUITE 190 PANAMA CITY BEACH, FL 32413 TELEPHONE: (850) 588-1516 CERTIFICATE OF AUTHORIZATION 4641	
		DRAWN BY AIO	DESIGNED BY AVH	QA/QC MANAGER	CHECKED BY
		SECTION/TOWNSHIP/RANGE		DISTRICT	DATE OCTOBER 2017

HOOKS
 10/20/17
 12/5/17
 ARTHUR V. HOOKS
 FL PE 66356

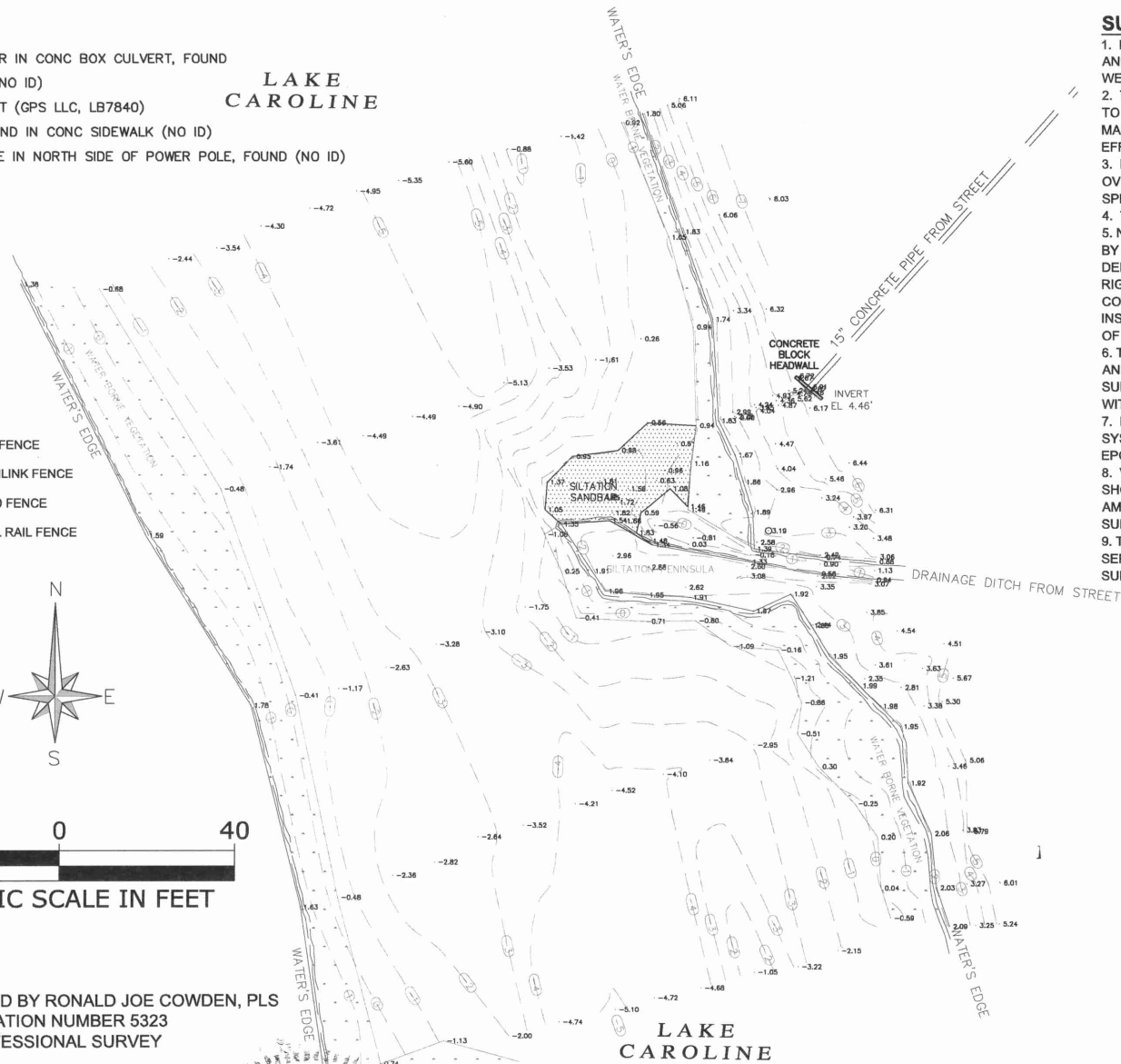
LAKE CAROLINE MAINTENANCE DREDGE
 CITY OF PANAMA CITY
 BAY COUNTY

VICINITY MAP

LEGEND:

- - 5/8" IRON REBAR IN CONC BOX CULVERT, FOUND
- - 60d NAIL, SET (NO ID)
- ▲ - NAIL & DISK, SET (GPS LLC, LB7840)
- △ - LEAD PLUG, FOUND IN CONC SIDEWALK (NO ID)
- ⊗ - RAIL ROAD SPIKE IN NORTH SIDE OF POWER POLE, FOUND (NO ID)
- ☼ - SCRUB OAK TREE
- ✱ - SABLE PALM
- ✱ - SAGO PALM
- ☼ - FIG TREE
- ☼ - PECAN TREE
- ☼ - BAY LEAF TREE
- ✱ - PINE TREE
- ☼ - CEDAR TREE
- ☼ - ORANGE TREE
- X—X— WIRE FENCE
- CHAINLINK FENCE
- WOOD FENCE
- VINYL RAIL FENCE

LAKE CAROLINE



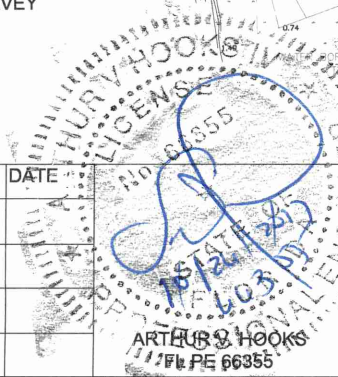
SURVEYOR'S NOTES:

1. NORTH AS SHOWN HEREON IS BASED ON GRID NORTH PER GPS OBSERVATION AND REFERENCED TO THE BEARING OF SOUTH 00°00'44" EAST ALONG THE WESTERLY RIGHT-OF-WAY LINE OF MAGNOLIA STREET.
2. THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE "AE(EL8)", ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS FOR BAY COUNTY, FLORIDA. SEE COMMUNITY PANEL NO. 120012 0341 H. EFFECTIVE REVISED DATE BEING JUNE 2, 2009.
3. IMPROVEMENTS ARE AS SHOWN HEREON BUT DO NOT INCLUDE EAVE OVERHANG OR UNDERGROUND PORTION OF FOOTING/FOUNDATION UNLESS SPECIFICALLY NOTED.
4. THIS IS A TOPOGRAPHIC AND HYDROGRAPHIC SURVEY.
5. NO CURRENT TITLE SEARCH, TITLE OPINION, OR ABSTRACT WAS PERFORMED BY NOR PROVIDED TO GPS LLC FOR THE SUBJECT PROPERTIES. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, ENCROACHMENTS, RIGHTS-OF-WAY, BUILDING SETBACKS, ZONING RESTRICTIONS, RESTRICTIVE COVENANTS, REQUIREMENTS OF GOVERNMENT JURISDICTION, OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES, DEVELOPMENT OR USE OF THE SUBJECT PROPERTY.
6. THIS SURVEY, OR ANY PART THEREOF, IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER HAVING PERFORMED THIS WORK AND REGISTERED WITH THE STATE OF FLORIDA UNDER REGISTRATION NUMBER LS-5323.
7. HORIZONTAL COORDINATES REFERENCED TO STATE PLANE COORDINATE SYSTEM, FLORIDA NORTH ZONE, NORTH AMERICAN DATUM 1983 (NAD83 2011) - EPOCH 2010.0000
8. VERTICAL ELEVATIONS AND THE COUNTOURS GENERATED THEREFROM AS SHOWN HEREON ARE TRUE ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) AND BASED ON NATIONAL GEODETIC SURVEY (NGS) BENCHMARK "A 176" WITH AN ESTABLISHED ELEVATION OF 25.40'
9. THE FIELDWORK INVOLVED IN PREPARING THIS SURVEY WAS COMPLETED ON SEPTEMBER 20, 2017, UNDER THE SUPERVISION OF A PROFESSIONAL LAND SURVEYOR.

SYMBOLS & ABBREVIATIONS:

- ⊙ CENTERLINE
- R/W RIGHT-OF-WAY
- NO. NUMBER
- ID IDENTIFICATION
- (P) PLAT INFORMATION
- (D) DEED INFORMATION
- (M) MEASURED DATA
- PS. PAGE
- ORB OFFICIAL RECORDS BOOK
- SEC. SECTION
- T. TOWNSHIP
- R. RANGE
- POC POINT OF COMMENCEMENT
- POB POINT OF BEGINNING
- TYP TYPICAL
- CONC CONCRETE
- R RADIUS
- Δ DELTA
- L ARC LENGTH
- CH CHORD BEARING & LENGTH
- ± MORE OR LESS
- A/C AIR CONDITIONER
- BFP BACK FLOW PREVENTER
- CMP CORRUGATED METAL PIPE
- RCP REINFORCED CONCRETE PIPE
- HDPE HIGH DENSITY POLYETHYLENE
- INV INVERT
- MES MITERED END SECTION
- TBM TEMPORARY BENCHMARK
- F.F. FINISH FLOOR
- EL ELEVATION
- FDOT FLORIDA DEPARTMENT OF TRANSPORTATION
- NGS NATIONAL GEODETIC SURVEY
- NAVD88 NORTH AMERICAN VERTICAL DATUM 1988

SURVEY PRODUCED BY RONALD JOE COWDEN, PLS
 FLORIDA REGISTRATION NUMBER 5323
 GULF COAST PROFESSIONAL SURVEY



VOLKERT
 Engineers • Surveyors • Planners

14101 PANAMA CITY BEACH PKWY SUITE 190
 PANAMA CITY BEACH, FL 32413
 TELEPHONE: (850) 588-1516
 CERTIFICATE OF AUTHORIZATION 4641

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SECTION/TOWNSHIP/RANGE		DISTRICT	DATE OCTOBER 2017

LAKE CAROLINE MAINTENANCE DREDGE
CITY OF PANAMA CITY
BAY COUNTY

SURVEY AND EXISTING CONDITIONS

TBM 2016/27-7
 ELEVATION 1.67
 TOP OF 5/8" IRON ROD IN
 CONCRETE BOX CULVERT

LEGEND

DMMA: DREDGE MATERIAL MANAGEMENT AREA (TEMPORARY SPOIL SITE)
 MHW: MEAN HIGH WATER LINE
 MLW: MEAN LOW WATER
 OHW: ORDINARY HIGH WATER

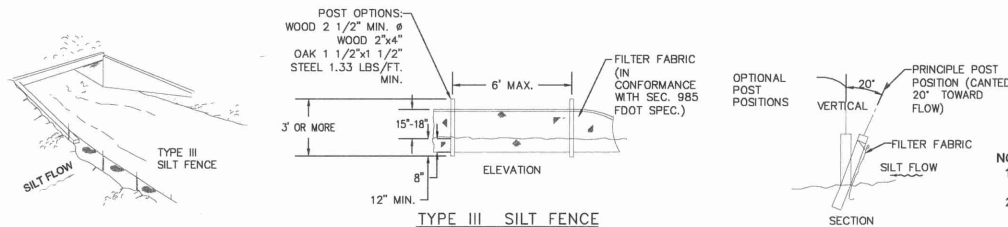
GENERAL NOTES

1. THE OWNER OR HIS REPRESENTATIVE SHALL APPROVE ANY ALTERNATE DREDGING AND DEWATERING METHODS PROPOSED BY THE CONTRACTOR. ALTERNATE METHODS SHALL RESULT IN REDUCE TURBIDITY AND REDUCED DRYING AREA IMPACTS.
2. THE DREDGING LIMIT IS SET 2 FEET WATERWARD OF THE EMERGENT SHORELINE VEGETATION OR MHW IN ORDER TO PROTECT NATURAL COMMUNITIES (EXCEPT IN LIMITS OF PREVIOUS PERMITTED MAINTENANCE DREDGE LIMITS). IN ADDITION, THE DREDGING LIMIT IS SET 10 FEET FROM STRUCTURES. THE CONTRACTOR SHALL NOT PERFORM ANY DREDGING OPERATIONS WITHIN THE 10 FEET BUFFER.
3. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT DREDGING OPERATIONS. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER TO OBTAIN CLARIFICATION BEFORE COMMENCING CONSTRUCTION.
4. NEITHER THE OWNER NOR THE ENGINEER HAVE LOCATED UNDERGROUND UTILITIES (PHONE, CABLE, FUEL, WATER, STORMWATER, SEWER, OR GAS). EXISTING UTILITIES SHOWN ON PLANS ARE SHOWN IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL LOCATE ANY AND ALL AFFECTED UTILITIES AND COORDINATE WITH THE AFFECTED UTILITY ENTITY PRIOR TO DREDGING AND BE FULLY RESPONSIBLE FOR THEIR PROTECTION. CONTRACTOR SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL VERIFY ALL ELECTRICAL UTILITIES AND SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES AND OTHER PUBLIC OR PRIVATE FACILITIES. CONTRACTOR SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER. REPAIR AND REPLACEMENT SHALL BE LIKE KIND OR AS APPROVED BY THE CITY ENGINEER.
7. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGES TO EXISTING WATER AND SEWER MAINS AND SERVICES CAUSED BY HIS ACTIVITIES AND SHALL IMMEDIATELY NOTIFY THE CITY ENGINEER AND/OR UTILITY DEPARTMENT. NOTIFICATION TO FDEP, IF REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CITY.
8. ALL AREAS DISTURBED DURING DREDGING OPERATIONS SHALL BE COMPLETELY RESTORED BY THE CONTRACTOR. ALL GRASSED AREAS SHALL BE SEEDED AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER OR AS DETAILED IN THE PLANS.
9. THE PLANS DELINEATE AREAS WHERE SEA GRASSES/WETLANDS ARE PRESENT. THE CONTRACTOR SHALL NOT DISTURB SEA GRASSES DURING DREDGING DEWATERING OR TRANSPORTING EQUIPMENT (EXCEPT WITHIN LIMITS OF DREDGING SHOWN IN PLANS).
10. IN AN EVENT ACCESS TO THE TEMPORARY DMMA AREA IS DENIED BY

PRIVATE OWNERS, HYDRAULIC DREDGING, BARGE DEWATERING AND OFF-LOADING MAY BE THE DREDGING/DEWATERING OPTION.

11. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN IN THE PLANS, AS REQUIRED BY THE PERMIT AND AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTION PROPERLY TO PREVENT TURBID OR POLLUTION WATER FROM LEAVING THE PROJECT SITE. AS REQUIRED, THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROL TO ENSURE THE SITE MEETS ALL FEDERAL, STATE, AND LOCAL REGULATIONS, BEST MANAGEMENT PRACTICES (BMP) FOR EROSION AND SEDIMENTATION CONTROL AND DEWATERING OPERATIONS SHALL MEET OR EXCEED REGULATIONS AND STATUTORY REQUIREMENTS.
12. TURBIDITY SCREENS SHALL BE SET A MINIMUM OF 3 FEET OFF THE EDGE OF THE SEA GRASSES UNLESS OTHERWISE DOCUMENTED IN THE PLANS AND OTHER CONSTRUCTION DOCUMENTS.
13. DREDGING AND DEWATERING OPERATIONS MUST COMPLY WITH THE TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS AND "STANDARD MANATEE CONDITIONS FOR IN-WATER WORK, 2009" ITEMS A, B, D, AND E.
14. STORAGE OF HAZARDOUS MATERIALS, SUCH AS FUEL, OIL, ETC. WILL NOT BE ALLOWED WITHIN 150 FEET OF WATERWAYS. ANY CHEMICAL SPILLS SHALL BE REPORTED AND CLEANED UP IMMEDIATELY. CONTRACTOR SHALL AVOID ON-SITE FUELING. IF FUELING IS PERFORMED ON-SITE, CONTAINMENT SHALL BE PROVIDED IN SUCH A MANNER THAT ANY ACCIDENTAL SPILL SHALL NOT DAMAGE VEGETATION, ENTER THE WATER, OR CONTAMINATE SEDIMENTS THAT MAY COME IN CONTACT WITH WATER.
15. CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS WITH TEMPORARY MULCHING, OR OTHER EROSION CONTROL METHODS. THE CONTRACTOR SHALL RESTORE DMMA SITES IN THEIR ORIGINAL CONDITION WHEN DREDGING OPERATIONS ARE COMPLETED.
16. THE CONTRACTOR SHALL PROPERLY ISOLATE THE DREDGING ACTIVITIES WITH TURBIDITY SCREENS TO PREVENT DREDGED MATERIAL (SPOIL), SEDIMENTS AND TURBID WATER FROM ENTERING ADJACENT WETLANDS OR WATERS OF THE STATE. ALL DREDGED MATERIAL PLACED AT TEMPORARY AND PERMANENT SPOIL SITES SHALL BE PROTECTED FROM EROSION BY PLACING BARRIERS (E.G. SILT FENCE, SAND BAGS, OR DIKES) AROUND THEIR PERIMETER TO PREVENT THE ESCAPE OF SEDIMENTS ONTO ADJACENT PROPERTY.
17. DMMA SITES SHALL BE GRADED TO ENSURE THAT DRAINAGE AND RUNOFF FROM THESE SITES WILL MINIMIZE EROSION.
18. PUBLIC ROADS SHALL BE PROTECTED FROM DEBRIS AND DAMAGE DURING REMOVAL PROCESS. IN ADDITION, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR CITY APPROVAL PRIOR TO COMMENCEMENT OF WORK.

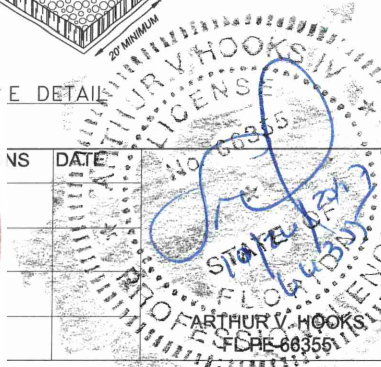
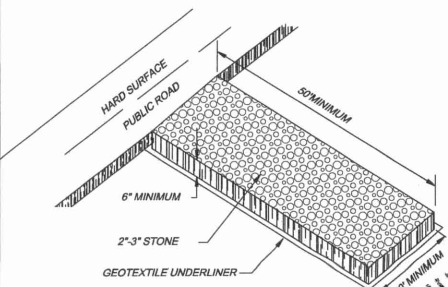
19. THE FINAL (PERMANENT) DISPOSAL SITE FOR DREDGED MATERIAL IS THE CITY OF PANAMA CITY PROPERTY (I.D. # 16058-000-000) LOCATED WEST OF THE INTERSECTION OF REDWOOD AVENUE AND EAST 12TH STREET. FINAL PLACEMENT OF SPOIL MATERIAL ON THE AFOREMENTIONED PARCEL SHALL BE DIRECTED BY THE CITY PUBLIC WORKS DEPARTMENT. SILT FENCE MUST BE INSTALLED ALONG THE DOWNSTREAM SIDE TO INTERCEPT RUNOFF, TO CONTROL EROSION, AND TO MINIMIZE DOWNSTREAM IMPACTS.
20. THE CONTRACTOR SHALL TRANSPORT SPOIL MATERIAL TO THE FINAL DISPOSAL SITE FROM TEMPORARY DMMA SITES WHEN ITS MOISTURE CONTENT IS WITHIN ACCEPTABLE ENGINEERING LIMITS. NO WATER OR SEDIMENT SHALL ESCAPE THE TRANSPORT EQUIPMENT DURING HAULING OPERATIONS.
21. THE CONTRACTOR SHALL RESTORE THE DMMA SITE TO EXISTING CONDITIONS UPON COMPLETION OF DREDGING OPERATIONS.
22. WHENEVER THE SPOIL MATERIAL IS DREDGED HYDRAULICALLY AND PUMPED DIRECTLY FROM THE DREDGING AREA TO THE DMMA SITE, THE CONTRACTOR SHALL ENSURE THE DREDGING PIPE LOCATION IS CLEARLY VISIBLE TO ALL WATERCRAFT AND IS SECURED TO CHANNEL BOTTOM.
23. DRAWING ELEVATIONS REFERENCE MEAN LOW WATER UNLESS OTHERWISE NOTED.
24. MHW IS ASSUMED TO BE 2.3 NAVD88.
25. MLW IS ASSUMED TO BE 2.3 NAVD88.
26. A TURBIDITY SCREEN SHALL BE INSTALLED AROUND THE DREDGING VESSEL DURING DREDGING OPERATIONS.
27. INSTALL ADDITIONAL TURBIDITY CURTAINS AS NEEDED TO PREVENT MIGRATION OF SEDIMENT TO OTHER PORTIONS OF THE BAYOU.
28. THE TURBIDITY OF THE SURFACE WATER SHALL NOT EXCEED 29 NTU'S OVER THE BACKGROUND TURBIDITY. IN THE EVENT THAT THE TURBIDITY IS RAISED ABOVE THE ACCEPTABLE LIMIT, ALL DREDGING ACTIVITIES SHALL BE STOPPED, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION SHALL BE NOTIFIED, AND THE CONTRACTOR SHALL WORK WITH THE FDEP TO REMEDIATE ANY DAMAGE THAT OCCURRED.
29. SILT FENCE SHALL BE INSTALLED ALONG DMMA SITES.



NOTE:
 DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

SILT FENCE APPLICATIONS DETAIL

N.T.S.



14101 PANAMA CITY BEACH PKWY SUITE 190
 PANAMA CITY BEACH, FL 32413
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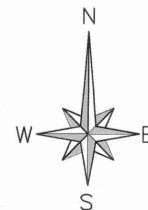
LAKE CAROLINE MAINTENANCE DREDGE
 CITY OF PANAMA CITY
 BAY COUNTY

**GENERAL NOTES AND
 STANDARD DETAILS**

- NOTES:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 3. DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



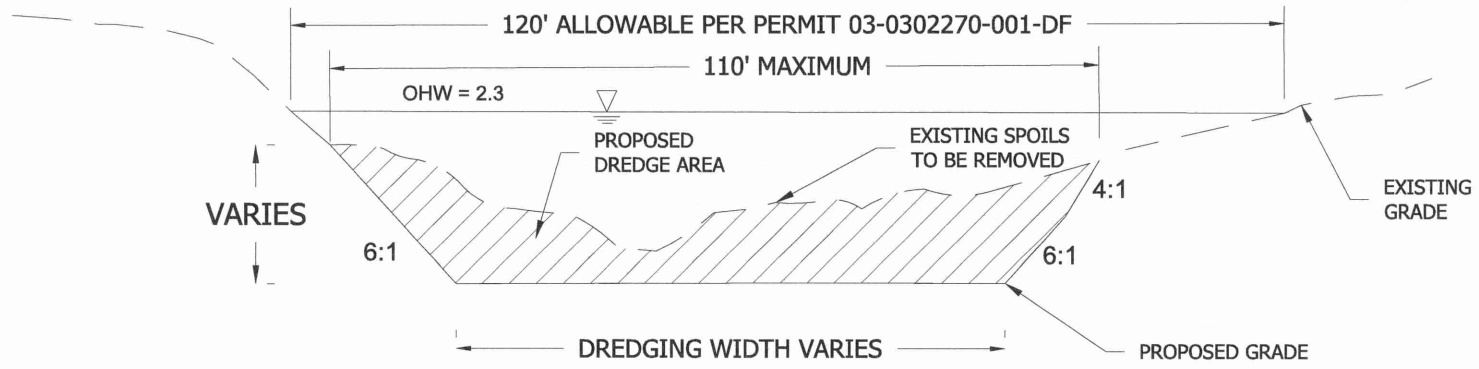
1. 18781-000-000
LISENBY LLLP.
1400 W 11TH ST
PANAMA CITY, FL 32401
2. 18781-010-000
R&R INVESTMENTS
439 GRACE AVE
PANAMA CITY, FL 32401
3. 18781-020-000
CITY OF PANAMA CITY
ATTN: CITY CLERK-TREASURER
P.O. BOX 1880
PANAMA CITY, FL 32402
4. 18898-000-000
AMMERMAN, DAVID F& BRENDA J
1200 CHRISTEL AVE
PANAMA CITY, FL 32401
5. 18925-000-000
ROOK, JAMES M JR
1227 MARIE ANN BLVD
PANAMA CITY, FL 32401
6. 18926-000-000
ELDREIDGE, TRAVIS G
1221 MARIE ANN BLVD
PANAMA CITY, FL 32401
7. 18927-000-000
BARNES, LESLIE KELLI
1219 MARIE ANN BLVD
PANAMA CITY, FL 32401
8. 18928-000-000
ARNOLD, FRANCES EASTERLING
1217 MARIE ANN BLVD
PANAMA CITY, FL 32401
9. 18929-000-000
SWATTS, H. HIGDON & PATRICIA
1215 MARIE ANN BLVD
PANAMA CITY, FL 32401
10. 18930-000-000
EFIRD, RONNIE L
1211 MARIE ANN BLVD
PANAMA CITY FL, 32401
11. 18854-000-000
MUHA, RYAN MICHAEL
1208 W 11TH STREET
PANAMA CITY, FL 32401



DATE	10/12/17			14101 PANAMA CITY BEACH PKWY SUITE 190 PANAMA CITY BEACH, FL 32413 TELEPHONE: (850) 588-1516 CERTIFICATE OF AUTHORIZATION 4641	
DRAWN BY	DESIGNED BY	QA/QC MANAGER	CHECKED BY		
AIO	AVH				
SECTION/TOWNSHIP/RANGE			DISTRICT	DATE	
				OCTOBER 2017	

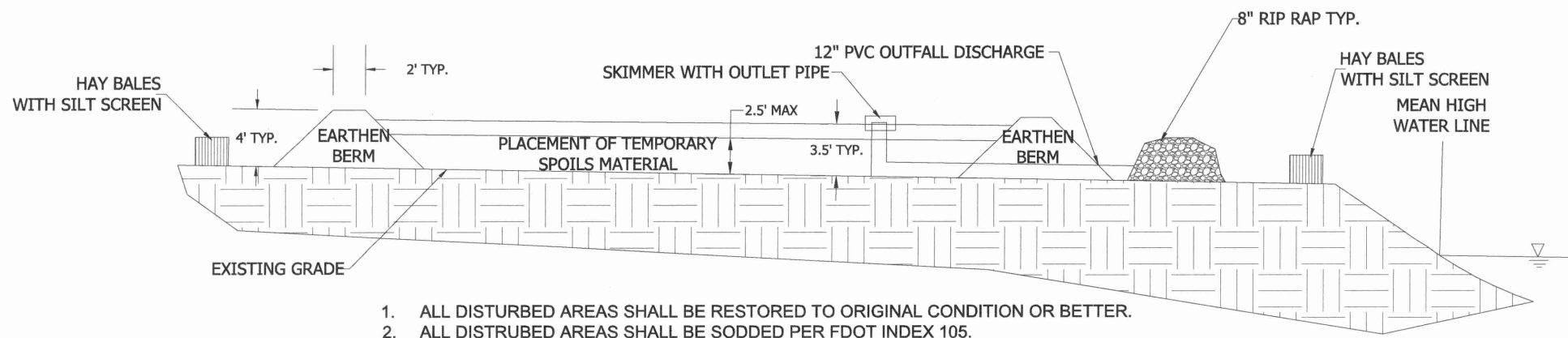
LAKE CAROLINE MAINTENANCE DREDGE
CITY OF PANAMA CITY
BAY COUNTY

ADJACENT PROPERTY OWNERS



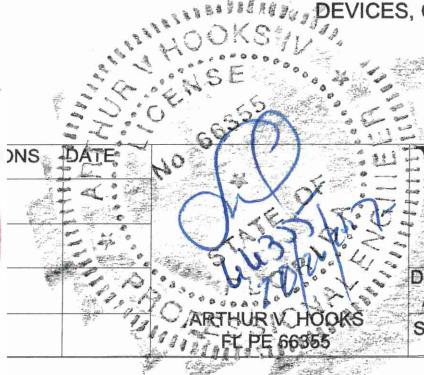
NORTH LAKE CAROLINE AVERAGE DREDGE DEPTH = 3.00 FT BELOW EXISTING LAKE BOTTOM

TYPICAL SECTION
NTS



1. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
2. ALL DISTURBED AREAS SHALL BE SODDED PER FDOT INDEX 105.
3. DRYING TEMPORARY SPOILS RETENTION MAY CONSIST OF EARTHEN BERM DEWATERING DEVICES, GEOTEXTILE DEWATERING BAG, OR BY TRUCK DEWATERING. EXISTING POND MUST BE PROTECTED BY SWPPP DEVICES.

TEMPORARY SPOIL RETENTION
NTS



VOLKERT Engineers Surveyors Planners		14101 PANAMA CITY BEACH PKWY SUITE 190 PANAMA CITY BEACH, FL 32413 TELEPHONE: (850) 588-1516 CERTIFICATE OF AUTHORIZATION 4641	
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LAKE CAROLINE MAINTENANCE DREDGE
CITY OF PANAMA CITY
BAY COUNTY

TYPICAL SECTION
AND STANDARD DETAIL

LEGEND

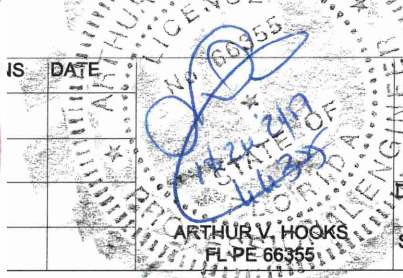
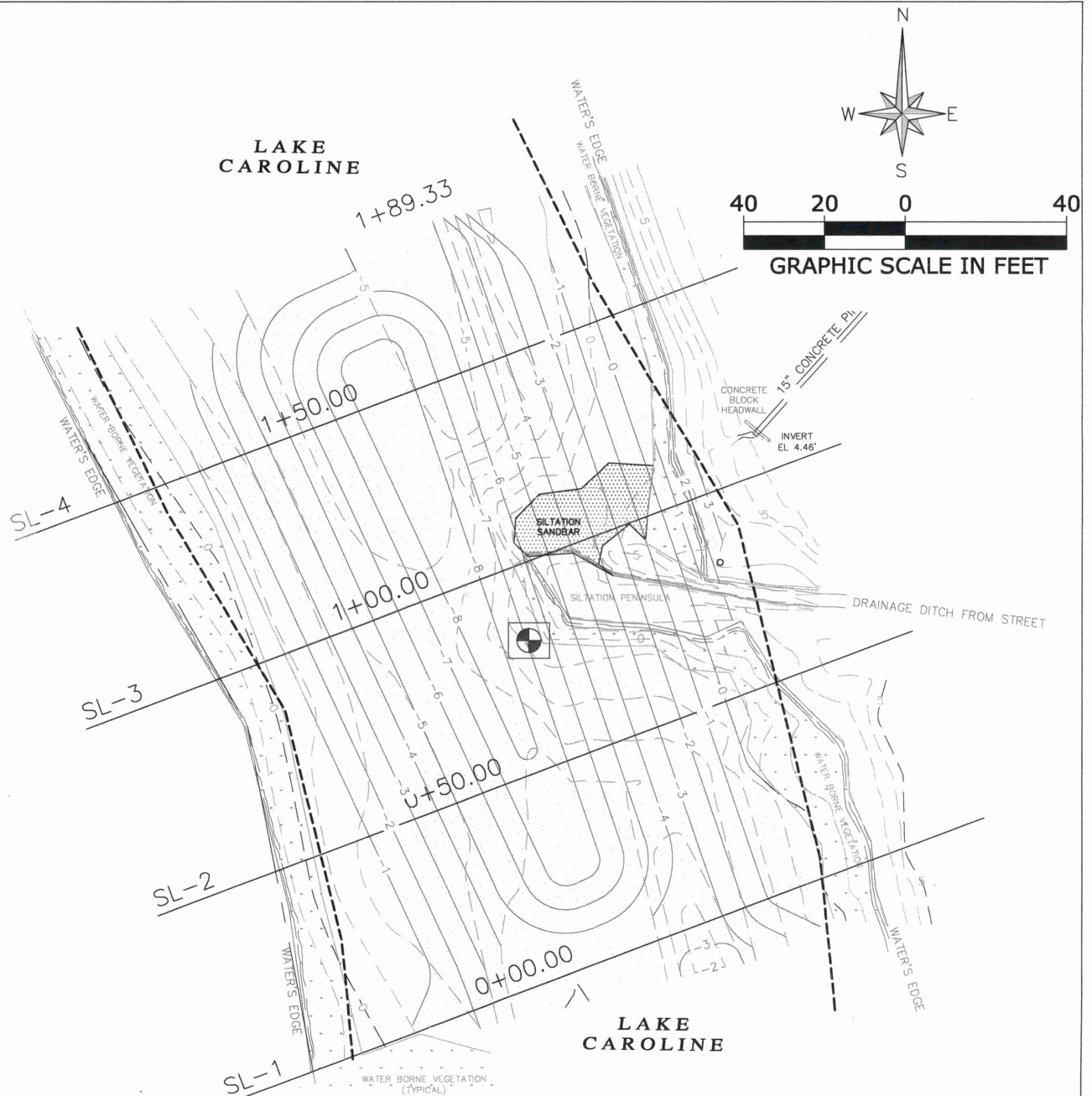
LIMITS OF DREDGING



LAKE CAROLINE BORING LOCATION (C-1)

LIMITS OF DREDGING PER

03-0302270-001-DF



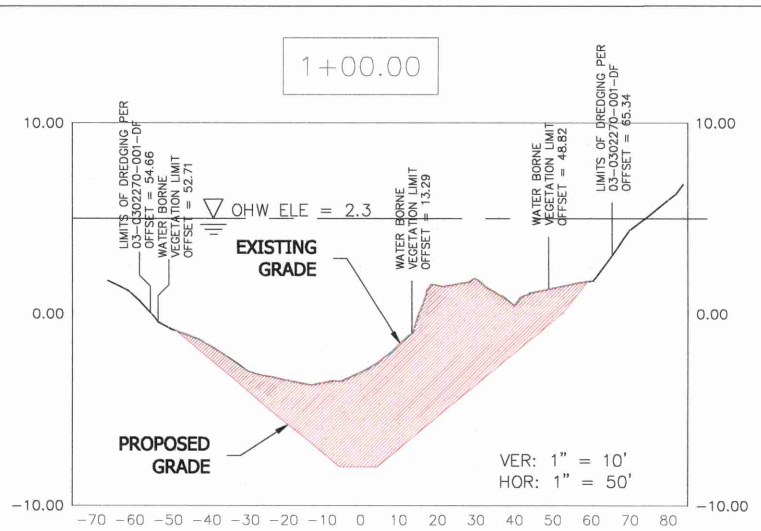
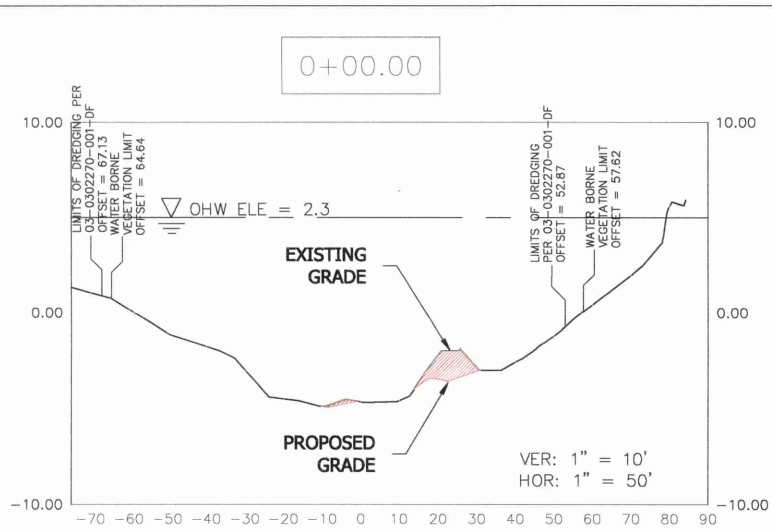
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LAKE CAROLINE MAINTENANCE DREDGE
CITY OF PANAMA CITY
BAY COUNTY

CROSS SECTION LOCATIONS
AND GEOTECHNICAL INFORMATION

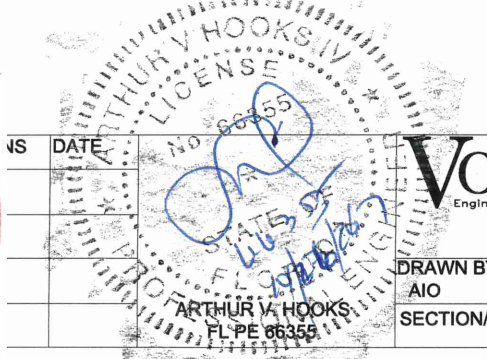
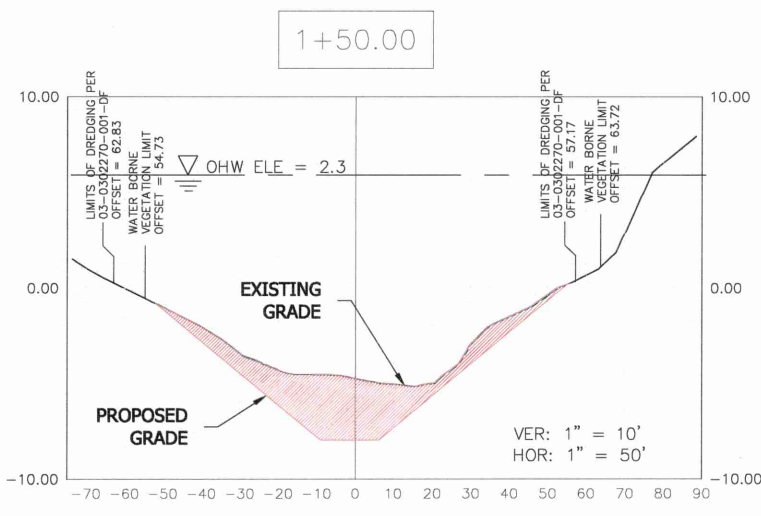
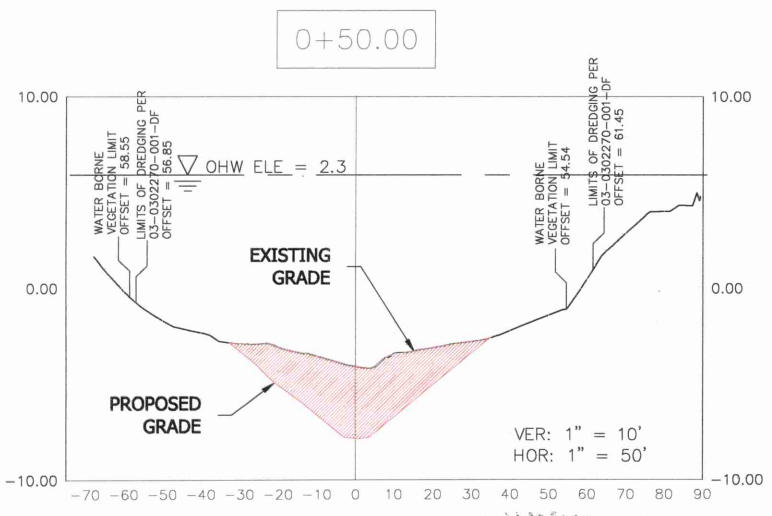


Cut/Fill Report		
Volume Summary		
Name	2d Area (Sq.Ft.)	Cut (Cu. Yd.)
VOLUME SURFACE	22739.59	1310.51

Summary of Classification & Index Testing
 Maintenance Dredging Project
 Panama City, Bay County, FL
 NOVA Project Number 7217094

Boring No.	Sample Depth (ft)	Percent (%) Passing #200 Sieve	USCS Soil Classification
C-1	0.0-1.0		0.9 SP
C-1	1.0-2.0		0.4 SP
C-1	2.0-3.0		0.4 SP
C-1	3.0-4.0		0.2 SP
C-1	4.0-5.0		1.1 SP
C-1	5.0-6.0		0.8 SP
C-1	6.0-7.0		0.7 SP
C-1	7.0-8.0		1.2 SP

LEGEND:
 SPOILS TO BE REMOVED



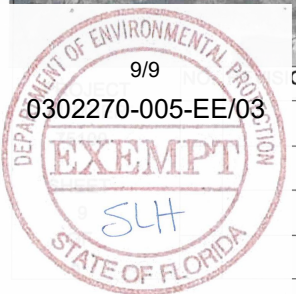
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LAKE CAROLINE MAINTENANCE DREDGE
CITY OF PANAMA CITY
BAY COUNTY

CROSS SECTIONS



DATE	NOV 15 2017	VOLKERT <small>Engineers • Surveyors • Planners</small>		14101 PANAMA CITY BEACH PKWY SUITE 190 PANAMA CITY BEACH, FL 32413 TELEPHONE: (850) 588-1516 CERTIFICATE OF AUTHORIZATION 4641	
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LAKE CAROLINE MAINTENANCE DREDGE
 CITY OF PANAMA CITY
 BAY COUNTY

SPOIL STORAGE LOCATION