



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
1002 WEST 23RD STREET, SUITE 350
PANAMA CITY, FLORIDA 32405

February 15, 2018

REPLY TO
ATTENTION OF

Regulatory Division
North Permits Branch
Panama City Permits Section
SAJ-2017-01667 (GP/NW-DEB)

Hugh McArthur
Office of Public Access and Wildlife Viewing Services Landscape Architect
Florida Fish and Wildlife Conservation Commission
2574 Seagate Drive, Suite 240
Tallahassee, Florida 32301

Dear Mr. McArthur:

The U.S. Army Corps of Engineers (Corps) assigned your application for a Department of the Army permit, which the Corps received on June 6, 2017, the file number SAJ-2017-01667. A review of the information and drawings provided indicates that the proposed work would result in constructing a public fishing pier with a 55 ft. by 11 ft. terminal section and a 50 ft. by 6 ft. access walk. A ditch crossing with a 1.5 ft. diameter culvert will provide access to an upland parking area for the fishing pier patrons. The project is located at the east shore of Cash Bayou adjacent to the County Road 65 Bridge, in Section 33, Township 7 south, Range 6 west, Franklin County, Florida.

The fishing pier component of your project, as depicted on the enclosed drawings, is authorized by Regional General Permit (RGP) Number 33. In addition, project specific conditions have been enclosed. This verification is valid until **April 8, 2018**. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant RGP is modified or revoked, you will have 12 months from the date of the modification or revocation of the RGP to complete the activity under the present terms and conditions of this RGP. Please access the Corps' Jacksonville District Regulatory Division Internet page to view the special and general conditions for SAJ-33, which apply specifically to this authorization. The Internet URL address is:

<http://www.saj.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and, then click on "General Permits." These files contain the description of the General Permits authorization, the General Permits general conditions, and the regional conditions, which apply specifically to this verification for RGP 33. Enclosed is a list of the six

General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The culverted ditch crossing portion of your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) Number 39. In addition, project specific conditions have been enclosed. This verification is valid until **March 18, 2022**. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Internet page to access Internet links to view the Final Nationwide Permits, Federal Register Vol. 82, dated January 6, 2017, specifically pages 1983 to 2008, and the table of Regional Conditions. The Internet page address is:

<http://www.saj.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and, then click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 39. Enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with this verification:

1. Reporting Address: The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:

a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, Florida 32232-0019.

b. For electronic mail SAJ-RD-Enforcement@usace.army.mil (not to exceed 10 MB). The Permittee shall reference this permit number, SAJ-2017-01667 (GP/NW - DEB), on all submittals.

2. Commencement Notification: Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall provide a written notification of the date of commencement of authorized work to the Corps.

3. Self-Certification: Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.

4. Cultural Resources/Historic Properties:

a. No structure or work shall adversely affect impact or disturb properties listed in the *National Register of Historic Places* (NRHP) or those eligible for inclusion in the NRHP.

b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures 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 and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). 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. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The

Corps shall then notify the appropriate SHPO and THPO(s). 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. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

5. Erosion Control: Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized.

6. Turbidity controls:

- a. Shall be used throughout construction to control erosion and siltation and ensure that turbidity levels within the project area do not exceed background conditions.
- b. Shall be made of material in which listed species cannot become entangled (i.e., reinforced impermeable polycarbonate vinyl fabric [PVC]), and shall be monitored to ensure listed species are not entangled or trapped in the project area.
- c. Shall be removed promptly when the work is complete and the water quality in the project area has returned to background conditions.
- d. Shall not block entry to or exit from designated critical habitat.

7. Eastern Indigo Snake Protection Measures and Inspection: Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated August 12, 2013, as provided in Attachment A of this permit. All gopher tortoise burrows, active or inactive, shall be evacuated prior to site manipulation in the vicinity of the burrow. If excavating potentially occupied burrows, active or inactive, individuals must first obtain state authorization via a Florida Fish and Wildlife Conservation Commission (FWC) Authorized Gopher Tortoise Agent permit. The excavation method selected shall minimize the potential for injury of an indigo snake. The Permittee shall follow the excavation guidance provided in the most current FWC Gopher Tortoise Permitting Guidelines found at <http://myfwc.com/gophertortoise>. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. Holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area, and if occupied by an indigo snake, no work shall commence until the snake has vacated the vicinity of the proposed work.

8. Manatee Conditions: The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" (Attachment B).

9. Sea Turtle and Smalltooth Sawfish Conditions: The Permittee shall comply with National Marine Fisheries Service's "Sea Turtle and Smalltooth Sawfish Construction Conditions" dated March 23, 2006, (Attachment C).

10. Dock Construction Guidelines: The Permittee shall comply with the "Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV) Marsh or Mangrove Habitat USACE/NMFS August 2001" (Attachment D) for the dock construction and operation.

11. Species reporting: Any collision(s) with and/or injuries to any sea turtle, sawfish, 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) or by email to take report.nmfs@noaa.gov and CESAJ-ComplyDocs@usace.army.mil. Sea turtle and marine mammal stranding/rescue organizations' contact information is available by region at <http://www.nmfs.noaa.gov/pr/health/networks.htm>. Smalltooth sawfish encounters shall be reported to <http://www.flmnh.ufl.edu/fish/sharks/sawfish/sawfishencounters.html>. *Failure to report take of a federally listed threatened or endangered species may lead to suspension, revocation, or modification of this authorization. (From Section 3(18) of the Federal Endangered Species Act: The term 'take' means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct.)

12. Educational Signs: Signs must be posted and maintained in legible condition in a visible location(s), alerting users of listed species in the area susceptible to vessel strikes and hook-and-line captures. The educational signs that must be posted are contained in Appendix E.

13. Monofilament Recycling Bins: monofilament recycling bins must be provided at the docking facility to reduce the risk of turtle or sawfish entanglement in, or ingestion of, marine debris. Monofilament recycling bins must:

- Be constructed and labeled according to the instructions provided at <http://mrrp.myfwc.com>.
- Be maintained in working order and emptied frequently (according to <http://mrrp.myfwc.com> standards) so that they do not overflow.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact me by telephone at 850-763-0717 ex. 22.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Sincerely,

David Bishof
Project Manager

Enclosures

Copies Furnished: Catalina Weaver, Civil Engineer, Florida Fish and Wildlife Conservation Commission, Seagate Drive, Suite 240, Tallahassee, Florida 32301, Matthew Hortman, Biological Scientist, Florida Fish and Wildlife Conservation Commission, 558 South Murphy Road, Wewahitchka, Florida 32465

bcc:
CESAJ-RD-PE

GENERAL CONDITIONS
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on **March 18, 2022**.
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 in the space provided 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. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative 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.

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2017-01667 (GP/NW-DEB)

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 Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: SAJ-2017-01667

Permittee's Name & Address (please print or type): _____

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

PROPERTY IS INACCESSIBLE WITHOUT PRIOR NOTIFICATION: YES _____ NO _____

TO SCHEDULE AN INSPECTION PLEASE CONTACT _____
AT _____

Description of the Work (e.g. bank stabilization, residential or commercial filling, docks, dredging, etc.): _____

Acreage or Square Feet of Impacts to Waters of the United States: _____

Describe Mitigation completed (if applicable): _____

Describe any Deviations from Permit (attach drawing(s) depicting the deviations):

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Date

Attachment A

Standard Protection Measures for the Eastern Indigo Snake

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE
U.S. Fish and Wildlife Service
August 12, 2013

The eastern indigo snake protection/education plan (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida for use by applicants and their construction personnel. At least **30 days prior** to any clearing/land alteration activities, the applicant shall notify the appropriate USFWS Field Office via e-mail that the Plan will be implemented as described below (North Florida Field Office: jaxregs@fws.gov; South Florida Field Office: verobeach@fws.gov; Panama City Field Office: panamacity@fws.gov). As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the attached poster and brochure), no further written confirmation or “approval” from the USFWS is needed and the applicant may move forward with the project.

If the applicant decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or “approval” from the USFWS that the plan is adequate must be obtained. At least 30 days prior to any clearing/land alteration activities, the applicant shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

The Plan materials should consist of: 1) a combination of posters and pamphlets (see **Poster Information** section below); and 2) verbal educational instructions to construction personnel by supervisory or management personnel before any clearing/land alteration activities are initiated (see **Pre-Construction Activities** and **During Construction Activities** sections below).

POSTER INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (a final poster for Plan compliance, to be printed on 11” x 17” or larger paper and laminated, is attached):

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands

and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION UNDER FEDERAL AND STATE LAW: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. “Taking” of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. “Take” is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the live eastern indigo snake sufficient time to move away from the site without interference;
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant’s designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

Telephone numbers of USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office – (904) 731-3336
Panama City Field Office – (850) 769-0552
South Florida Field Office – (772) 562-3909

PRE-CONSTRUCTION ACTIVITIES

1. The applicant or designated agent will post educational posters in the construction office and throughout the construction site, including any access roads. The posters must be clearly visible to all construction staff. A sample poster is attached.
2. Prior to the onset of construction activities, the applicant/designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational brochure including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office (a final brochure for Plan compliance, to be printed double-sided on 8.5" x 11" paper and then properly folded, is attached). Photos of eastern indigo snakes may be accessed on USFWS and/or FWC websites.
3. Construction staff will be informed that in the event that an eastern indigo snake (live or dead) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Field Office. The contact information for the USFWS is provided on the referenced posters and brochures.

DURING CONSTRUCTION ACTIVITIES

1. During initial site clearing activities, an onsite observer may be utilized to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
2. If an eastern indigo snake is discovered during gopher tortoise relocation activities (i.e. burrow excavation), the USFWS shall be contacted within one business day to obtain further guidance which may result in further project consultation.
3. Periodically during construction activities, the applicant's designated agent should visit the project area to observe the condition of the posters and Plan materials, and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.

POST CONSTRUCTION ACTIVITIES

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion. The report can be sent electronically to the appropriate USFWS e-mail address listed on page one of this Plan.



ATTENTION:

THREATENED EASTERN INDIGO SNAKES MAY BE PRESENT ON THIS SITE!!!

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site without interference.
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant's designated agent, **and** the appropriate U.S. Fish and Wildlife Service (USFWS) office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant's designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office – (904) 731-3336

Panama City Field Office – (850) 769-0552

South Florida Field Office – (772) 562-3909

Killing, harming, or harassing indigo snakes is strictly prohibited and punishable under State and Federal Law.

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. "Taking" of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. "Take" is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

Attachment B

Standard Manatee Conditions for In-Water Work

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

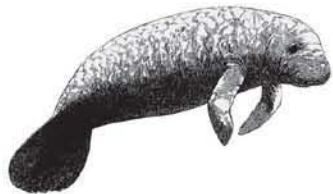
All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

Attachment C

Sea Turtle and Smalltooth Sawfish Construction Conditions



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



Attachment D

Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in
or over Submerged Aquatic Vegetation (SAV) Marsh or Mangrove Habitat

**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
November 2017**

Submerged Aquatic Vegetation:

1. Avoidance. The piling-supported structure shall be aligned so as to minimize the size of the footprint over SAV beds.
2. The height of piling-supported structure shall be a minimum of 5 feet above MHW/OHW as measured from the top surface of the decking.
3. The width of the piling-supported structure is limited to a maximum of 4 feet. A turnaround area is allowed for piling-supported structures greater than 200 feet in length. The turnaround is limited to a section of the piling-supported structure no more than 10 feet in length and no more than 6 feet in width. The turnaround shall be located at the midpoint of the piling-supported structure.
4. Over-SAV bed portions of the piling-supported structure shall be oriented in a north-south orientation to the maximum extent that is practicable.
5. a. If possible, terminal platforms shall be placed in deep water, waterward of SAV beds or in an area devoid of SAV beds.

b. If a terminal platform is placed over SAV areas and constructed of grated decking, the total size of the platform shall be limited to 160 square feet. The grated deck material shall conform to the specifications stipulated below. The configuration of the platform shall be a maximum of 8 feet by 20 feet. A minimum of 5 feet by 20 feet shall conform to the 5-foot height requirement; a 3 feet by 20 feet section may be placed 3 feet above MHW to facilitate boat access. The long axis of the platform should be aligned in a north-south direction to the maximum extent that is practicable.

c. If the terminal platform is placed over SAV areas and constructed of planks, the total size of the platform shall be limited to 120 square feet. The configuration of the platform shall be a maximum of 6 feet by 20 feet of which a minimum 4-foot wide by 20-foot long section shall conform to the 5-foot height requirement. A section may be placed 3 feet above MHW to facilitate boat access. The 3 feet above MHW section shall be cantilevered. The long axis of the platform should be aligned in a north-south direction to the maximum extent that is practicable. If the 3 feet above MHW section is constructed with grating material, it may be 3 feet wide.
6. One uncovered boat lift area is allowed. A narrow catwalk (2 feet wide if planks are used, 3 feet wide if grating is used) may be added to facilitate boat maintenance along the outboard side of the boat lift and a 4-foot wide walkway may be added along the stern end of the boat lift, provided all such walkways are elevated 5 feet above MHW. The catwalk shall be cantilevered from the outboard mooring pilings (spaced no closer than 10 feet apart).
7. Pilings shall be installed in a manner which will not result in the formation of sedimentary deposits("donuts" or "halos") around the newly installed pilings. Pile driving is the preferred method of installation, but jetting with a low pressure pump may be used.
8. The spacing of pilings through SAV beds shall be a minimum of 10 feet on center.
9. The gaps between deckboards shall be a minimum of ½ inch.

October 2002 - Grid Specifications and Suppliers Section modified to add an additional vendor of materials.

February 2003 – Manufacturer name changed from ChemGrate to FiberGrate

May 2003 - The terms dock and pier were removed and replaced by the term piling-supported structure, to clarify our intent.

March 2008 – Added requirement for 43% open space in grids; added additional manufacturer of grating.

November 2017 – Manufacturer of grated material updated to include Voyager Industries.

Marsh:

1. The piling-supported structure shall be aligned so as to have the smallest over-marsh footprint as practicable.
2. The over-marsh portion of the piling-supported shall be elevated to at least 4 feet above the marsh floor.
3. The width of the piling-supported is limited to a maximum of 4 feet. Any exceptions to the width must be accompanied by an equal increase in height requirement.

Mangroves.

1. The width of the piling-supported structure is limited to a maximum of 4 feet.
2. Mangrove clearing is restricted to the width of the piling-supported structure.
3. The location and alignment of the piling-supported structure should be through the narrowest area of the mangrove fringe.

Grid Specifications and Suppliers

The following information does not constitute a U.S. Army Corps of Engineers endorsement or advertisement for any particular provider and is provided only as an example for those interested in obtaining these materials for piling-supported structure construction. Light-transmitting materials are made of various materials shaped in the form of grids, grates, lattices, etc., to allow the passage of light through the open spaces. **All light-transmitting materials used in construction for minor piling-supported structures shall have a minimum of forty-three (43) percent open space.**

A type of fiberglass grate panel is manufactured by SeaSafe (Lafayette, LA; phone: 1-800-326-8842) and FiberGrate (1-800-527-4043). A type of plastic grating is manufactured by ThruFlow Interlocking Panels (1-888-478-3569). Plastic grate panels are also distributed by Southern Pine Lumber Company (Stuart, FL; 772-692-2300). Grated panels can be obtained from Titan Deck/Voyager Industries (Brandon, MN; 877-207-4136; www.titandeck.net). Panels are available in a variety of sizes and thicknesses. For safety, the grate should contain an anti-slip texture which is integrally molded into the top surface. The manufacturer or local distributor should be consulted to ensure that the load-bearing capacity of the selected product is sufficient to support the intended purpose. Contact the manufacturer(s) for product specifications and a list of regional distributors.

October 2002 - Grid Specifications and Suppliers Section modified to add an additional vendor of materials.

February 2003 – Manufacturer name changed from ChemGrate to FiberGrate

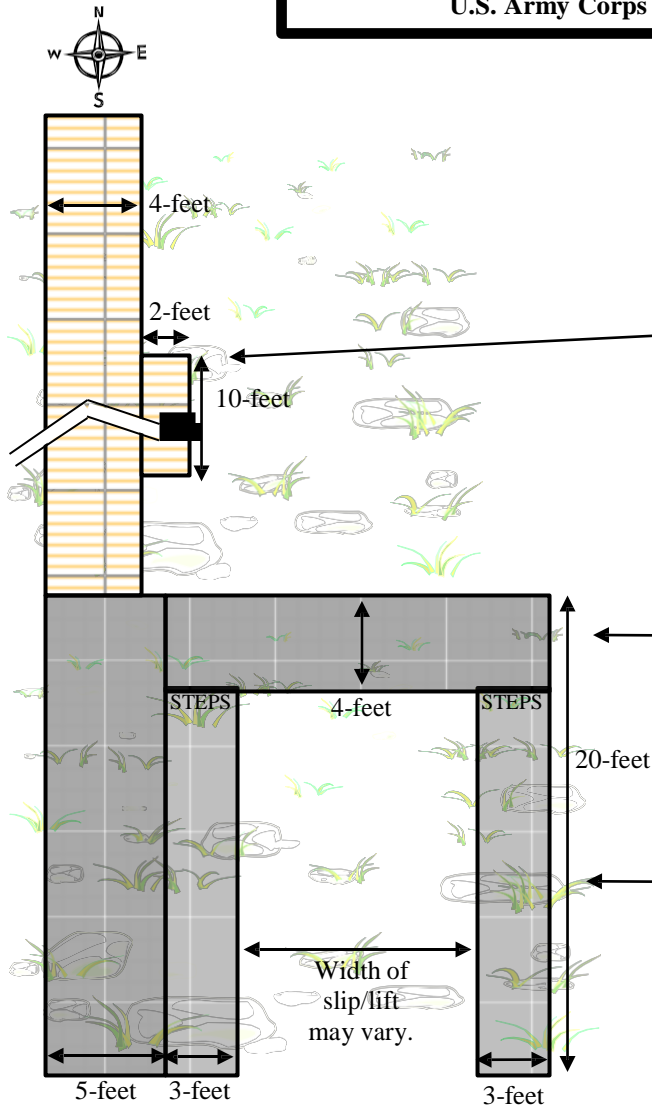
May 2003 - The terms dock and pier were removed and replaced by the term piling-supported structure, to clarify our intent.

March 2008 – Added requirement for 43% open space in grids; added additional manufacturer of grating.

November 2017 – Manufacturer of grated material updated to include Voyager Industries.

DOCK EXAMPLE — GRATED TERMINAL PLATFORM

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



OVERHEAD PLAN VIEW

“GRATED DECKING”
 Means manufactured with a minimum of 43% open space.

Spacing of pilings through SAV beds shall be a minimum of 10-feet on center.

MIDPOINT TURNAROUND
 Only for docks over 200-feet long.

LIFT ONLY
 No roof.
 Vessel should be stored as high above MHW as possible.

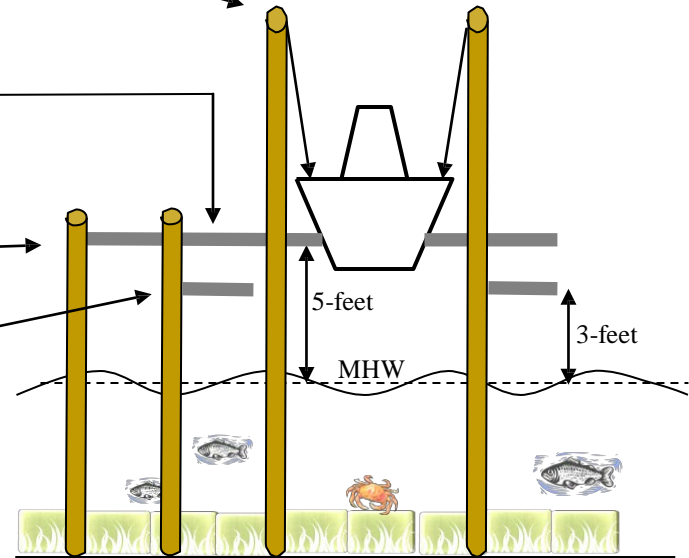
STERN WALKWAY
 Allowed if lift constructed.
 May be less than 4-feet wide if longer slip is needed.

MINIMUM HEIGHT
 No less than 5-feet above MHW

ACCESS CATWALKS
 3-feet wide if grated decking.
 3-feet above MHW to facilitate boat access.
 Cantilevered off main structures;
 no additional pilings.

NOTES:

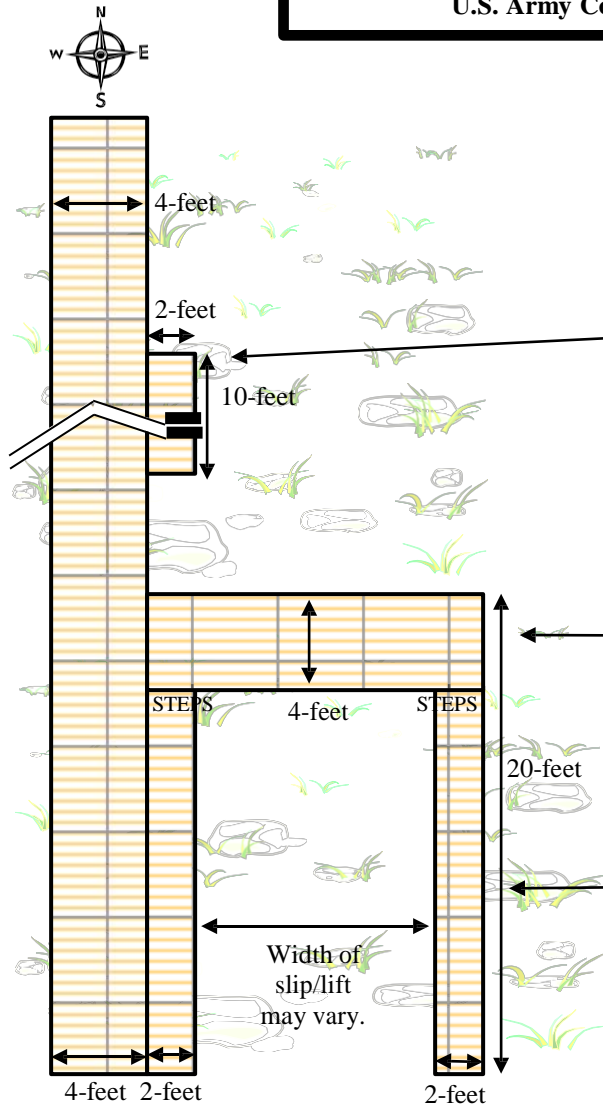
- Not to scale.
- All widths are maximum dimension.
- All heights are minimum dimension.
- Piling supported structures over SAV should be oriented north-south to the extent practicable.
- MHW = mean high water



FRONT PLAN VIEW

DOCK EXAMPLE — WOOD PLANK TERMINAL PLATFORM

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



OVERHEAD PLAN VIEW

The gaps between deckboards shall be a minimum of 1/2 inch.

Spacing of pilings through SAV beds shall be a minimum of 10-feet on center.

MIDPOINT TURNAROUND
 Only for docks over 200-feet long.

LIFT ONLY
 No roof.
 Vessel should be stored as high above MHW as possible.

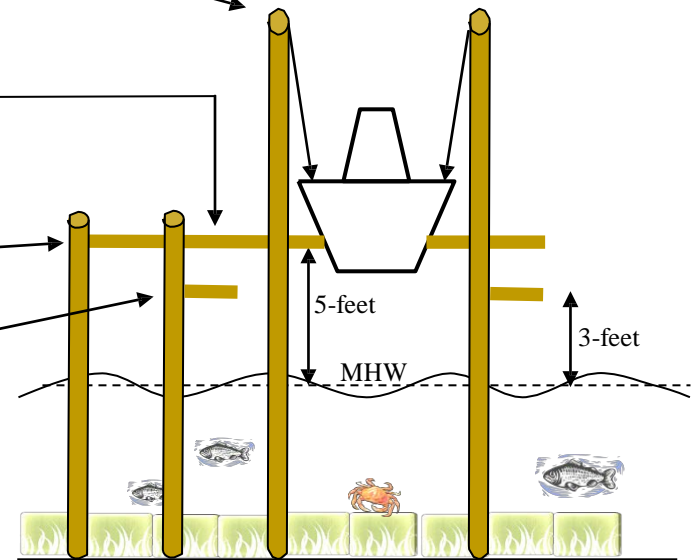
STERN WALKWAY
 Allowed if lift constructed.
 May be less than 4-feet wide if longer slip is needed.

MINIMUM HEIGHT
 No less than 5-feet above MHW

ACCESS CATWALKS
 2-feet wide if wood decking.
 3-feet above MHW to facilitate boat access.
 Cantilevered off main structures;
 no additional pilings.

NOTES:

- Not to scale.
- All widths are maximum dimension.
- All heights are minimum dimension.
- Piling supported structures over SAV should be oriented north-south to the extent practicable.
- MHW = mean high water



FRONT PLAN VIEW

Attachment E
Educational Signs

Save Sea Turtles, Sawfish, and Dolphins

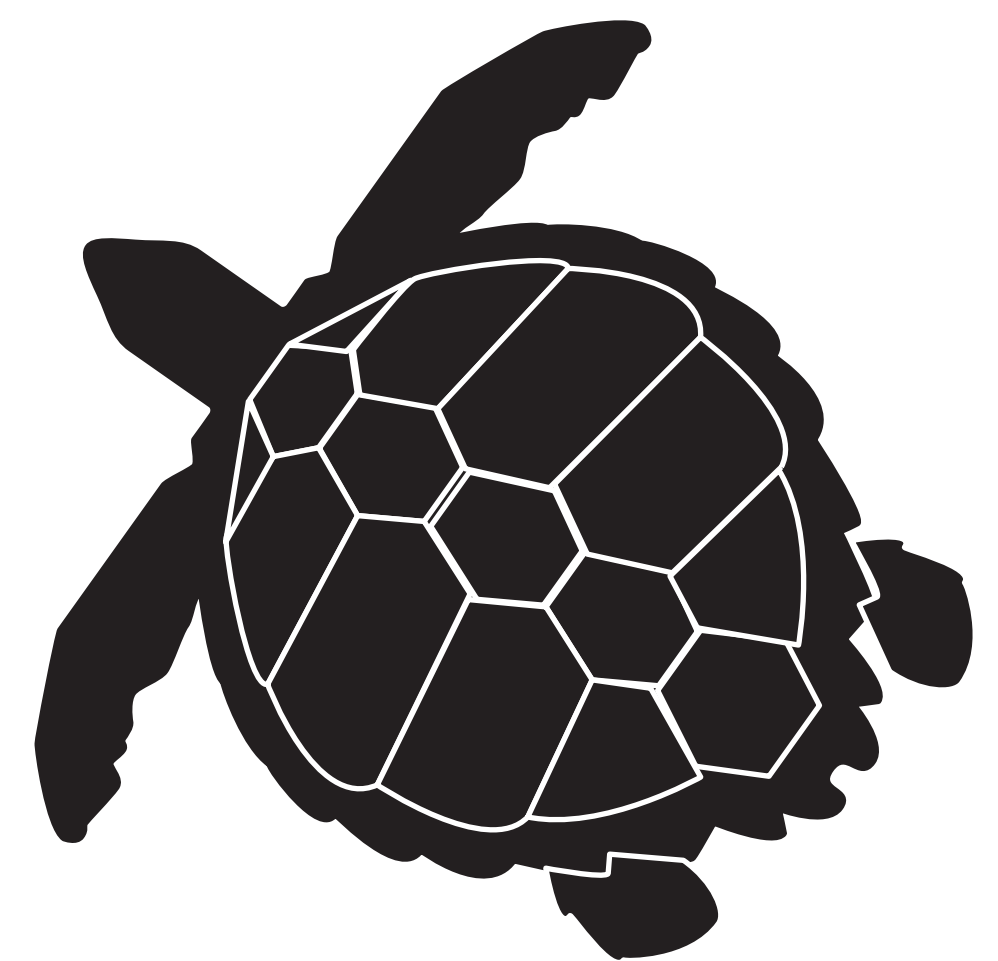
While Fishing, Following These Tips:

- Report injured, entangled, hooked, or stranded dolphins and sea turtles to the 24-hour hotline:

1-877-942-5343

Download the
Dolphin & Whale 911 app
on your iPhone or Android
for reporting
marine mammals.

- Never cast towards dolphins, sea turtles, or sawfish.
- Change location or reel in your line if a dolphin, sea turtle, or sawfish shows interest in your bait or catch.
- Release catch away from dolphins when and where possible without violating any state or federal fishing regulations.
- Do not feed or attempt to feed wild dolphins or sea turtles - it's harmful and illegal.
- Do not dispose of leftover bait or cleaned fish remains in water.
- Use circle or corrodible (non-stainless steel) hooks to reduce injury.
- Use recycling bins for fishing line and do not throw trash or unwanted line in the water.
- If you hook a **SEA TURTLE**, immediately call the 24-hour hotline at **1-877-942-5343** and follow response team instructions.

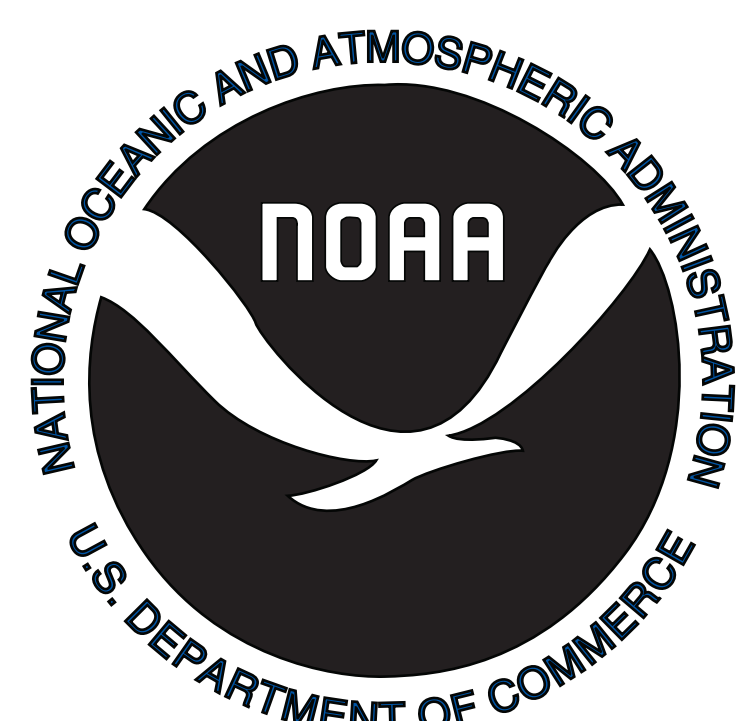
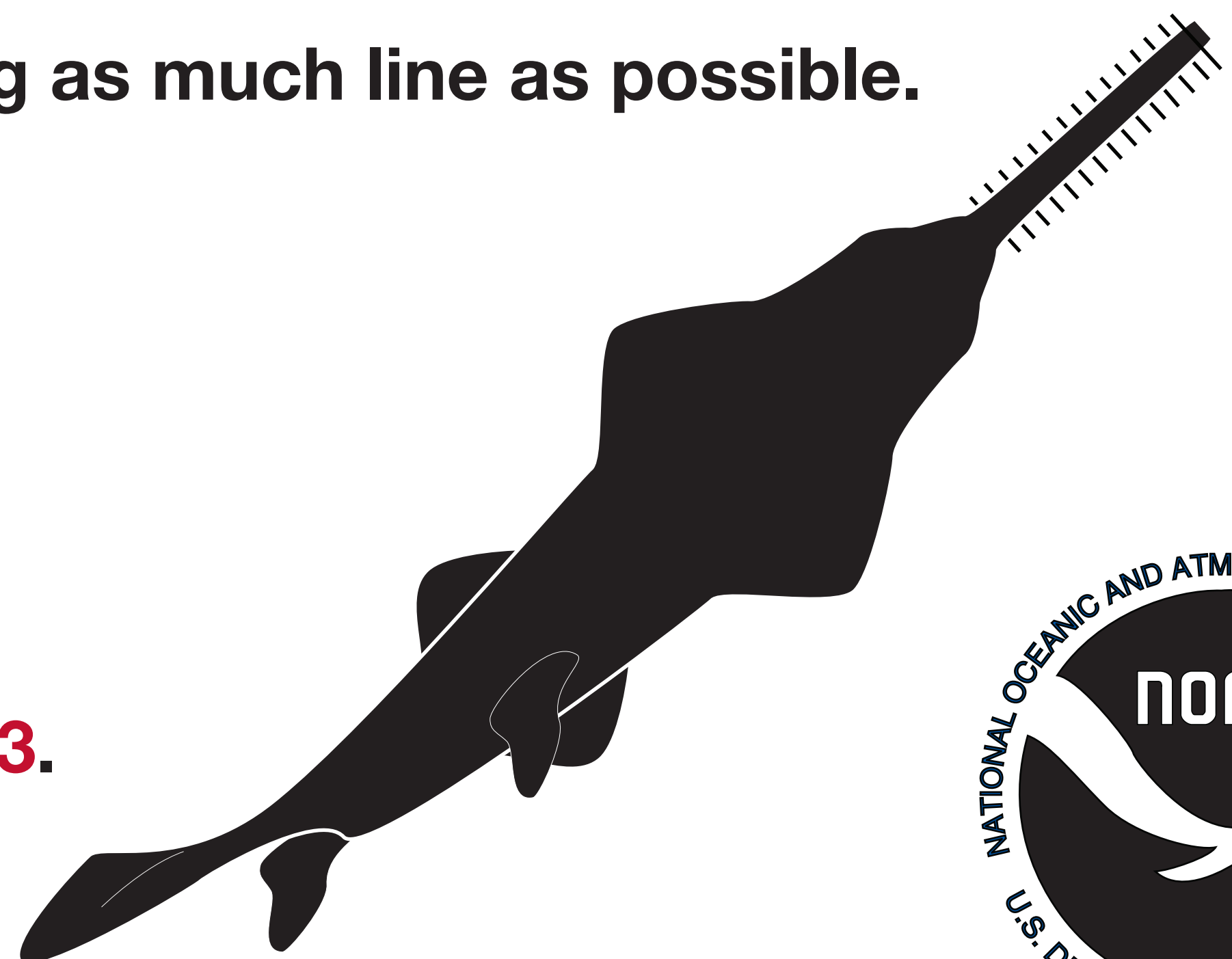


If you cannot reach a response team, follow these guidelines to reduce injuries:

- 1) If possible, use a net or lift by the shell to bring the turtle on pier or land.
Do NOT lift by hook or line.
- 2) Cut the line close to the hook, removing as much line as possible.
- 3) Release turtle.

- If you hook a **SAWFISH**:

- 1) Do not remove the fish from the water.
- 2) Cut the line close to the hook.
- 3) Release it as quickly as possible.
- 4) Report it immediately to **1-941-255-7403**.



REPORT STURGEON



If you catch a sturgeon or find one dead, call the Southeast U.S. Sturgeon Hotline:

1-844-STURG 911

(1-844-788-7491)

Or email: nmfs.ser.sturgeonnetwork@noaa.gov

Support scientific research by reporting the following observations to the Southeast U.S. Sturgeon Hotline:

- **specific location where the fish was caught or found**
(if alive, do not remove from the water, cut the line as close to the hook as possible, and release it. if it is dead, do not touch or move it),
- **the condition of the caught or dead fish**
(e.g. level of decay and signs of trauma or injury),
- **presence of scientific research tags**
(report color and writing on the tags),
- **the estimated length of the fish**
(from nose to end of tail), and
- **if possible, a picture of the entire fish**
(this will allow for proper species identification).



<http://sero.nmfs.noaa.gov>

**Sturgeon are federally protected in the Southeast U.S.
It's illegal to harm or keep them.**

Attachment F

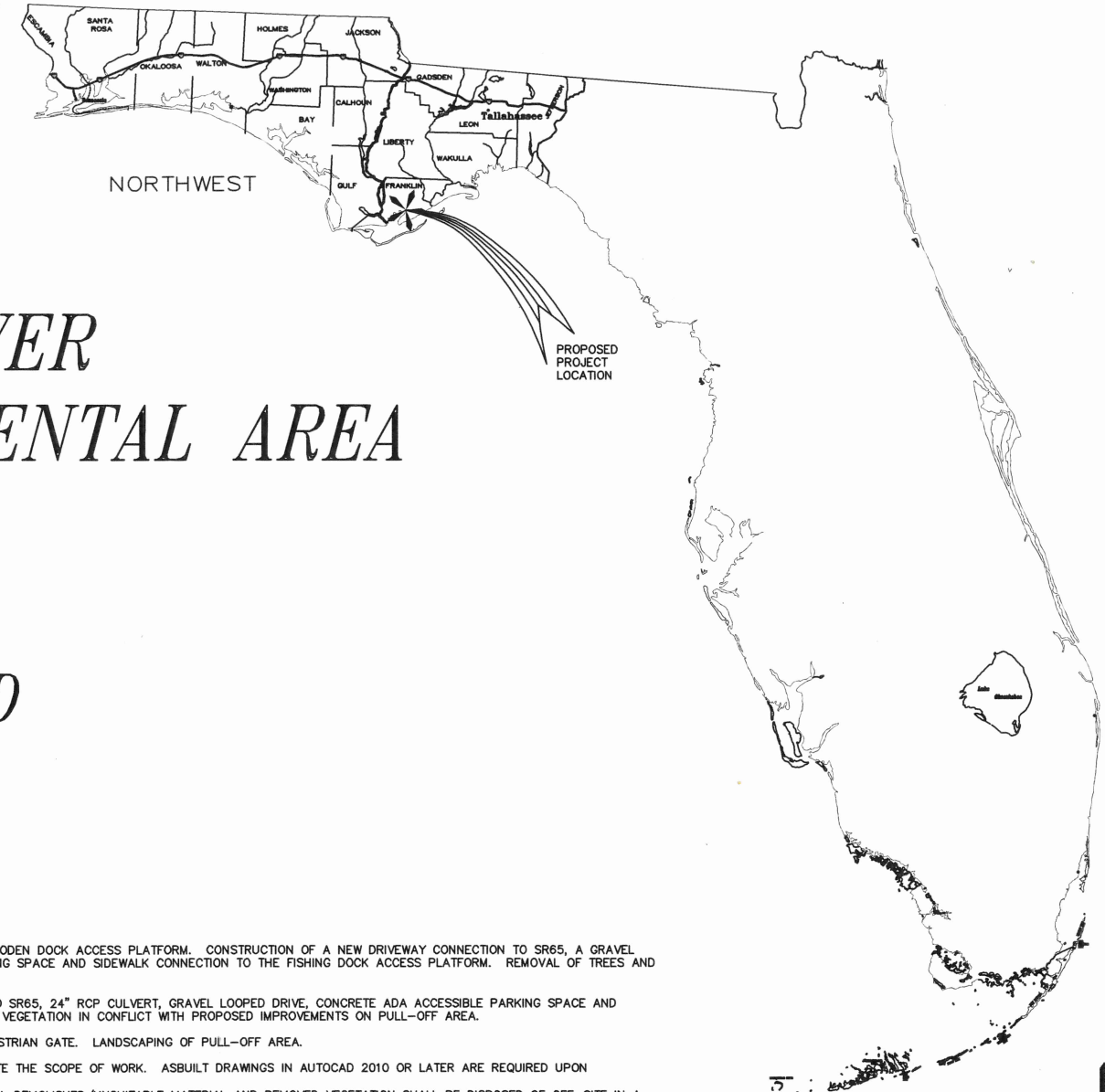
Approved Project Plans

29°48'59.71"N
 84°50'51.69"W
 S33 T7S R6W
 Quad Name: GREEN POINT
 Parcel ID: 33-07S-06W-0000-0070-0000

DIRECTIONS TO SITE: FROM SR98 IN GREEN POINT, FLORIDA, TURN NORTH ONTO SR65N/BIG BEND SCENIC BYWAY FOREST TRAIL. PROJECT SITE WILL BE ON THE LEFT AFTER 4.4 MILES.



SAJ-2017-01667 (NW/GP-DEB)
 FFWCC Cash Bayou – Fishing Pier
 Sheet 1 of 11, February 15, 2018



APALACHICOLA RIVER WILDLIFE AND ENVIRONMENTAL AREA

NORTHWEST REGION
 FRANKLIN COUNTY

CASH BAYOU FISHING DOCK AND PULL OFF



PROJECT LOCATION
 N.T.S.

SCOPE OF PROJECT

PROJECT DESCRIPTION: CONSTRUCTION OF A 10' X 54' WOODEN FISHING DOCK AND A 6' X 75' WOODEN DOCK ACCESS PLATFORM. CONSTRUCTION OF A NEW DRIVEWAY CONNECTION TO SR65, A GRAVEL DRIVE AND ONE GRAVEL PARKING SPACE. CONSTRUCTION OF A CONCRETE ADA ACCESSIBLE PARKING SPACE AND SIDEWALK CONNECTION TO THE FISHING DOCK ACCESS PLATFORM. REMOVAL OF TREES AND VEGETATION IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AT FISHING DOCK AREA.

ADDITIONAL ITEM #1: CONSTRUCTION OF PULL OFF AREA INCLUDING NEW DRIVEWAY CONNECTION TO SR65, 24" RCP CULVERT, GRAVEL LOOPED DRIVE, CONCRETE ADA ACCESSIBLE PARKING SPACE AND SIDEWALK, 3-PANEL INFORMATION SIGN, AND 4 GRAVEL PARKING SPOTS. REMOVAL OF TREES AND VEGETATION IN CONFLICT WITH PROPOSED IMPROVEMENTS ON PULL-OFF AREA.

ADDITIONAL ITEM #2: CONSTRUCTION OF 2-RAIL FENCE AROUND PULL-OFF AREA, INCLUDING PEDESTRIAN GATE. LANDSCAPING OF PULL-OFF AREA.

PROJECT TO INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, AND INSURANCE NECESSARY TO COMPLETE THE SCOPE OF WORK. ASBUILT DRAWINGS IN AUTOCAD 2010 OR LATER ARE REQUIRED UPON COMPLETION OF CONSTRUCTION. ANY ITEM NOT SPECIFICALLY LISTED AS AN ADDITIONAL ITEM IS PART OF THE SCOPE OF WORK. ALL DEMOLISHED/UNSUITABLE MATERIAL AND REMOVED VEGETATION SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.

NOTES:

1. ANY PRODUCT SPECIFIED BY BRAND OR MANUFACTURER WITHIN THE PLANS AND SPECIFICATIONS MAY BE SUBSTITUTED BY THE CONTRACTOR WITH AN EQUAL OR BETTER PRODUCT AFTER OBTAINING WRITTEN APPROVAL FROM THE OWNER.
2. WHERE COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED, NOTED, OR DRAWN FOR THE SAME ITEM OR ITEMS, AND THEY ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, THE MOST STRINGENT ITEM OR ITEMS MAY BE REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER. ALL SUCH CONFLICTS ARE TO BE REFERRED TO THE OWNER FOR A FINAL DETERMINATION AS WHAT WILL BE REQUIRED BEFORE PROCEEDING WITH THE WORK IN QUESTION.

INDEX OF DRAWINGS

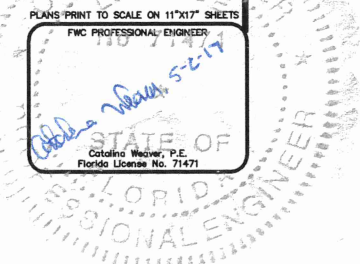
- CVR COVER
- DEP1 PROPOSED FISHING DOCK SITE PLAN
- DEP2 PROPOSED FISHING DOCK GRADING AND DIMENSION PLAN
- DEP3 PROPOSED PULL OFF SITE PLAN
- DEP4 PROPOSED PULL OFF GRADING AND DIMENSION PLAN
- DEPA-DETAILS
- S100 STRUCTURAL GENERAL NOTES AND SECTIONS
- S101 DOCK FRAMING AND PILE PLANS
- S102 DOCK PLAN FRAMING PLAN
- S103 DOCK FRONT AND SIDE ELEVATIONS
- S104 DOCK SECTIONS

RECEIVED
 MAY 03 2017
 NORTHWEST FLORIDA
 DEP

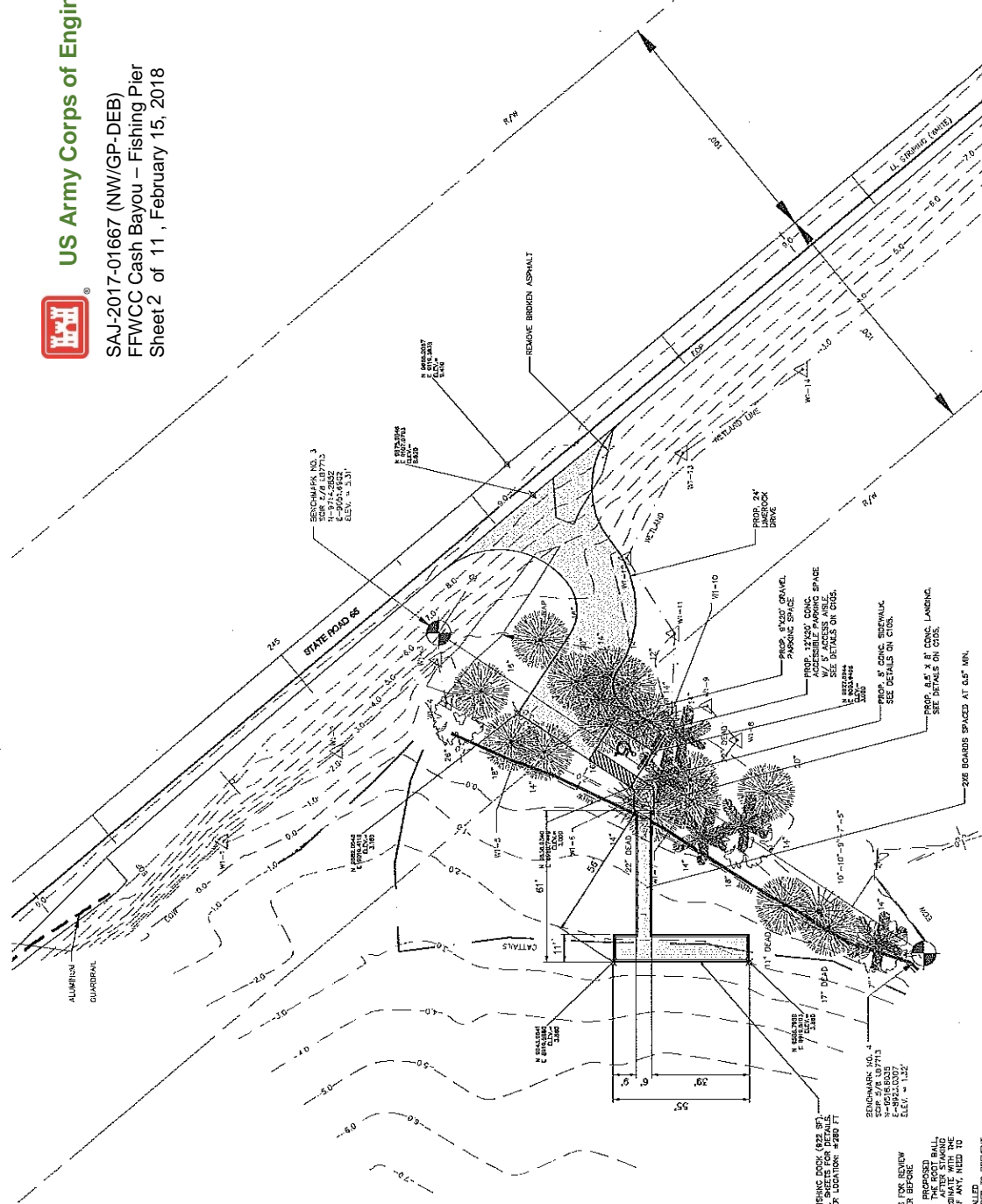
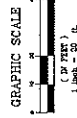
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
 PUBLIC ACCESS SERVICES OFFICE
 PLANNING AND DESIGN SECTION

620 South Meridian Street
 Tallahassee, FL 32399-1800
 (850) 921-9931

INITIAL ISSUE DATE	1-9-17
SYMBOL	REVISION DATE
Δ	CHANGES PER FDEP RAI 3-6-17



APALACHICOLA RIVER WEA
 CASH BAYOU FISHING DOCK AND PULL OFF



- LEGEND**
- ELEV. - ELEVATION
 - R.S. - REGISTERED LAND SURVEYOR
 - FCM - FOUND CONCRETE MONUMENT
 - EPF - EDGE OF PAVING
 - LP - LICENSED PROFESSIONAL ENGINEER AND ARCHITECT
 - LS - LICENSED SURVEYOR
 - CR - SET CURBED RADIUS
 - HA - NORTH AMERICAN HORIZONTAL DATUM
 - VA - NORTH AMERICAN VERTICAL DATUM
 - W-1 - WETLAND FLAG DESIGNATION
 - W-1 - RIGHT OF WAY
 - - DENOTES BENCHMARK
 - - DENOTES SINGLE SUPPORT SON
 - - WETLAND LINE
 - △ - DENOTES WETLAND FLAG
 - - DENOTES PINE TREE
 - - DENOTES OAK TREE
 - - DENOTES PALM TREE
 - - DENOTES CYPRESS TREE

PROJECT TITLE: **APALACHICOLA RIVER WILDLIFE AND ENVIRONMENTAL AREA**

PROJECT FILE: **PROPOSED FISHING DOCK SITE PLAN**

PROFESSIONAL REGISTRATION: []

PROJ. NO.: **C101**

PROJ. NO.: []

PROJ. DATE: []

PROJ. BY: []

PROJ. TITLE: []

PROJ. NO.: []

PROJ. NO.: []

PROJ. DATE: []

PROJ. BY: []

PROJ. TITLE: []

PROJ. NO.: []

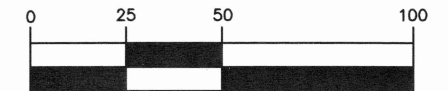
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

950 South Meridian Street
 Tallahassee, FL 32304
 (904) 487-9931

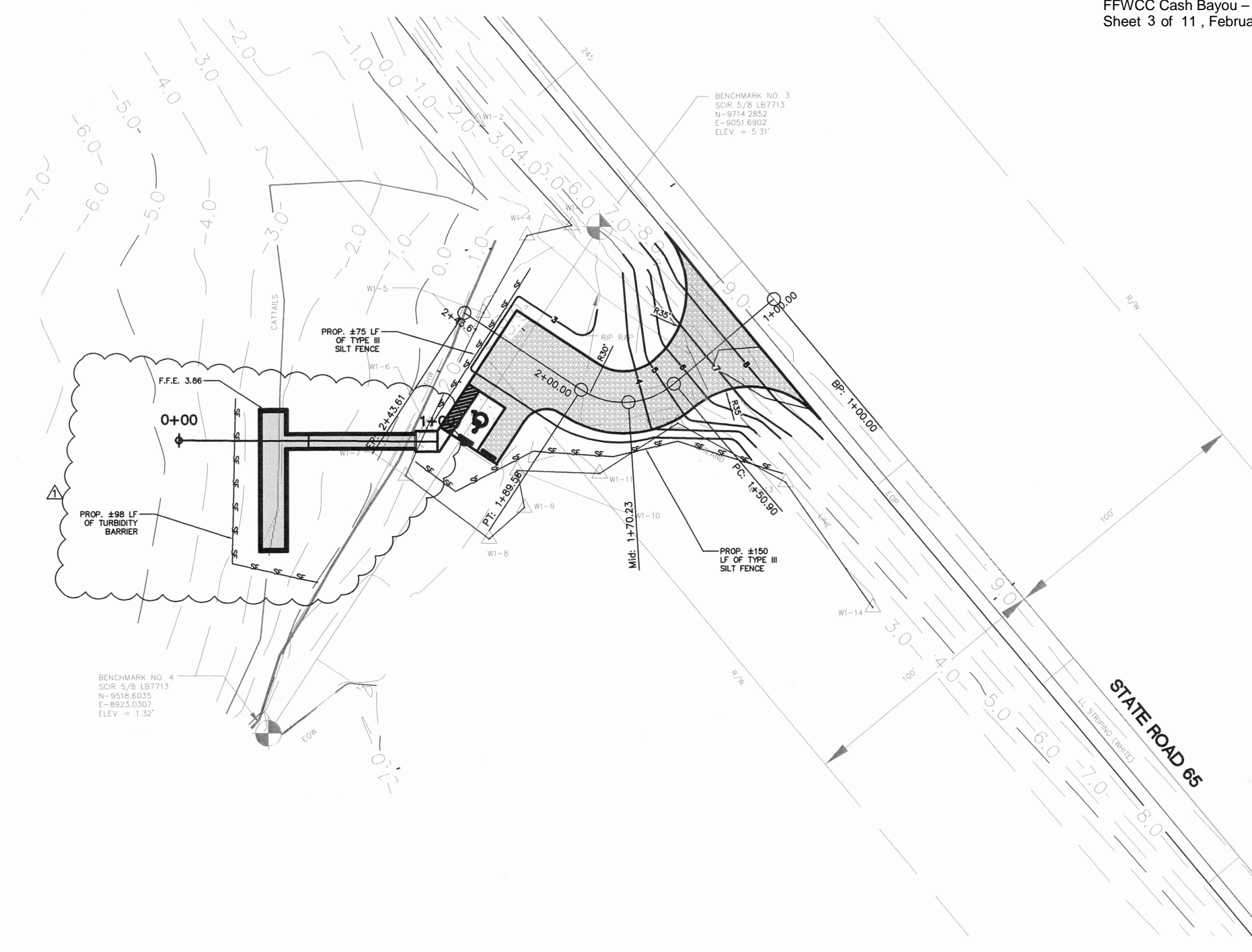
- NOTES**
1. CONTRACTOR SHALL STAKE THE IMPROVEMENTS FOR REVIEW AND APPROVAL BY THE FIC PROJECT MANAGER BEFORE.
 2. TREES AND VEGETATION IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED. THE CONTRACTOR SHALL COORDINATE WITH THE FIC PROJECT MANAGER TO PRESERVE ANY TREES TO BE PRESERVED.
 3. THE CONTRACTOR SHALL PROVIDE A PROTECTION PLAN FOR THE DOWNSTREAM OF NEW FISHING DOCK AS REQUIRED TO PREVENT SOLUTION OF DREDGE. SEE SHEET C102 FOR DETAILS.














GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.




LEGEND

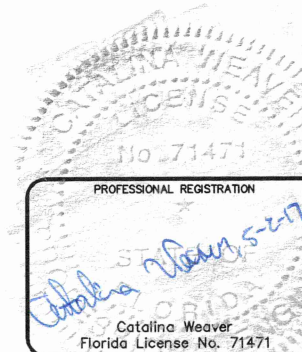
- ELEV. - ELEVATION
- RLS - REGISTERED LAND SURVEYOR
- S.J.P.C. - ST. JOE PAPER COMPANY
- FCM - FOUND CONCRETE MONUMENT
- EOP - EDGE OF PAVING
- PSM - PROFESSIONAL SURVEYOR AND MAPPER
- LB - LICENSED BUSINESS
- SCIR - SET CAPPED IRON ROD
- MHW - MEAN HIGH WATER
- NAVD - NORTH AMERICAN VERTICAL DATUM
- NAD - NORTH AMERICAN DATUM
- EOW - EDGE OF WATER
- W1-1 - WETLAND FLAG DESIGNATION
- R/W - RIGHT OF WAY
-  DENOTES BENCHMARK
-  DENOTES SINGLE SUPPORT SIGN
-  WETLAND LINE
-  DENOTES WETLAND FLAG
-  DENOTES PINE TREE
-  DENOTES OAK TREE
-  DENOTES PALM TREE
-  DENOTES CYPRESS TREE
-  8.0 EXISTING GRADE
-  PROPOSED GRADE
-  SILT FENCE

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

620 South Meridian Street
Tallahassee, FL 32399-1600
(850) 921-9931

INITIAL ISSUE DATE	1-9-17	
SYMBOL	REVISION	DATE
	CHANGES PER FDEP RAI	3-6-17

DESIGNER : CW
DRAWN BY: CW
COMP. FILE No.
STATE PROJECT No.



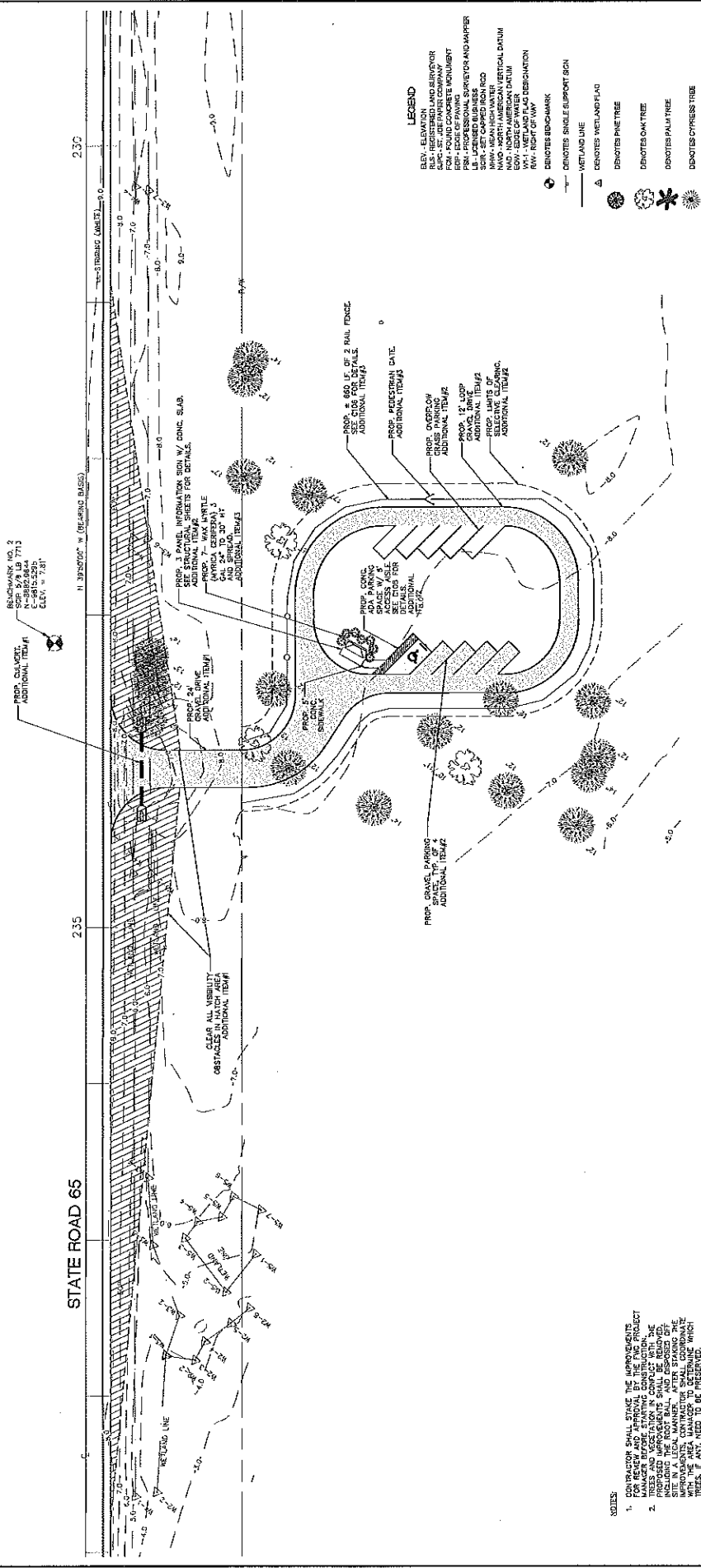
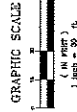
APALACHICOLA RIVER WILDLIFE AND ENVIRONMENTAL AREA

SHEET TITLE	PROPOSED FISHING DOCK GRADING AND DIMENSION PLAN
PROJECT TITLE	CASH BAYOU FISHING DOCK AND PULL OFF
SHEET NO.	DEP2



US Army Corps of Engineers

SAJ-2017-01667 (NW/GP-DEB)
FFWCC Cash Bayou - Fishing Pier
Sheet 4 of 11, February 15, 2018



- LEGEND**
- ELEV. - ELEVATION
 - ASB - ASBESTOS
 - PCB - POLYCHLORINATED BIPHENYL
 - FOU - FOUND CONCRETE MONUMENT
 - PRO - PROFESSIONAL SURVEYOR AND MAPPER
 - LS - LICENSED BUSINESS
 - NS - NORTH SOUTHERN SURVEYING AND MAPPING
 - NAVD - NORTH AMERICAN VERTICAL DATUM
 - EGV - EDGE OF WATER
 - WT - WETLAND DESIGNATION
 - WT1 - WETLAND I
 - WT2 - WETLAND II
 - WT3 - WETLAND III
 - WT4 - WETLAND IV
 - WT5 - WETLAND V
 - WT6 - WETLAND VI
 - WT7 - WETLAND VII
 - WT8 - WETLAND VIII
 - WT9 - WETLAND IX
 - WT10 - WETLAND X
 - WT11 - WETLAND XI
 - WT12 - WETLAND XII
 - WT13 - WETLAND XIII
 - WT14 - WETLAND XIV
 - WT15 - WETLAND XV
 - WT16 - WETLAND XVI
 - WT17 - WETLAND XVII
 - WT18 - WETLAND XVIII
 - WT19 - WETLAND XIX
 - WT20 - WETLAND XX
 - WT21 - WETLAND XXI
 - WT22 - WETLAND XXII
 - WT23 - WETLAND XXIII
 - WT24 - WETLAND XXIV
 - WT25 - WETLAND XXV
 - WT26 - WETLAND XXVI
 - WT27 - WETLAND XXVII
 - WT28 - WETLAND XXVIII
 - WT29 - WETLAND XXIX
 - WT30 - WETLAND XXX
 - WT31 - WETLAND XXXI
 - WT32 - WETLAND XXXII
 - WT33 - WETLAND XXXIII
 - WT34 - WETLAND XXXIV
 - WT35 - WETLAND XXXV
 - WT36 - WETLAND XXXVI
 - WT37 - WETLAND XXXVII
 - WT38 - WETLAND XXXVIII
 - WT39 - WETLAND XXXIX
 - WT40 - WETLAND XL
 - WT41 - WETLAND XLI
 - WT42 - WETLAND XLII
 - WT43 - WETLAND XLIII
 - WT44 - WETLAND XLIV
 - WT45 - WETLAND XLV
 - WT46 - WETLAND XLVI
 - WT47 - WETLAND XLVII
 - WT48 - WETLAND XLVIII
 - WT49 - WETLAND XLIX
 - WT50 - WETLAND L
 - WT51 - WETLAND LI
 - WT52 - WETLAND LII
 - WT53 - WETLAND LIII
 - WT54 - WETLAND LIV
 - WT55 - WETLAND LV
 - WT56 - WETLAND LVI
 - WT57 - WETLAND LVII
 - WT58 - WETLAND LVIII
 - WT59 - WETLAND LIX
 - WT60 - WETLAND LX
 - WT61 - WETLAND LXI
 - WT62 - WETLAND LXII
 - WT63 - WETLAND LXIII
 - WT64 - WETLAND LXIV
 - WT65 - WETLAND LXV
 - WT66 - WETLAND LXVI
 - WT67 - WETLAND LXVII
 - WT68 - WETLAND LXVIII
 - WT69 - WETLAND LXIX
 - WT70 - WETLAND LXX
 - WT71 - WETLAND LXXI
 - WT72 - WETLAND LXXII
 - WT73 - WETLAND LXXIII
 - WT74 - WETLAND LXXIV
 - WT75 - WETLAND LXXV
 - WT76 - WETLAND LXXVI
 - WT77 - WETLAND LXXVII
 - WT78 - WETLAND LXXVIII
 - WT79 - WETLAND LXXIX
 - WT80 - WETLAND LXXX
 - WT81 - WETLAND LXXXI
 - WT82 - WETLAND LXXXII
 - WT83 - WETLAND LXXXIII
 - WT84 - WETLAND LXXXIV
 - WT85 - WETLAND LXXXV
 - WT86 - WETLAND LXXXVI
 - WT87 - WETLAND LXXXVII
 - WT88 - WETLAND LXXXVIII
 - WT89 - WETLAND LXXXIX
 - WT90 - WETLAND LXXXX
 - WT91 - WETLAND LXXXXI
 - WT92 - WETLAND LXXXXII
 - WT93 - WETLAND LXXXXIII
 - WT94 - WETLAND LXXXXIV
 - WT95 - WETLAND LXXXXV
 - WT96 - WETLAND LXXXXVI
 - WT97 - WETLAND LXXXXVII
 - WT98 - WETLAND LXXXXVIII
 - WT99 - WETLAND LXXXXIX
 - WT100 - WETLAND LXXXXX

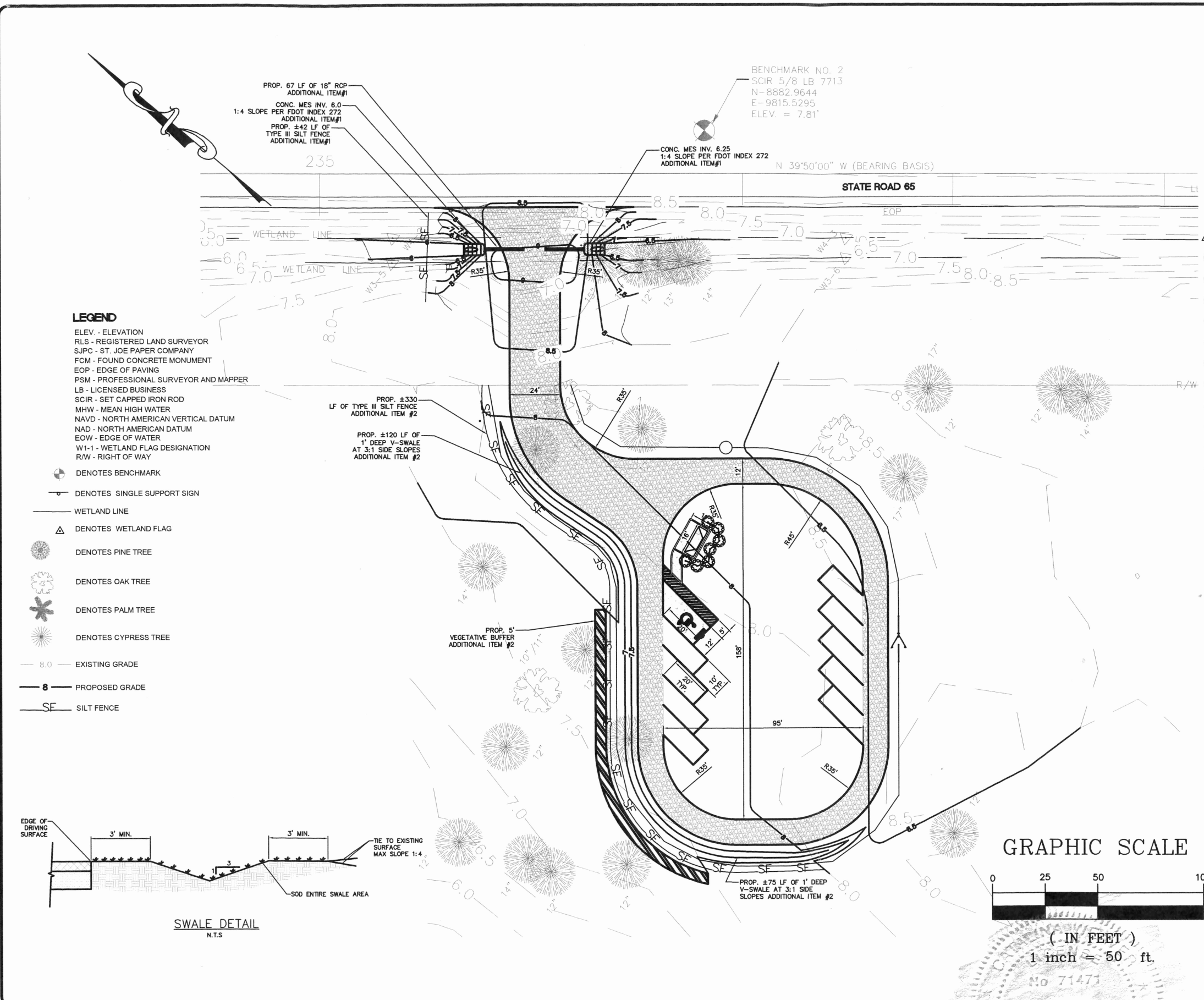
- NOTES**
1. THE DESIGN SHALL BE THE RESPONSIBILITY OF THE ARCHITECT FOR REVIEW AND APPROVAL BY THE FWC PROJECT MANAGER BEFORE STARTING CONSTRUCTION. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE ARCHITECT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
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PROJECT TITLE: APALACHICOLA RIVER WILDLIFE AND ENVIRONMENTAL AREA
 SHEET NO.: C103
 PROJECT FILE: CASH BAYOU FISHING DOCK AND PULL OFF











PROFESSIONAL REGISTRATION
 DRAWN BY: CW
 CHECKED BY: CW
 STATE PROJECT NO.

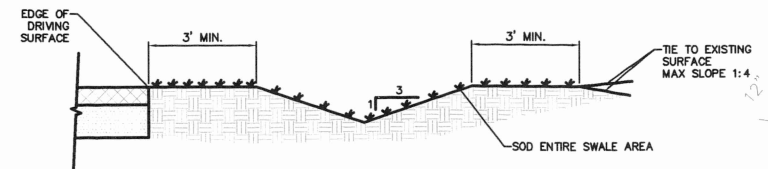
DATE	DESCRIPTION	BY

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
 PUBLIC ACCESS SERVICES OFFICE
 PLANNING AND DESIGN SECTION
 650 South Highway 54 West
 Tallahassee, Florida 32310
 (904) 921-8931

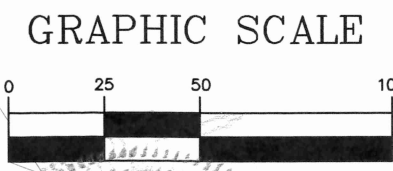
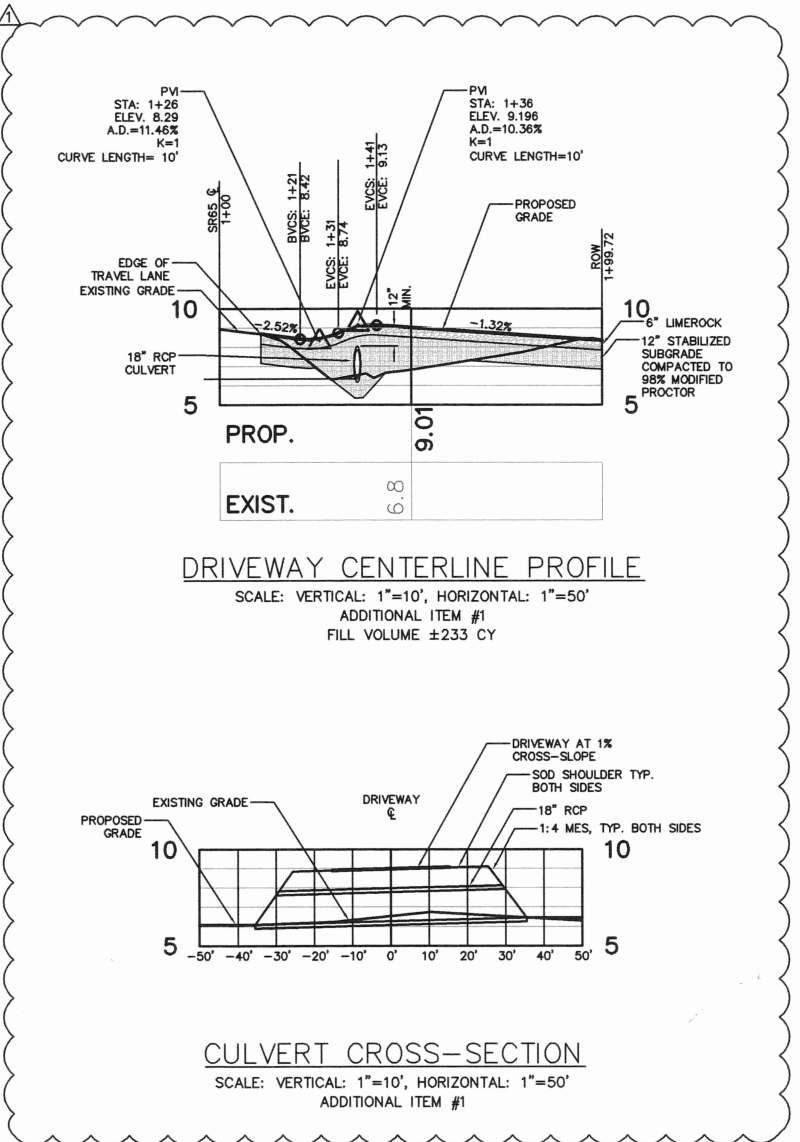


LEGEND


- ELEV. - ELEVATION
- RLS - REGISTERED LAND SURVEYOR
- SJPC - ST. JOE PAPER COMPANY
- FCM - FOUND CONCRETE MONUMENT
- EOP - EDGE OF PAVING
- PSM - PROFESSIONAL SURVEYOR AND MAPPER
- LB - LICENSED BUSINESS
- SCIR - SET CAPPED IRON ROD
- MHW - MEAN HIGH WATER
- NAVD - NORTH AMERICAN VERTICAL DATUM
- NAD - NORTH AMERICAN DATUM
- EOW - EDGE OF WATER
- W1-1 - WETLAND FLAG DESIGNATION
- R/W - RIGHT OF WAY
-  DENOTES BENCHMARK
-  DENOTES SINGLE SUPPORT SIGN
- WETLAND LINE
-  DENOTES WETLAND FLAG
-  DENOTES PINE TREE
-  DENOTES OAK TREE
-  DENOTES PALM TREE
-  DENOTES CYPRESS TREE
-  EXISTING GRADE
-  PROPOSED GRADE
-  SILT FENCE



SWALE DETAIL
N.T.S.



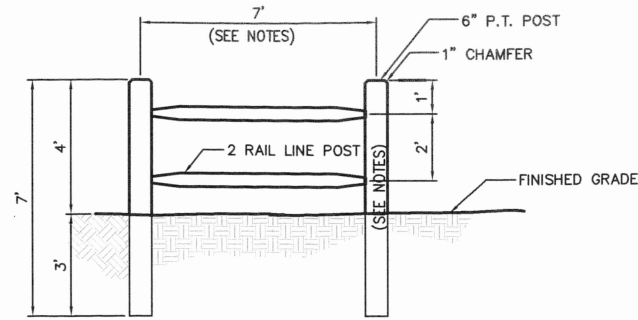
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION
620 South Meridian Street
Tallahassee, FL 32399-1800
(850) 921-9931

INITIAL ISSUE DATE	1-9-17	
SYMBOL	REVISION	DATE
	CHANGES PER FDEP RAI	3-6-17

DESIGNER : CW
DRAWN BY: CW
COMP. FILE No.
STATE PROJECT No.

PROFESSIONAL REGISTRATION
Catalina Weaver
Catalina Weaver
Florida License No. 71471

APALACHICOLA RIVER WILDLIFE AND ENVIRONMENTAL AREA
SHEET TITLE
PROPOSED PULL OFF
GRADING AND DIMENSION PLAN
PROJECT TITLE
CASH BAYOU FISHING DOCK AND PULL OFF
SHEET NO.
DEP4

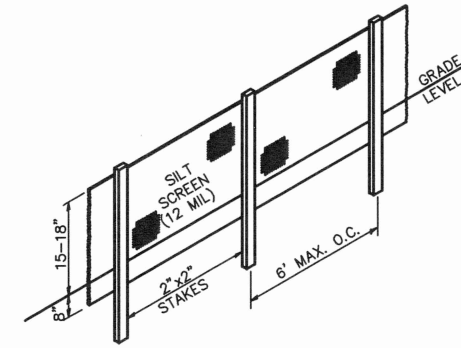


NOTES:

1. FENCE TO BE MANUFACTURED BY PRIDE OR APPROVED EQUAL.
2. ALL COMPONENTS SHALL BE PRE-FABRICATED P.T. PINE
3. DIMENSIONS ARE APPROXIMATE ONLY. CONTRACTOR SHALL PROVIDE PROJECT MANAGER WITH SHOP DRAWINGS FOR PROPOSED FENCE DETAIL.
4. THE FENCE SHALL HAVE A SMOOTH SLOPE.

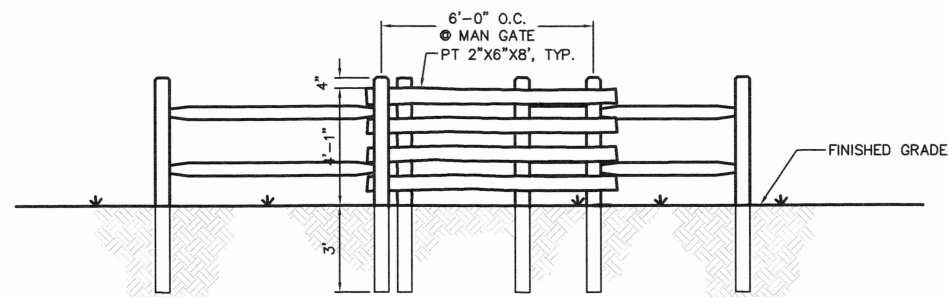
TWO RAIL FENCE DETAIL

N.T.S.
ADDITIONAL ITEM#2

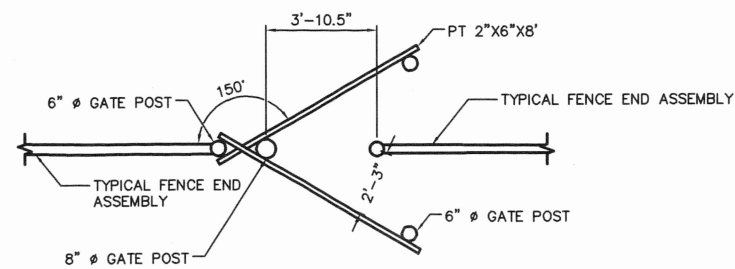


SILT FENCE DETAIL

N.T.S.



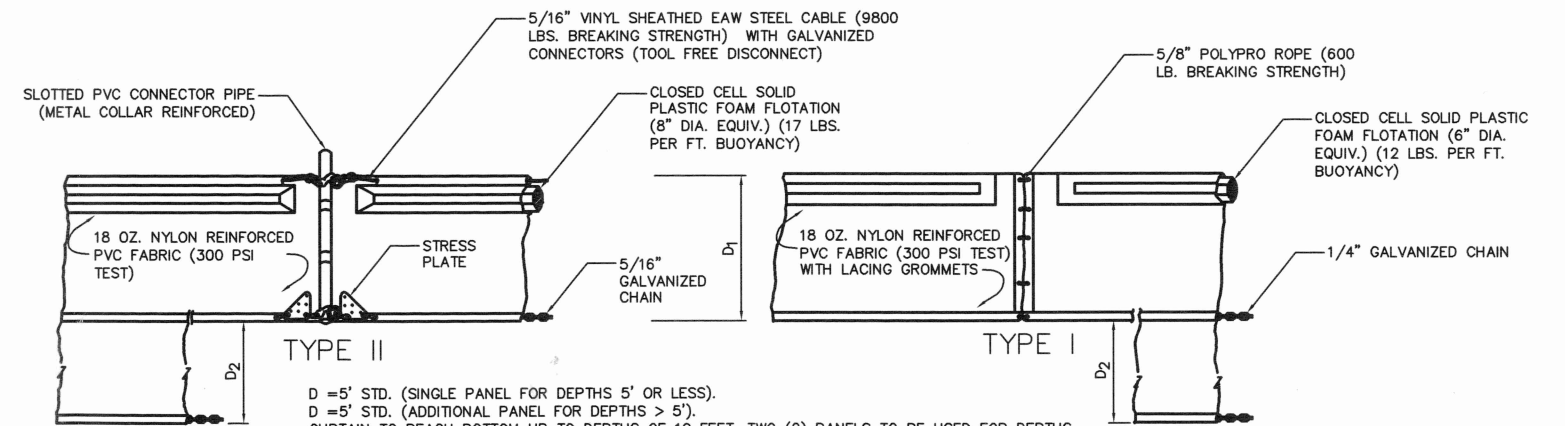
ELEVATION



PLAN VIEW

MAN GATE DETAIL

N.T.S.
ADDITIONAL ITEM#2



D = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D = 5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTES:

1. TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIER

N.T.S.

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

620 South Meridian Street
Tallahassee, FL 32399-1600
(850) 921-9931

INITIAL ISSUE DATE	1-9-17	
SYMBOL	REVISION	DATE

DESIGNER : CW
DRAWN BY: CW
COMP. FILE No.
STATE PROJECT No.

PROFESSIONAL REGISTRATION
Catalina Weaver
Florida License No. 71471

APALACHICOLA RIVER WILDLIFE AND ENVIRONMENTAL AREA	
SHEET TITLE	
DETAILS	
PROJECT TITLE	SHEET NO.
CASH BAYOU FISHING DOCK AND PULL OFF	DEP5

GENERAL CONSTRUCTION NOTES AND SPECIFICATIONS

- ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2014 5th EDITION.
- VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
- NO CHANGES OF INFORMATION SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE ARCHITECT / ENGINEER.
- DESIGN INFORMATION SHOWN ON THE DRAWINGS PROVIDE OVERALL DIMENSIONAL PARAMETERS AND DESCRIBE ELEMENTS TO BE CONSTRUCTED. THE CONTRACTOR SHALL ADJUST DIMENSIONS AND DETAILS AS REQUIRED TO FIT EXISTING CONDITIONS. THE ARCHITECT / ENGINEER SHALL BE NOTIFIED OF ANY PROPOSED MODIFICATIONS.
- DEMOLITION SHALL INCLUDE REMOVAL, TRANSPORT AND DISPOSAL OF ALL WASTE MATERIAL RELATED TO THE CONSTRUCTION OF THE PROJECT TO AN APPROVED DISPOSAL FACILITY.
- EROSION CONTROL : THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, MAINTAINING AND REMOVING EROSION / SILT CONTROL BARRIER AS REQUIRED BY THE STATE OF FLORIDA, LOCAL AGENCIES OR AUTHORITY HAVING JURISDICTION (AHJ) DURING AND THROUGHOUT DURATION OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS TO FLAG THE CONSTRUCTION BOUNDARIES FOR INSPECTION AND APPROVAL BY THE OWNER.
- ALL EXTERIOR TREATED WOODS: (OTHER THAN MARINE PILES) (CEDAR NOTED ON PLANS)
 - LUMBER AND TIMBER SHALL CONFORM TO THE SOUTHERN PINE INSPECTION BUREAU "STANDARD GRADING RULES", CURRENT EDITION.
 - ALL LUMBER AND TIMBER SHALL BE DRESSED S4S AND GRADE STAMPED BY AN AGENCY CERTIFIED BY THE AMERICAN LUMBER STANDARDS COMMITTEE'S BOARD OF REVIEW AND MANUFACTURED IN ACCORDANCE WITH P5 20, LATEST REVISION. PROVIDE NOMINAL SIZES AS INDICATED ON DESIGN PLANS. WAINES ARE NOT ACCEPTABLE IN EXPOSED MATERIAL.
 - DECKING, GUARDRAILS AND LUMBER ABOVE WATER SHALL BE NO. 1, SOUTHERN YELLOW PINE OR BETTER. ALL LUMBER AND TIMBER IN THE SPLASH ZONE SHALL BE NO. 1, SOUTHERN YELLOW PINE OR BETTER UNLESS NOTED OTHERWISE (UNO). ALL LUMBER AND TIMBER BELOW WATER SHALL BE (IN SALTWATER) MARINE GRADE NO. 1 # (IN FRESHWATER) NO. 2. ALL LUMBER AND TIMBER SHALL BE PRESERVATIVELY TREATED TO AMERICAN WOOD PRESERVERS' ASSOCIATION (AWPA) COMMODITY STANDARD C-2 (USE CATEGORY UC4 FOR FRESHWATER AND UCS FOR SALT OR BRACKISH WATER), WITH A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF PERMANENT INCORPORATION TO THE STRUCTURE, UNLESS NOTED OTHERWISE.

THE TIMBER SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

LIGHT FRAMING.....	F _b (BENDING) 1,350 PSI
(2X2 THRU 4X4)	E 1,600,000 PSI
STRUCTURAL JOISTS & PLANKS.....	F _b (BENDING) 1,200 PSI
(2X5 THRU 4X16)	E 1,600,000 PSI
BEAMS & TIMBERS.....	F _b (BENDING) 1,200 PSI
(6X6 & LARGER)	E 1,400,000 PSI

TREATMENT RETENTION:
 60 LB/CF FOR GROUND CONTACT MATERIALS
 40 LB/CF FOR NON-GROUND MATERIALS

- ALL FACE AND ANCHOR PILES USED IN CONSTRUCTION SHALL USE TIP CIRCUMFERENCE IN ACCORDANCE WITH ASTM D25. PRESERVATIVE TREATMENT SHALL BE TO AWPA STANDARDS C-3 AND C-18 (UIC4C, SA, SB, SC).
 - ALL FASTENERS AND TIE RODS SHALL BE HOT-DIP GALVANIZED (HDG) PER ASTM A153, WITH 2 OUNCES OF ZINC COATING PER SQUARE FOOT MINIMUM FOR MARINE USE OR BE CORROSION RESISTANT (BITUMASTIC COATED OR 300 SERIES STAINLESS STEEL). ALL CONNECTORS SHALL BE HOT-DIP GALVANIZED (HDG) PER ASTM A653, CLASS G185 SHEET WITH 1.85 OUNCES OF ZINC COATING PER SQUARE FOOT MINIMUM, OR BE CORROSION RESISTANT (BITUMASTIC COATED OR 300 SERIES STAINLESS STEEL). FASTENERS AND CONNECTORS USED TOGETHER SHALL BE OF THE SAME TYPE (E.G. ONLY STAINLESS STEEL NAILS WITH STAINLESS STEEL JOIST HANGERS).
 - ALL CUTS, HOLES AND NAILS TO THE SURFACE OF TREATED WOOD SHALL BE FIELD PROTECTED BY FIELD TREATMENT MEETING AWPA STANDARD M4.
 - ALL TREATED WOOD PRODUCTS SHALL BE HANDLED AND FIELD FABRICATED IN ACCORDANCE WITH AWPA STANDARD M4 FOR THE CARE OF PRESERVATIVE TREATED WOOD PRODUCTS.
 - ADHESIVES ARE NOT A REPLACEMENT FOR NAILS, SCREWS OR BOLTS. WHEN SELECTING ANY ADHESIVES WITH TREATED LUMBER, BE SURE THE PRODUCTS LABEL READS "FOR USE WITH TREAT LUMBER." FOLLOW THE MANUFACTURER'S INSTRUCTION CAREFULLY.
- MARINE PILES:
 - QUALITY AND SIZE: SHALL CONFORM TO ASTM D-25
 - PRESERVATIVE TREATMENT: AWPA M-4, OICP, FOR CHROMATED COPPER ARSENATE, TYPE C, 2.5 LB/CF.
 - SPECIES: MARINE GRADE SOUTHERN YELLOW PINE TREATED FOR USE IN SALT WATER OR BRACKISH WATER AND FREE OF HEARTWOOD ON ALL FOUR SIDES. PRESERVATIVELY TREATED TO AMERICAN WOOD PRESERVERS' ASSOCIATION (AWPA) COMMODITY STANDARD C-3, USE CATEGORY UCS.
 - SETTING: PILES SHALL BE DRIVEN TO GRADE. JETTING THE FIRST TWO FEET OF EMBEDMENT SHALL BE ALLOWED TO OBTAIN ALIGNMENT. EMBEDMENT MINIMUM 1'0" INTO NATURAL GRADE OR AS SPECIFIED ON DESIGN PLANS. PROVIDE 0.030 HIGH DENSITY POLYETHYLENE (HDPE) PILE WRAP ON ALL PILES EXTENDING FROM AT LEAST 6-INCHES BELOW THE SUBSTRATE TO AT LEAST 12-INCHES ABOVE MEAN HIGH WATER LINE (MHW). FASTEN WITH 55 ROOFING NAILS 1-1/2" LONG SPACED 6-INCHES O.C.

- CONSTRUCTION TOLERANCES: (VERIFY WITH STRUCTURAL REQUIREMENTS)
 - ALIGNMENT AND GRADE: PILES SHALL BE SET TO ACHIEVE CONTINUOUS, STRAIGHT CENTERLINE ALIGNMENT AS INDICATED ON DESIGN PLANS, OR AS DIRECTED BY THE PROJECT ENGINEER. INDIVIDUAL PILES WITHIN THE ALIGNMENT SHALL BE PLUMB ABOUT THEIR CENTERLINE WHEN CHECKED WITH A PLUMB BOB. CENTERS OF PILES IN CONTINUOUS STRAIGHT RUNS SHALL BE WITHIN 1" OF EITHER SIDE OF THE CENTERLINE ALIGNMENT WHEN CHECKED WITH A TAUT STRING LINE. PILES SHALL BE SPACED AT INTERVALS AND SET TO GRADE AS REQUIRED TO CONFORM WITH TYPICAL DETAILS. PLINGS SHALL BE FINISH TRIMMED TO MAINTAIN DESIGN ELEVATIONS.

- FOUNDATIONS:
 - THE AREA UNDER FOOTINGS, FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION. FILL MATERIAL AND BACKFILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, LARGE ROCKS, AND ANY OTHER FOREIGN MATERIAL.
 - FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE.
 - CONTRACTOR TO FOLLOW GEO-TECHNICAL REPORT BY UNIVERSAL ENGINEERING SCIENCES, REPORT NO. 0330.1300057.0000, DATED JUNE 14, 2013 FOR SITE AND PILE RECOMMENDATIONS.

- CONCRETE AND REINFORCING STEEL:
 - CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF AC 318.
 - UNLESS NOTED OTHERWISE, THE CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
 - NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE SHALL NOT BE LARGER THAN: 1/5 THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS, 1/3 THE DEPTH OF SLABS, NOR 3/4 THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS OR WIRES.
 - CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS ARE NOT PERMITTED TO BE USED IN CONCRETE.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED.
 - WELDED WIRE FABRIC (MESH) SHALL CONFORM TO ASTM A185.
 - ALL REINFORCING STEEL AND EMBEDMENTS SHALL BE SECURELY TIED AND SUFFICIENTLY SUPPORTED TO MAINTAIN THE POSITION WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES.
 - A MINIMUM CONCRETE COVER OF 3" SHALL BE PROVIDED FOR ALL REINFORCING STEEL UNLESS OTHERWISE NOTED IN THE STRUCTURAL CONTRACT DOCUMENTS.
 - WEATHER CONDITIONS SHALL NOT BE ACCEPTED AS A VALID REASON FOR INCORRECT OR OTHERWISE POOR QUALITY OF CONCRETE OR CONCRETE SURFACES.

- DESIGN LOADS:
 - SUPERIMPOSED DEAD LOADS: DEAD LOADS SHALL BE TAKEN AS THE ACTUAL WEIGHTS OF MATERIALS AND CONSTRUCTIONS OR OTHERWISE SATISFACTORY VALUES DESCRIBED IN THE FLORIDA BUILDING CODE.
 - SUPERIMPOSED LIVE LOADS:

DECK LIVE	80 PSF
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WIND LOAD CRITERIA:
 GOVERNING CODE: ASCE 7-10
 ULTIMATE DESIGN WIND SPEED: V=117 MPH
 RISK CATEGORY: I
 EXPOSURE: D

- CONSTRUCTION TOLERANCES: (VERIFY WITH STRUCTURAL REQUIREMENTS)
 - ALIGNMENT AND GRADE: PILES SHALL BE SET TO ACHIEVE CONTINUOUS, STRAIGHT CENTERLINE ALIGNMENT AS INDICATED ON DESIGN PLANS, OR AS DIRECTED BY THE PROJECT ENGINEER. INDIVIDUAL PILES WITHIN THE ALIGNMENT SHALL BE PLUMB ABOUT THEIR CENTERLINE WHEN CHECKED WITH A PLUMB BOB. CENTERS OF PILES IN CONTINUOUS STRAIGHT RUNS SHALL BE WITHIN 1" OF EITHER SIDE OF THE CENTERLINE ALIGNMENT WHEN CHECKED WITH A TAUT STRING LINE. PILES SHALL BE SPACED AT INTERVALS AND SET TO GRADE AS REQUIRED TO CONFORM WITH TYPICAL DETAILS. PLINGS SHALL BE FINISH TRIMMED TO MAINTAIN DESIGN ELEVATIONS.

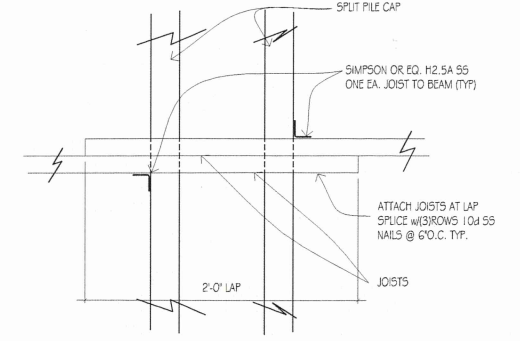
DISPLAY PANEL NOTES

- WOOD PLINGS/POSTS SHALL COMPLY WITH SECTION 1609 FBC, LATEST EDITION, AND SHALL BE NO. 2 SYP. PILES SHALL COMPLY WITH DOC P5-20. TREATMENT SHALL BE IN ACCORDANCE WITH AWPA STANDARDS FOR ROUND OR SAWS TIMBER PILES. PLINGS MAY BE DRIVEN OR JETTED WITH THE LAST ONE FOOT DRIVEN. DEPTH WILL VARY BY SITE PER GEOTECH. RECOMMENDATIONS.
- UNLESS NOTED OTHERWISE (UNO) ALL METAL CONNECTORS SHALL BE (HDG) HOT DIPPED GALVANIZED STEEL (G185) MANUFACTURED SIMPSON STRONG TIE OR EQ. FASTEN IN ACCORD WITH MANUFACTURER'S REQUIREMENTS.
- UNLESS NOTED OTHERWISE (UNO) ALL FASTENERS, SCREWS, ANGLES AND METAL CLIPS TO BE (HDG) HOT DIPPED GALVANIZED STEEL (G185) WITH HDG BOLTS, NUTS AND WASHERS. MEET SPECIFICATIONS ASTM A153
- DISPLAY PANEL BACKING TO BE 3/4" BC TREATED PLYWOOD, 1" FACE ON THE DISPLAY PANEL SIDE. DISPLAY PANEL GRAPHICS TO BE PROVIDED BY OTHERS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND ENSURE THAT DISPLAY PANELS ARE SIZED IN ACCORDANCE WITH PANEL GRAPHICS. INCORRECT DISPLAY PANELS SIZES ARE NOT ACCEPTABLE.
- REFER TO EACH PROJECT SITE PLAN FOR EXTENT, TYPE AND LOCATION OF PAVING.
- LIMEROCK PATHS AND PADS SHALL BE MADE UP OF A 4" BASE OF CRUSHED LIMEROCK ASTM D 2840 WITH AT LEAST 90% 1/4" SIEVE AND THE TOP 2" A CLAYEY GRAVEL AND SAND MIXTURE COMPACTED TO A DENSE STATE.
- WHERE NOTED ON THE PROJECT SITE PLAN, CONC. PAVING FOR: BASE AT EACH KIOSK DISPLAY SIDE: 4" THICK CONC. SLAB, 3,000 PSI DESIGN MIX W/ FIBER REINF. PLACE WITH 2% SLOPE AWAY FROM THE STRUCTURE, LIGHT BROOM FINISH, ON COMPACTED FILL.

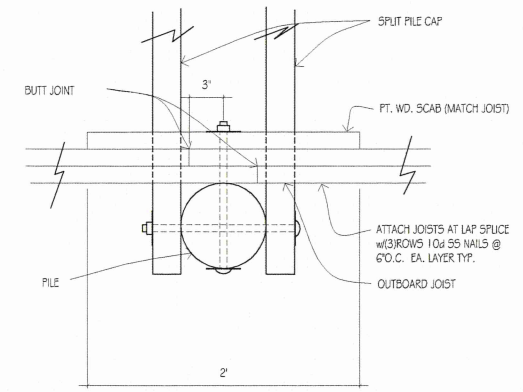


US Army Corps of Engineers

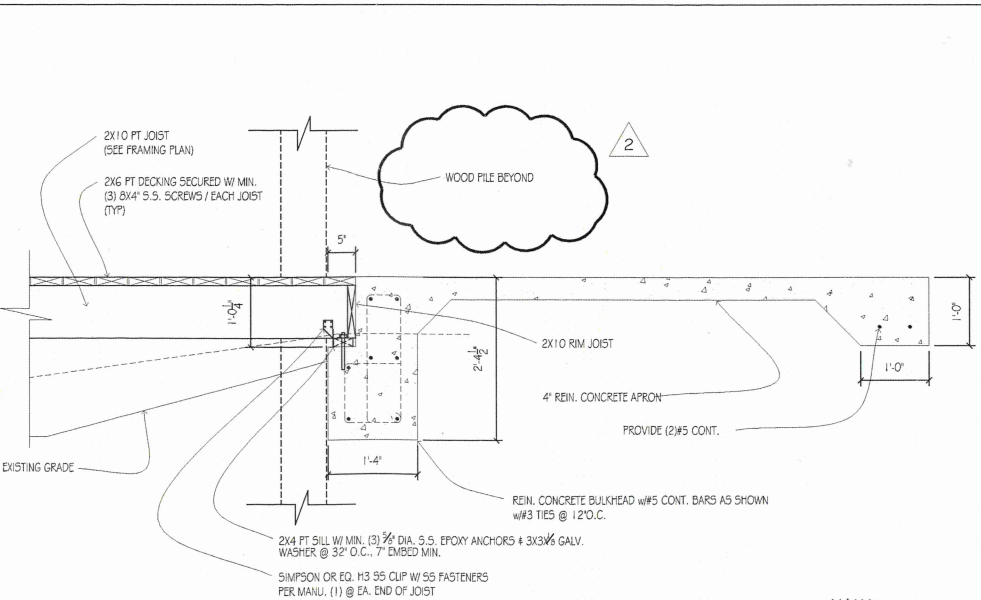
SAJ-2017-01667 (NW/GP-DEB)
FFWCC Cash Bayou - Fishing Pier
Sheet 7 of 11, February 15, 2018



2 OVERLAP DETAIL
1/2" = 1'-0"



3 SCAB DETAIL
1/2" = 1'-0"



1 BULKHEAD DETAIL
3/4" = 1'-0"

JEFFREY D. MCGEE
 LICENSE No. 45944
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 REG. NO. 45944

ORIGINAL SHEETS ARE 24x36,
IF PRINTED OTHER THAN THAT
DRAWINGS ARE NOT TO SCALE

GMH #17-16-021-40
G.M. HILL
 ENGINEERING, INC.
 STRUCTURAL
 G. M. Hill Engineering, Inc.
 9640 Sunbeam Center Dr
 Suite 1
 Jacksonville, Florida 32257
 Phone: 904-280-8244
 Certificate of Authorization No. 26181

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
 PUBLIC ACCESS SERVICES OFFICE
 PLANNING AND DESIGN SECTION

620 South Meridian Street
 Tallahassee, FL 32399-1600
 850-921-9931

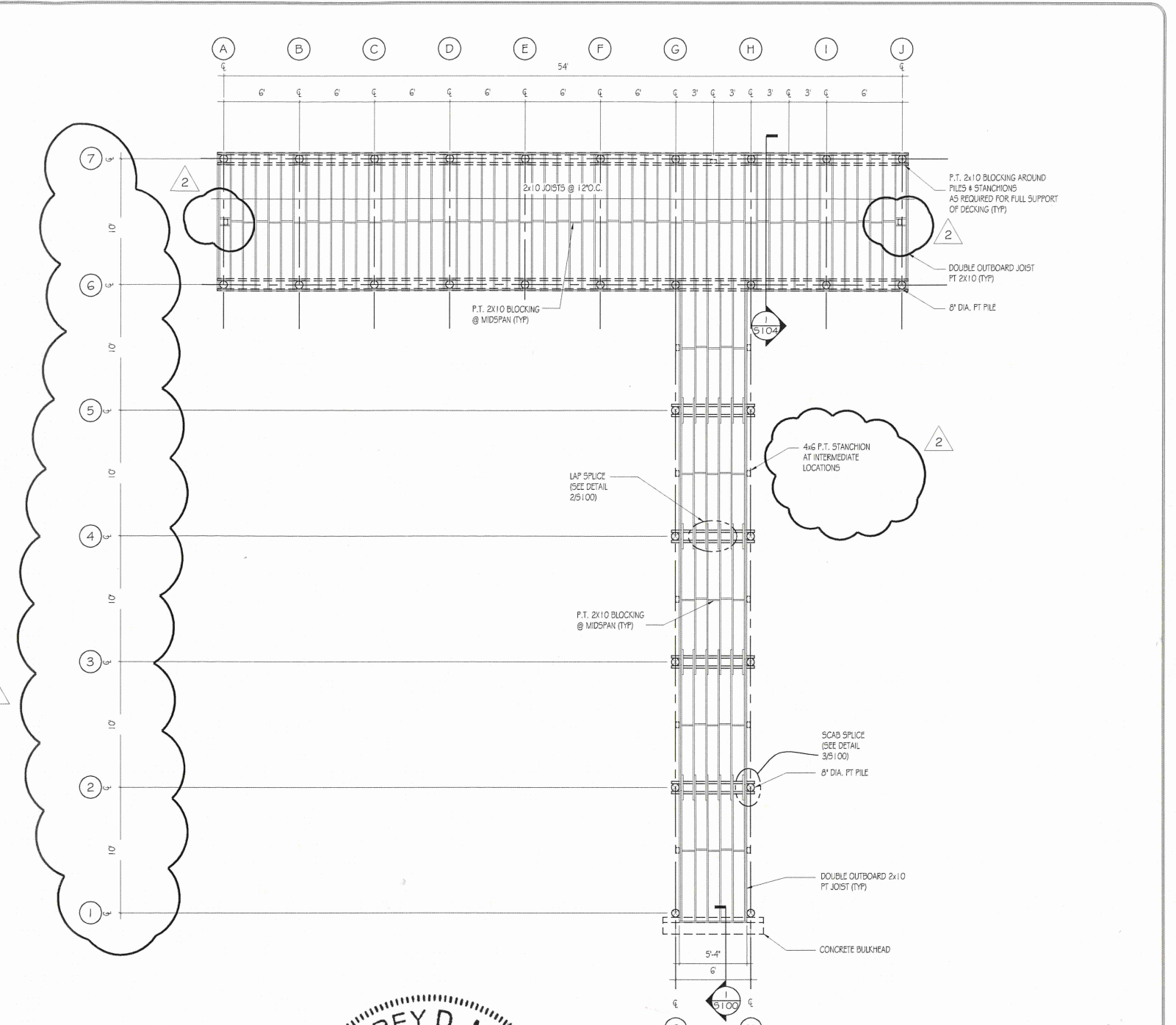
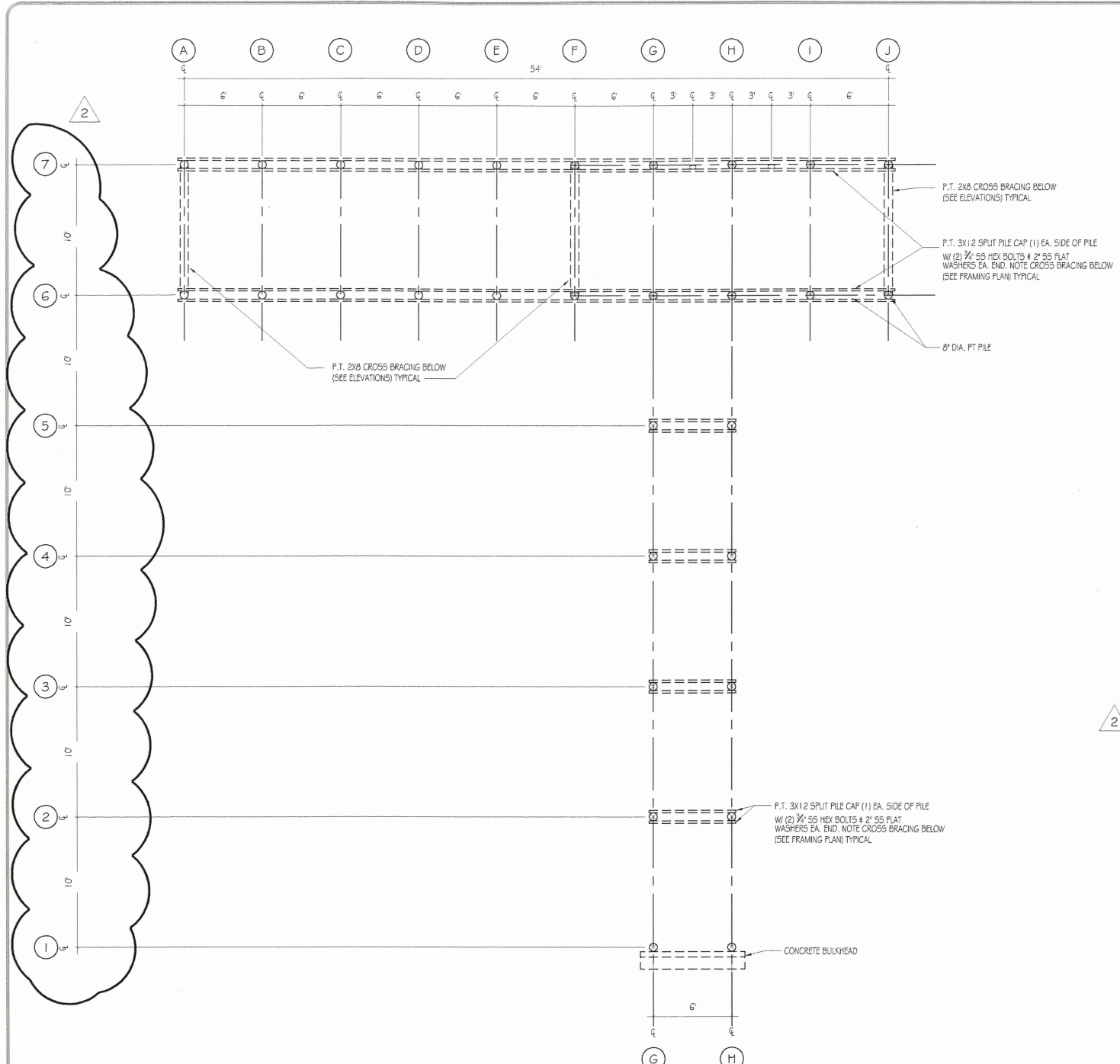
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SYMBOL	REVISION	DATE
2	PERMIT ISSUE	
	HDPE WRAP	3/10/17
	BOARDWALK	4/26/17

DESIGNER :	JDM
DRAWN BY:	KA
COMP. FILE NO.	
STATE PROJECT NO.	

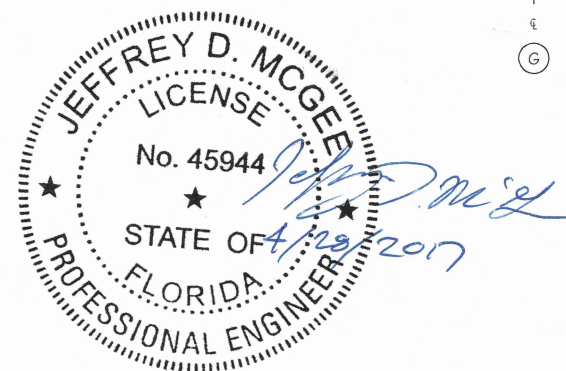
APALACHICOLA RIVER WILDLIFE MANAGEMENT AREA
 SHEET TITLE: STRUCTURAL GENERAL NOTES AND SECTIONS

PROJECT TITLE: CASH BAYOU
 FISHING DOCK AND PULL OFF

SHEET NO. S100



SAJ-2017-01667 (NW/GP-DEB)
 FFWCC Cash Bayou – Fishing Pier
 Sheet 8 of 11, February 15, 2018



GMH #17-16-021-40
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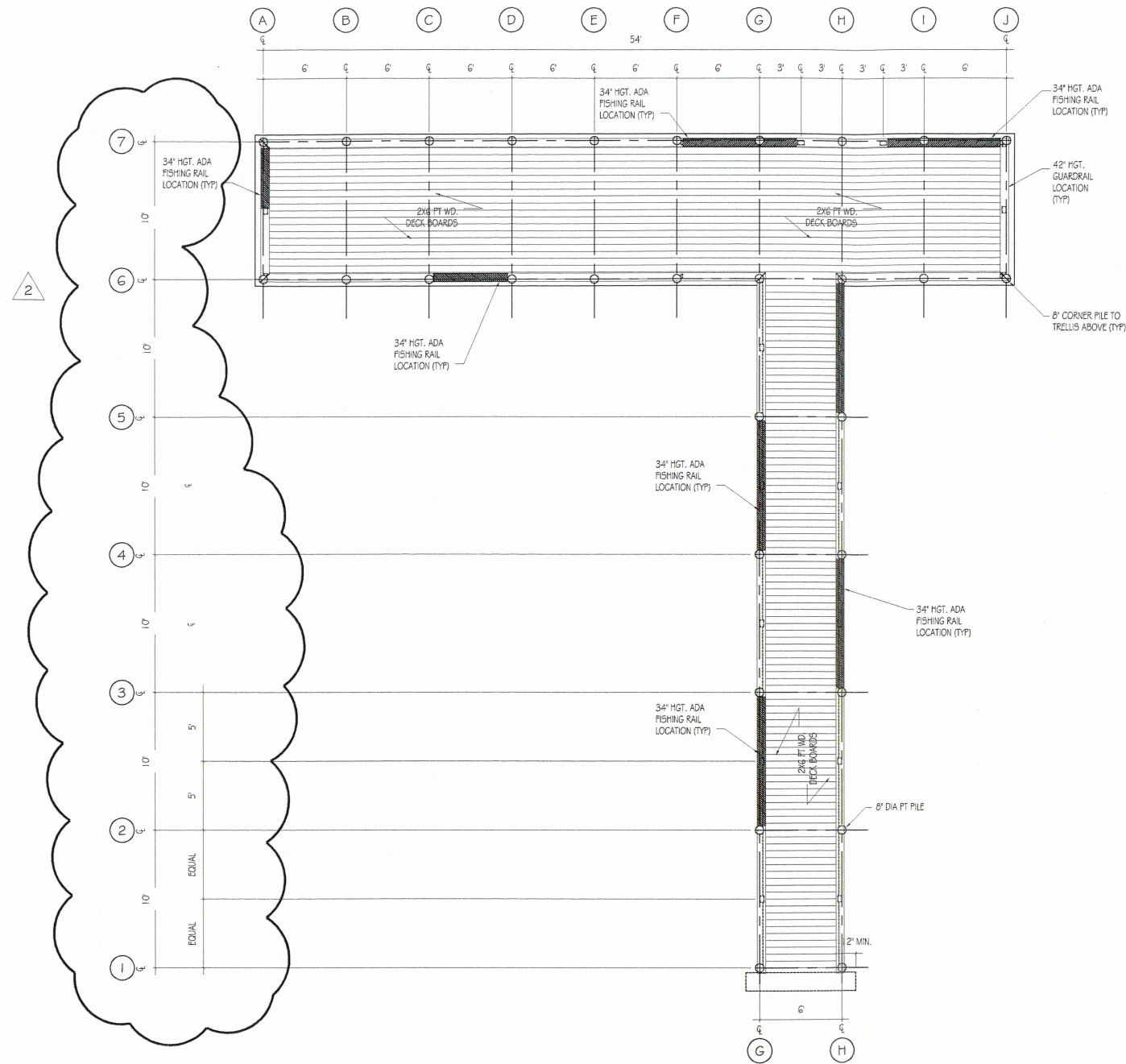
620 South Meridian Street
 Tallahassee, FL 32399-1600
 850-921-9931

SYMBOL	REVISION	DATE
△	PERMIT ISSUE	
	HDPE WRAP	3/10/17
	BOARDWALK	4/26/17

DESIGNER : JDM
 DRAWN BY: KA
 COMP. FILE No.
 STATE PROJECT No.

PROFESSIONAL REGISTRATION
 JEFFREY D. MCGEE P.E.
 Structural Engineer
 REG. NO. 45944

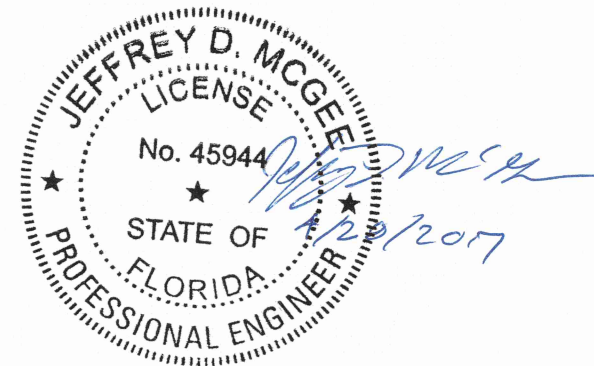
APALACHICOLA RIVER WILDLIFE MANAGEMENT AREA
 SHEET TITLE DOCK FRAMING AND PILE PLANS
 PROJECT TITLE CASH BAYOU FISHING DOCK AND PULL OFF
 SHEET NO. S101



PROJECT NORTH



DECK FRAMING PLAN
SCALE: 3/16" = 1'-0"



GMH #17-16-021-40
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Phone: 904-280-8244
Certificate of Authorization No.26181

ORIGINAL SHEETS ARE 24x36,
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DRAWINGS ARE NOT TO SCALE

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

620 South Meridian Street
Tallahassee, FL 32399-1600
850-921-9931

INITIAL ISSUE DATE	4/1/2016	
SYMBOL	REVISION	DATE
△	PERMIT ISSUE	
	HDPE WRAP	3/10/17
	BOARDWALK	4/26/17

DESIGNER :
JDM
DRAWN BY:
KA
COMP. FILE No.
STATE PROJECT No.

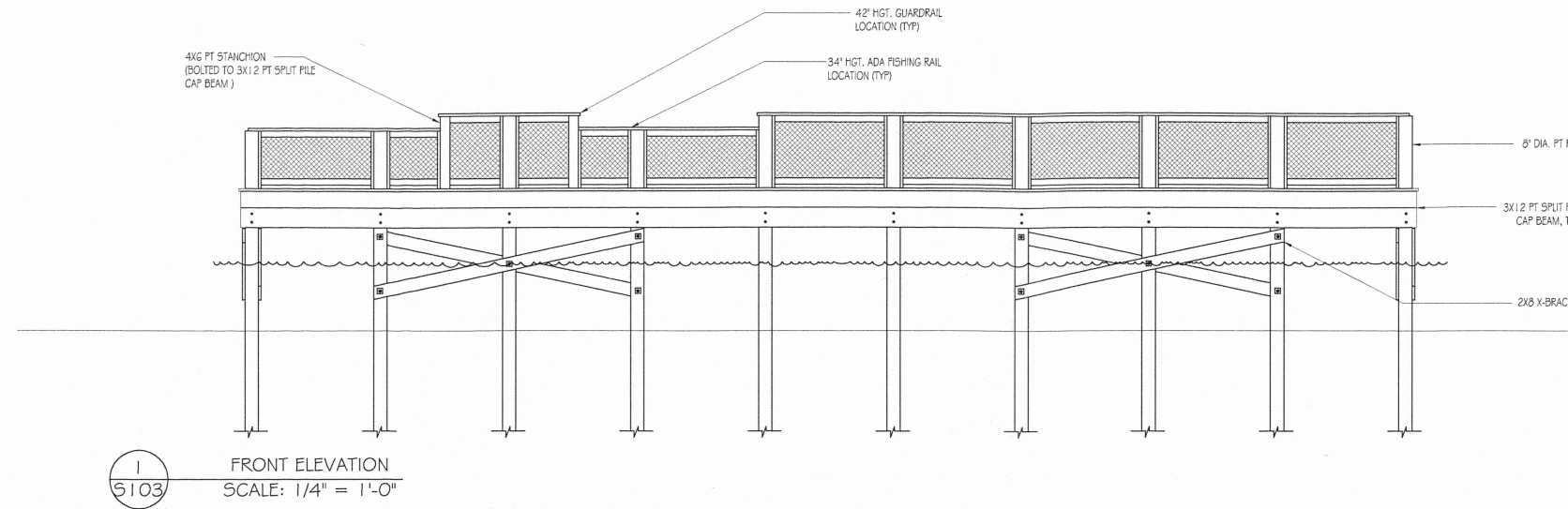
PROFESSIONAL REGISTRATION
JEFFREY D. MCGEE P.E.
Structural Engineer
REG. NO. 45944

APALACHICOLA RIVER WILDLIFE MANAGEMENT AREA

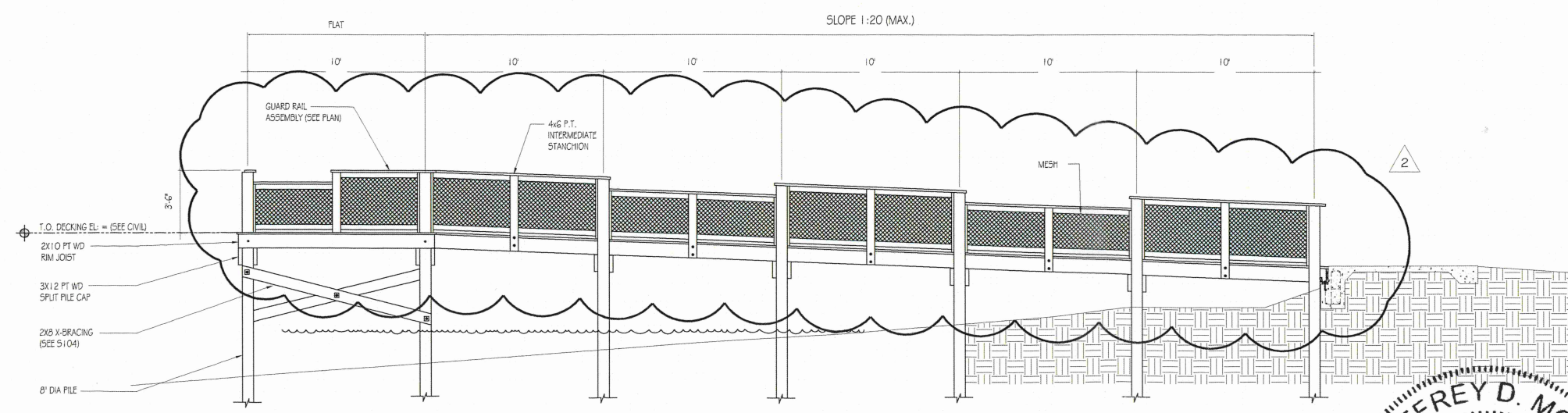
SHEET TITLE
DOCK PLAN FRAMING PLAN

PROJECT TITLE
CASH BAYOU
FISHING DOCK AND PULL OFF

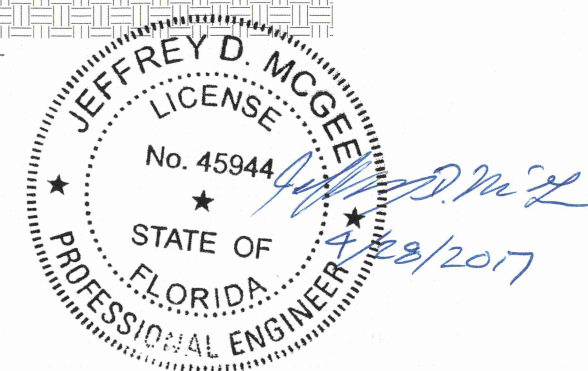
SHEET NO.
S102



1
S103 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



2
S103 SIDE ELEVATION
SCALE: 1/4" = 1'-0"



GMH #17-16-021-40
G.M. HILL
ENGINEERING, INC.
STRUCTURAL
G. M. Hill Engineering, Inc.
9640 Sunbeam Center Dr
Suite 1
Jacksonville, Florida 32257
Phone: 904-280-8244
Certificate of Authorization No.26181

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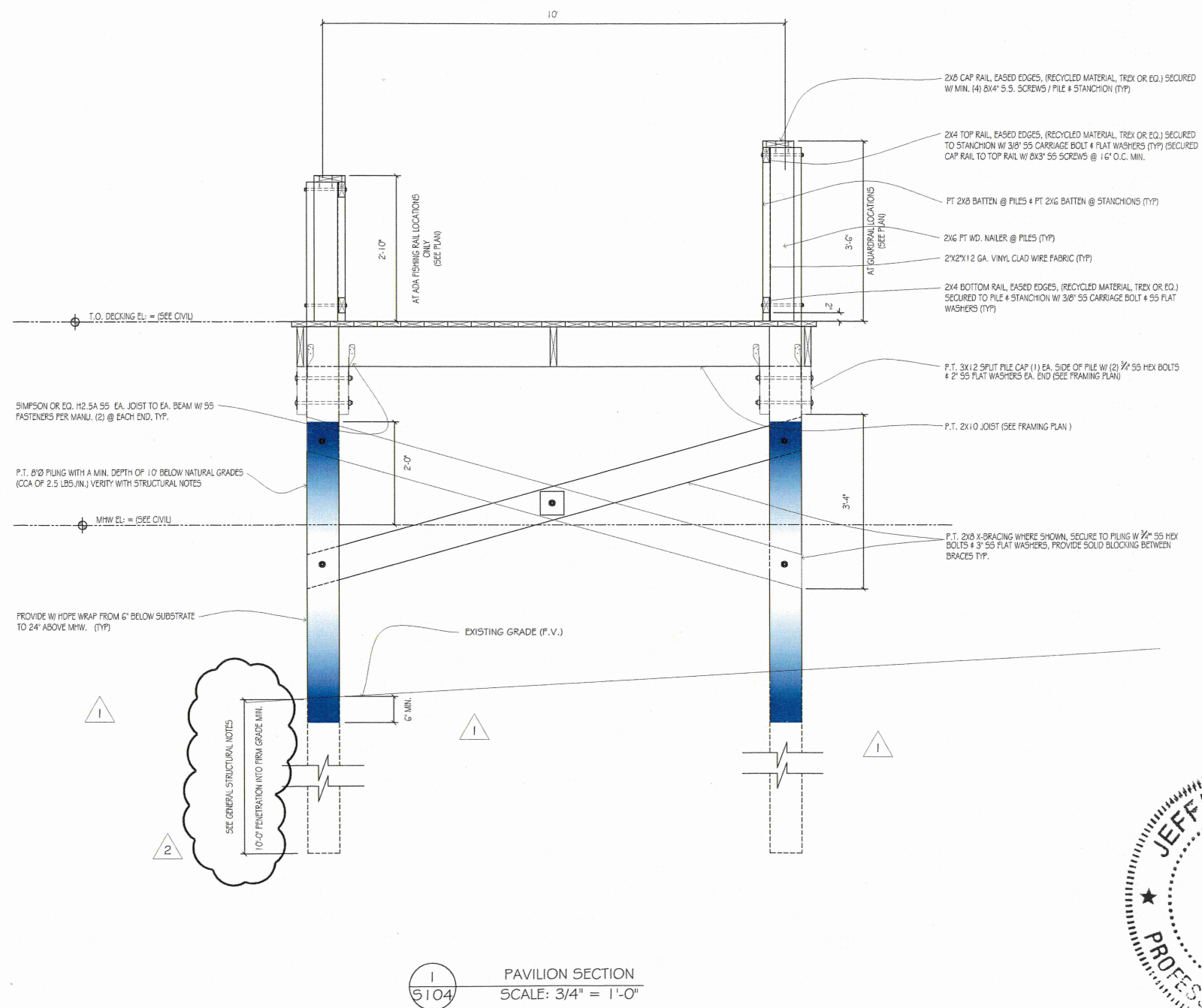
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION
620 South Meridian Street
Tallahassee, FL 32399-1600
850-921-9931

INITIAL ISSUE DATE	4/1/2016	
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△	PERMIT ISSUE	
	HDPE WRAP	3/10/17
	BOARDWALK	4/26/17

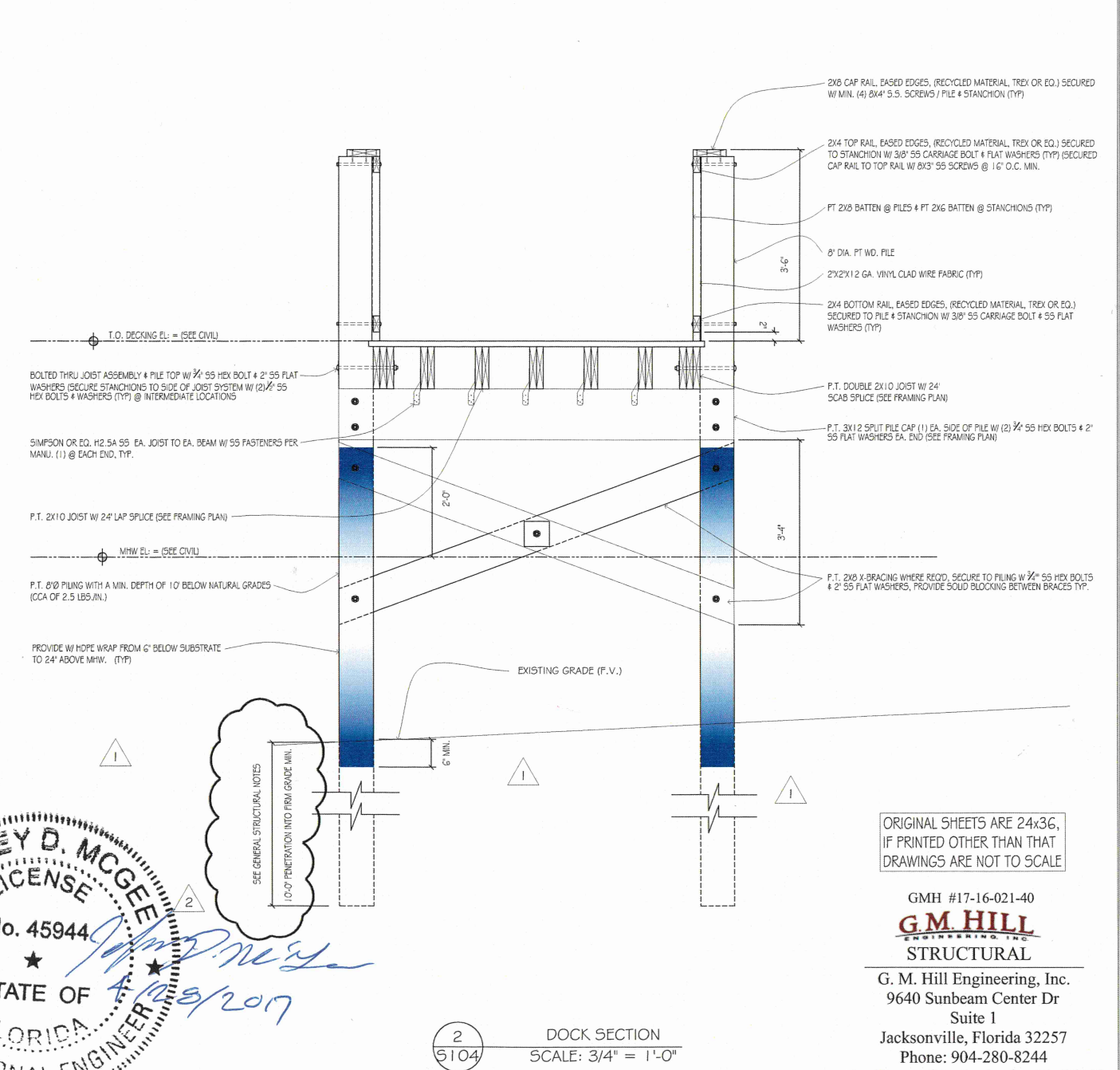
DESIGNER :
JDM
DRAWN BY:
KA
COMP. FILE No.
STATE PROJECT No.

PROFESSIONAL REGISTRATION
JEFFREY D. MCGEE P.E.
Structural Engineer
REG. NO. 45944

APALACHICOLA RIVER WILDLIFE MANAGEMENT AREA
SHEET TITLE
DOCK FRONT AND SIDE ELEVATIONS
PROJECT TITLE
CASH BAYOU
FISHING DOCK AND PULL OFF
SHEET NO.
S103



1
5104 PAVILION SECTION
SCALE: 3/4" = 1'-0"



2
5104 DOCK SECTION
SCALE: 3/4" = 1'-0"

JEFFREY D. MCGEE
LICENSE
No. 45944
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jeffrey D. McGee
4/28/2017

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PUBLIC ACCESS SERVICES OFFICE
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620 South Meridian Street
Tallahassee, FL 32399-1600
850-921-9931

SYMBOL	REVISION	DATE
△1	PERMIT ISSUE	
△2	HDPE WRAP	3/10/17
	BOARDWALK	4/26/17

DESIGNER :
JDM
DRAWN BY:
KA
COMP. FILE No.
STATE PROJECT No.

PROFESSIONAL REGISTRATION
JEFFREY D. MCGEE P.E.
Structural Engineer
REG. NO. 45944

APALACHICOLA RIVER WILDLIFE MANAGEMENT AREA
SHEET TITLE
DOCK SECTIONS
PROJECT TITLE
CASH BAYOU
FISHING DOCK AND PULL OFF
SHEET NO.
S104