

Florida Department of Environmental Protection

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

Rick Scott Governor

Carlos Lopez-Cantera Lt. Governor

Jonathan P. Steverson Secretary

June 3, 2016

Franklin County Alan Pierce, Director of Planning and Building Apalachicola, Florida 32320 alanp@franklincountyflorida.com

Franklin County – Indian Creek Boat Ramp Replacement File No. 19-0344410-001-EG Franklin County

Dear Mr. Pierce:

On May 20, 2016, we received your notice of intent to use a General Permit (GP), pursuant to Rule 62-330.402, Florida Administrative Code (F.A.C.) to perform replace and improve an existing 16-foot wide boat ramp, repair and replace an existing seawall and install a 39-foot by 8-foot (315 square-foot) accessory dock within the landward extent of Indian Creek, a Class III Florida waterbody. The project is located at parcel ID# 36-08S-07W-0000-0040-0000, North Bayshore Drive, Eastpoint, Section 36, Township 8 South, Range 7 West, Franklin County.

Your intent to use a general permit has been reviewed by Department staff for three types of authorizations: (1) regulatory authorization, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal authorization. The authority for review and the outcomes of the reviews are listed below. Please read each section carefully.

Your project qualifies for all three authorizations. 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.

1. Regulatory Review – Approved

Based on the forms, drawings, and documents submitted with your notice, it appears that the project meets the requirements for the General Permit under Rule 62-330.417, F.A.C. Any activities performed under a general permit are subject to general conditions required in Rule 62-330.405, F.A.C. (attached), and the specific conditions of Rule 62-330.417, F.A.C. (attached). Any deviations from these conditions may subject the permittee to enforcement action and possible penalties.

Please be advised that the construction phase of the GP must be completed within five years from the date the notice to use the GP was received by the Department. If you wish to continue this GP beyond the expiration date, you must notify the Department at least 30 days before its expiration.

Authority for review- Part IV of Chapter 373, F.S., Title 62, F.A.C. and in accordance with the operating agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C.

2. Proprietary Review – Not required

The activity does not appear to be located on sovereign submerged lands, and does not require further authorization under Chapter 253 of the Florida Statutes, or Chapters 18-20 or 18-21 of the Florida Administrative Code.

3. Federal Review-SPGP Approved

Your proposed activity as outlined on your notice and attached drawings qualifies for Federal authorization pursuant to the State Programmatic General Permit IV-R1, and a **SEPARATE permit** or authorization **will not be required** from the Corps. Please note that the Federal authorization expires on July 25, 2016. You, as permittee, are required to adhere to all General Conditions and Special conditions that may apply to your project. A copy of the SPGP IV-R1 with all terms and conditions and the General Conditions may be found at http://www.saj.usace.army.mil/Divisions/Regulatory/sourcebook.htm.

Authority for review - an agreement with the USACOE 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 general permit. 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 filing of a petition means that the Department's final action may be different from the position taken by it in this notice.

Petition for Administrative Hearing

File Name:

File No: 19-0344410-001-EG

Page 2 of 14

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, Florida Statutes. Pursuant to rule 28-106.201, Florida Administrative Code, 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, any email address, any facsimile number, 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 at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall 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), Florida Administrative Code, petitions for an administrative hearing by the applicant 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), Florida Statutes, must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication. 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, Florida Statutes, 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, Florida Administrative Code.

Extension of Time

Under rule 62-110.106(4), Florida Administrative Code, 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

File Name:

File No: 19-0344410-001-EG

Page 3 of 14

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, before the applicable 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 the order is filed with the Clerk of the Department.

Judicial Review

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 Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, 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 of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Thank you for applying to the Submerged Lands and Environmental Resource Permit Program. If you have any questions regarding this matter, please contact Jared Searcy at the letterhead address or at (850) 245-7625 or via email at <u>Jared.Searcy@dep.state.fl.us</u>.

Executed in Bay County, Florida

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Sincerely,

Jared Searcy

Environmental Specialist II Submerged Lands and

Environmental Resources Program

File Name:

File No: 19-0344410-001-EG

Page 4 of 14

Enclosures:

Ch. 62-330.417, F.A.C.

General Conditions for All General Permits, Ch. 62-330.405, F.A.C. General Consent Conditions for Use of Sovereignty Submerged Lands General Conditions for Federal Authorization for SPGP IV-R1 Project drawings, 12 pages

Copies furnished to:

Susanna Maxwell, USACE, Susanna.R.Maxwell@usace.army.mil

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this determination, including all copies, was mailed before the close of business on <u>June 3, 2016</u>, to the above listed persons.

FILING AND ACKNOWLEDGMENT

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

Clerk _____Date__June 3, 2016

File Name:

File No: 19-0344410-001-EG

Page 5 of 14

62-330.417 General Permit for Construction, Alteration, Operation, and Maintenance of Boat Ramp Facilities.

- (1) A general permit is granted, except in waters that are accessible to manatees within Charlotte, Hillsborough, Levy, Manatee, and Pinellas Counties or the St. Johns River and its tributaries in Lake and Seminole Counties, for construction, alteration, maintenance, and operation of a single boat ramp for the following entities or facilities:
- (a) An individual, detached single-family dwelling unit or two adjacent detached single-family dwelling units, provided the ramp is located on the shared property line.
- (b) A multi-family dwelling unit, which, for the purpose of this rule, shall include attached multi-family dwelling units, regardless of the legal subdivision of the underlying property.
- (c) A commercial entity, provided such ramp is open to the general public for the life of the ramp, with or without a fee and without any membership or qualifying requirements.
- (d) A governmental entity, such as a federal, state, county, or municipal agency, or a water management or inland navigation district, provided the boat ramp is open to the general public for the life of the facility, with or without a fee. The following associated facilities are also authorized for governmental entities in accordance with the terms and conditions of this general permit, provided the ramp and associated facilities remain open to the general public for the life of the facility, with or without a fee: ingress and egress traffic lanes, boat trailer parking spaces, an access road, and associated accessory docks.
 - (2) The boat ramp and associated facilities must meet all of the following conditions:
- (a) The work is not part of a larger plan of development that requires a permit under Part IV of Chapter 373, F.S.
- (b) A minimum navigational access of two feet below mean low water in tidal waters or mean annual low water in non-tidal waters must already exist to the proposed ramp. Depth indicators shall be installed at the ramp to identify the controlling depths of the navigational access.
 - (c) There shall be no work in, on, or over submerged grassbeds or coral communities.
- (d) Dredging shall be limited to no more than 100 cubic yards, and in no case shall be more than is necessary to construct the boat ramp surface or restore the ramp to its original configuration and dimension.
- (e) The above-water portion of the boat ramp shall be paved or otherwise stabilized to prevent turbidity.
- (f) Work under this general permit shall not commence until the Agency has provided written confirmation that the applicant qualifies to use the general permit.
- (g) This general permit is limited to one use per parcel of property and cannot be combined with other general permits or exemptions.
 - (3) Construction of the boat ramp is limited as follows:
- (a) The boat ramp for a single-family or multi-family dwelling unit, under paragraph (1)(a) or (b), is limited to a single lane and must not exceed a width of 20 feet, including the side slopes, with the boat ramp surface not to exceed a width of 12 feet.
- (b) The boat ramp for a commercial or governmental entity under paragraph (1)(c) or (d) is limited to a maximum of two lanes and must not exceed a width of 60 feet, including the side slopes, with the ramp surface not to exceed a width of 36 feet.
- (c) Construction or expansion of a multi-family, commercial, or governmental boat ramp under paragraph (1)(b), (c), or (d) in waters that are accessible to manatees must meet the following

criteria:

- 1. The proposed boat ramp facility must be consistent with the state approved manatee protection plan in counties required to have a manatee protection plan adopted under Section 379.2431(2), F.S., or in counties that have voluntarily completed a state approved manatee protection plan. Documentation of plan consistency must be submitted concurrently with the notice to use the general permit in the form of a letter of consistency concurrence from the Florida Fish and Wildlife Conservation Commission.
- 2. The proposed boat ramp facility must have a kiosk or permanent information display board providing information on manatee protection and applicable manatee zones as adopted in Chapter 68C-22, F.A.C., (June 13, 2012) (http://www.flrules.org/Gateway/reference.asp?No=Ref-03179), which is incorporated by reference herein and available as provided in subsection 62-330.010(5), F.A.C., for that county.
- (d) A boat ramp for a multi-family residence or for commercial or governmental entities under paragraph (1)(b), (c), or (d) can have a maximum of two accessory docks, abutting either one or both sides of the boat ramp, provided that the cumulative square footage of accessory docks over wetlands or other surface waters does not exceed 500 square feet in Outstanding Florida Waters or 1,000 square feet outside Outstanding Florida Waters. In addition, the accessory docks shall not be used for overnight mooring.
- (4) The total impervious surface in uplands that is subject to vehicular traffic associated with a boat ramp for a governmental entity under paragraph (1)(d) shall not exceed 1.2 acres. Before operating any portion of such a boat ramp facility that contains 4,000 square feet or more impervious surface subject to vehicular traffic, a stormwater management system meeting all of the following requirements must be constructed and fully operational.
- (a) Each system must be designed by a registered professional in accordance with Chapter 471, 472, 481, or 492, F.S., as applicable, and must be constructed, operated, and maintained to serve the total project area of the boat ramp facility.
- (b) No system shall accept or treat runoff from offsite areas not associated with the total project area.
- (c) The system must provide treatment for a minimum stormwater retention volume of one-half inch of runoff. Recovery of the specified retention volume must occur within 72 hours by percolation through the sides and bottom of the retention basin.
- (d) Impervious traffic lanes and parking areas must be graded such that runoff is directed to the stormwater treatment system.
- (e) The system must include a continuous vegetated buffer strip adjacent to the downstream side of impervious areas subject to stormwater treatment. The buffer strip must be at least 25 feet wide and stabilized by well-established natural vegetation.
- (f) The permittee must maintain the treatment system and buffer strips at all times for the life of the system.
- (g) Upon completing construction of the stormwater management system, the system must be operated and maintained by the permittee in accordance with the terms of this general permit for the life of the system. The permittee shall perform routine inspections of the buffer to check for development of concentrated flow through it, gully erosion, or loss of vegetation, and must repair the buffer as soon as practical to restore shallow overland flow conditions and prevent further concentration of flow and damage to the buffer.
- (5) Commercial or governmental entities proposing to construct a boat ramp under paragraph (1)(c) or (d) shall execute and record in the public land records of the county in which the boat

File Name:

File No: 19-0344410-001-EG

ramp is located a fully executed binding agreement. Commercial entities shall execute and record the "Agreement to Maintain Public Access," incorporated herein as Form 62-330.417(1), [October 1, 2013] (http://www.flrules.org/Gateway/reference.asp?No=Ref-02508) ensuring the facility will remain open to the general public for the life of the facility. Governmental entities shall execute and record the "Agreement to Maintain Public Access and Operate Stormwater System," incorporated herein as Form 62-330.417(2), [October 1, 2013] (http://www.flrules.org/Gateway/reference.asp?No=Ref-02509) ensuring the facility will remain open to the general public for the life of the facility and to ensure that the stormwater management system associated with the boat ramp will be operated and maintained for the life of the system. Copies of incorporated materials may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C.

Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.4131, 373.414(9), 373.418, 403.805(1) FS. Law Implemented 373.118(1), (5), 373.406(5), 373.413, 373.4131, 373.414(1), (9), 373.416, 373.418, 373.426, 403.814(1) FS. History—New 10-3-95, Amended 12-9-09, Formerly 62-341.417, Amended 10-1-13.

File Name:

File No: 19-0344410-001-EG

Page 8 of 14

62-330.405 General Conditions for All General Permit

The following general permit conditions are binding upon the permittee and are enforceable under Chapter 373, F.S. These conditions do not apply to the general permit in Section 403.814(12), F.S.

- (1) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit and may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
- (2) This general permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.
- (3) This general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit.
- (4) The general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to: human health or welfare; animal, plant or aquatic life; or property. It does not allow the permittee to cause pollution that violates state water quality standards.
- (5) Section 253.77, F.S., provides that a person may not commence any excavation, construction, or other activity involving the use of state-owned or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required consent, lease, easement, or other form of authorization authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on state-owned lands.
- (6) The authorization to conduct activities under a general permit may be modified, suspended or revoked in accordance with Chapter 120, F.S., and Section 373.429, F.S.
- (7) This permit shall not be transferred to a third party except pursuant to Rule 62-330.340, F.A.C. The permittee transferring the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted project, activity, or the real property at which the permitted project or activity is located.
- (8) Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to ensure conformity with the plans and specifications approved by the permit.
- (9) The permittee shall maintain any permitted project or activity in accordance with the plans submitted to the Agency and authorized in this general permit.
- (10) A permitee's right to conduct a specific activity under this general permit is authorized for a duration of five years.
- (11) Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be implemented and maintained immediately prior to, during, and after construction as needed to stabilize all disturbed areas, including other measures specified in the permit to prevent adverse impacts to the water resources and adjacent lands. Erosion and sediment control measures shall be installed and maintained in accordance with the *State of*

File Name:

File No: 19-0344410-001-EG

Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), available at www.dep.state.fl.us/water/wetlands/docs/erp/FLErosionSedimentManual_6_07.pdf, and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), available at www.dep.state.fl.us/water/nonpoint/docs/erosion/erosion-inspectors-manual.pdf.

- (12) Unless otherwise specified in the general permit, temporary vehicular access within wetlands during construction shall be performed using vehicles generating minimum ground pressure to minimize rutting and other environmental impacts. Within forested wetlands, the permittee shall choose alignments that minimize the destruction of mature wetland trees to the greatest extent practicable. When needed to prevent rutting or soil compaction, access vehicles shall be operated on wooden, composite, metal, or other non-earthen construction mats. In all cases, access in wetlands shall comply with the following:
- (a) Access within forested wetlands shall not include the cutting or clearing of any native wetland tree having a diameter 4 inches or greater at breast height;
 - (b) The maximum width of the construction access area shall be limited to 15 feet;
 - (c) All mats shall be removed within 72 hours after the work commences; and
- (d) Areas disturbed for access shall be restored to natural grades immediately after the maintenance or repair is completed.
- (13) Barges or other work vessels used to conduct in-water activities shall be operated in a manner that prevents unauthorized dredging, water quality violations, and damage to submerged aquatic communities.
- (14) The construction, alteration, or use of the authorized project shall not adversely impede navigation or create a navigational hazard in the water body.
 - (15) Except where specifically authorized in a general permit, activities must not:
- (a) Impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands;
- (b) Cause an adverse impact to the maintenance of surface or ground water levels or surface water flows established pursuant to Section 373.042, F.S., or a Works of the District established pursuant to Section 373.086, F.S.; or
- (16) If any prehistoric or historic artifacts, such as pottery or 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 are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S.
- (17) The activity must be capable, based on generally accepted engineering and scientific principles, of being performed and of functioning as proposed, and must comply with any applicable District special basin and geographic area criteria.

File Name:

File No: 19-0344410-001-EG

Page 10 of 14

- (18) The permittee shall comply with the following when performing work within waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon:
- (a) All vessels associated with the project shall operate at "Idle Speed/No Wake" at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- (b) All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.
- (c) All in-water activities, including vessel operation, must be shutdown if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All on-site project personnel are responsible for observing water-related activities for the presence of listed species.
- (d) Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and ImperiledSpecies@myFWC.com.
- (e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at imperiledspecies@myfwc.com with details of the event within 24 hours following detection of the spill or frac-out.
- (19) The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any activity authorized by the general permit.
- (20) The permittee shall immediately notify the Agency in writing of any submitted information that is discovered to be inaccurate.

Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.4131, 373.414(9), 373.4145, 373.418, 403.805(1) FS. Law Implemented 373.044, 373.118(1), 373.129, 373.136, 373.406(5), 373.413, 373.4131, 373.414(9), 373.4145, 373.416, 373.422, 373.423, 373.429, 403.814(1) FS. History—New 10-3-95, Amended 10-1-07, Formerly 62-341.215, Amended 10-1-13.

File Name:

File No: 19-0344410-001-EG

Page 11 of 14

GENERAL CONDITIONS FOR FEDERAL AUTHORIZATION FOR SPGP IV-R1

- 1. The time limit for completing the work authorized ends on July 25, 2016.
- 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 <u>and mailing address</u> of the new owner in the space provided below 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:

File Name:

File No: 19-0344410-001-EG

Page 12 of 14

- 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 below.

File Name:

File No: 19-0344410-001-EG

Page 13 of 14

(TRANSFEREE-SIGNATURE)	(DATE)			
(NAME-PRINTED)				
(ADDRESS)				

File Name:

File No: 19-0344410-001-EG

Page 14 of 14





Project Location

DISTRICT 1 FRANKLIN COUNTY

INDIAN CREEK BOAT RAMP IMPROVEMENTS

PROJECT # FDEP CN213 TASK ASSIGNMENT NO. 2

APPLICABLE CODES AND DESIGN DATA

CODE LIST

FDOT STANDARD	SPECIFICATIONS	FOR	ROAD	&	BRIDGE	CONST.	 Latest	Edition
FDOT DESIGN S	STANDARDS			• • • •			 Latest	Edition
FLORIDA ACCES	SIBILITY CODE						 .2014	Edition

SCOPE OF PROJECT

SHANE R. WATSON

DESIGNER

0903-065

05/13/16

INITIAL ISSUE DATE

THE PROJECT WILL IMPROVE THE BOAT RAMP, REPLACE APPROXIMATELY 200 FEET OF SHEET PILING, AND CONSTRUCT A NEW ACCESS DOCK AT THE INDIAN CREEK PARK BOAT RAMP. THE CONSTRUCTED FACILITY WILL BE ADA ACCESSIBLE.

INDEX OF DRAWINGS

G100 COVER SHEET

C100 GENERAL NOTES AND CONSTRUCTION DETAILS

C101 EXISTING CONDITIONS PLAN

C102 DEMOLITION PLAN

C103 STORMWATER POLLUTION PREVENTION PLAN

C104 STORMWATER POLLUTION PREVENTION NOTES

C105 STORMWATER POLLUTION PREVENTION DETAILS

C106 SITE AND SITE CIRCULATION PLAN

C107 GRADING AND DRAINAGE PLAN

C108 GANGWAY AND FLOATING DOCK DETAILS

C109 RETAINING WALL PLAN

C110 KIOSK DETAILS

CIVIL ENGINEER

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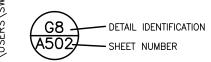


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FLORIDA



OUTSIDE DIAMETER



GENERAL CONSTRUCTION NOTES

- ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTIONS
- THE CONTRACTOR SHALL, PRIOR TO ANY CONSTRUCTION ACTIVITY, SPONSOR A PRE-CONSTRUCTION MEETING WITH ALL PERMITTING AGENCIES INVOLVED, INCLUDING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, U. S. ARMY CORPS OF ENGINEERS, REGULATORY DIVISION AND UTILITY OWNERS WHOSE
- SYSTEMS ARE WITHIN THE LIMITS OF CONSTRUCTION. 4. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE OF ANY CONFLICTS BEFORE PERFORMING WORK IN THE AFFECTED AREA
- 5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR RESULTING FROM THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN
- THIS CONTRACT 6. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRE-CAST MATERIALS
- AND MANUFACTURED ITEMS FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. 7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE FOLLOWING IN THE FIELD: RIGHT OF WAY LINES, BENCHMARKS (ELEVATIONS), COORDINATES, CENTERLINES AND STATIONING AS MAY BE REQUIRED TO
- FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER DETAILS ON PLANS: A. ACCESSIBLE PARKING SPACE(S) SHALL BE 12 FT. WIDE WITH WHITE STRIPING OUTER LINE, BLUE STRIPING

8. THE CONTRACTOR SHALL BE ACCOUNTABLE DURING CONSTRUCTION FOR ALL PROJECT IMPROVEMENTS. THE

- B. ACCESS AISLE(S) SHALL BE 5 FT. WIDE WITH REQUIRED DIAGONAL STRIPING IN APPROVED BLUE MARKING
- C. PARKING SPACE(S) AND ACCESS AISLE(S) SHALL BE LEVEL (NOT TO EXCEED 1:50 SLOPE IN ANY DIRECTION)
- D. APPROVED H/C SIGN AT PROPER MOUNTING HEIGHT (7 FT. FROM PAVEMENT TO BOTTOM OF SIGN). SIGN SHALL INDICATE, "VAN ACCESSIBLE." E. ALL RAMPS OTHER THAN CURB RAMPS AS REFERENCED ABOVE SHALL COMPLY WITH THE DESIGN REQUIREMENTS OF FEDERAL ADA REGULATION, 28 C.F.R. PART 36 AND FLORIDA BUILDING CODE 5TH
- F. CONCRETE MIX DESIGN SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE AT LEAST THREE (3) WORKING DAYS PRIOR TO PLACEMENT. ALL CONCRETE SHALL BE CLASS 1, UNREINFORCED, AND SHALL BE CONSTRUCTED IN ACCORDANCE TO FDOT SPEC.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE LOCATION OF EXISTING UTILITIES AS NECESSARY BY CONTACTING ONLINE811 AT http://www.online811.com/irthonecall/default.aspx for UNDERGROUND UTILITIES LOCATION. NOTIFICATION SHALL OCCUR TWO (2) FULL BUSINESS DAYS BEFORE
- 10. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO M.U.T.C.D. STANDARDS.

SECTION 522 UNLESS OTHERWISE SPECIFIED.

SEQUENCE OF CONSTRUCTION

- 1. CONSTRUCT TREE PROTECTION BARRICADES AND SEDIMENTATION/EROSION CONTROLS. CLEARLY "FLAG" THE LIMITS OF CONSTRUCTION. CONSTRUCTION ACTIVITY SHALL NOT COMMENCE UNTIL THE SEDIMENT/EROSION CONTROLS AND TREE PROTECTION BARRICADES HAVE BEEN INSPECTED AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
- . CLEAR AND GRUB ONLY THE AREAS NOTED TO BE DISTURBED FOR CONSTRUCTION OF FACILITIES. DO NOT DISTURB THOSE AREAS THAT ARE DESIGNATED AS BUFFERS. DEMOLISH EXISTING FEATURES AS NECESSARY TO COMPLETE THE OUTLINED WORK. STOCKPILE ALL TOPSOIL FOR REUSE IN THE DESIGNATED LOCATIONS ON SITE PROTECTED WITH THE PROPER SEDIMENT/EROSION CONTROLS MEASURES.
- 3. CONSTRUCT ALL IMPROVEMENTS SUCH AS THE RAMP, SEAWALL, ACCESS DOCK AND PARKING IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- 4. REMOVE AND DISTRIBUTE ANY REMAINING SEDIMENT 5. LANDSCAPE IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS. PLACE SOD OR SEED AND MULCH ALL REMAINING DISTURBED AREAS OF THE SITE.
- 6. REMOVE ALL EROSION CONTROL DEVICES. 7. CONTRACTOR SHALL PROVIDE THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE WITH A SIGNED AND SEALED AS-BUILT SURVEY.

SURVEY NOTES

- 1. ALL POINTS AND MONUMENTS SHALL BE SURVEYED UPON MOBILIZATION TO VERIFY THEIR ACCURACY. ANY DISCREPANCIES DISCOVERED MUST BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S DESIGNATED
- REPRESENTATIVE IN WRITING PRIOR TO CONSTRUCTION 2. MONUMENTS AND OTHER SURVEY CONTROL POINTS SHALL BE PROTECTED FROM DAMAGE AND DISTURBANCE. IF ANY CONTROL POINTS ARE DAMAGED OR DISTURBED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE AND REPLACE THE CONTROL POINTS TO THEIR ORIGINAL CONDITION AT HIS OWN EXPENSE.
- 3. BEARINGS ARE GRID BEARINGS BASED ON STATE PLANE COORDINATES, FLORIDA NORTH ZONE, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83(2011)).
- 4. ELEVATION DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). 5. 5. ALL DISTANCES AND ELEVATIONS ARE EXPRESSED IN U.S. SURVEY FEET AND DECIMAL PARTS THEREOF UNLESS OTHERWISE SHOWN.
- ANY PUBLIC LAND CORNER OR BENCH MARK WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE IMMEDIATELY. ANY MONUMENT OTHERWISE DESTROYED BY THE CONTRACTOR SHALL BE RESET BY A PROFESSIONAL SURVEYOR AND MAPPER LICENSED IN THE STATE OF FLORIDA AT THE CONTRACTOR'S EXPENSE.
- 8. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE IMMEDIATELY.
- 9. IF ANY GEODETIC MONUMENT WITHIN THE LIMITS OF CONSTRUCTION ARE DISTURBED, THE CONTRACTOR SHALL NOTIFY:
- MR. DAVID NEWCOMER NATIONAL GEODETIC SURVEY FLORIDA GEODETIC ADVISOR 3900 COMMONWEALTH BLVD TALLAHASSEE, FL 32399 (850) 245-2610

(202) 306-5736 (CELL) DAVID.NEWCOMER@NOAA.GOV

GRADES SHOWN ARE FINISHED GRADES.

10. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE WITH SIX (6) COPIES OF A SIGNED AND SEALED AS-BUILT SURVEY PREPARED BY A PROFESSIONAL SURVEYOR AND MAPPER LICENSED IN THE STATE OF FLORIDA TO VERIFY THE INSTALLATION OF ALL IMPROVEMENTS HAVE BEEN SUBSTANTIALLY CONSTRUCTED ACCORDING TO THE PLANS. IN ADDITION, CONTRACTOR SHALL PROVIDE A COPY OF THE SURVEY IN CADD FORMAT ON ELECTRONIC MEDIA.

DEMOLITION NOTES

- . REFER TO THE SEQUENCE OF CONSTRUCTION FOR TIMING OF DEMOLITION. 2. THE DEMOLITION PLAN IS PROVIDED TO IDENTIFY THE EXISTING SURFACE ELEMENTS THAT SHALL BE
- 3. THIS PROPERTY HAS HISTORY OF DEVELOPMENT THEREFORE, UNKOWN DEBRIS OR UTILITIES MAY EXIST WITHIN THE PROJECT LIMITS.

TREE REMOVAL AND PROTECTION NOTES

- I. CONTRACTOR SHALL LOCATE ALL TREES NOTED FOR REMOVAL BY THESE PLANS. TREES SHALL BE REMOVED FROM THE PROJECT SITE IN A TIMELY MANNER SO AS NOT TO IMPEDE CONSTRUCTION PROGRESS OF THE
- 2. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN AS INDICATED ON THE PLANS SHALL BE PROTECTED IN ACCORDANCE WITH DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREE SHOWN TO REMAIN SHALL BE
- REMOVED WITHOUT APPROVAL FROM THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. 3. PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL PROTECTED TREES PRIOR TO SITE CLEARING, AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE. THE BARRICADE SHALL BE CONSTRUCTED TO PREVENT THE ENCROACHMENT OF EQUIPMENT OR VEHICLES, THE REMOVAL OF EXISTING GROUNDCOVER, THE DISTURBANCE OR COMPACTION OF SOIL, OR THE SCARRING OF ROOTS WITHIN THE CRITICAL PROTECTION ZONE (CPZ). THERE SHALL BE NO STORAGE OF MATERIALS OR EQUIPMENT OF ANY KIND WITHIN THIS ZONE.
- 4. THE CONTRACTOR IS REQUIRED TO PREVENT DAMAGE TO TREES THAT ARE TO REMAIN. DAMAGE TO PROTECTED TREES WILL NOT BE TOLERATED. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE TO TREES THAT ARE DESIGNATED TO BE SAVED DURING CONSTRUCTION
- 5. ALL TRIMMING OF PROTECTED TREES SHALL BE DONE BY A QUALIFIED, LICENSED ARBORIST AND SHALL BE PRUNED IN ACCORDANCE WITH THE NATIONAL ARBORIST ASSOCIATION (NAA) PRUNING STANDARDS.
- 6. ALL PROTECTED TREES SHALL BE WATERED BY MECHANICAL IRRIGATION AT'A MINIMUM RATE EQUIVALENT TO ONE INCH OF RAINFALL PER WEEK.

SITEWORK NOTES

- 1. THE TOP 4" TO 6" OF SOIL SHALL BE REMOVED DURING CLEARING AND GRUBBING UNLESS THERE IS THE PRESENCE OF LIMEROCK IN WHICH CASE THE LIMEROCK SHALL BE LEFT UNDISTURBED. THE REMOVED SOIL SHALL BE STOCKPILED AT A SITE DESIGNATED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE TO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER. REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE. EXCESS MATERIAL IS TO BE DISPOSED OF AS DIRECTED BY THE OWNER OR OWNER'S DESIGNATED RESPRESENTATIVE.
- 2. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE SITE.
- 3. THE CONTRACTOR SHALL SURVEY AND STAKE THE CLEARING LIMITS AS INDICATED BY THE PLANS AND RECEIVE APPROVAL FROM THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO COMMENCING WITH THE CLEARING AND GRUBBING OPERATION. (REFER TO TREE PROTECTION DETAILS AND NOTES.)
- 4. BURNING OF MATERIALS AND/OR DEBRIS AS A MEANS OF DISPOSAL IS PROHIBITED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL DISPOSE OF ALL CLEARING AND GRUBBING MATERIAL, CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS

- 5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING WRITTEN PERMISSION FROM THE PROPERTY OWNERS PRIOR TO STORING OR STAGING ANY EQUIPMENT OR MATERIALS ON ANY PROPERTY NOT OWNED OR LEASED BY THE COUNTY. A COPY OF THE WRITTEN PERMISSION SHALL BE PROVIDED TO THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO STORING OR STAGING.
- 6. GEOTECHNICAL ENGINEERING SERVICES INCLUDING SOIL BORINGS HAVE BEEN PROVIDED BY. NOVA ENGINEERING AND ENVIRONMENTAL.THE CONTRACTOR CAN OBTAIN A COPY OF THE REPORT FROM THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. THERE IS NO ASSUMPTION OF RESPONSIBILITY ON THE PART OF THE ENGINEER FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF THE GEOTECHNICAL
- DATA PROVIDED BY NOVA ENGINEERING AND ENVIRONMENTAL. 7. CLEARING AND GRUBBING INCLUDES THE REMOVAL OF ALL INCIDENTAL ITEMS INCLUDING BUT NOT LIMITED TO STRUCTURES, CONCRETE, ASPHALT, GRAVEL, FENCING AND ANY OTHER IMPROVEMENTS TO BE REMOVED. IT
- SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF SUCH ITEMS OFF SITE. 8. ALL ROCKS OR STONES LARGER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL BACKFILL MATERIAL PLACED WITHIN 1-FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY
- 9. 1ALL SIDEWALKS TO BE A MINIMUM 3,000 PSI FIBER REINFORCED CONCRETE AND 4" THICK. 10. ANY DAMAGE TO EXISTING TOPOGRAPHIC FEATURES NOT SPECIFICALLY RELATED TO THE SCOPE OF WORK, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 11. WITH EXCEPTION OF NATURAL UNDISTURBED AREAS, ALL PROPOSED PLANTING BEDWORKS (INCLUDE POND LITORAL AREA BEDWORKS) SHALL BE OVER-EXCAVATED TO A MINIMUM DEPTH OF 24 IN. AND BACKFILLED WITH A CLEAN, FRIABLE, FINISH SOIL LAYER, PREPARED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 162. ALL REMAINING OPEN LANDSCAPE AREAS TO RECEIVE SOD AND/OR TREE PLANTINGS SHALL BE OVER-EXCAVATED TO A MINIMUM DEPTH OF 8 IN. AND BACKFILLED WITH A CLEAN FRIABLE FINISH SOIL LAYER, PREPARED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 162. ANY PLANTING AREA WHERE CLAY SOILS ARE ENCOUNTERED SHALL BE OVER-EXCAVATED TO RECEIVE A 24 IN. FINISH SOIL LAYER AS SPECFICIED HEREIN.

SITE PLAN AND COORDINATE GEOMETRY

STONES LARGER THAN 2" IN DIAMETER.

- . REFER TO THE EXISTING CONDITIONS MAP FOR ELEVATIONS
- 2. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING STRUCTURES AND OTHER FEATURES AFFECTING THIS WORK PRIOR TO CONSTRUCTION.
- 3. ALL DIMENSIONS SHOWN ON PLAN ARE TO THE EDGE OF PAVEMENT, FACE OF CURB OR CENTERLINE OF STRUCTURE, UNLESS NOTED OTHERWISE. 4. NO ENGINEER'S FINAL CERTIFICATION CAN BE SUBMITTED UNTIL THE "AS-BUILT" INFORMATION IS RECEIVED, REVIEWED, AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. THE CONTRACTOR SHALL ALLOW THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE A MINIMUM OF FOUR (4) WEEKS TO COMPLETE THE REVIEW OF THE "AS-BUILT" INFORMATION UPON RECEIPT, PRIOR TO SUBMITTAL TO APPLICABLE AGENCIES.

PAVING AND GRADING NOTES

- 1. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MULCH, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER. THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE, OR REPRESENTATIVE FROM THE SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS AND IN ACCORDANCE WITH THE SOILS REPORT. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL
- PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE APPURTENANCES ARE BEING PLACED. 3. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE SOIL TESTING COMPANY OR OWNER OR OWNER'S DESIGNATED REPRESENTATIVE AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS OR THE REFERENCED SOIL REPORTS.
- 4. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS. 5. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH OWNER OR OWNER'S DESIGNATED
- REPRESENTATIVE PRIOR TO ANY ELEVATION CHANGES 6. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
- 7. CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS. 8. ALL PAVEMENT MARKING WITH THE EXCEPTION OF PARKING STALLS SHALL BE MADE WITH PERMANENT
- 9. THE CONTRACTOR SHALL STABILIZE BY SEED AND MULCH, SOD OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE PAVEMENT AREAS. CONTRACTOR
- SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY THE OWNER. 10. EXISTING SIGNAGE THAT WILL BE AFFECTED BY CONSTRUCTION SHALL BE RELOCATED DURING CONSTRUCTION AND KEPT VISIBLE AT ALL TIMES.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH AN INDEPENDENT TESTING COMPANY TO VERIFY COMPACTION. UPON COMPLETION OF THE WORK, SOILS ENGINEER SHALL SUBMIT CERTIFICATIONS TO OWNER AND THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE STATING THAT ALL REQUIREMENTS HAVE BEEN

PRE-STRESSED CONCRETE BOAT RAMP NOTES

- 1. CONTRACTOR SHALL SUBMIT CERTIFIED ENGINEERING CONSTRUCTION PLANS AND DETAILS FOR THE PROPOSED. BOAT RAMP TO THE OWNER FOR REVIEW AND APPROVAL. THE PLANS MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE PLANS MUST BE APPROVED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO THE INITIATION OF CONSTRUCTION. THE BOAT RAMP DESIGN SHALL MEET THE FOLLOWING CRITERIA:
- A. THE RAMP SHALL BE OF PRE-CAST REINFORCED CONCRETE DESIGN WITH APPROPRIATE FOOTINGS TO SUPPORT THE BOAT RAMP. DESIGN SHALL ALSO PROVIDE STABILIZATION TIE-INS. B. ALL CONCRETE SHALL BE MINIMUM 4,000 PSI CONCRETE.
- C. CONTRACTOR MUST PROVIDE, IN WRITING, WARRANTIES AND GUARANTIES FOR ALL MATERIALS LABOR AND SERVICES FOR A MINIMUM OF FIVE (5) YEARS.

CONCRETE BOAT RAMP SLAB SHALL BE 6" THICK WITH A RAKE FINISH FOR A NON-SLIP SURFACE.

- 2. BASED ON THE APPROVED BOAT RAMP CONSTRUCTION PLANS AND DETAILS, THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE BOAT RAMP TO THE DIMENSIONS AND SLOPES THAT ARE
- 3. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF THE RAMP.

TRENCHING NOTES

- 1. THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATION 29 C.F.R.
- 5. 1926 SUBPART P. 2. FOR TRENCH EXCAVATIONS IN WHICH SUCH EXCAVATION WILL EXCEED FIVE (5) FEET DEEP, THE CONTRACTOR WHO WILL PERFORM SUCH EXCAVATION SHALL SUBMIT TO THE OWNER:
- A. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE TRENCH EXCAVATION PERIOD OF CONSTRUCTION OF THE PROJECT. WRITTEN ASSURANCE BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR SHALL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
- 3. THE CONTRACTOR PERFORMING TRENCH EXCAVATION SHALL: A. AS A MINIMUM, COMPLY WITH THE EXCAVATION SAFETY STANDARDS WHICH ARE APPLICABLE TO THE
- B. ADHERE TO ANY SPECIAL SHORING REQUIREMENTS, IF ANY, OF THE STATE OR OTHER POLITICAL

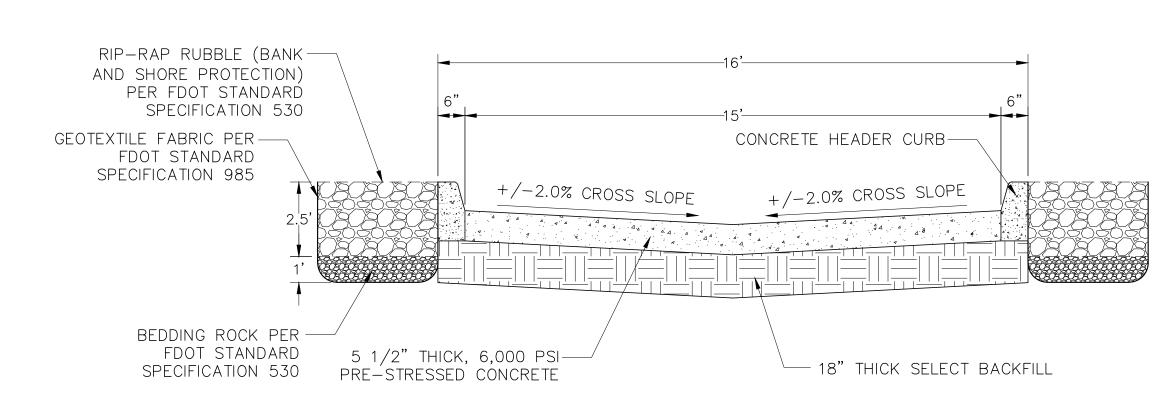
SUBDIVISIONS WHICH MAY BE APPLICABLE TO SUCH A PROJECT.

ADDITIONAL GEOTECHNICAL INFORMATION.

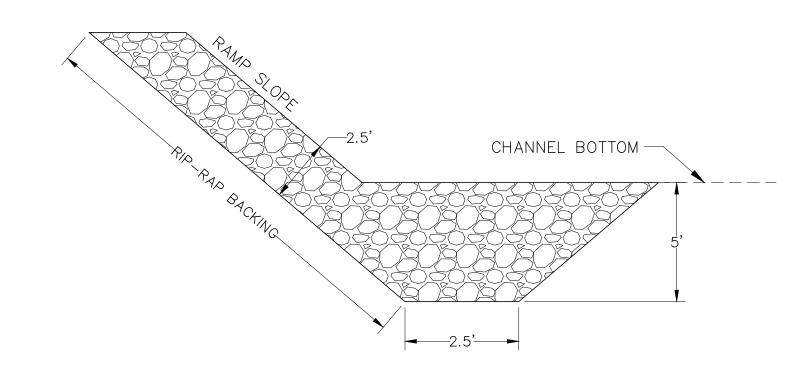
C. THE CONTRACTOR PERFORMING TRENCH EXCAVATION SHALL CONSIDER AVAILABLE GEOTECHNICAL INFORMATION IN THE DESIGN OF THE TRENCH SAFETY SYSTEM WHICH IT SHALL EMPLOY ON THE PROJECT. A COPY OF THE GEOTECHNICAL INFORMATION CAN BE OBTAINED FROM THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE. THIS PARAGRAPH SHALL NOT REQUIRE THE OWNER TO OBTAIN

DOCK AND GANGWAY NOTES

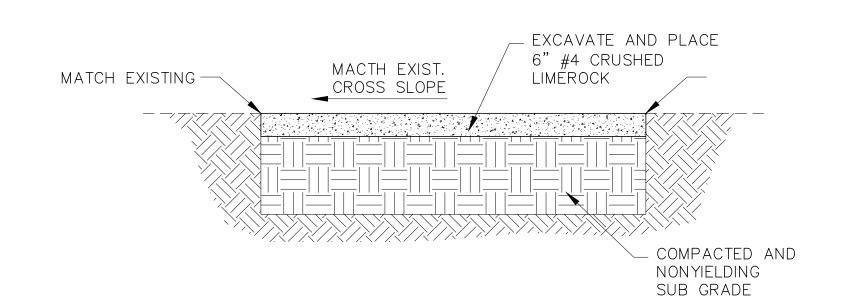
- DOCK WITH PILES-FLOATING DOCK WITH RIGID BOLTED CONNECTION BETWEEN DOCKS WITH STAINLESS STEEL HARDWARE. POLY FLOAT SYSTEM WITH INTERNAL SINGLE ROLLER EXTERNAL PILE GUIDES TO PROVIDE UNLOADED FREEBOARD OF APPROXIMATELY 18 INCHES. WELDED ALUMINUM FRAME TO BE MARINE GRADE, 6061-T6 E CHANNEL. PROVIDE PRESSURE TREATED PINE FENDER AND VINYL "P" BUMPER. SLIP RESISTANT ALUMINUM DECKING REQUIRED. DOCK CLEATS TO BE PROVIDED AS SHOWN.
- SLIP RESISTANT ALUMINUM DECKING OVER WELDED ALUMINUM FRAME TO BE MARINE GRADE, 6061-T6, E CHANNEL HINGE ON TOP AND ROLLER ON BOTTOM. TREAD PLATE AND WEAR PLATE TO BE PROVIDED. SIGNED AND SEALED SHOP DRAWINGS TO BE PROVIDED WITH ALL DOCK AND GANGWAY COMPONENTS.



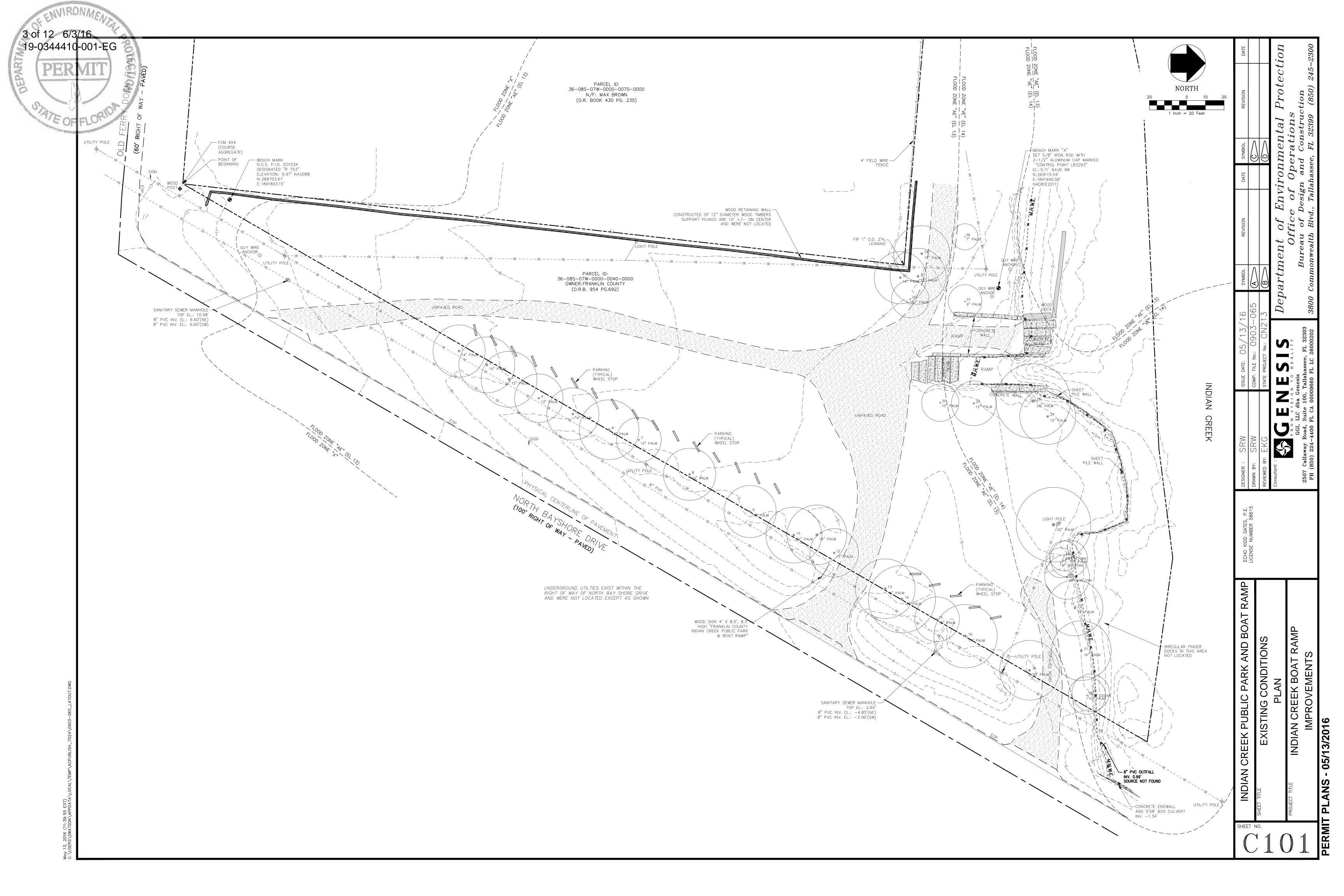
TYPICAL CONCRETE BOAT RAMP SECTION

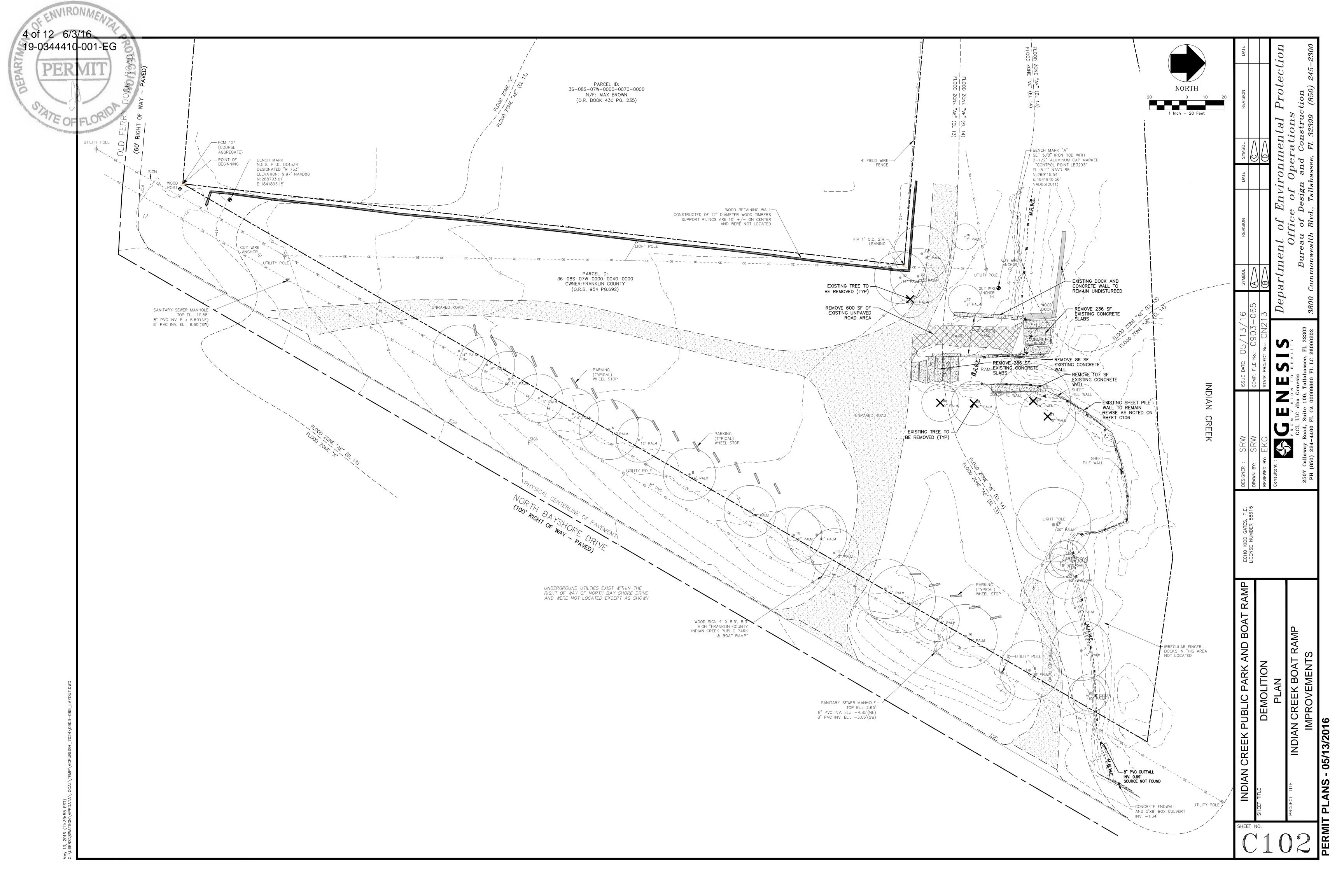


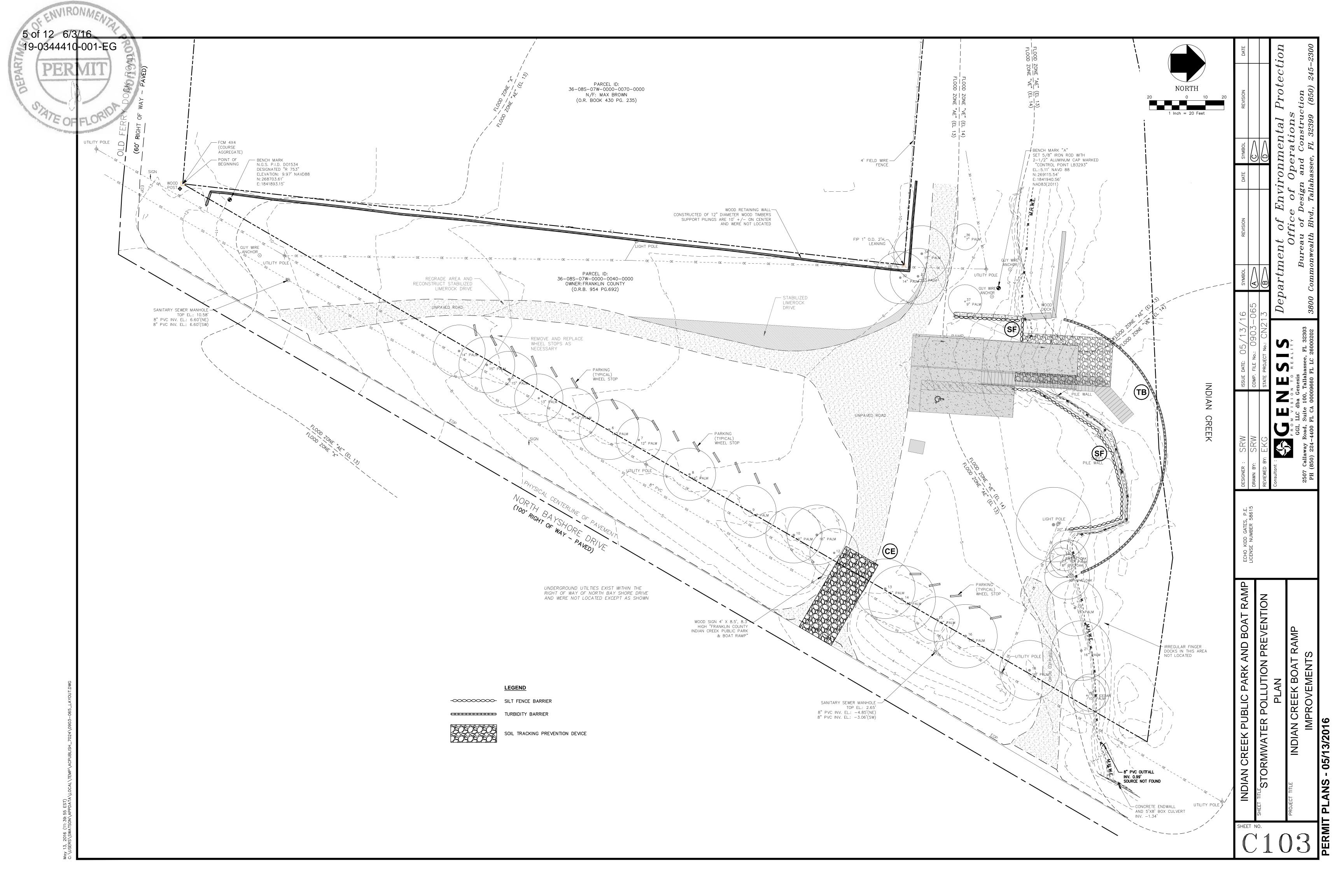
RIP-RAP RUBBLE BANK AND SHORE PROTECTION SECTION



STABILIZED LIMEROCK DRIVE SECTION







PROJECT OVERVIEW

INDIAN CREEK PUBLIC PARK AND BOAT RAMP IS LOCATED ON NORTH BAYSHORE DRIVE IN FRANKLIN COUNTY, FLORIDA. STORMWATER FROM THE SITE WILL DISCHARGE TO AN EAST BAY INLET. LAND DISTURBANCE IS EXPECTED TO OCCUR THROUGHOUT THE 1.47 ACRE (AC.) SITE.

PROJECT DESCRIPTION CONSTRUCTION ACTIVITIES FOR THE PROJECT INCLUDE BUT ARE NOT LIMITED TO THE DEMOLITION OF THE EXISTING BOATRAMP AND CONCRETE WALL, INSTALLATION OF A NEW BOATRAMP. SIDEWALK. ACCESIBLE PARKING SPACE, GANGWAY, FLOATING DOCK, SHEET PILE WALL, CONCRETE RETAINING WALL, AND PARK KIOSK. EXCAVATED SOIL THAT CANNOT BE USED FOR BACKFILL SHALL BE REMOVED FROM THE SITE AND DEPOSITED IN AN APPROVED LANDFILL. ADDITIONALLY, DRIVEWAY RESTORATION SHALL BE COMPLETED AS ENCOUNTERED DURING CONSTRUCTION.

THE DRAINAGE DISCHARGE POINT FOR PARK OCCURS AT THE INLET BANK AT LATITUDE 29°44'22.0956" N, LONGITUDE 84°53'55.2048" W.

ACCORDING TO THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) SOILS WITHIN THE PROJECT SITE ARE 63.3% RESOTA FINE SAND (SOIL NUMBER 29), AND 36.4% AQUENTS, (SOIL NUMBER 5). ERODIBILITY RATING (WHOLE SOIL) FOR RESOTA FINE SAND IS 0.05, ON A SCALE OF 0.02 TO 0.69.

CONTRACTOR SHALL COMPLETE THE NECESSARY RECORD KEEPING TASKS IN A

- REGULAR AND EXPEDIENT MANNER WHILE CONSTRUCTION ACTIVITIES ARE OCCURRING. 1. CONTRACTOR SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION (NOT) IS SUBMITTED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP):
- A) A COPY OF ALL NOTICES OF INTENT (NOI) SUBMITTED TO FDEP;
- B) A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN; C) A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT;
- D) A COPY OF ALL INSPECTION REPORTS GENERATED AS REQUIRED BY THE FDEP NPDES GENERAL PERMIT
- E) A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED DURING THE COURSE OF THE PROJECT;
- F) DAILY RAINFALL INFORMATION COLLECTED. 2. CONTRACTOR SHALL RECORD THE FOLLOWING DATES:
- A) WHEN MAJOR GRADING ACTIVITIES OCCUR;
- B) WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE;
- C) WHEN STABILIZATION (I.E. EROSION CONTROL) MEASURES BEGIN. 3. CONTRACTOR SHALL PROVIDE A FOREMAN OR SUPERINTENDENT WHO IS CERTIFIED UNDER THE FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM. SAID FOREMAN OR SUPERINTENDENT SHALL BE AVAILABLE IN PERSON OR BY TELEPHONE AT ALL TIMES DURING CONSTRUCTION
- 4. QUALIFIED INSPECTORS WHO HAVE KNOWLEDGE AND EXPERIENCE IN THE PRINCIPLES AND PRACTICE OF SEDIMENT AND EROSION CONTROL SHALL COMPLETE PROJECT SITE INSPECTIONS:
- A) AT LEAST ONCE EVERY SEVEN (7) DAYS;
- B) WITHIN 24 HOURS AFTER THE END OF A STORM EVENT OF 0.50 INCHES (IN.)
- 5. COPIES OF ALL NOI'S, NOT'S, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE REPORTS AND ALL OTHER RECORDS RESULTING FROM THE NPDES GENERAL PERMIT SHALL BE RETAINED BY THE CONTRACTOR WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE PERMIT. RECORDS SHALL BE MAINTAINED AT THE CONTRACTORS PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE SITE
- 6. CONTRACTOR SHALL PROVIDE COPIES OF ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) RECORDS TO THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE BY THE 10TH DAY OF EACH MONTH FOR THE IMMEDIATELY PRECEDING MONTH.

CRITICAL AREAS THERE ARE NO KNOWN CRITICAL AREAS WITHIN THE PROJECT LIMITS.

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN NPDES CONSTRUCTION PERMIT PRIOR TO CONSTRUCTION ACTIVITIES AND FOR COMPLIANCE WITH ALL
- STATE, LOCAL, AND FEDERAL PERMITS RELATED TO THIS PROJECT 2. THE EROSION CONTROL MEASURES SET FORTH IN THESE PLANS ARE INTENDED AS MINIMUM STANDARDS. ALL EROSION CONTROL REQUIRED SHALL BE IN ACCORDANCE WITH THE SWPPP. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXPOSED AREAS, COST OF WHICH SHALL BE INCIDENTAL TO THE PROJECT
- 3. PRIOR TO THE REQUIRED PRE-CONSTRUCTION MEETING, CONTRACTOR SHALL PROVIDE IN WRITING THE NAME AND TELEPHONE NUMBER OF THE STORMWATER CONTROL OFFICER TO FRANKLIN COUNTY PLANNING AND BUILDING DEPARTMENT
- 4. THE STORMWATER CONTROL OFFICER SHALL BE RESPONSIBLE FOR CONTINUALLY MONITORING WEATHER CONDITIONS AND EVALUATING THE EFFECTIVENESS OF THE CONTROL MEASURES THROUGHOUT ALL PHASES OF CONSTRUCTION. 5. AS CONSTRUCTION PROGRESSES, THE STORMWATER CONTROL OFFICER SHALL MAKE
- ADJUSTMENTS AND/OR INSTALL ADDITIONAL MEASURES TO PREVENT DIRECT FLOW OR TRACKING OF SEDIMENTS ONTO ADJACENT PROPERTY, CONSERVATION AREAS, PUBLIC STREETS OR DRAINAGE SYSTEMS. 6. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PLACED
- ADJACENT TO ANY WATERWAY OR DRAINAGE FEATURE PRIOR TO CONSTRUCTION AND REMAIN IN PLACE UNTIL CONSTRUCTION OF THE FEATURE IS COMPLETE AND ALL AREAS ARE SUITABLY STABILIZED.
- 7. CONTRACTOR SHALL REVISE THE SWPPP WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING AN INSPECTION WHEN ADDITIONS AND/OR MODIFICATIONS TO BEST MANAGEMENT PRACTICES (BMPS) ARE NECESSARY TO CORRECT OBSERVED PROBLEMS. REVISIONS SHALL OCCUR WHENEVER:
- A) A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE AT THE CONSTRUCTION SITE HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THE DOCUMENT;
- B) DISCHARGES ARE CAUSING WATER QUALITY EXCEEDANCES, AS DEFINED BY THE EPA, OR THE BMPS ARE INEFFECTIVE IN MINIMIZING POLLUTANTS IN STORMWATER DISCHARGING FROM THE CONSTRUCTION SITE.
- 8. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AT LOCATIONS SHOWN IN THE PLANS OR AS REQUIRED UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. ALL EROSION CONTROL MEASURES ARE THEN TO BE REMOVED UPON APPROVAL BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE.
- 9. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION, SEDIMENTATION AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT LOCATIONS DESCRIBED IN THE APPROVED SWPPP OR AS DIRECTED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
- 10. ANY SEDIMENTS, GRAVEL OR MUD SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ADJACENT PROPERTY, ROADWAYS OR INTO STORM DRAINAGE SYSTEMS SHALL BE RECOVERED AND DISPOSED OF PROPERLY. 11. SWEEPING THE PERIMETER ROADS SHALL BE REQUIRED AS NEEDED TO REMOVE
- ANY DEBRIS OR SEDIMENT RESULTING FROM PROJECT ACTIVITIES OR AT THE DIRECTION OF REGULATORY AGENCIES INSPECTING THE PROJECT. 12. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED DURING ANY PHASE OF DEVELOPMENT AT THE DISCRETION OF REGULATORY

AGENCIES INSPECTING THE PROJECT.

- 13. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE. CONTRACTOR SHALL PROVIDE THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. SINCE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED THE MSDS SUBMITTAL. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE AND WHO SHALL PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION,
- SHALL RE-LOCATE CONSTRUCTION ACTIVITIES TO ANOTHER AREA OF THE PROJECT UNTIL SUCH APPROVAL IS PROVIDED. 14. ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES SHALL BE REJECTED FOR USE ON THE PROJECT. CONTRACTOR SHALL FURNISH THE OWNER OR OWNER'S DESIGNATED

RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE

OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE; HOWEVER, CONTRACTOR

AND REMEDIATION OF THE HAZARDOUS MATERIAL. CONTRACTOR SHALL NOT

- REPRESENTATIVE, PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICE DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY, STRAW, AND MULCH MATERIALS ARE FREE OF NOXIOUS WEEDS.
- 15. EQUIPMENT MAINTENANCE AND REPAIR SHALL BE LIMITED TO ONE AREA OF THE PROJECT. AN ADEQUATE NUMBER OF WASTE DISPOSAL RECEPTACLES FOR LIQUID AND SOLID WASTE SHALL BE PROVIDED. WASTE SHALL BE DISPOSED OF PROPERLY OFF-SITE. THE MAINTENANCE AREAS SHALL BE INSPECTED AND CLEANED DAILY. CARE SHALL BE TAKEN THAT ANY OILS, GASOLINE, GREASE, SOLVENTS, AND OTHER POTENTIAL POLLUTANTS SHALL NOT BE WASHED DIRECTLY INTO THE ADJACENT STORMWATER MANAGEMENT FACILITY EITHER DIRECTLY OR INDIRECTLY THROUGH THE STORMWATER CONVEYANCE SYSTEM.
- 16. A SUFFICIENT NUMBER OF WASTE AND TRASH RECEPTACLES SHALL BE PROVIDED AT ALL TIMES. RECEPTACLES AND OTHER WASTE COLLECTION AREAS SHALL BE KEPT NEAT AND ORDERLY. TRASH CANS AND DUMPSTERS SHALL HAVE COVERS TO PREVENT THE ENTRANCE OF RAINFALL. ALL WASTE MATERIALS SHALL BE COLLECTED WEEKLY AT A MINIMUM AND DISPOSED AT A SUITABLE LANDFILL. TRASH COLLECTION POINTS SHALL BE LOCATED WHERE THEY WILL BE LEAST IMPACTED BY CONCENTRATED STORMWATER RUNOFF
- 17. DUST CONTROL TECHNIQUES SHALL BE USED DURING DEMOLITION WHERE LARGE AMOUNTS OF DUST ARE GENERATED. IF WATER OR SLURRY IS USED TO CONTROL DUST, IT SHALL BE RETAINED ON THE SITE AND NOT BE ALLOWED TO ENTER THE CONVEYANCE SYSTEM, THE ADJACENT STORMWATER MANAGEMENT FACILITY OR
- 18. DUMP TRUCKS, CONCRETE TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE WASHED AT LOCATIONS WHERE RUNOFF WILL FLOW DIRECTLY INTO THE ADJACENT STORMWATER MANAGEMENT FACILITY OR STORMWATER CONVEYANCE SYSTEM. AN AREA SHALL BE DESIGNATED BY THE CONTRACTOR FOR WASHING VEHICLES AND WILL BE LOCATED WHERE THE WASH WATER WILL SPREAD OUT AND EVAPORATE OR INFILTRATE DIRECTLY INTO THE GROUND OR WHERE THE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING OR SEEPAGE BASIN. WASH AREAS SHALL HAVE GRAVEL BASES TO MINIMIZE MUD GENERATION
- 19. AN ISOLATED AREA SHALL BE DESIGNATED TO STORE CHEMICALS, CEMENTS SOLVENTS, PAINTS, OR OTHER POTENTIAL WATER POLLUTANTS. THE AREA SHALL BE SO LOCATED AS TO ELIMINATE RUNOFF POLLUTION. TOXIC CHEMICALS AND MATERIALS, SUCH AS PESTICIDES, PAINTS, AND ACIDS SHALL BE STORED ACCORDING TO THE MANUFACTURER'S GUIDELINES. CARE SHALL BE TAKEN IN THE USE OF THESE MATERIALS TO AVOID ACCIDENTAL SPILLS. CONTAINERS OF CONSTRUCTION MATERIALS SHALL NOT BE WASHED IN OR NEAR THE ADJACENT STORMWATER MANAGEMENT FACILITY OR THE STORMWATER CONVEYANCE SYSTEM. GROUNDWATER RESOURCES SHALL BE PROTECTED BY THE USE OF PLASTIC MATS TAR PAPER OR OTHER IMPERVIOUS MATERIALS ON ANY GROUND SURFACE WHERE TOXIC LIQUIDS ARE TO BE OPENED AND STORED.
- 20. ADEQUATE SANITARY FACILITIES SHALL BE PROVIDED DURING ALL CONSTRUCTION PHASES FOR WORKERS ACCORDING TO APPLICABLE HEALTH AND SAFETY PRACTICES AND REGULATIONS. SANITARY FACILITIES SHALL BE LOCATED AWAY FROM INLETS AND THE ADJACENT STORMWATER MANAGEMENT FACILITY TO AVOID ACCIDENTAL SPILLS INTO THE STORMWATER SYSTEM. CONSTRUCTION SCHEDULE

THE PROJECT WILL BE CONSTRUCTED IN ONE PHASE, WITH A CONSTRUCTION START OF JULY, 2016. CONSTRUCTION IS EXPECTED TO BE COMPLETE BY OCTOBER, 2016 WITH DURATION OF 120 DAYS.

BEST MANAGEMENT PRACTICES THE FOLLOWING BMPS SHALL BE USED TO CONTROL SEDIMENTATION AND EROSION

DURING THE PROJECT: 1. CE - A CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO PREVENT THE

- TRACKING OF SOILS FROM THE SITE ONTO THE ADJACENT ROADWAYS. 2. SF- SILT FENCE SHALL BE USED TO DETER MIGRATION OF SEDIMENTS FROM THE
- 3. TBIII FLOATING TURBIDITY BARRIERS SHALL BE UTILIZED FOR ASSURANCE THAT SEDIMENT THAT ESCAPES THE SILT FENCES WILL NOT MIGRATE FURTHER INTO DOWNSTREAM WATERS. TYPE III TURBIDITY BARRIER IS BE USED WHERE THE

EXPECTED CURRENT IS LESS THAN 3 KNOTS (5 FT./SEC.), TIDALLY INFLUENCED OR

- THERE IS THE POTENTIAL FOR WAVE OR WIND ACTION. SPECIFICATIONS CE - CONSTRUCTION ENTRANCE
- 1. THE AREA OF THE ENTRANCE SHALL BE CLEARED OF ALL VEGETATION, ROOTS,
- AND OTHER OBJECTIONABLE MATERIAL. 2. GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS.
- 3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED SO AS TO INTERCEPT SEDIMENT BEFORE IT IS CARRIED OFF-SITE INTO THE STORMWATER CONVEYANCE SYSTEM, OR THE STORMWATER MANAGEMENT
- 4. IF WASH RACKS ARE USED, THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 5. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD. THEN THE TIRES SHALL BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS SHALL BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE, INTO THE STORMWATER CONVEYANCE SYSTEM OR THE STORMWATER MANAGEMENT FACILITY.
- SFA SILT FENCE 1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:
- FILTERING EFFICIENCY: (VTM-51)75% (MIN.) TENSILE STRENGTH AT 20% MAX. ELONGATION: (VTM-52) EXTRA STRENGTH 50 LB./LIN. IN. (MIN.)
- STANDARD STRENGTH 30 LB./LIN. IN. (MIN.) (VTM-51)
- 0.3 GAL./SQ. FT./MIN. (MIN.) SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0° F TO 120°F.
- 2. POSTS FOR SILT FENCES SHALL BE EITHER 2 X 2 IN. SQUARE OR 1.33 LB. / LINEAR FT. STEEL WITH A MINIMUM LENGTH OF 4 FT. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
- 3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 2 IN. WIDE AND 6 IN. DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.
- 4. THE FILTER FABRIC SHALL BE STAPLED TO THE WOODEN STAKES, AND 10 IN. OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 28 IN. AND A MAXIMUM HEIGHT OF 30 IN.
- 5. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER TBIII - FLOATING TURBIDITY BARRIER - TYPE III

1. BARRIERS SHALL BE A BRIGHT COLOR (YELLOW OR "INTERNATIONAL" ORANGE).

IS TO BE PROVIDED BETWEEN THE BOTTOM OF THE WEIGHTED SKIRT AND THE BOTTOM AT MEAN LOW WATER. 3. FABRIC SHALL BE 18 OZ. NYLON REINFORCED PVC FABRIC (300 PSI TEST) WITH

2. BARRIER SHALL EXTEND TO THE DEPTH OF THE WATERWAY. A MINIMUM 1-FT. GAP

LACING GROMMETS. SKIRTS ARE TO BE LACED TOGETHER USING 5/8" POLYPRO ROPE (600 LB. BREAKING STRENGTH). 4. SEAMS IN THE FABRIC SHALL BE EITHER VULCANIZED WELDED OR SEWN, AND

SHALL DEVELOP THE FULL STRENGTH OF THE FABRIC.

- 5. FLOTATION DEVICES SHALL BE FLEXIBLE, BUOYANT UNITS CONTAINED IN AN INDIVIDUAL FLOTATION SLEEVE OR COLLAR ATTACHED TO THE CURTAIN. BUOYANCY PROVIDED BY THE FLOTATION UNITS SHALL BE SUFFICIENT TO SUPPORT THE WEIGHT OF THE CURTAIN AND MAINTAIN A FREEBOARD OF AT LEAST 3 INCHES ABOVE THE WATER LEVEL.
- 6. LOAD LINES MUST BE FABRICATED IN THE BOTTOM OF ALL FLOATING TURBIDITY CURTAINS. THE BOTTOM LOAD LINE SHALL CONSIST OF A CHAIN INCORPORATED INTO THE BOTTOM HEM OF THE CURTAIN OF SUFFICIENT WEIGHT TO SERVE AS BALLAST TO HOLD THE CURTAIN IN A VERTICAL POSITION. ADDITIONAL ANCHORAGE SHALL BE PROVIDED AS NECESSARY.
- 7. EXTERNAL ANCHORS MAY CONSIST OF 2 X 4 INCH SQUARE OR 2-1/2 INCH MINIMUM DIAMETER WOODEN STAKES OR 1.33 POUNDS/LINEAR FOOT STEEL POSTS. 8. BOTTOM ANCHORS SHALL BE ATTACHED TO A FLOATING ANCHOR BUOY, WITH AN ANCHOR LINE ATTACHED TO THE TOP LOAD LINE OF THE CURTAIN. PROVIDE SUFFICIENT SLACK TO ALLOW FREE FLOATING OF THE UNIT WITH TIDAL CHANGES. FOLLOW MANUFACTURER'S RECOMMENDATION FOR SPACING.
- 9. BUOYS SHALL BE LIT ACCORDING TO REGULATORY AGENCY REQUIREMENTS WHEN INSTALLED IN NAVIGABLE WATERWAY.
- ALL BMPS SHALL BE INSPECTED WEEKLY AT A MINIMUM AND AFTER EVERY RAINFALL EVENT EXCEEDING 1/2 IN. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY UPON COMPLETION OF THE INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF ANY SEDIMENT FILTER OR BARRIER. SUCH DEPOSITS SHALL BE DISPOSED OF IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- CE CONSTRUCTION ENTRANCE
- 1. THE ENTRANCE(S) SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLÓW OF MUD ONTO PUBLIC RIGHTS OF WAY.

- 2. TOP DRESS THE ENTRANCE PERIODICALLY WITH 2-IN. STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT WHEN VOID SPACES ARE FULL OF
- 3. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO
- ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. 4. SWEEP THE PAVED ROAD DAILY FOR SEDIMENTS AND STONES.
- 5. CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE.
- 1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL EVENT OF 1/2 IN. OR GREATER AND AT LEAST DAILY DURING PROLONGED RAINFALL EVENTS. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 2. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED OR SODDED. INLET PROTECTION SHALL BE INSPECTED AND GEO-TEXTILE FABRIC SHALL BE CHANGED AS NEEDED TO ALLOW POSITIVE FLOW.
- 3. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE BEFORE THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- TBIII FLOATING TURBIDITY BARRIER TYPE III 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE FILTER CURTAIN FOR THE DURATION OF THE PROJECT TO ENSURE THE CONTINUOUS PROTECTION OF THE WATERCOURSE. INSPECT ANCHORS, ANCHOR LINE AND BUOYS WEEKLY FOR DEBRIS ACCUMULATION AND REMOVE IMMEDIATELY.
- 2. SHOULD REPAIRS TO THE CURTAIN FABRIC BECOME NECESSARY, REPAIR ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS USING THE REPAIR KIT AVAILABLE FOR THE PRODUCT USED.
- 3. WHEN THE CURTAIN IS NO LONGER REQUIRED AS DETERMINED BY THE INSPECTOR, THE CURTAIN AND RELATED COMPONENTS SHALL BE REMOVED IN SUCH A MANNER AS TO MINIMIZE TURBIDITY. SEDIMENT SHALL BE REMOVED AND THE ORIGINAL DEPTH RESTORED BEFORE REMOVING THE CURTAIN. REMAINING SEDIMENT SHALL BE SUFFICIENTLY SETTLED BEFORE REMOVING THE CURTAIN. ANY SPOILS MUST BE TAKEN TO AN UPLAND AREA AND STABILIZED.

DESIGN CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

ECHO KIDD GATES, P.E., LEED®AP DATE GENESIS

CONTRACTOR CERTIFICATION

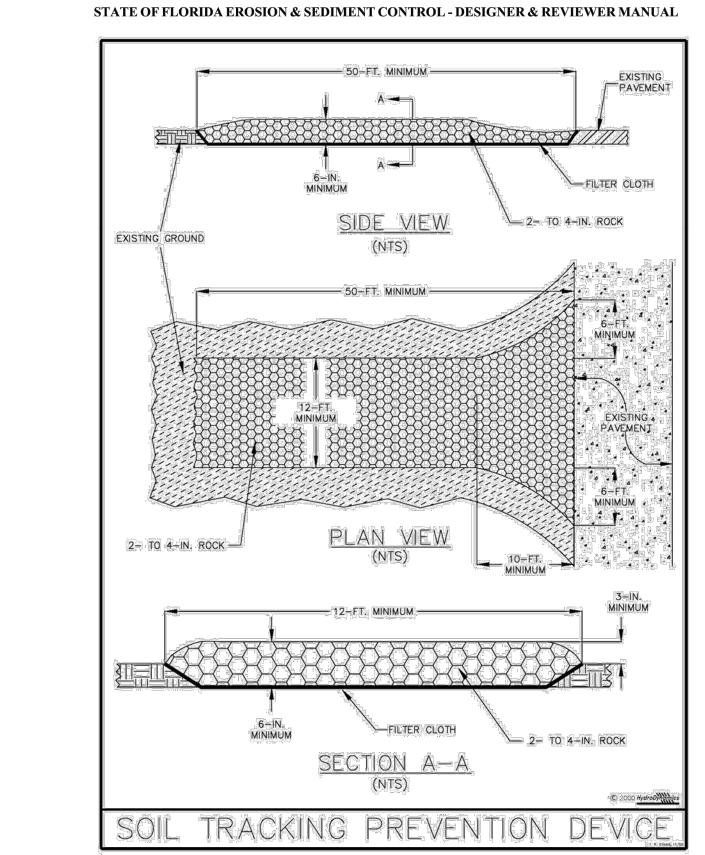
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS SWPPP PREPARED THERE UNDER.

CONTRACTOR DATE

CONTRACTOR SHALL CONTROL EROSION WITHIN THE PROJECT LIMITS SUCH THAT THERE ARE NO NEGATIVE IMPACTS DOWNSTREAM OF THE PROJECT DUE TO UNCONTROLLED

SHOULD ADDITIONAL BMPS BE REQUIRED TO CONTROL EROSION AND SEDIMENTATION FROM THE SITE. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SUPPLEMENTARY STORMWATER POLLUTION PROTECTION PLAN WITH APPROPRIATE BMPS PLACED AS NEEDED.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESCAPE OF SEDIMENT FROM THE SITE AND SHALL BE HELD RESPONSIBLE FOR ANY AND ALL IMPACTS RESULTING FROM SUCH EVENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF DOWNSTREAM IMPACTS DUE TO THE RELEASE OF SEDIMENTS FROM THE SITE INCLUDING BUT NOT LIMITED TO SEDIMENTATION AND EROSION THAT MAY RESULT FROM THE BUILDUP OF SUCH SEDIMENTS DOWNSTREAM OF THE PROJECT. CONTRACTOR SHALL FULLY BEAR THE FINANCIAL COST OF ANY PENALTIES OR FINES RESULTING FROM SUCH EVENTS.

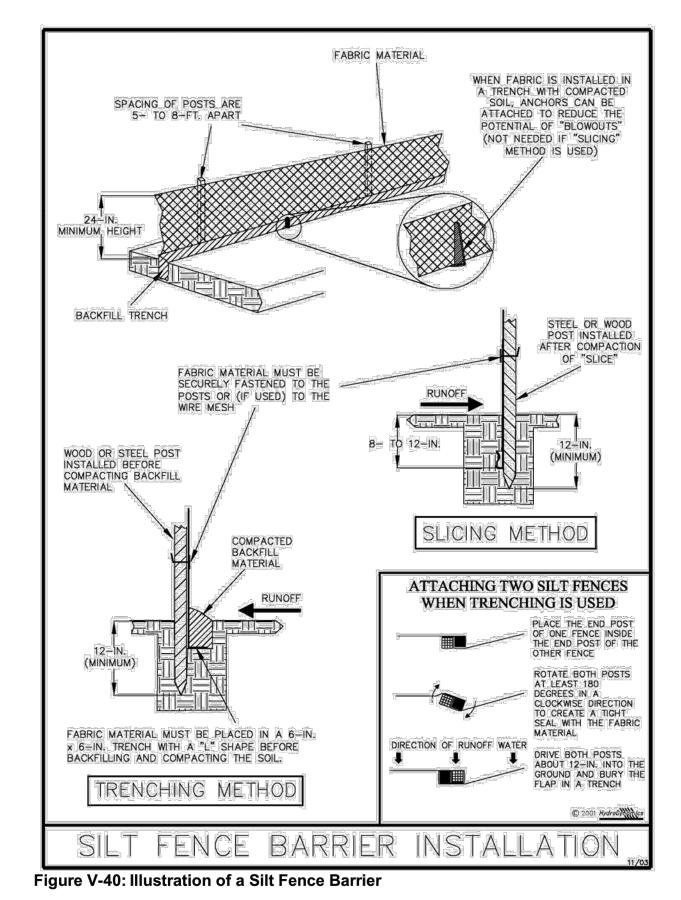




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V-31

STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL



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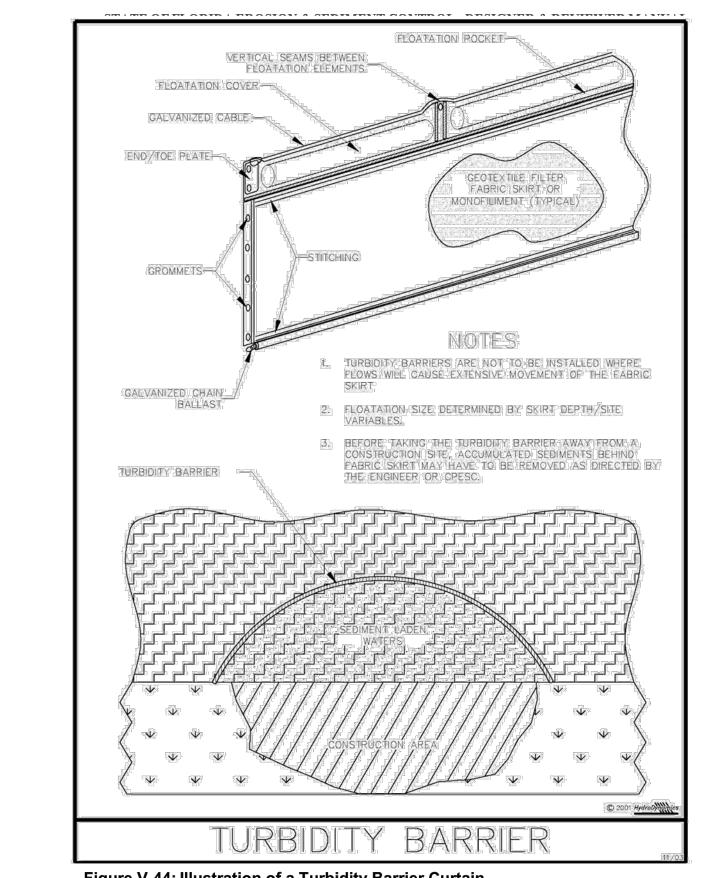
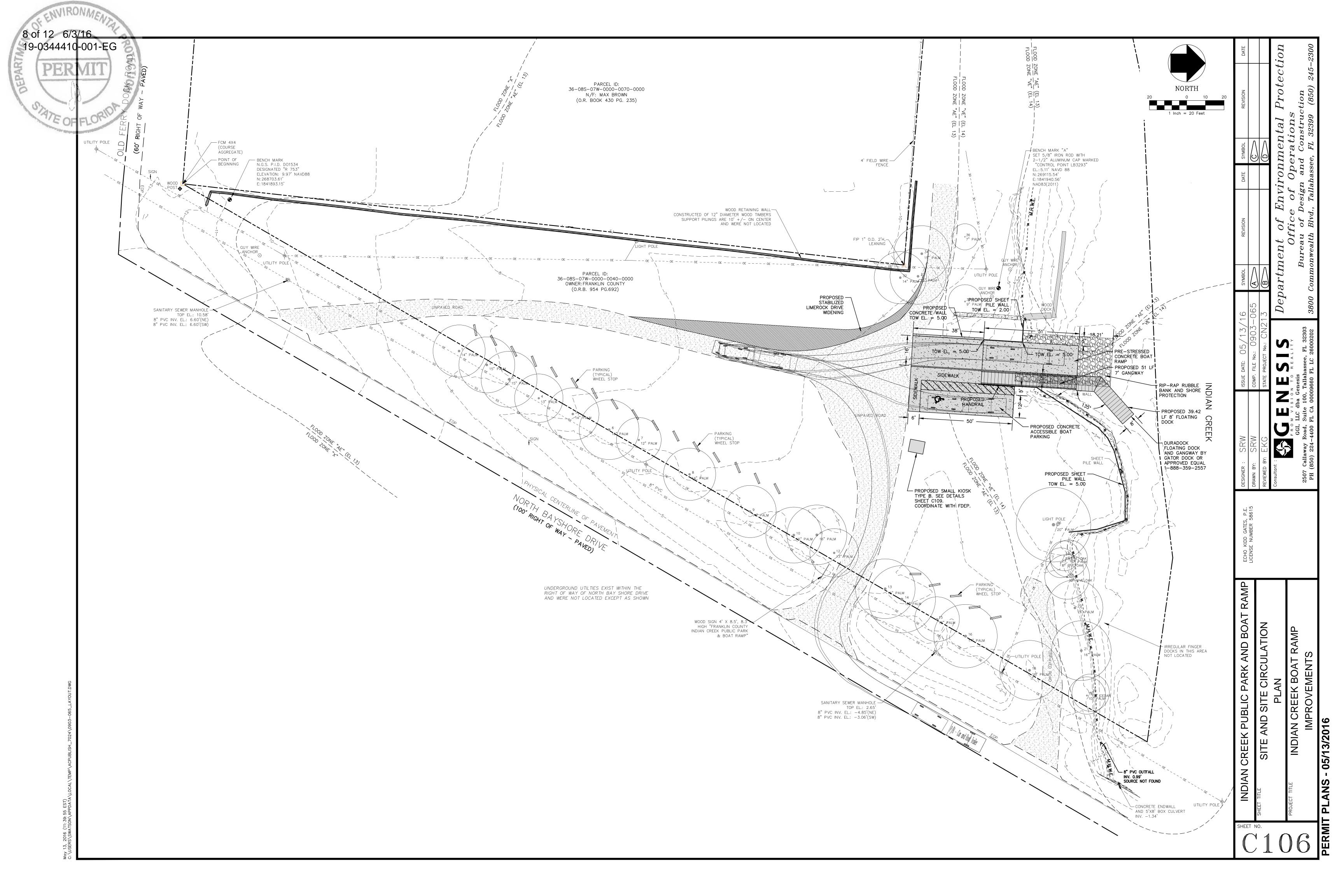
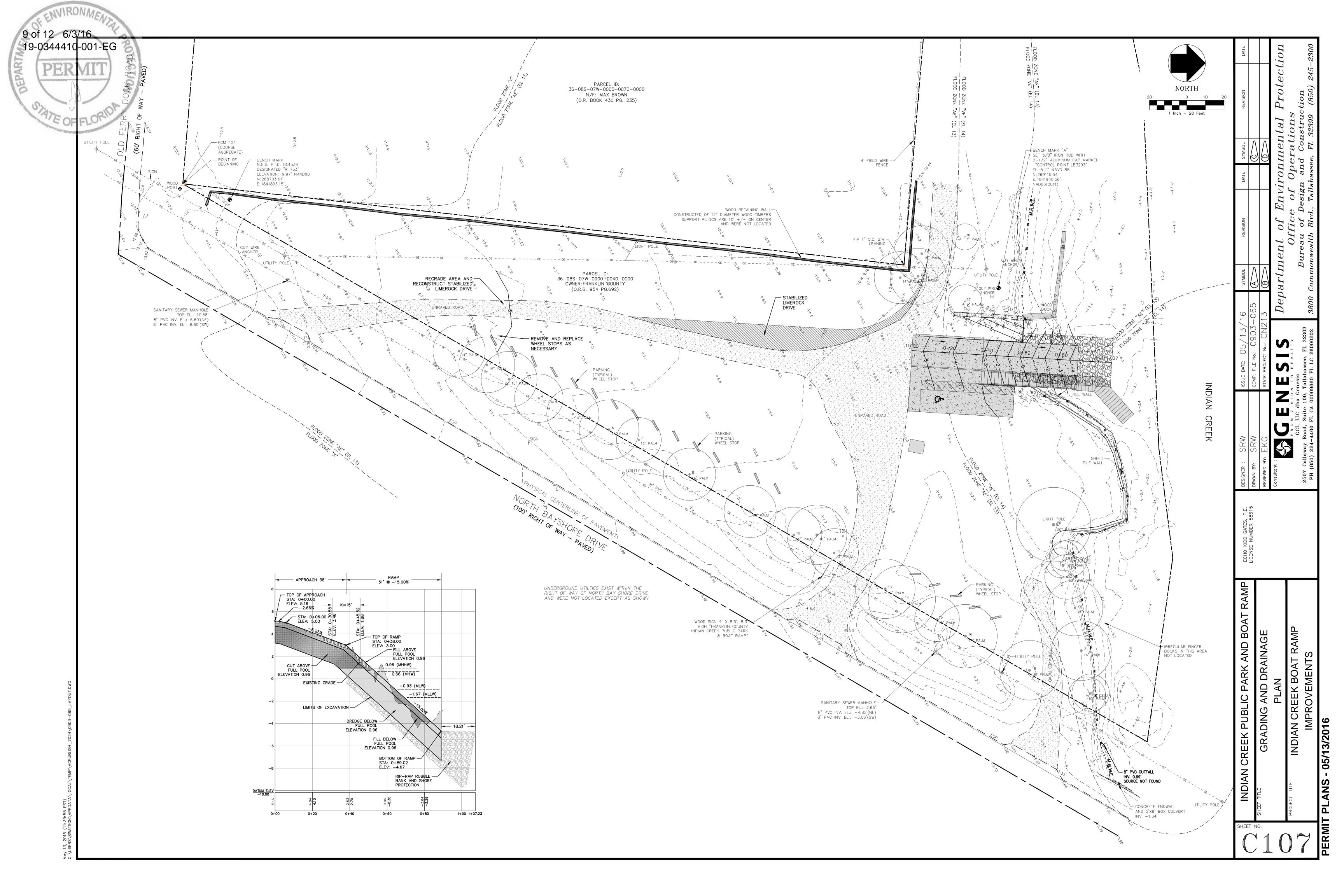


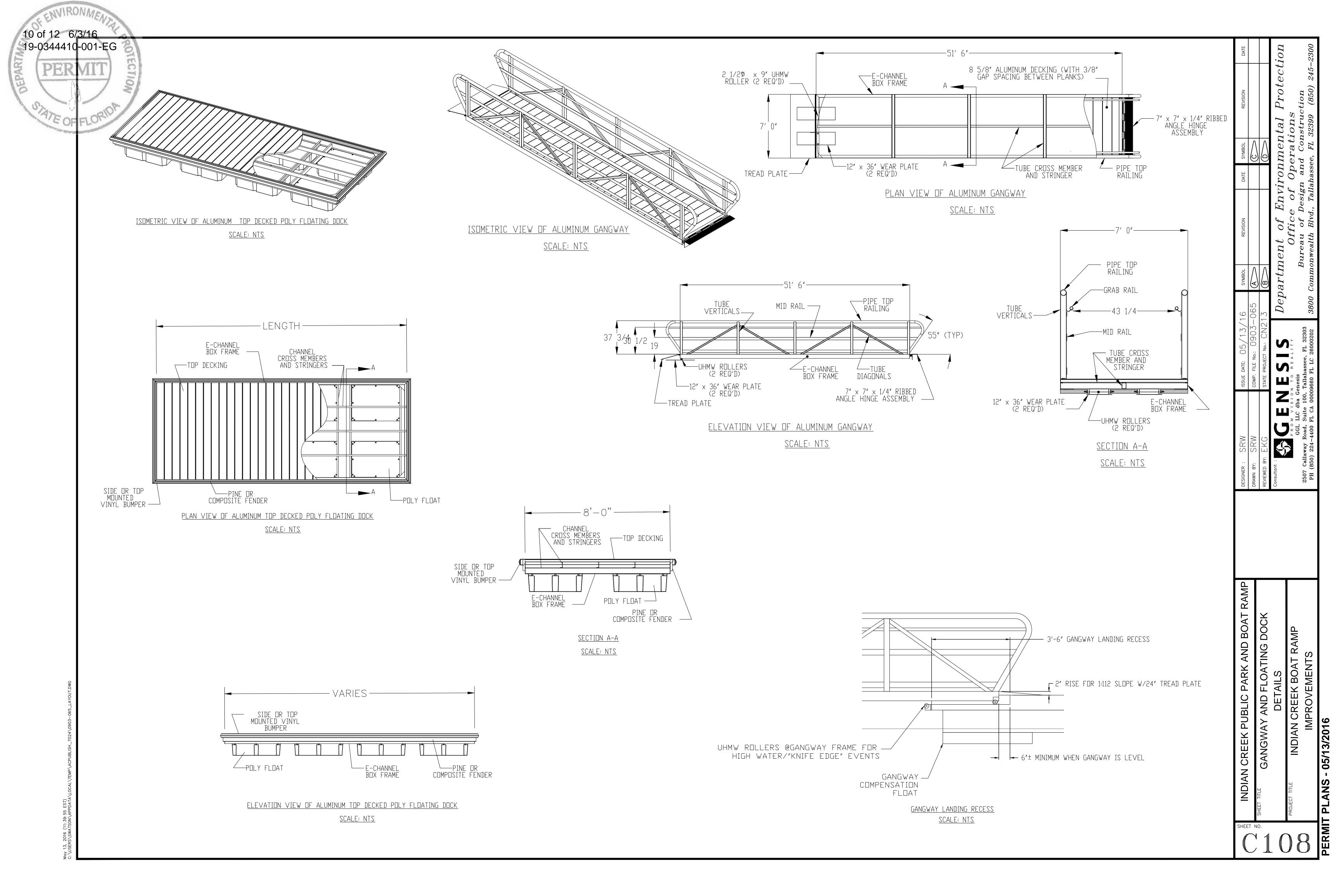
Figure V-44: Illustration of a Turbidity Barrier Curtain Permission is given by HydroDynamics Incorporated to copy and reproduce this detail V-15

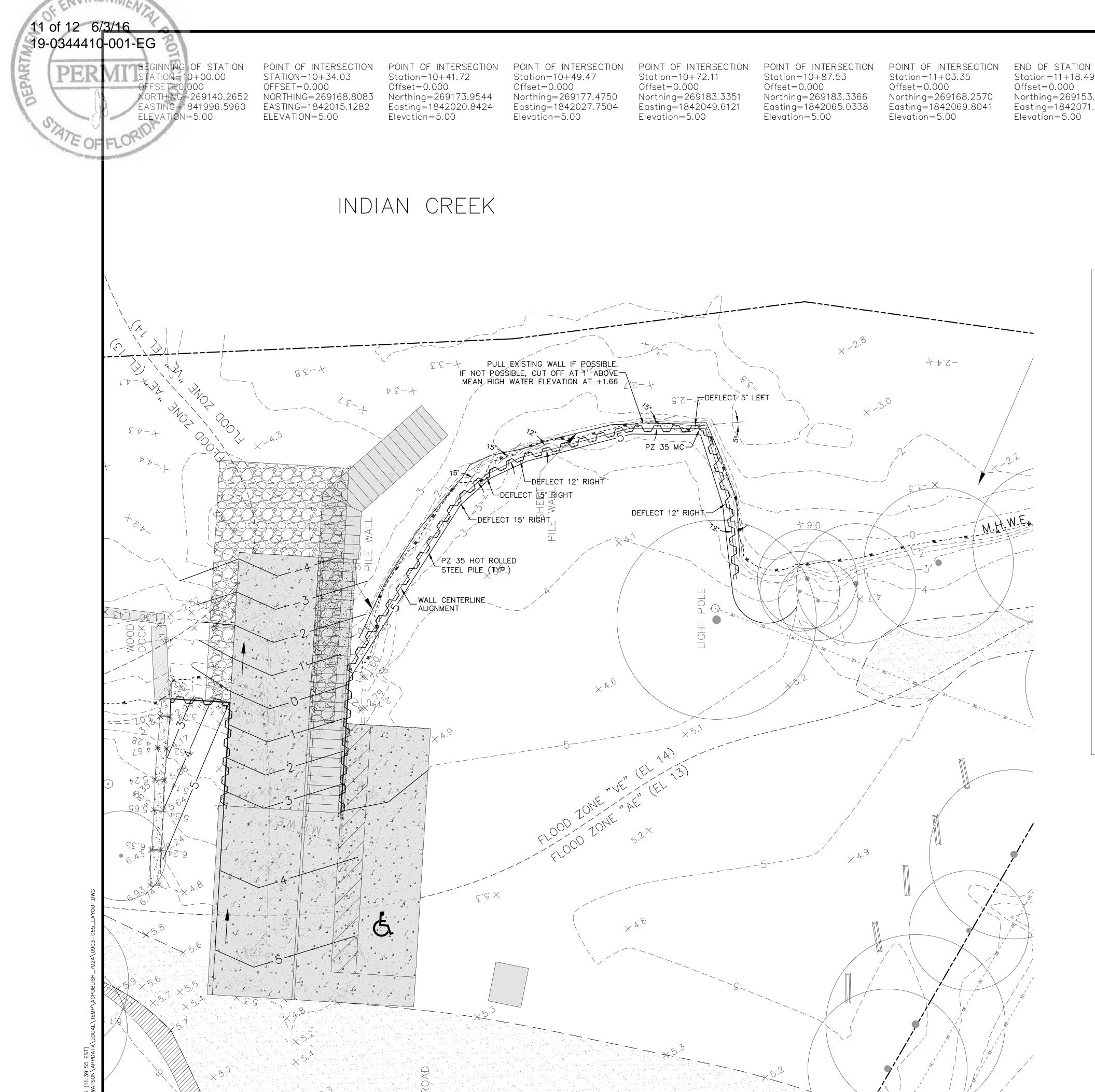
SHEET TITLE STORMWATER POLLUTION PREVENTION
DETAILS
INDIAN CREEK BOAT RAMP
IMPROVEMENTS

PERMIT PLANS - 05/13/2016









Station=11+03.35

Northing=269168.2570 Easting=1842069.8041

Station=11+18.49 Offset=0.000 Northing=269153.1808 Easting=1842071.2703 Elevation=5.00

