



FLORIDA DEPARTMENT OF Environmental Protection

Central District
3319 Maguire Blvd, Suite 232
Orlando, FL 32803-3767

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

April 7, 2023

SJRWMD
C/o: Michael Register
4049 Reid St
Palatka, FL 32177
mregiste@sjrwmd.com

File No. 424043-002, Brevard County

Dear Mr. Michael Register:

On March 22nd, 2023, we received your notice of intent to use a General Permit (GP), pursuant to Rule 62-330.483, Florida Administrative Code (F.A.C.) to conduct maintenance and repairs to the S-157 Structure, within Canal Number 54, a Class III Florida waterbody. The activity will result in temporary surface water impacts of 676 sq. ft. of fill. There will be two construction options that the contractor would select as their preferred option. The phased construction option will occur in two phases. Phase 1 will install cofferdams upstream and downstream of the northern two gates while the southernmost gate will remain closed and fully operable. During Phase 2, the cofferdams will be removed and will be reinstalled upstream and downstream of the southernmost gate while that gate is undergoing repairs and the northern two gates will be closed and fully operable. The bypass option will occur in a single phase with cofferdams constructed across the entire channel upstream and downstream of the structure. Two bypass alternatives are included: pump or siphon with a 24" pipe, sized for 20 cfs. The contractor will select whichever bypass option is preferred based on their means and methods. No alterations to operating or regulation schedules are anticipated associated with this project. The project is located at Buffer Preserve Road, Sebastian, FL 32976, Section 18, Township 30 South, Range 28 East, Brevard 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 did not qualify for the federal authorization, therefore, additional authorization must be obtained prior to commencement of the proposed activity.

This letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity. Please refer to the specific section(s) dealing with that portion of the review below for advice on how to proceed.

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 62-330.483, 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 62-330.483, 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 Not Approved

Your proposed activity as outlined in your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit VI-R1. **SEPARATE permit(s) or authorization will be required** from the U.S. Army Corps of Engineers.

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 hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

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

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; 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 will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. 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), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

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

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

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

Judicial Review

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

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Teayann Duclos
Environmental Manager
Permitting and Waste Cleanup Program

Enclosures:

General Permit to the Department and Water Management Districts to Conduct Minor Activities
Ch. 62-330.483, F.A.C.
General Conditions for All General Permits, Ch. 62-330.405, F.A.C.
Project drawings, 8 Pages

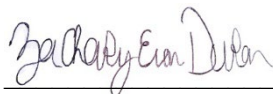
CERTIFICATE OF SERVICE

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

Melanie Wharton, FDEP, melanie.wharton@floridadep.gov
Teayann Duclos, FDEP, Teayann.Duclos@floridadep.gov
Brevard County, LeeAnn.McCullough-Wham@brevardfl.gov
Rebecca Trudeau, Agent, Rtrudeau@Sjrwmd.Com

FILING AND ACKNOWLEDGMENT

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



Clerk

April 7, 2023

Date

62-330.483 General Permit to the Department and Water Management Districts to Conduct Minor Activities

A general permit is granted to the Department and Water Management Districts to conduct the activities described below:

- (1) The repair, replacement or alteration of any existing bridge, levee, dam, pump station, lock, culvert, spillway, weir, or any other water control structure with structures of the same design or of a comparable design, provided that the maximum discharge rate capacity and control elevation do not exceed that of the structure to be replaced. Minor deviations in the structure's design are authorized, including those due to changes in materials, construction techniques, or current construction codes or safety standards. Associated construction activities authorized by this permit include temporary fill plugs or cofferdams; upland bypass channels; channel shaping needed to accommodate the repair, replacement or alteration of the structure; and channel and bank stabilization, including riprap within 200 feet of the structure. Replacement may occur at the same site, or adjacent to the original structure. The area of wetlands or other surface waters from which material is to be dredged or filled shall not exceed a total of 0.5 acre for any one structure.
- (2) Canal bank and bottom stabilization necessary to repair erosion damage and restore previously existing canal configurations. Authorized repair methods include placement of riprap, sand cement toe walls, clean fill material, poured concrete, geotechnical textiles or other similar stabilization materials. The distance to be restored or repaired shall not exceed 2,000 feet at any one location along canal banks and 500 feet along canal bottoms.
- (3) Aerial pipeline crossings (including support piles) of man-made canals consistent with the provisions of Rule 62-330.455, F.A.C., except that the width of the crossing may be up to 200 feet.
- (4) When the activity under this general permit is to be conducted by the Department, the Department shall provide the notice and any processing fee required to the appropriate District.
- (5) When the activity under this general permit is to be conducted by a water management district, the District shall provide the notice and any required fee to the appropriate Department office.

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 373.118(1), 373.406(5), 373.413, 373.4131, 373.414(9), 373.4145, 373.416, 373.418, 403.814(1) FS. History—New 10-3-95, Amended 10-1-07, Formerly 62-341.483, Amended 10-1-13.

62-330.405 General Conditions for All General Permits

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 for stormwater management systems under 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) The 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; and it does not authorize any violation of any other applicable federal, state, local, or special district laws (including, but not limited to, those governing the “take” of listed species).

(3) The 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) The general permit is not transferable to a new third party. To be used by a different permittee, a new notice to use a general permit must be submitted in accordance with rule 62-330.402, F.A.C. Activities constructed in accordance with the terms and conditions of a general permit are automatically authorized to be operated and maintained by the permittee and subsequent owners in accordance with subsection 62-330.340(1), F.A.C. Any person holding the general permit, persons working under the general permit, and owners of land while work is conducted under 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 general permit.

(9) The permittee shall maintain any permitted project or activity in accordance with the plans submitted to the Agency and authorized in the general permit.

(10) A permittee’s right to conduct a specific activity under the 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 Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007)*, available at <https://www.flrules.org/Gateway/reference.asp?No=Ref-04227>, 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 http://publicfiles.dep.state.fl.us/DEAR/Stormwater_Training_Docs/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 four 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 as soon as practicable after equipment has completed passage through, or work has been completed, at any location along the alignment of the project, but in no case longer than seven days after equipment has completed work or passage through that location; 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 the 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; or

(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.

(16) If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities

involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities 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 the proper authorities notified 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.

(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 shut down 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 onsite 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.

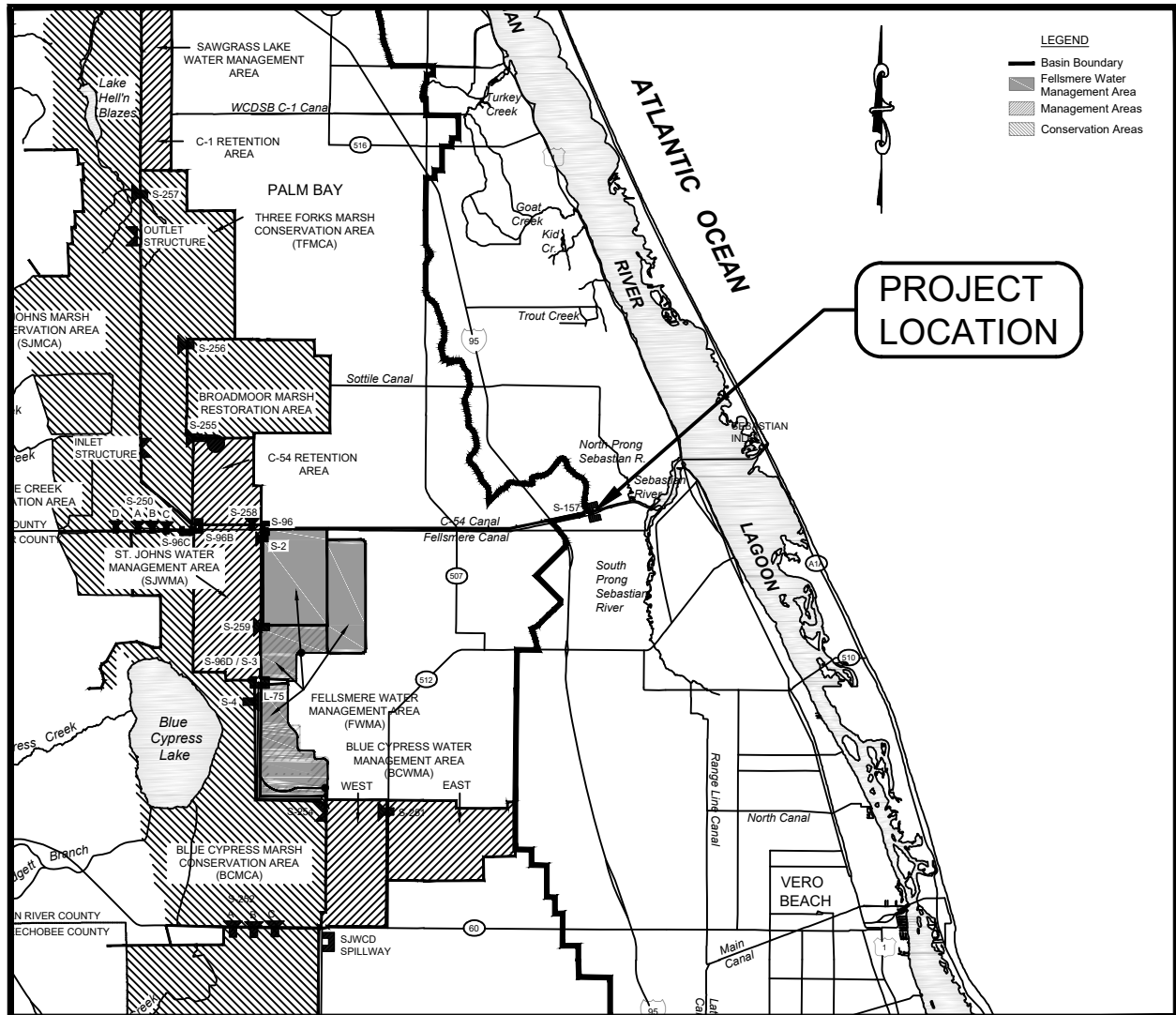
(e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at ImperiledSpecies@myfwc.com with details of the event within 24 hours following detection of the spill or frac-out.

(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, 6-1-18.

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT UPPER ST. JOHNS RIVER BASIN STRUCTURE 157 REHABILITATION BREVARD COUNTY, FLORIDA



VICINITY MAP

NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429, PALATKA, FLORIDA 32178

COVER SHEET

SHEET NUMBER:

1

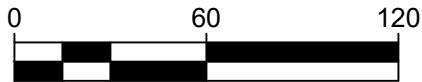
WILLIAM R. COTE
DATE: JUNE 1, 2022

P.E. # 53746

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GRAPHIC SCALE



SCALE: 1" = 60'

BUFFER PRESERVE ROAD

FLOATING TURBIDITY BARRIER TO SHORELINE THEN SILT FENCE TO TOP OF SLOPE

BUFFER PRESERVE ROAD

INSTALL UPSTREAM SHEET PILE COFFERDAM MIN. T/ WEIR EL. 18.0'

S-157 (SEE SHEET NO. 3)

PHASE 1 COFFERDAM

PHASE 1 COFFERDAM

☉ S-157 & C-54

84'

60'

PHASE 2 COFFERDAM

PHASE 2 COFFERDAM

FLOATING TURBIDITY BARRIER TO SHORELINE THEN SILT FENCE TO TOP OF SLOPE

INSTALL DOWNSTREAM SHEET PILE COFFERDAM MIN. T/ WEIR EL. 7.0'

NGVD 1929

ALL ELEVATIONS DEPICTED HEREIN REFERENCE NGVD 1929 UNLESS OTHERWISE NOTED. THE CONVERSION FACTOR TO NAVD 1988 IS -1.47.

LEGEND:

- DIRECTION OF SLOPE
- EXISTING RIPRAP
- EXISTING GROUTED RIPRAP
- FLOATING TURBIDITY BARRIER
- LIMITS OF RIPRAP AND BEDDING OR BANK PROTECTION STONE
- 1 on 10 RATIO OF SLOPE
- SILT FENCE
- SURFACE WATER IMPACTS (676 SQ. FT.)
- 27.55 BENCH MARK

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429, PALATKA, FLORIDA 32178

SITE PLAN WITH AERIAL

SHEET NUMBER:

2

WILLIAM R. COTE P.E. # 53746
DATE: JUNE 1, 2022

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GRAPHIC SCALE



SCALE: 1" = 60'

BUFFER PRESERVE ROAD

REPLACE EXISTING PILES AND DOWNSTREAM SAFETY BARRIER

BUFFER PRESERVE ROAD

INSTALL UPSTREAM SHEET PILE COFFERDAM MIN. T/ WEIR EL. 18.0'

REPLACE EXISTING PILES AND UPSTREAM SAFETY BARRIER.

FLOATING TURBIDITY BARRIER TO SHORELINE THEN SILT FENCE TO TOP OF SLOPE

IF REQUIRED, PROVIDE ADDITIONAL RIPRAP AS DIRECTED BY THE DISTRICT

PAINT UPSTREAM WINGWALLS (TYP.)

PAINT DOWNSTREAM WINGWALLS (TYP.)

NEW DOWNSTREAM WARNING SIGN.

℄ S-157 & C-54

NEW UPSTREAM WARNING SIGN

INSTALL DOWNSTREAM SHEET PILE COFFERDAM MIN. T/ WEIR EL. 7.0'

INSTALL PILE, STAFF GAGE AND STILLING WELL INTAKE SHALL BE PERPENDICULAR TO FLOW.

REPLACE PILE AND STAFF GAGE. REPLACE ANY DAMAGED LINE WITH 3" DIA. PVC AND ATTACH 3" LINE TO PILE.

FLOATING TURBIDITY BARRIER TO SHORELINE THEN SILT FENCE TO TOP OF SLOPE

NGVD 1929

ALL ELEVATIONS DEPICTED HEREIN REFERENCE NGVD 1929 UNLESS OTHERWISE NOTED. THE CONVERSION FACTOR TO NAVD 1988 IS -1.47.

LEGEND:

- DIRECTION OF SLOPE
- EXISTING RIPRAP
- EXISTING GROUDED RIPRAP
- FLOATING TURBIDITY BARRIER
- LIMITS OF RIPRAP AND BEDDING OR BANK PROTECTION STONE
- 1 on 10 RATIO OF SLOPE
- SILT FENCE
- SURFACE WATER IMPACTS (676 SQ. FT.)
- 27.55 BENCH MARK

BREAK GROUDED RIPRAP AND REGRADE AS REQ'D. PROVIDE ADDITIONAL RIPRAP AS DIRECTED BY THE DISTRICT (TYP.)

REMOVE SEDIMENT AND DEBRIS FROM THE WORK AREA AND DISPOSE OFFSITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429, PALATKA, FLORIDA 32178

SITE PLAN

SHEET NUMBER:

3

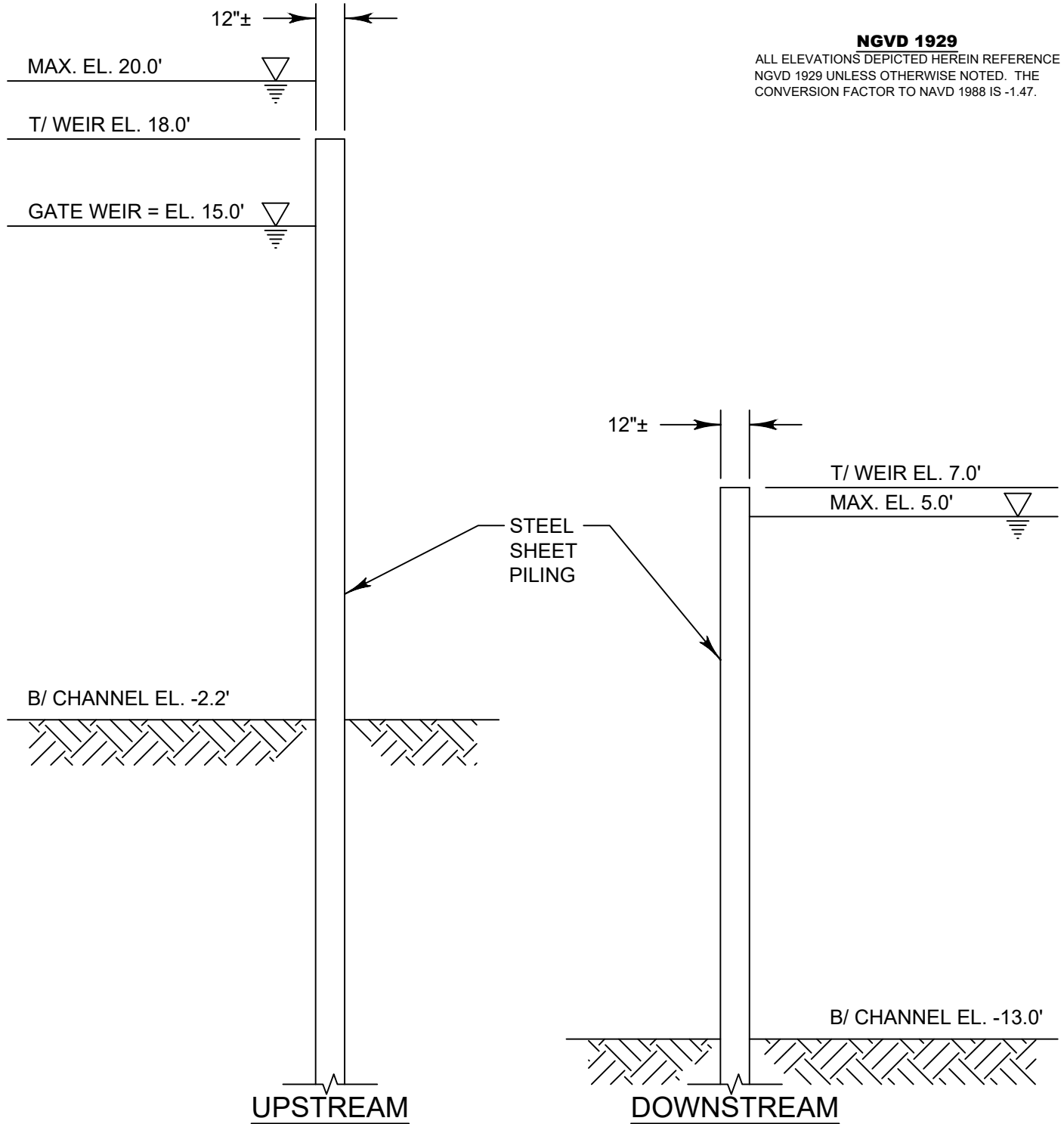
WILLIAM R. COTE
DATE: JUNE 1, 2022

P.E. # 53746

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NGVD 1929

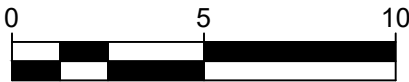
ALL ELEVATIONS DEPICTED HEREIN REFERENCE NGVD 1929 UNLESS OTHERWISE NOTED. THE CONVERSION FACTOR TO NAVD 1988 IS -1.47.



4
1

SECTION COFFERDAM

GRAPHIC SCALE



SCALE: 1" = 5'

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429, PALATKA, FLORIDA 32178

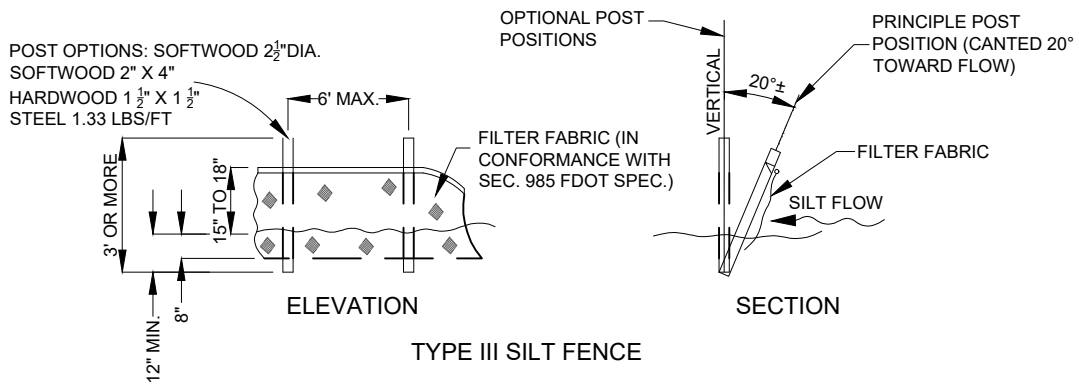
SECTION COFFERDAM

SHEET NUMBER:

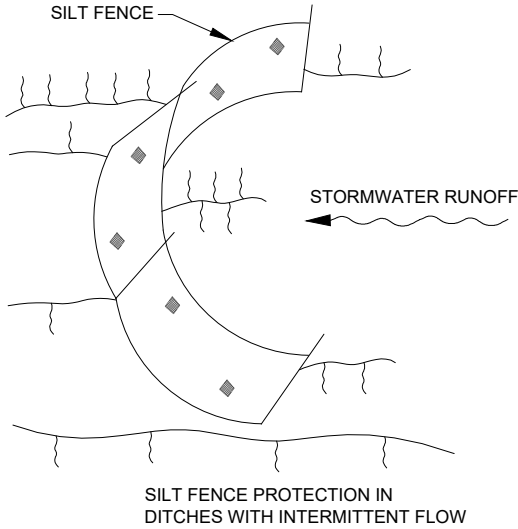
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WILLIAM R. COTE
DATE: JUNE 1, 2022

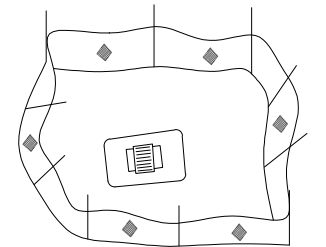
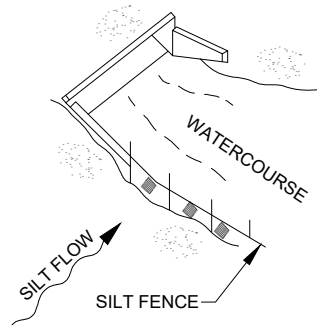
P.E. # 53746



TYPE III SILT FENCE



SILT FENCE PROTECTION IN DITCHES WITH INTERMITTENT FLOW



SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

SILT FENCE APPLICATIONS

NOTES FOR SILT FENCES

1. TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH SECTION V OF THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (JULY 2013).
2. TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.
3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
4. WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.
5. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, (LF).

TEMPORARY SILT FENCE DETAIL

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429, PALATKA, FLORIDA 32178

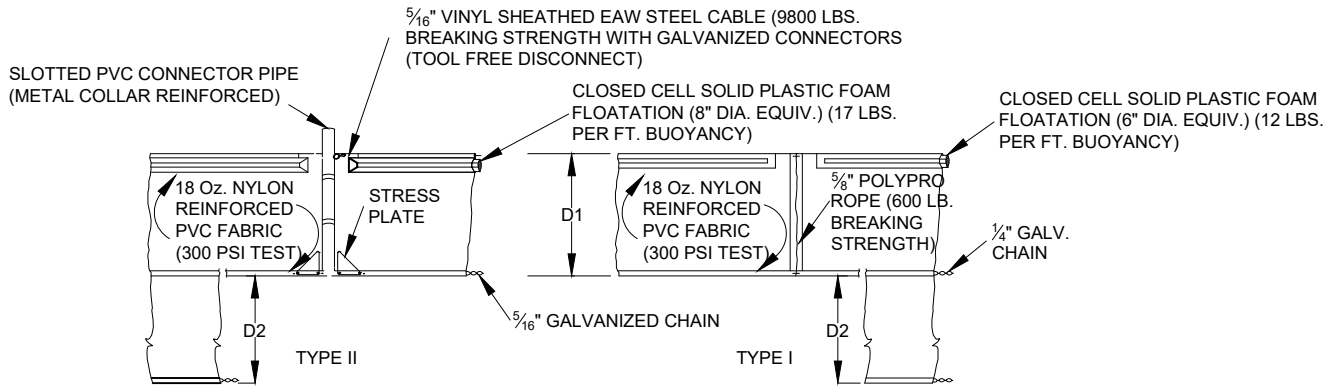
EROSION & SEDIMENT CONTROL

SHEET NUMBER:

5

WILLIAM R. COTE
DATE: JUNE 1, 2022

P.E. # 53746



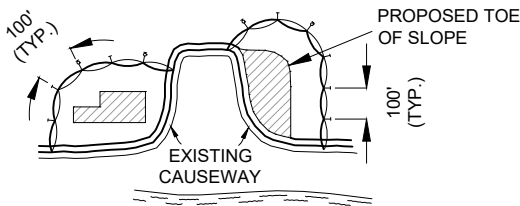
D1= 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).

D2= 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.

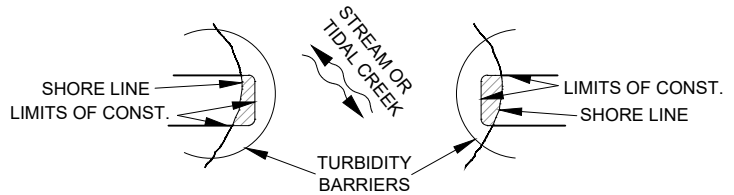
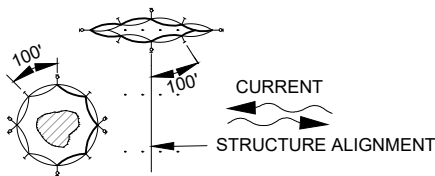
NOTICE: COMPONENTS OF TYPE I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGN. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS



GENERAL NOTES:

1. FLOATING TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR FLOATING TURBIDITY BARRIER, LF.
2. STAKED TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED TURBIDITY BARRIER, LF.



NOTES:

1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
3. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
4. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
5. TURBIDITY BARRIERS SHALL CONFORM TO SECTION 104 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

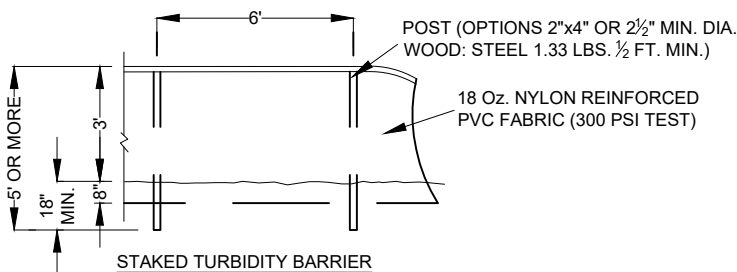
LEGEND

- PILE LOCATIONS
- ▨ DREDGE OR FILL AREA
- MOORING BUOY W/ANCHOR
- |— ANCHOR
- ◌ BARRIER MOVEMENT DUE TO CURRENT ACTION

NOTES:

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 OPTIONS UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE DISTRICT.

TURBIDITY BARRIER APPLICATIONS



U:\Projects\CADD\IUS\RB\S-157\05 Production Drawings\S-157 PERMIT.dwg

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

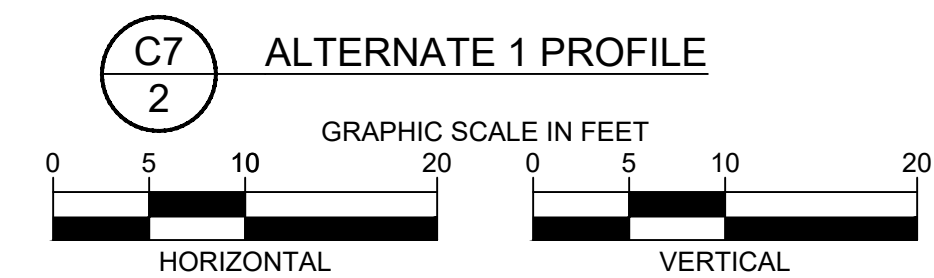
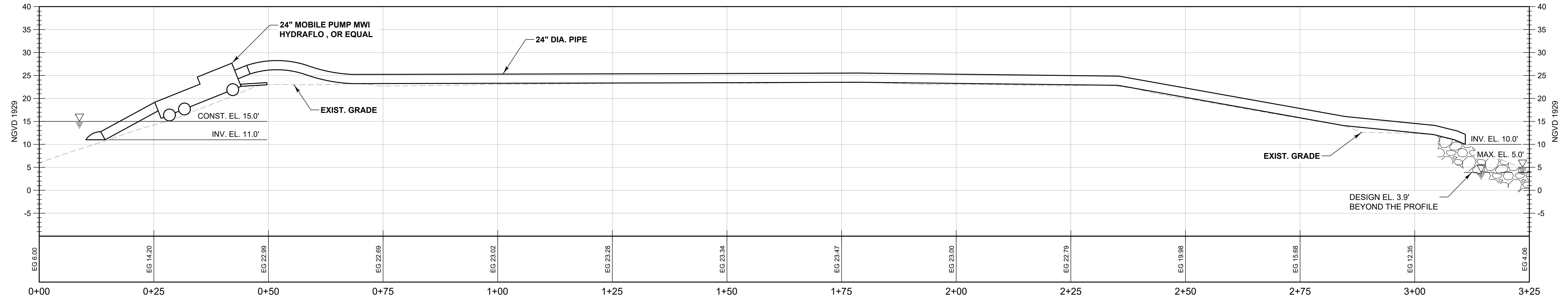
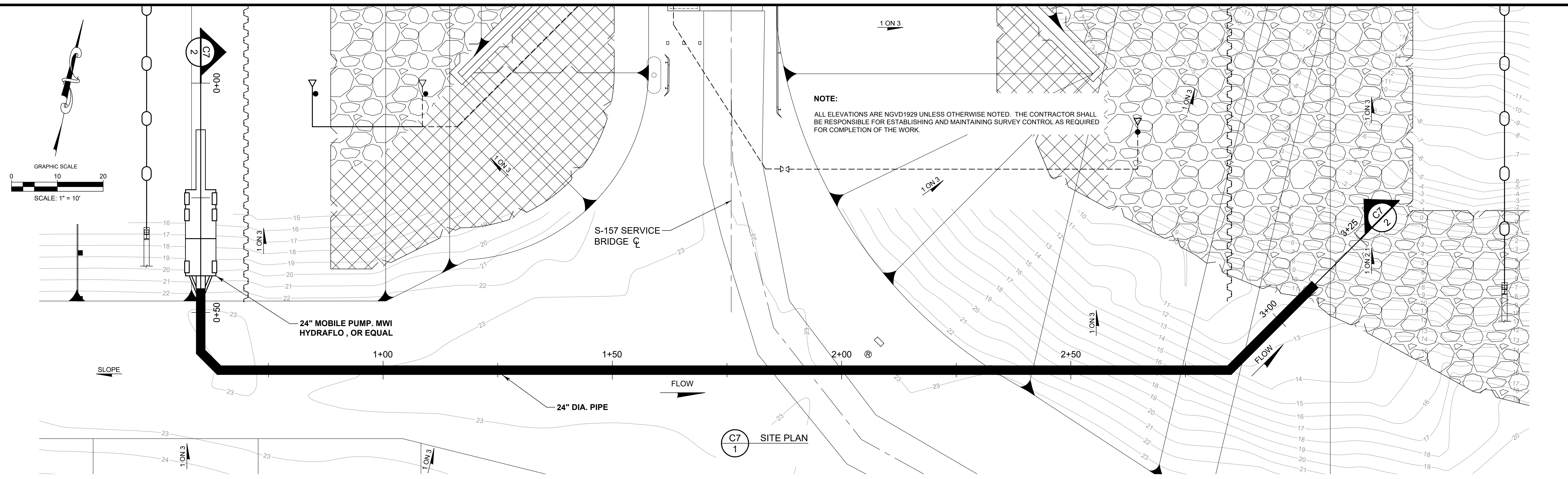
**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429, PALATKA, FLORIDA 32178

EROSION & SEDIMENT CONTROL

SHEET NUMBER:

6

WILLIAM R. COTE P.E. # 53746
DATE: JUNE 1, 2022



- LEGEND**
- FLOATING TURBIDITY BARRIER
 - SILT FENCE
 - SHEET PILE
 - DIRECTION OF SLOPE
 - EXISTING RIPRAP
 - SECTION SHEET NUMBER
 - SECTION LABEL
 - EXISTING RIPRAP WITH CONCRETE FILL
 - NEW RIPRAP
 - 1 on 10 RATIO OF SLOPE
 - FENCING

**CONCEPTUAL
NOT FOR CONSTRUCTION**

NO.	REVISION	BY	DATE	APPROVED	DATE

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

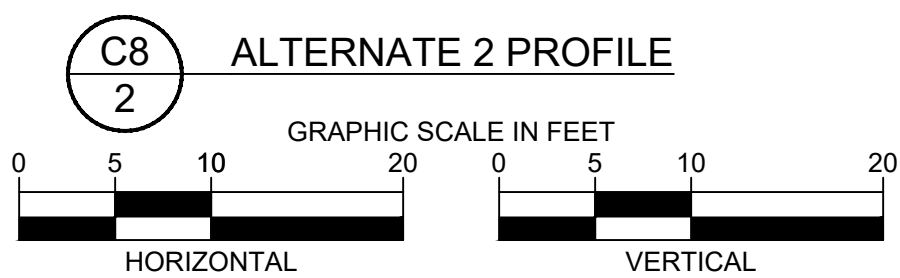
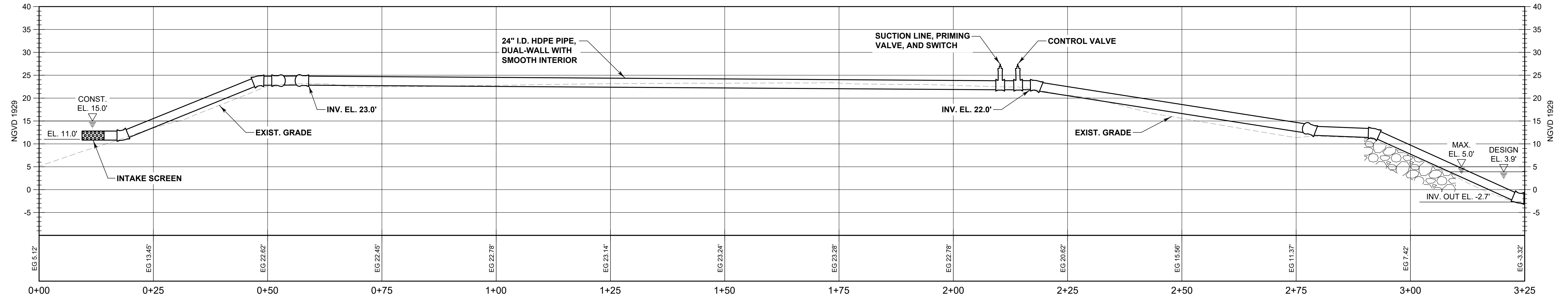
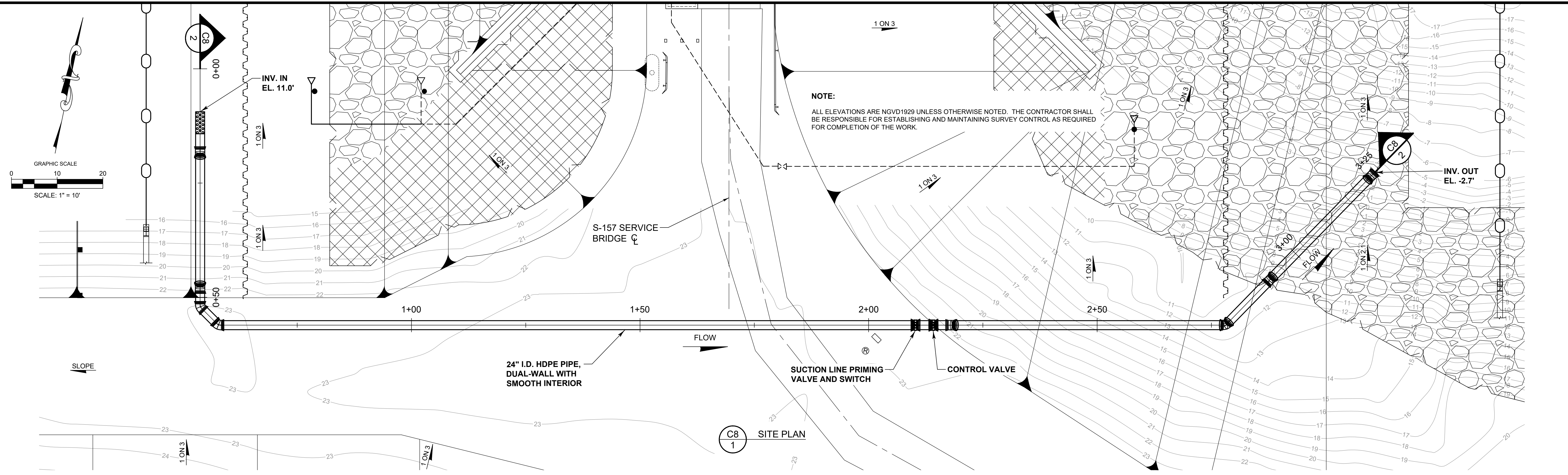
ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: OCTOBER 4, 2022 REVIEWER: W.R.C.
SCALE: 1" = 10' DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

ALTERNATE 1 - BYPASS FLOW
24-INCH MOBILE PUMP

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: OCTOBER 4, 2022

FILE NAME:
S-157 ALTERNATE 1.dwg
PROJECT NO.:
SHEET:
C7



- LEGEND**
- FLOATING TURBIDITY BARRIER
 - SILT FENCE
 - SHEET PILE
 - DIRECTION OF SLOPE
 - EXISTING RIPRAP
 - SECTION SHEET NUMBER SECTION LABEL
 - EXISTING RIPRAP WITH CONCRETE FILL
 - NEW RIPRAP
 - 1 on 10 RATIO OF SLOPE
 - FENCING

CONCEPTUAL NOT FOR CONSTRUCTION

NO.	REVISION	BY	DATE	APPROVED	DATE

UPPER ST. JOHNS RIVER BASIN
STRUCTURE 157 REHABILITATION
BREVARD COUNTY, FLORIDA

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: OCTOBER 4, 2022 REVIEWER: W.R.C.
SCALE: 1" = 10' DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

ALTERNATE 2 - BYPASS FLOW
24-INCH PIPE SIPHON

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: OCTOBER 4, 2022

FILE NAME: S-157 ALTERNATE 2.dwg
PROJECT NO.:
SHEET: C8