



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207

April 7, 2026

Regulatory Division
North Permits Branch
Cocoa Section
SAJ-2025-02965 (LOP-PJR)

City of Edgewater
Attn: Mr. Joseph Mahoney
104 N Riverside Drive
Edgewater, FL 32132
Sent via email: citymanager@cityofedgewater.org

Dear Mr. Mahoney:

This is in reference to your request for a Department of the Army (DA) permit to perform work in or affecting waters of the United States. If you determine the permit provided is acceptable in its entirety and you have chosen to proceed with the authorized activity, then upon recommendation of the Chief of Engineers, pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403) you are authorized under a Letter of Permission for the maintenance dredge of 0.51 acres (9,754 cubic yards) of material via hydraulic dredge barge to a depth of no more than -7.0 feet Mean-Low Water (MLW) with upland disposal.

The project is located within canals connected to Indian River North (Mosquito Lagoon Watershed HUC12 030802020400), in Section 2, Township 18 South, Range 34 East, in Edgewater within Volusia County, Florida.

Geographic Position: Latitude: 28.97301°
Longitude: -80.89230°

The project must be completed in accordance with the 15 enclosed construction drawings, and the general and special conditions which are incorporated in, and made a part of, the permit.

Should any other agency require and/or approve changes to the work authorized or obligated by this permit, it is the responsibility of the Permittee to submit a modification request to the Cocoa Permits Section. The Corps will evaluate the request and determine whether it is appropriate to modify the terms and conditions of the permit. The Permittee must obtain written approval of the requested modifications from the Corps prior to initiation of those changes.

General Conditions:

1. The time limit for completing the work authorized ends on **7 April 2031**. If the work authorized is not completed on or before that date, authorization, if not previously revoked or specifically extended, shall cease and be null and void. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization (Attachment 4).
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation, and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:

- a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).
- b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, SAJ-2025-02965 (LOP-PJR), on all submittals.

2. Posting of Permit: The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.

3. As-Built Certification: Within 60 days of completion of the work authorized by this permit, the Permittee shall submit as-built drawings of the authorized work and a completed "As-Built Certification by Professional Engineer or Surveyor" form (Attachment 1) to the Corps. The as-built drawings shall be signed and sealed by a registered professional engineer or surveyor and include the following:

- a). A plan view drawing of the location of the authorized work footprint, as shown on the permit drawings, with an overlay of the work as constructed. The plan view drawing should show all existing water management structures and the completed structures, dredge/fill activities, and wetland impacts.
- b). A list of any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the attached "As-Built Certification by Professional Engineer" form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or "As-Built Certification by Professional Engineer" form does not constitute approval of any deviations by the Corps.
- c). The Department of the Army permit number on all sheets submitted.

4. Notice of Permit: The Permittee shall complete and record the "Notice of Department of the Army Authorization" form (Attachment 2) with the Clerk of the County Court, Registrar of Deeds or other appropriate official charged with the responsibility of maintaining records of title to or interest in real property within the county of the authorized activity. No later than 90 days from the effective date of this permit, the Permittee shall provide a copy of the recorded Notice of Permit to the Corps clearly showing a stamp from the appropriate official indicating the book and

page at which the Notice of Permit is recorded in the official records and the date of recording.

5. Cultural Resources/Historic Properties:

- a. No structure or work shall adversely affect, impact, or disturb properties listed in the *National Register of Historic Places* (NRHP), or those eligible for inclusion in the NRHP.
- b. If, during permitted activities, items that may have historic or archaeological origin are observed the Permittee shall immediately cease all activities adjacent to the discovery that may result in the destruction of these resources and shall prevent his/her employees from further removing, or otherwise damaging, such resources. The applicant shall notify both the Florida Department of State, Division of Historical Resources, Compliance Review Section at (850)-245-6333 and the Corps, of the observations within the same business day (8 hours). Examples of submerged historical, archaeological, or cultural resources include shipwrecks, shipwreck debris fields (such as steam engine parts, or wood planks and beams), anchors, ballast rock, concreted iron objects, concentrations of coal, prehistoric watercraft (such as log "dugouts"), and other evidence of human activity. The materials may be deeply buried in sediment, resting in shallow sediments or above them, or protruding into water. The Corps shall coordinate with the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions. Project activities shall not resume without verbal and/or written authorization from the Corps.
- c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition and, if deemed necessary by the SHPO or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.
- d. In the unlikely event that unmarked human remains are identified on non-federal lands; they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee

shall immediately notify the medical examiner, Corps, and State Archaeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the SHPO and from the Corps.

6. Manatee Conditions: The Permittee shall comply with the “Standard Manatee Conditions for In-Water Work – 2011” (Attachment 3). The most recent version of the Manatee Conditions must be utilized. The conditions are provided as an attachment to this permit.

7. Jacksonville District Programmatic Biological Opinion (JAXBO): Structures and activities authorized under this permit will be constructed and operated in accordance with all applicable PDCs contained in the JAXBO, based on the permitted activity. Johnson’s seagrass and its critical habitat were delisted from the Endangered Species Act on May 16, 2022. Therefore, JAXBO PDCs required to minimize adverse effects to Johnson’s seagrass and its critical habitat are no longer applicable to any project. Failure to comply with applicable PDCs will constitute noncompliance with this permit. In addition, failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take. The NMFS is the appropriate authority to determine compliance with the Endangered Species Act. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division website in the Endangered Species section of the Sourcebook located at:
<http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>

JAXBO may be subject to revision at any time. The most recent version of the JAXBO must be utilized during the design and construction of the permitted work.

8. Turbidity Barriers: Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained daily until the authorized work has been completed and turbidity within the construction area has returned to ambient levels. Turbidity barriers shall be removed upon stabilization of the work area.

9. Dredged Material Disposal: The Permittee shall place all dredged material in a self-contained, upland disposal site as detailed in Attachment 8, Drawing 14 of 15. The

Permittee shall maintain the upland disposal site to prevent the discharge of dredged material and associated effluent into waters of the United States.

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

11. Regulatory Agency Changes: Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a modification to this permit instrument is required prior to initiation of those changes (Attachment 4). It is the Permittee's responsibility to request a modification of this permit from the Cocoa Regulatory Office.

Instructions for Objecting to Permit Terms and Conditions: This letter is an initial proffered permit for your proposed project/permit application. If you object to certain terms and conditions contained within the permit, you may request that the permit be modified. Enclosed you will find a Notification of Administrative Appeal Options and Process fact sheet and Request for Appeal (RFA) form (Attachment 5). If you choose to object to certain terms and conditions of the permit, you must follow the directions provided in Section 1, Part A of the RFA form and submit the completed form to the Cocoa Permits Section at the address listed at the bottom of this letter. For an RFA to be accepted by the Corps, the Corps must determine that it is complete and that it has been received within 60 days of the date of the RFA. Should you decide to submit an RFA form, it must be received by the Cocoa Permits Section by **7 June 2026**.

Floodplain Information: This Department of the Army permit does not give absolute authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions. You should contact the local office in your area that issues building permits to determine if your site is located in a flood-prone or floodway area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program. If your local office cannot provide you the necessary information, you may request a flood hazard evaluation of the site by providing this office with a letter and a small-scale map showing the location of the site. The request should be addressed to the **Chief, Flood Control and Floodplain Management Branch, Jacksonville District, U.S. Army Corps of Engineers, P.O.**

Box 4970, Jacksonville, Florida 32232-0019. Phone inquiries may be made at 904-232-2515.

Should you have any questions regarding this letter, please contact the project manager, Paul J. Ruben, in writing at the Cocoa Permits Section at 404 High Point Drive, Suite 600 Cocoa, FL 32926 by telephone at (321)-504-3771 ext. 0026, or by email at paul.j.ruben@usace.army.mil.

The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit <https://regulatory.ops.usace.army.mil/customer-service-survey/> and complete our automated Customer Service Survey. Your input is appreciated – favorable or otherwise.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

for: Brandon L. Bowman
Colonel, U.S. Army
District Commander

Enclosures

Attachment 1: As-Built Certification (Sheets 1-2)
Attachment 2: Notice of Department of Army Permit (Sheets 3-4)
Attachment 3: Standard Manatee Conditions for In-Water Work (Sheets 5-6)
Attachment 4: Request Permit Transfer (Sheet 7)
Attachment 5: Notification of Administrative Appeal (Sheets 8-9)
Attachment 6: Regulations for Approaching Right Whales (Sheet 10)
Attachment 7: SJRWMD Permit (WQC) (Sheets 11-24)
Attachment 8: Project Designs (Sheets 25-34)

Cc: Daniel Young (YBE Consulting, Inc.)

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019. For electronic mail saj-rd-enforcement@usace.army.mil (not to exceed 15 MB). If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-3697.

1. Department of the Army Permit Number: SAJ-2025-02965 (LOP-PJR)

2. Permittee Information:

Name: _____

Address: _____

3. Project Site Identification (physical location/address):

4. As-Built Certification: I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled, and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (*Please type*)

(FL, PR, or VI) Reg. Number

Company Name

City

State

ZIP

(Affix Seal)

Date

Telephone Number

Prepared by:

Permittee: City of Edgewater

Address: 104 N Riverside Drive Edgewater, FL 32132

Phone: 386-424-2400 ext. 1201

NOTICE OF DEPARTMENT OF THE ARMY PERMIT

TAKE NOTICE the United States Army Corps of Engineers (Corps) has issued a permit or verification SAJ-2025-02965 to the City of Edgewater (Permittee) on April 7, 2026, authorizing work in navigable waters of the United States in accordance with Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) on a parcel of land known as Folio/ Parcel ID: _____ located at 1851-1899 S Riverside Drive, in Section 2, Township 18 South, Range 34 East, Edgewater, Volusia County, Florida.

Within 30 days of any transfer of interest or control of said property, the Permittee must notify the Corps in writing of the property transfer by submitting the completed permit transfer page included with the issued permit or verification. Notification of the transfer does not by itself constitute a permit transfer. Therefore, purchasers of that portion of the premises containing the area authorized to be filled (or any portion thereof) are notified that it is unlawful for any person to construct, alter, operate, maintain, remove or abandon any works, including dredging or filling, or any other work within, over, or under waters of the United States (including wetlands) without first having obtained a permit from the Corps in the purchaser's name.

Conditions of the Permit/Verification: The permit or verification is subject to General Conditions and Special Conditions which may affect the use of the work authorized in Indian River North. Accordingly, interested parties should closely examine the entire permit or verification, all associated applications, and any subsequent modifications.

To obtain a copy of the authorization in its entirety submit a written request to:

U.S. Army Corps of Engineers
Regulatory Division - Special Projects & Enforcement Branch
Post Office Box 4970
Jacksonville, Florida 32232-0019

Questions regarding compliance with these conditions should be directed to:

U.S. Army Corps of Engineers
Enforcement Section
Post Office Box 4970
Jacksonville, Florida 32232-0019

Conflict Between Notice and Permit

This Notice of Authorization is not a complete summary of the issued permit or verification. Provisions in this Notice of Permit shall not be used in interpreting the permit or verification provisions. In the event of conflict between this Notice of Permit and the permit or verification, the permit or verification shall control.

This Notice is Not an Encumbrance

This Notice is for informational purposes only. It is not intended to be a lien, encumbrance, or cloud on the title of the premises.

Release

This Notice may not be released or removed from the public records without the prior written consent of the Corps.

This Notice of Authorization is executed on this _____ day of _____, _____. This document is being submitted for recordation in the Public Records of Volusia County, Florida as part of the requirement imposed by the authorization SAJ-2025-02965 issued by Corps.

Permittee:

Address:

Phone: _____

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____, who is personally known to me or has produced _____ as identification.

Notary Public

(seal)

Print

My Commission Expires _____

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

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

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or in Vero Beach (1-772-562-3909) for south Florida, and emailed to FWC at ImperiledSpecies@myFWC.com.
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at http://www.myfwc.com/WILDLIFEHABITATS/manatee_sign_vendors.htm. Questions concerning these signs can be forwarded to the email address listed above.

CAUTION: MANATEE HABITAT

All project vessels

IDLE SPEED / NO WAKE

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

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

REQUEST PERMIT TRANSFER: PERMIT NUMBER: SAJ-2025-02965 (LOP-PJR)

When the structures or work verified 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, the present permittee and the transferee should sign and date below. This document must then be provided to the U.S. Army Corps of Engineers, Regulatory Division, Post Office Box 4970, Jacksonville, Florida 32232-0019.

(TRANSFEREE SIGNATURE)

(DATE)

(Name - Printed)

Lot/Block of site

(Street Address)

(City, State, and Zip Code)

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant:		File Number: SAJ- -	Date:
Attached is:		See Section below	
X	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A	
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B	
	PERMIT DENIAL	C	
	APPROVED JURISDICTIONAL DETERMINATION	D	
	PRELIMINARY JURISDICTIONAL DETERMINATION	E	

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/CECW/Pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also, you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision you may contact:

Project Manager as noted in letter

If you have questions regarding the appeal process you may contact

Mrs. Krista Sabin
USACE – South Atlantic Division
60 Forsyth Street SW
Atlanta, Georgia 30303-8801
(904) 314-9631 or
Krista.D.Sabin@usace.army.mil

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.

Date:

Telephone number:

Federal Regulations Governing the Approach to North Atlantic Right Whales



1. Federal regulations governing the approach to North Atlantic right whales can be found at 50 CFR 224.103(c). It is illegal to approach and remain within 500 yards of right whales; 500 yards is equal to the distance of 5 football fields.

Prohibitions on approaching right whales are as follows
(Excerpts from 50 CFR 224.103(c), available at www.ecfr.gov): Unless otherwise lawfully allowed or unless doing so would create an imminent and serious threat to a person or vessel, it is unlawful to:

- (i) *Approach (including by interception) within 500 yards (460 m) of a right whale by vessel*
- (ii) *Fail to undertake required right whale avoidance measures. If underway, a vessel must steer a course away from the right whale and immediately leave the area at a slow safe speed.*

2. Updates can be downloaded from:

a. http://www.nmfs.noaa.gov/pr/species/mammals/cetaceans/rightwhale_northatlantic.htm, or
b. www.ecfr.gov

SAJ-2025-02965 Veterans Park Dredge (Sheet 10 of 29) 04/07/2026



St. Johns River Water Management District

Michael A. Register, P.E., Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • 386-329-4500 • www.sjrwmd.com

March 05, 2026

Randy Coslow
City of Edgewater
PO Box 100
Edgewater, FL 32132-0100 UNITED STATES

SUBJECT: 186057-4
Travelers Umbrella - Unity Canals Stabilization Project

Dear Sir/Madam:

Enclosed is your consolidated Environmental Resource Permit (ERP) and written authorization to Use State Owned Sovereign Submerged Lands (SSL) issued by the St. Johns River Water Management District on March 05, 2026. This permit is a legal document and should be kept with your other important documents. Permit issuance does not relieve you from the responsibility of obtaining any necessary permits from any federal, state, or local agencies for your project.

The proposed activity as outlined on your exemption determination **does not** qualify for federal authorization pursuant to the State Programmatic General Permit VI-R1 (SPGP VI-R1) Coordination Agreement, therefore a SEPARATE permit or authorization may be required from the U.S. Army Corps of Engineers (Corps). You may need to apply separately to the Corps using the appropriate federal application form. More information about the Corps permitting may be found online in the [Jacksonville District](#). Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.

Technical Staff Report:

If you wish to receive a copy of a Technical Staff Report (TSR) that provides the District staff's analysis of the permit application, go to our ePermit portal on the District's website at <https://permitting.sjrwmd.com/ep/#/ep>, and then click on "Regulatory Search" from the Search option on the blue bar. From the search page, enter the Application/Permit #, and the Sequence # in the appropriate boxes and then click on Search. Click on the application/permit number hyperlink, to take you to a listing of all documents, including the TSR, for this permit.

Noticing Your Permit:

For noticing instructions, please refer to the noticing materials in this package regarding closing the point of entry for someone to challenge the issuance of your permit. Please note that if a timely petition for administrative hearing is filed, your permit will become nonfinal and any activities that you choose to undertake pursuant to your permit will be at your own risk. Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action.

GOVERNING BOARD

Rob Bradley, CHAIR
FLEMING ISLAND

Maryam H. Ghyabi-White, VICE CHAIR
ORMOND BEACH

J. Chris Peterson, SECRETARY
WINTER PARK

Ron Howse, TREASURER
COCOA

Ryan Atwood
MOUNT DORA

Doug Bournique
VERO BEACH

Douglas Burnett
ST. AUGUSTINE

Cole Oliver
MERRITT ISLAND

Janet Price
FERNANDINA BEACH

Compliance with Permit Conditions:

To submit your required permit compliance information, go to our ePermit portal on the District's website at <https://permitting.sjrwmd.com/ep/#/ep>. Once you have logged in to your account go to the "Processed Applications" panel and click on the hyperlink in the "Items Due" column. If you don't see your permit on this panel, you can add it as a "Favorite" by clicking on the "Favorite" icon at the top of the dashboard. This hyperlink will take you to a list of pending submittals due, and choose the appropriate submittal and click on the "Edit" icon to add necessary documents or information, and then submit. You can also submit this compliance data from the "Services" menu after logging in to your account. You will find the link under "Miscellaneous" services menu. The associated compliance forms to comply with your permit conditions are available at <https://www.sjrwmd.com/documents/permitting/> .

Transferring Your Permit:

Your permit requires you to notify the District within 30 days of any change in ownership or control of the project or activity covered by the permit, or within 30 days of any change in ownership or control of the real property on which the permitted project or activity is located or occurs. You will need to provide the District with the information specified in rule 62-330.340, Florida Administrative Code (F.A.C.). Generally, this will require you to complete and submit Form 62-330.340(1), "Request to Transfer Permit," available at <https://www.sjrwmd.com/documents/permitting/>. You can apply for a permit transfer on our the District's ePermit portal at <https://permitting.sjrwmd.com/ep/#/ep>. Once you have logged in, click on "Transfer Request" from the "SWERP/ERP Applications" Services menu.

Thank you and please let us know if you have additional questions. For general questions contact e-permit@sjrwmd.com or (386) 329-4570.

Sincerely,



Jeff Prather, Division Director
Division of Regulatory Services
St. Johns River Water Management District
2501 S. Binion Rd
Apopka, FL 32703
321-676-6609

Enclosures: Permit
Notice of Rights
List of Newspapers for Publication

cc: District Permit File

Consultant: Danny Young
Young Bear Environmental
1848 Date Palm Dr
Edgewater, FL 32141-3574

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
Post Office Box 1429
Palatka, Florida 32178-1429

PERMIT NO: 186057-4 **DATE ISSUED:** March 05, 2026
PROJECT NAME: Travelers Umbrella - Unity Canals Stabilization Project

AN ENVIRONMENTAL RESOURCE PERMIT (ERP) AUTHORIZING:

Construction and operation of a Stormwater Management System for a 0.51-acre project known as Travelers Umbrella - Unity Canals Stabilization Project as per plans received by the District on February 10, 2026 and as amended per the plans received by the District on February 24, 2026.

AUTHORIZATION TO USE SOVEREIGN SUBMERGED LANDS (SSL):

Authorization to use Sovereign Submerged Lands in the form of Letter of Consent for a 0.51-acre maintenance dredging project known as Travelers Umbrella - Unity Canals Stabilization Project in accordance with the plans received by the District on February 10, 2026 and as amended per the plans received by the District on February 24, 2026.

LOCATION:

Section(s): 50 Township(s): 17S Range(s): 34E
Volusia County

ISSUED TO:

City of Edgewater
PO Box 100
Edgewater, FL 32132-0100 UNITED STATES

The proposed activity as outlined on your exemption determination **does not** qualify for federal authorization pursuant to the State Programmatic General Permit VI-R1 (SPGP VI-R1) Coordination Agreement, therefore a SEPARATE permit or authorization may be required from the U.S. Army Corps of Engineers (Corps). You may need to apply separately to the Corps using the appropriate federal application form. More information about the Corps permitting may be found online in the [Jacksonville District](#). Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes:

ENVIRONMENTAL RESOURCE PERMIT AND SOVEREIGN SUBMERGED LANDS AUTHORIZATION IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated March 05, 2026

AUTHORIZED BY: St. Johns River Water Management District

By: 

Kirstin Leiendecker
Supervising Professional Engineer

APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS SHALL BE BROUGHT TO THE ENGINEER OF RECORD'S ATTENTION WITHIN A REASONABLE TIME FRAME, LESS THAN 48 HOURS AFTER DISCOVERED. ADVANTAGE WILL NOT BE TAKEN OF APPARENT ERROR OR OMISSION IN THE DRAWINGS OR SPECIFICATIONS, AND THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATIONS AS MAY BE DEEMED NECESSARY FOR FULFILLMENT OF THE INTENT OF THE DESIGN.

FINAL PLANS
FOR
**18th Street Canal
Dredging**
City of Edgewater

Diezel DePew
MAYOR

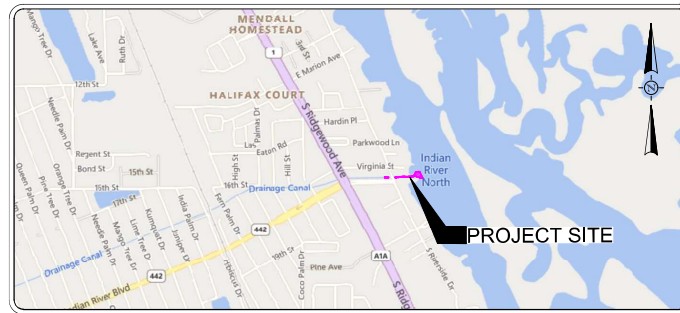
Charlotte Gillis
CITY COUNCIL MEMBER-
DISTRICT 1

Mike Thomas
CITY COUNCIL MEMBER-
DISTRICT 2

Debbie Dolbow
CITY COUNCIL MEMBER-
DISTRICT 3

Eric Rainbird
CITY COUNCIL MEMBER-
DISTRICT 4

Jeffrey Thurman
INTERIM CITY MANAGER



PROJECT MAP
NOT TO SCALE

Sheet List Table	
Sheet Number	Sheet Title
C-100	Cover Sheet
C-200	Aerial Sheet
C-201	Existing Conditions Plan 1
C-202	Existing Conditions Plan 2
C-300	Key Sheet
C-400	Geometry Plan 1
C-401	Geometry Plan 2
C-402	Geometry Plan 3
C-500	Canal Typical Sections
C-501	Sand Bar Typical Sections

OWNER/DEVELOPER:

CITY OF EDGEWATER
409 MANGO TREE DRIVE
EDGEWATER, FL 32132
SEAN MARONEY
PHONE: (386) 424-2400 EXT. 4008
SMARONEY@CITYOFEDGEWATER.ORG

ENGINEER/SURVEYOR:

HALFF ASSOCIATES, INC.
902 N. SINCLAIR AVENUE
TAVARES, FL 32778
CECILY L. BARNES, P.E.
(352) 343-8481
CBARNES@HALFF.COM

SURVEYED DATE:

FEBRUARY 28, 2025

BENCHMARK(S):

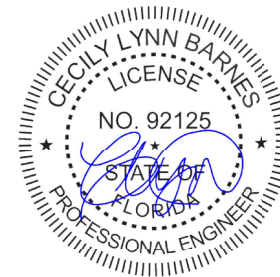
SITE BENCHMARK 1
SET CAPPED IRON ROD "LB 8348"
N: 1686464.9010'
E: 690618.3050'
ELEVATION: 5.15'

SITE BENCHMARK 2
SET CAPPED IRON ROD "LB 8348"
N: 1686425.8470'
E: 690230.8880'
ELEVATION: 7.71'

LEGAL DESCRIPTION:

A PARCEL OF LAND LYING WITHIN SECTION 8, TOWNSHIP 20 SOUTH, RANGE 28 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE INTERSECTION OF THE CENTERLINE OF COUNTY ROAD 561 AND THE NORTH BOUNDARY OF THE SOUTH 1/2 OF THE SOUTH-WEST 1/4 OF SAID SECTION 8; THENCE N89°51'07"W, ALONG SAID NORTH BOUNDARY, 53.81 FEET; TO THE WESTERLY RIGHT-OF-WAY LINE OF SAID COUNTY ROAD 561 (LYING 80 FEET FROM SAID CENTERLINE); THENCE CONTINUE N89°51'07"W, ALONG SAID NORTH BOUNDARY, 338.24 FEET; THENCE S21°33'02"E, PARALLEL WITH THE CENTERLINE OF SAID COUNTY ROAD 561, 98.42 FEET; TO THE POINT OF BEGINNING; THENCE CONTINUE S21°33'02"E, PARALLEL WITH SAID CENTERLINE, 811.13 FEET; TO A POINT 60.20 FEET NORTH OF, WHEN MEASURED AT RIGHT ANGLES TO, THE SOUTH BOUNDARY OF THE SOUTH-WEST 1/4 OF SAID SECTION 8; THENCE S89°43'02"E, PARALLEL WITH SAID SOUTH BOUNDARY OF THE SOUTH-WEST 1/4 OF SAID SECTION 8, 258.46 FEET; TO THE AFORESAID WESTERLY RIGHT-OF-WAY OF COUNTY ROAD 561 (LYING 80 FEET FROM THE CENTERLINE OF SAID COUNTY ROAD 561); THENCE N21°38'22"W, ALONG SAID WESTERLY RIGHT-OF-WAY, 811.13 FEET; THENCE N89°49'02"W, PARALLEL WITH THE AFORESAID WESTERLY RIGHT-OF-WAY OF COUNTY ROAD 561, 338.46 FEET; TO THE POINT OF BEGINNING.



January 15, 2026



Know what's below.
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE GEORGETOWN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

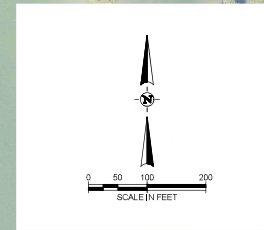
AVO: 058361.003 DATE: JANUARY 2026

C-100

TOTAL SURFACE WATERS AREA 0.507 ACRES
 TOTAL WETLANDS AREA 0.000 ACRES
 TOTAL UPLANDS AREA + 0.000 ACRES

TOTAL PROJECT AREA 0.507 ACRES

TOTAL WORK ON/OVER SURFACE WATERS 0.507 ACRES
 TOTAL WORK ON/OVER WETLANDS 0.000 ACRES
 TOTAL WORK ON/OVER UPLANDS 0.000 ACRES
 TOTAL WORK IN THE IWE 29092 0.000 ACRES



DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	062961203
FILE NAME	18TH STREET CANAL DREDGING

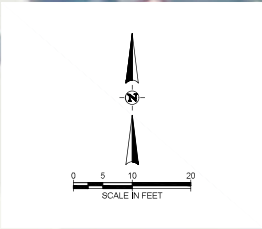
18th Street Canal Dredging
 Aerial Sheet



DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	062961203
FILE NAME	18TH STREET CANAL DREDGING

C-200

CECILY LYNN BARNES
 Registered Eng. 061123

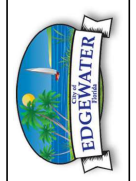


LEGEND	
MEAN HIGH WATER (0.54' NAVD)	---
MEAN LOW WATER (-1.45' NAVD)	- - - - -
EXIST. TOE OF SLOPE (CANAL DREDGING LIMITS)	—

NOTE: TURBIDITY CURTAIN NOT SHOWN. DREDGING EQUIPMENT TO BE ENCLOSED BY THE TURBIDITY CURTAIN, REFER TO BAYSIDE OPERATIONAL PLANS FOR LOCATION AND DETAILS

DATE	05/22/2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	062961203
FILE NAME	18TH STREET CANAL DREDGING

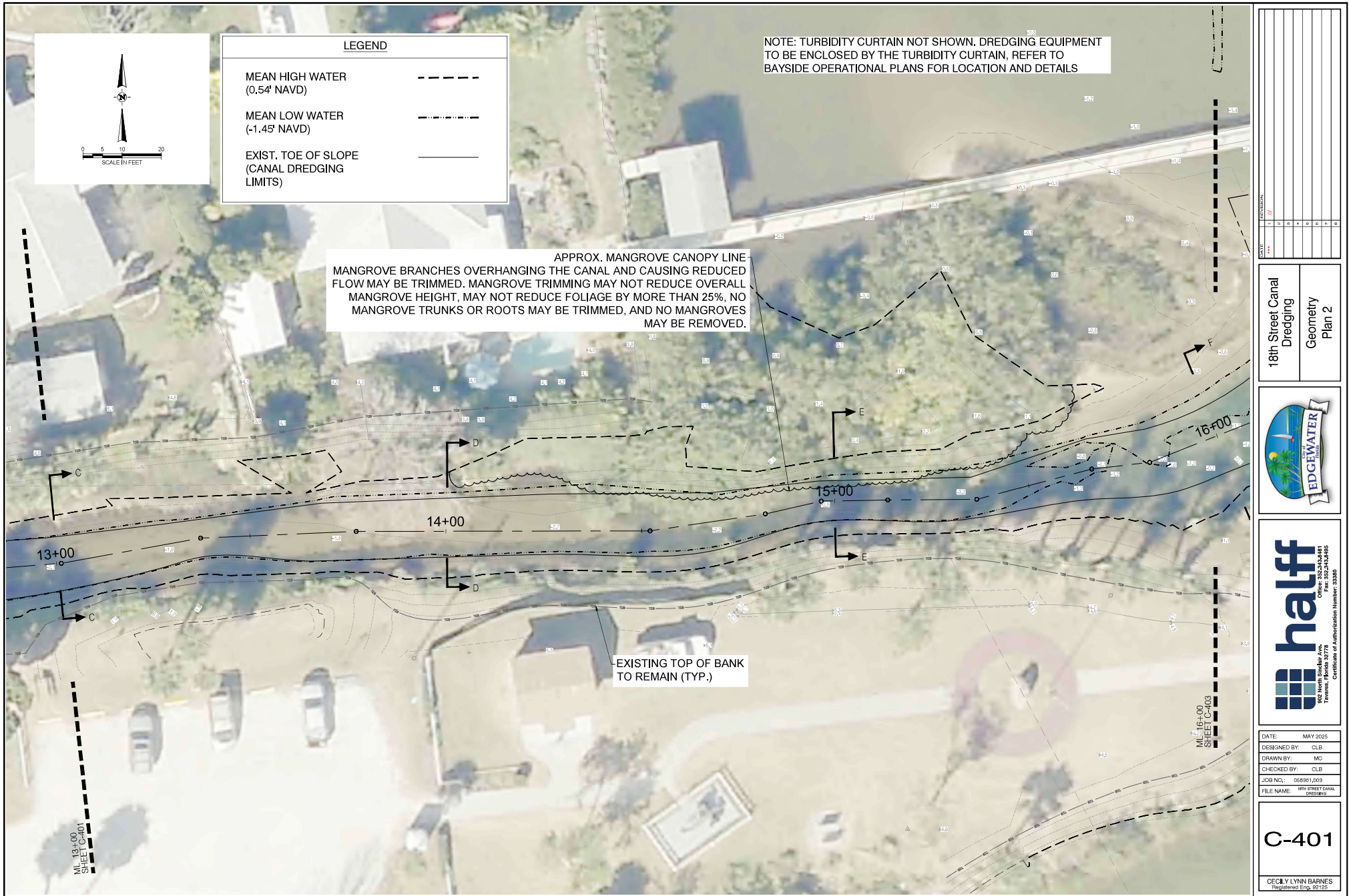
18th Street Canal Dredging Geometry Plan 1



halff
 900 North Industrial Ave
 Tallahassee, FL 32309
 Certificate of Authorization Number: 33380

DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	062961203
FILE NAME	18TH STREET CANAL DREDGING

C-400
 CECILY LYNN BARNES
 Registered Eng. 061125



LEGEND

MEAN HIGH WATER (0.54' NAVD)	---
MEAN LOW WATER (-1.45' NAVD)	- - - - -
EXIST. TOE OF SLOPE (CANAL DREDGING LIMITS)	—

NOTE: TURBIDITY CURTAIN NOT SHOWN. DREDGING EQUIPMENT TO BE ENCLOSED BY THE TURBIDITY CURTAIN, REFER TO BAYSIDE OPERATIONAL PLANS FOR LOCATION AND DETAILS

APPROX. MANGROVE CANOPY LINE
MANGROVE BRANCHES OVERHANGING THE CANAL AND CAUSING REDUCED FLOW MAY BE TRIMMED. MANGROVE TRIMMING MAY NOT REDUCE OVERALL MANGROVE HEIGHT, MAY NOT REDUCE FOLIAGE BY MORE THAN 25%, NO MANGROVE TRUNKS OR ROOTS MAY BE TRIMMED, AND NO MANGROVES MAY BE REMOVED.

EXISTING TOP OF BANK TO REMAIN (TYP.)

NO.	DATE	BY	DESCRIPTION

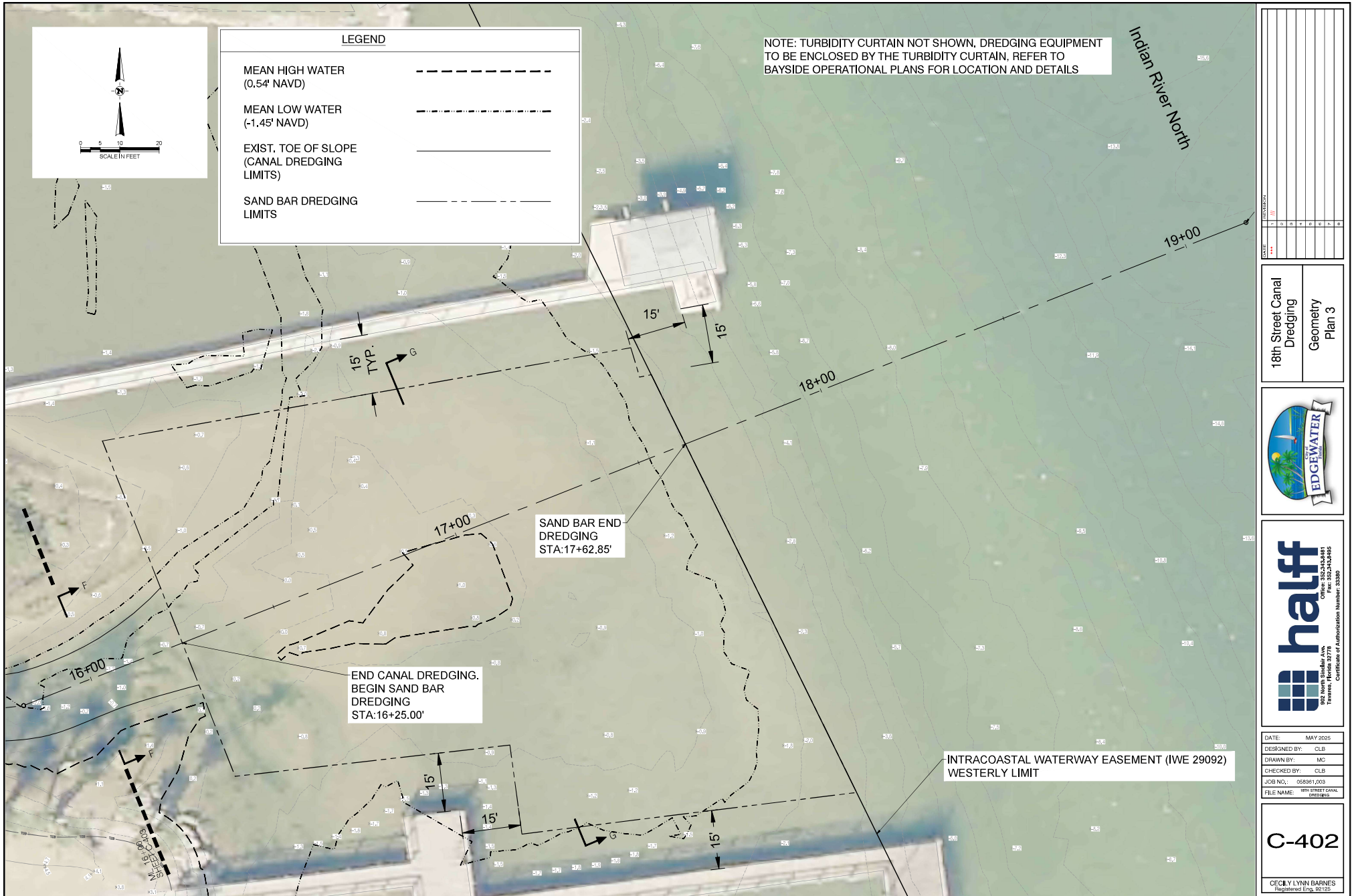
18th Street Canal
Dredging
Geometry
Plan 2



DATE:	MAY 2025
DESIGNED BY:	CLB
DRAWN BY:	MC
CHECKED BY:	CLB
JOB NO.:	068861-003
FILE NAME:	18th STREET CANAL_DREDGING

C-401

CECILY LYNN BARNES
Registered Eng. 22125



NOTE: TURBIDITY CURTAIN NOT SHOWN. DREDGING EQUIPMENT TO BE ENCLOSED BY THE TURBIDITY CURTAIN, REFER TO BAYSIDE OPERATIONAL PLANS FOR LOCATION AND DETAILS

LEGEND

MEAN HIGH WATER (0.54' NAVD) - - - - -

MEAN LOW WATER (-1.45' NAVD) - · - · - · -

EXIST. TOE OF SLOPE (CANAL DREDGING LIMITS) ———

SAND BAR DREDGING LIMITS - - - - -

DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	029651203
FILE NAME	18TH STREET CANAL DREDGING

18th Street Canal Dredging
Geometry
Plan 3






halff
 902 North Industrial Ave.
 Ft. Lauderdale, FL 33304
 Certificate of Authorization Number: 33380

DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	029651203
FILE NAME	18TH STREET CANAL DREDGING

C-402

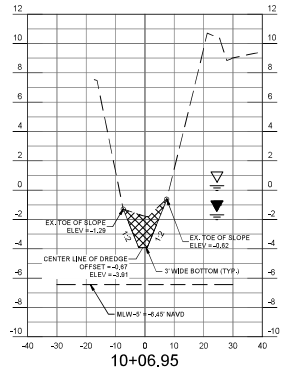
CECILY LYNN BARNES
 Registered Eng. 021125

18th Street Canal Dredging

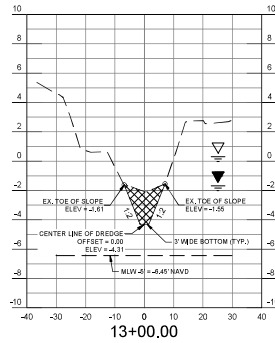
MEAN HIGH WATER 0.54' 
 MEAN LOW WATER -1.45' 
 MEAN LOW MINUS 5' (MLW-5) = -6.45' NAVD 

NOTE:
 1. DREDGING SLOPE NOT TO EXCEED 1:2 (VERTICAL:HORIZONTAL)
 2. DREDGING MATERIAL IS TO BE HAULED OFF AND DISPOSED OF BY CONTRACTOR.

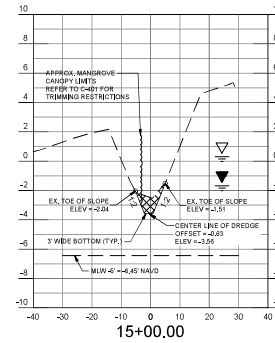
HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'



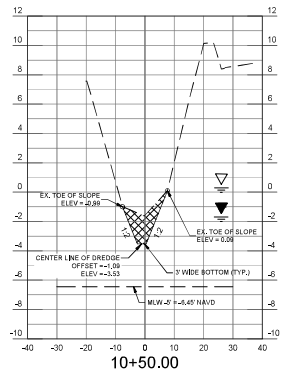
SECTION A-A
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'



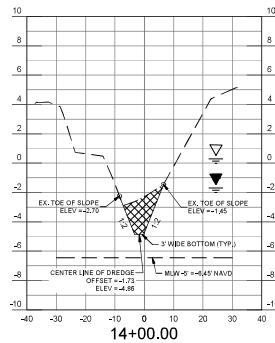
SECTION C-C
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'



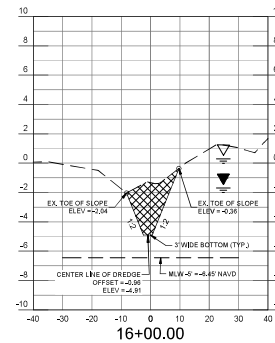
SECTION E-E
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'



SECTION B-B
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'



SECTION D-D
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'



SECTION F-F
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'

NOTE: TURBIDITY CURTAIN NOT SHOWN. DREDGING EQUIPMENT TO BE ENCLOSED BY THE TURBIDITY CURTAIN, REFER TO BAYSIDE OPERATIONAL PLANS FOR LOCATION AND DETAILS

DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	029561203
FILE NAME	18TH STREET CANAL DREDGING

18th Street Canal Dredging
 Canal Typical Sections






DATE	MAY 2025
DESIGNED BY	CLB
DRAWN BY	MC
CHECKED BY	CLB
JOB NO.	029561203
FILE NAME	18TH STREET CANAL DREDGING

C-500

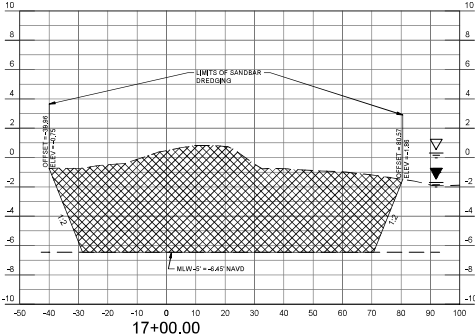
CECILY LYNN BARNES
 Registered Eng. 021125

18th Street Canal Dredging

MEAN HIGH WATER 0.54' 
 MEAN LOW WATER -1.45' 
 MEAN LOW MINUS 5' (MLW-5) = -6.45' NAVD 

NOTE:
 1. DREDGING SLOPE NOT TO EXCEED 1:2 (VERTICAL:HORIZONTAL)
 2. DREDGING MATERIAL IS TO BE HAULED OFF AND DISPOSED OF BY CONTRACTOR.

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

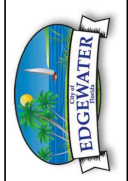


SECTION G-G
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 4'

NOTE: TURBIDITY CURTAIN NOT SHOWN. DREDGING EQUIPMENT TO BE ENCLOSED BY THE TURBIDITY CURTAIN, REFER TO BAYSIDE OPERATIONAL PLANS FOR LOCATION AND DETAILS

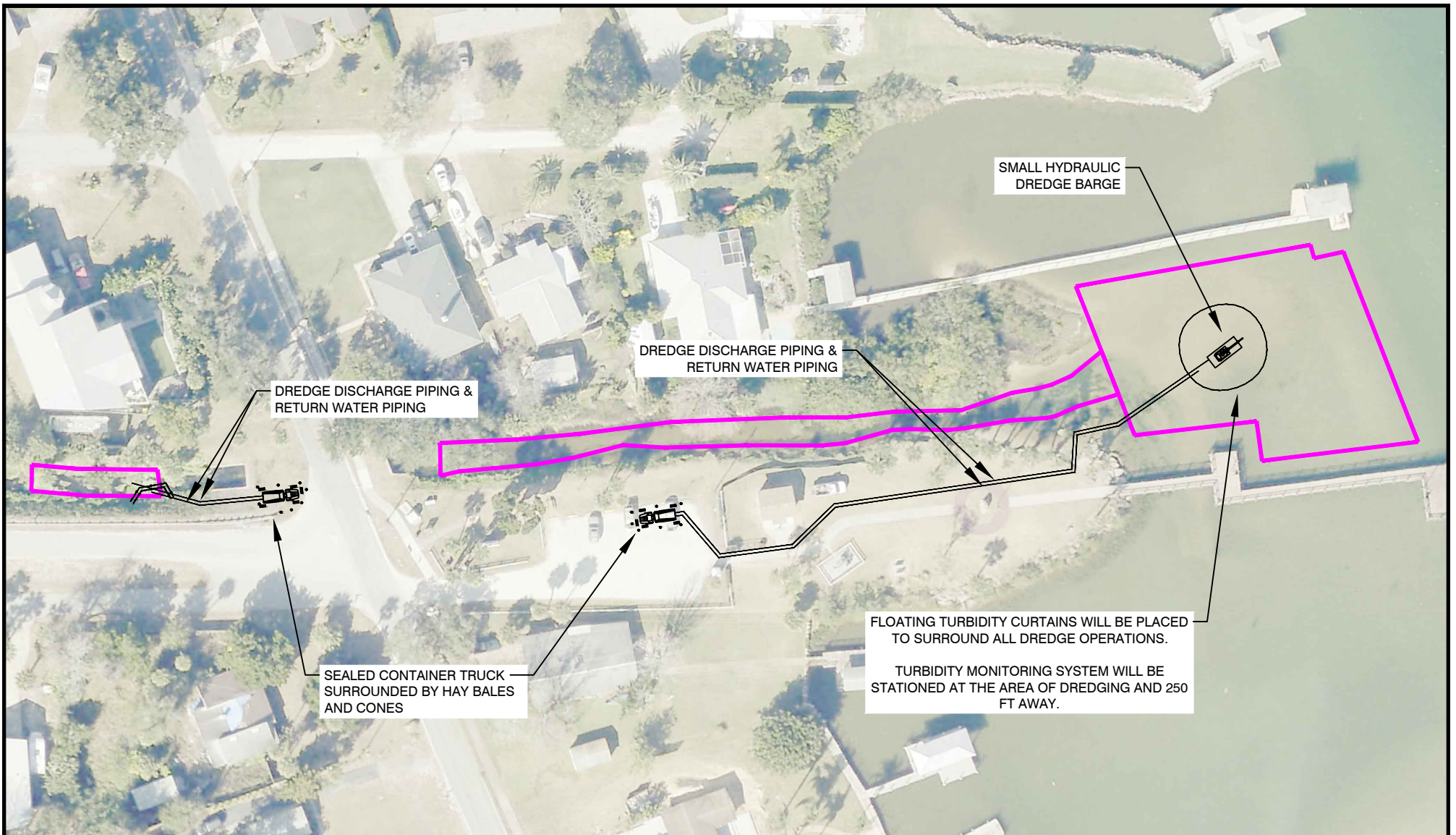
DATE	DESIGNED BY	DRAWN BY	CHECKED BY	JOB NO.	FILE NAME
MAY 2025	CLB	MC	CLB	029561203	18TH STREET CANAL DREDGE

18th Street Canal Dredging Sand Bar Typical Sections

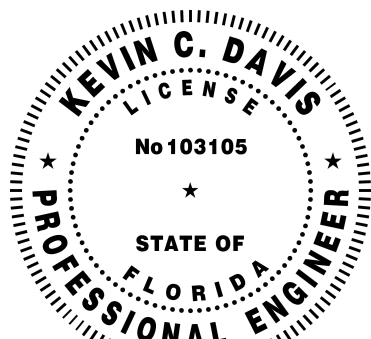


DATE	DESIGNED BY	DRAWN BY	CHECKED BY	JOB NO.	FILE NAME
MAY 2025	CLB	MC	CLB	029561203	18TH STREET CANAL DREDGE

C-501
 CECILY LYNN BARNES
 Registered Eng. 021123



BAYSIDE DREDGING LLC
 12924 49TH ST. N.
 CLEARWATER, FL 33762
 PHONE 727.436.5044 FAX 727.436.5003
 www.baysidedredging.com



FOR
 18th Street Canal
 Dredging

- PROPOSAL
- PRELIMINARY
- PERMITTING
- ISSUED FOR CONSTRUCTION
- RECORD DRAWING

EDGEWATER.DWG

EXHIBIT TITLE **PLAN VIEW - OPERATIONS (TYP.)**

Project Address:

DATE:
1/28/26

DRAWN BY:
KEVINDAVIS

CHECKED BY:
bsapp

JOB NO.:
XXXXXX

Exhibit No.

EXHIBIT 00

SCALE: 1" = 80'

Hydraulic Dredging Process

The dredging will be performed using a hydraulic dredge pump which will pump to sealed (watertight) containers located on the edge of the uplands. During pumping activities the dewatering trucks will be monitored continuously to ensure the capacity of the containers is not exceeded.

The dredged sediments will be dewatered in the settling containers and filtered through the use of a weir system. The return water from the dewatering truck will then be piped back to the original dredge area, as necessary. Thereby through continuous monitoring, the settling tanks and piping is a closed system. Dredged material and/or return water will not spill into the surrounding street and enter stormwater drains.

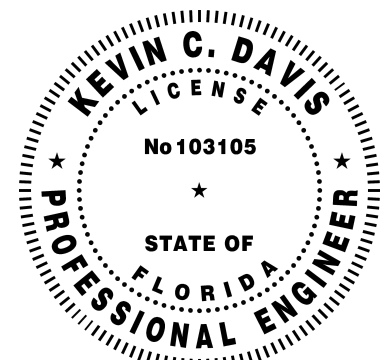
Pumped waters will remain enclosed within the piping and container system, with the only discharge to the waters of the dredging area. A plan view schematic of the proposed dredging area layout is included in **EXHIBIT 00**. The project right-of-way areas will be left clean and returned to previous conditions.

Turbidity Monitoring

Two locations are proposed for turbidity monitoring to ensure that return water does not exceed ambient background turbidity readings. Field turbidity measurements will be taken on 4-hour increments at Station TM-2 during dredging operations. Turbidity measurement will be taken at Station TM-1 as an ambient background level.

Best Management Practices

Best Management practices shall be used during the entire construction operations. All necessary precautions shall be taken to avoid impacts to the shoreline and waterway, and to keep fill material from entering the waterway. Turbidity curtains and/or silt screens shall be properly installed around the waterward side of the construction area and shall completely surround the activity. The activities will not adversely affect the quality of receiving waters or the nutrient levels.





18th Street Canal Dredging
 City of Edgewater, Florida
 Halff AVO 058361.003

18th Street Canal & Sand Bar Proposed Excavation Volume Calculation					
Location	Station	Excavation Area (SF)	Excavation Area (SY)	Excavation Volume (CY)	Cummulative Excavation Volume (CY)
Begin Project / Begin Canal Dredging	10+00.00	19.56	2.17	0.00	0.00
	10+06.95	19.19	2.13	14.96	14.96
	10+50.00	18.69	2.08	90.62	105.58
End Canal Dredging / Begin Exist. Rip Rap	10+72.80	24.20	2.69	54.33	159.91
Culvert	10+72.80 - 12+34.47	N/A	N/A	N/A	N/A
End Exist. Rip Rap / Begin Canal Dredging	12+34.47	32.13	3.57	0.00	159.91
	12+50.00	22.87	2.54	47.45	207.36
	13+00.00	19.46	2.16	117.58	324.94
	13+50.00	14.81	1.65	95.19	420.14
	14+00.00	20.27	2.25	97.43	517.57
	14+50.00	21.09	2.34	114.88	632.45
	15+00.00	7.38	0.82	79.09	711.55
	15+50.00	15.98	1.78	64.90	776.45
	16+00.00	35.57	3.95	143.20	919.65
End Canal Dredging	16+25.00	91.56	10.17	176.57	1096.21
Begin Sand Bar Dredging	16+25.00	485.27	53.92	0.00	1096.21
See Plan Sheet C-403 (Dredging Limits Change)	16+93.05	546.45	60.72	3900.49	4996.70
See Plan Sheet C-403 (Dredging Limits Change)	16+93.05	670.50	74.50	0.00	4996.70
	17+00.00	673.04	74.78	518.75	5515.46
	17+50.00	581.62	64.62	3485.17	9000.63
See Plan Sheet C-403 (Dredging Limits Change)	17+58.27	550.99	61.22	520.37	9521.00
See Plan Sheet C-403 (Dredging Limits Change)	17+58.27	498.46	55.38	0.00	9521.00
End Sand Bar Dredging / End Project	17+62.85	417.55	46.39	233.07	9754.07
				30% Dirt Swell Factor	2926.22
				Stockpile Volume	12680.29

Haul Path (2.1 mi)

from: 1811 S Riverside Dr
to: 1898 S Air Park Rd
Edgewater, FL 32141

Legend

-  1898 S Air Park Rd - Spoils Drying Area
-  Haul Path (2.1 mi)
-  Silt Fence Containment
-  Stockpile Area

