



FLORIDA FISH & WILDLIFE CONSERVATION COMMISSION

APRIL 2023

Statement of Qualifications

Florida Boating Improvement Program –  
Shell Mound Public Boat Ramp Phase 2





**LEVY COUNTY BOARD OF COUNTY COMMISSIONERS**  
**Government Serving Citizens**

**COMMISSIONERS**  
**John Meeks**  
**Rock Meeks**  
**Desiree Mills, Vice Chair**  
**Tim Hodge**  
**Matt Brooks, Chair**

March 13, 2023

Florida Fish and Wildlife Conservation Commission  
Division of Law Enforcement  
Boating and Waterways Section  
620 South Meridian Street, Room 235  
Tallahassee, Florida 32399-1600

Subject: Florida Boating Improvement Program – Shell Mound Public Boat Ramp Levy County, FL

Dear Review Committee Members:

On behalf of the Levy County Board of County Commissioners, we are pleased to submit this application for a Florida Boating Improvement Program (FBIP) Grant. This Application is for the construction phase of the proposed channel maintenance dredging at the Shell Mound Public Boat Ramp.

**PROJECT OVERVIEW**

The Shell Mound Boat Ramp is located north of Cedar Key on County Road 326 within the Shell Mound Campground which is owned and operated by Levy County. The boat ramp is used by boaters staying at the Campground, as well as by the general public. The ramp serves Levy County residents and out-of-County and out-of-State visitors alike. The boat ramp is located within the Lower Suwannee National Wildlife Refuge and borders the Cedar Key Scrub State Reserve.

This application is for funding of the second phase of a planned multi-year project and includes the maintenance dredging of the channel that leads from the boat ramp to the Suwannee Sound and The Gulf of Mexico. Construction of the dredging is expected to start in 2023.

A FBIP grant for the design and permitting of the dredging was approved during the 2021-2022 cycle. Since that time the plans and permits have been advanced to approximately 90% with final approval expected in July of 2023. Levy County

Some key points regarding this application include:

- Type of Request: Construction
- Phase 2 Request: \$765,000
- Applicant Cost Share: \$0
- Rural Area of Opportunity (RAO): Yes
- Rural Economic Dev. Initiative (REDI): Yes
- Population of less than 100,000: Yes
- Last Dredging: 1990

## **PROJECT NEED**

The Shell Mound dredging project is the only FBIP Application from Levy County for the 2023 funding period.

The dredging project is intended to improve boater accessibility and safety. Presently the channel that leads from the existing boat ramp to Suwannee Sound is typically only passable, by normal motorboats, for a few hours per day that coincides with the high tide. The ramp is almost unusable most of the day, except by airboats, which well known by the boating public in Cedar Key and throughout Levy County. This lack of accessibility likely increases volume at the County's other boat ramps.

As important as the limited accessibility, the channel also represents a safety hazard for boaters. If boaters are not aware the channel is passable only at high tide, they could become stranded on the water. In addition, boats returning to the channel in the dark, or low light conditions may not be able to tell that the channel has no water which could result in accidental grounding. If injuries occurred during an accidental grounding it would be difficult or impossible for first responders to reach the victims without an air-boat, or they would have to travel from Cedar Key or elsewhere by water.

The County has provided numerous letters of support for this project as part of the initial Phase 1 Grant. These letters were from both local groups as well as our legislative delegation, including the US Department of the Interior, State Senator Jennifer Bradley and the University of Florida Shellfish Aquaculture Extension Program.

## **PROJECT PURPOSE**

The purpose of the proposed maintenance dredging is to restore the channel that leads to the boat ramp from Suwannee Sound. The approximately 600-foot channel was last dredged in 1990. The proposed dredging is intended to restore the channel's approximately 40-foot-wide cross-section to a depth of five (5) feet measured from Mean Sea Level (MSL). Currently the depth is less than one (1) foot measured from MSL.

This application includes photos during a 2021 low tide that show the channel is completely impassable, no water is present in the majority of the channel. Although these photos were taken at low tide, the channel is generally impassable at most times except for a couple of hours before and after high tide.

## **PROJECT BENEFIT**

The Shell Mound Boat Ramp is one of only nine (9) operated by Levy County and has seen a steady decline in use by both recreational and commercial users. The Shell Mound Campground is unique in that it offers campers the ability to boat directly from the campground to enjoy the recreation opportunities of the Suwannee Sound and the surrounding Lower Suwannee National Wildlife Refuge and Cedar Key Scrub State Reserve.

Improvements to water access and safety for recreational boaters at Shell Mound will complement Levy County's future plans to make other land-side improvements at the Shell Mound Campground. By attracting more campers with improved boating, the expected increase in camping fee revenue will help offset costs for planned improvements to the campground's sewer and electrical systems and general camping amenities.

## PROJECT SCOPE

The scope of work for the second phase of the FBIP Grant consists of the bidding and construction of the dredging to a minimum width of 40 feet, 5 feet deep, with 3:1 side slopes. The channel was dredged to a depth of 5 feet in 1990 according to the available permitting documents, the proposed dredging would also be to a depth of 5 feet from Mean Sea Level (MSL), which equates to approximately 4 feet of material to be removed. It is anticipated that permitting for the maintenance dredging would require similar design parameters for width and depth. The amount of dredged material is expected to be approximately 4,400 cy.

In 1990 the US Army Corps of Engineers (USACOE) and the Florida Department of Natural Resources (DNR) issued permits for the maintenance dredging of the canal. DNR has since become the Florida Department of Environmental Protection (FDEP) and is expected to have jurisdiction over the permitting. The following permits are anticipated to be approved by July of 2023 for this project:

- US Army Corps of Engineers – Nationwide Permit PCN
- Florida DEP – Environmental Resource Permit

## PROJECT COSTS

The dredged materials will be dewatered on-site and then trucked to a landfill facility. Due to the presence of arsenic and other metals in the sediment the material cannot be disposed of on County owned land. However, this has not increased the anticipated project costs. An initial cost estimate of approximately \$1,200,000 for the dredging work was included in the Phase 1 application. The current engineer's estimate of cost is approximately \$765,000.

## PROJECT TIMELINE

- Pre Bid Meeting: 8/2023
- Bidding: 9/2023
- Evaluation of Bids and Award: 10/2023
- Begin Construction: 10/2023
- Construction Closeout: 12/2023

Please feel free to contact me at (352) 486-5127, if you have any questions or require additional information on the project.

Sincerely,

Matt Weldon  
Director, Levy County Parks and Recreation  
[weldon-matt@levycounty.org](mailto:weldon-matt@levycounty.org)

cc: Tim Hodge, Levy County Commission, District 4  
Ali Tretheway, Procurement Coordinator, Levy County  
Walt Nickel PE, Wright-Pierce

# **Application Form**



# Florida Boating Improvement Program Grant Application

FOR OFFICE USE ONLY	
<b>Grant Application Number :</b>	<b>Date Received:</b>

Fill in all sections that apply – Put N/A for all sections that do not apply

I – APPLICANT INFORMATION			
Applicant Organization Name: <b>Levy County Board of County Commissioners</b>			DUNS #:
Federal Employer Id. No.: <b>59-6000717</b>	State Senate District: <b>22</b>	State House District: <b>2</b>	U.S. Congressional District: <b>2</b>
Signature Authority Name: <b>Matt Weldon</b>		Signature Authority Title: <b>Director, Levy County Parks and Recreation</b>	
Project Manager Name: <b>Matt Weldon</b>		Project Manager Title: <b>Director, Levy County Parks and Recreation</b>	
Mailing Address: <b>PO Box 248</b>	City: <b>Bronson</b>	Zip Code: <b>32621</b>	
Shipping Address: <b>620 N. Hathaway Ave</b>	City: <b>Bronson</b>	Zip Code: <b>32621</b>	
Telephone: <b>352-486-5127</b>	Fax: <b>352-486-5165</b>	Email: <b>weldon-matt@levycounty.org</b>	

II – PROJECT SUMMARY	
Project Title: <b>Shell Mound Boat Ramp Channel Improvements</b>	
Type of Application: <input type="checkbox"/> New (never considered before) <input type="checkbox"/> Reconsideration <input checked="" type="checkbox"/> Phased Continuation–Phase No.: <b>2</b>	
Type of Request: <input type="checkbox"/> FCO Design/Engineering/Permitting <input checked="" type="checkbox"/> FCO Construction <input type="checkbox"/> Non-FCO Project	
Project Category: (Select only one) <input checked="" type="checkbox"/> Boat Access Facilities <input type="checkbox"/> Recreational Channel Markings/Uniform Waterway Markers <input type="checkbox"/> Boater Education <input type="checkbox"/> Other Boating Related Activities <input type="checkbox"/> Derelict Vessels	
Project Cost:	Total Project Cost: \$ <b>765000</b> FBIP Amount Requested: \$ <b>765000.00</b>
<p><b>Project Summary:</b></p> <p>This application for FBIP funding will be used for the Phase 2 construction of improvements designed and permitted using an earlier FBIP Grant (FWC Agreement No. 21103) awarded in the 2021-2022 cycle.</p> <p>The proposed project will consist of the one-time maintenance dredging of the channel from the Shell Mound Boat Ramp to the Suwanee Sound. This channel is almost waterless at low tide which severely limits motorized boaters access to the boat ramp.</p> <p>The Boat Ramp is owned, operated and maintained by Levy County.</p> <p>The proposed channel dredging is 30' wide, 600' long by 4' deep resulting in an estimated 4,400 CY of material to be removed. Dredged material will be dewatered onsite and after drying will be trucked offsite to a suitable disposal area. Dredging and disposal will be performed in a manner to minimize impact to the surrounding environment.</p> <p>The Project is close to reaching final design and acquiring permits from FDEP and USACE.</p>	

### III – PROJECT INFORMATION

Project Type:  Boat Access New Construction (New Facility)  Boat Access New Construction (Existing Facility)  
 Boat Access Engineering/Permitting (no construction)  Boat Access Renovation/Replacement  
 New Channel Markers  New Regulatory Markers  
 New Information Markers  Replace/Repair Channel Markers  
 Replace/Repair Regulatory Markers  Replace/Repair Information Markers  
 Derelict Vessel  Kiosks /Signs  
 Educational Program  Portable Exhibits (trade show exhibit)  
 Printed Materials (boater guides, brochures)

Current Facility Description:  Boat Ramp/Public Launching Facility  Marina/Tie-up/Overnight Moorage Facility  
 Primitive  Other:

Facility Location: County: **Levy County** Water body: **Suwannee Sound**  
Latitude: N 29 deg. 12 min. sec. Longitude: W83 deg. 3 min. sec.  
Facility Street Address or Location: **17650 SW 78 Place, Cedar Key, FL 32625**

Upland Ownership:  Public - Fee Simple  Public – Lease  
Number of Years Remaining in Lease: Name of Owner: **Levy County**

Is this facility open to the general public?  Yes  No

Estimate percent (%) use of launching facility: **85** % Motorboats/Sailboats **15** % Non-Motorboats

Current day use, parking or launch fee amount: \$ **0.00** Tie-up/Overnight Moorage fee: \$ **0.00**

How frequently are facilities inspected or maintained? **Daily**  
Who does the inspections and maintenance? **Levy County Parks and Recreation Department**

To capture boating access opportunities in the area, please provide names of comparable boating facilities (ramps, tie-up facilities/marinas) within a 10-mile radius of the proposed facility.

Name	Distance	Name	Distance
1. <u>Shell Mound Primitive Boat Launch</u>	<u>2,500 feet</u>	2. <u>Cedar Key Bridge No. 4 Boat Ramp</u>	<u>7.25 miles</u>
3. <u>Cedar Key Marina Boat Ramp (Basin)</u>	<u>9.5 miles</u>	4. <u>Cedar Key Marina Boat Ramp (Gulf Side)</u>	<u>9.5 miles</u>
5. _____	_____	6. _____	_____
7. _____	_____	8. _____	_____
9. _____	_____	10. _____	_____

#### IV - FACILITY COMPONENTS AND USE – EXISTING CONDITIONS

Number of Launch Lanes: **2**

Type of Ramp:  Asphalt  Concrete  Other  
 Condition:  Poor  Average  Good

Number of Boarding Docks: **1** Length: **80.0**Cft.

Type of Dock:  Fixed Wood  Fixed Concrete  Aluminum  Floating  Other  
 Condition:  Good  Average  Poor

Moorage or Tie-up Dock: Ft or Slip

Type of Dock:  Fixed Wood  Fixed Concrete  Aluminum  Floating  Other  
 Condition:  Good  Average  Poor

Number of Boat Trailer Parking Spaces: **12**

Number of ADA Boat Trailer Parking Spaces:

Type of Parking:  Asphalt  Concrete  Grass  Other  
 Condition:  Good  Average  Poor

Other Facility Attributes:

Restroom:  Yes  No Pump-out Station:  Yes  No  
 Showers:  Yes  No Garbage Cans/Dumpster:  Yes  No  
 Laundry Facilities:  Yes  No Hoist Launching System:  Yes  No  
 Shelters at Launch Sites:  Yes  No Wave attenuation /Breakwater:  Yes  No  
 Other:

#### V - PROJECT ENGINEERING AND CONSTRUCTION

Who is or will be completing project design/engineering?

Applicant's Own Staff  
 Consulting Engineers  
 N/A (Materials or Equipment Purchase)  
 Other:

Level of engineering completed at time of application:

None  
 Conceptual (Master Plan Phase)  
 Preliminary  
 Final (Ready to Bid)

#### VI - PERMITS

	Submitted	Approved	N/A
U.S. Army Corps of Engineers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Florida Department of Environmental Protection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FWC (Projects involving mooring buoys must be permitted pursuant to Chapter 68D-23, F.A.C.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Local and Others (If needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



## VII – PROJECT SCOPE

**Need Statement:** The Applicant must explain why the project is necessary, timely, and how it fulfills a need. Describe why existing facilities are insufficient to meet demand.

This Application is for funding of the construction of the Shell Mound Boat Ramp Dredging project. Phase 1 consisted of Engineering and Permitting which is currently in progress and was funded by a grant from the FBIP in 2021-2022 cycle. Final permits and engineering plans are anticipated to be complete by July 2023.

The dredging project is intended to improve boater accessibility and safety. Presently the channel that leads from the existing boat ramp to Suwannee Sound is typically only passable, by normal motorboats, for a few hours per day that coincides with the high tide. The ramp is almost unusable most of the day, except by airboats, which well known by the boating public in Cedar Key and throughout Levy County. This lack of accessibility likely increases volume at the County's other boat ramps.

As important as the limited accessibility, the channel also represents a safety hazard for boaters. If boaters are not aware the channel is passable only at high tide, they could become stranded on the water. In addition, boats returning to the channel in the dark, or low light conditions may not be able to tell that the channel has no water which could result in accidental grounding. If injuries occurred during an accidental grounding it would be difficult or impossible for first responders to reach the victims without an air-boat, or they would have to travel from Cedar Key or elsewhere by water.

**Project Purpose:** The Applicant must succinctly summarize the ultimate purpose for the proposed project and link the purpose to the demonstrated need. Be specific and focus on the benefits to the boater and boating access.

The purpose of the proposed maintenance dredging is to restore the channel that leads to the boat ramp from Suwannee Sound. The approximately 600-foot channel was last dredged in 1990. The proposed dredging is intended to restore the channel's cross-section to have a depth of 4.5 feet below mean low water. Currently the depth is estimated to be less than one (1) foot measured from mean low water. The limits of dredging are dictated by the permit that was issued in 1990, additional permitting (not contemplated by this scope of work) would be required to extend the dredging beyond the current limits.

## VII – PROJECT SCOPE

**Expected Results or Benefits:** The Applicant must describe how the structures, service, or other activities will address the need(s) and benefits for boating access. Describe how the project increases boating access, safety or education.

The Shell Mound Boat Ramp is one of only nine (9) operated by Levy County and has seen a steady decline in use by both recreational and commercial users.

The Shell Mound Campground is unique in that it offers campers the ability to boat directly from the campground in order to enjoy the recreation opportunities of the Suwannee Sound and the surrounding Lower Suwannee National Wildlife Refuge and Cedar Key Scrub State Reserve. The County is seeking funding for this project to be able to attract both in-county and out-of-county recreational boaters.

Improvements to water access and safety for recreational boaters at Shell Mound will complement Levy County's plans to make other land-side improvements at the Shell Mound Campground. By attracting more campers with improved boating, the expected increase in camping fee revenue will be utilized to help offset costs for planned improvements to the campground's sewer and electrical systems and general camping amenities.

**Project Goals & Timeline:** The Applicant must clearly describe the project goal(s) and proposed timeline to reach the desired outcome of the project.

Goal 1: Design and Permitting for Dredging (Previous FBIP Grant)

Goal 2: Construction of Dredging (This application)

Projected Goal 1 Completion Date: 7/2023

Project Goal 2 Completion Date: 4/2024

## VII – PROJECT SCOPE

**Approach and Tasks:** Using the preferred format outlined in the example below, the Applicant should describe the approach, tasks and activities used to meet the project goal(s). Applicant should describe how each task will be completed, by whom and the anticipated completion date. The goal(s) should be specific, measurable, and those which can be accomplished within the project time frame.

**EXAMPLE:**

**GOAL:** *Anywhere County will utilize the approved design, engineering plans and permits to procure contracted services to construct and install a new one-lane boat ramp with a concrete approach.*

**Tasks:**

- *Prepare construction plans, details, sections, and specifications necessary for bidding: Complete by 01/2020*
- *Advertise the construction project documents to interested bidders: Complete by 02/2020*
- *Review bids and make recommendation of award to the County: Complete by 04/2020*
- *Dredge 400 cubic yards from the end of the boat ramp to the creek: Complete by 05/2020*
- *Demolish the existing boat ramp: Complete by 07/2020*
- *Install a 15-feet by 40-feet concrete boat ramp: Complete by 08/2020*
- *Install a 70 square foot concrete approach slab at the head of the boat ramp: Complete by 08/2020*
- *Install 5-feet by 11-feet aluminum compliant ramp connected to the existing floating dock that is adjacent to the boat ramp: Complete by 09/2020*

Goal 1: Design and Permitting for Dredging (Previous Application FWC Agreement No. 21103)

Tasks:

Acquire additional Geotechnical Data: Complete by 4/2023

Respond to Permitting Agency Requests for Additional Information: Complete by 5/2023

Receive Permits: Complete by 7/2023

Prepare Final Design Plans and Specifications for Bidding: Complete by 7/2023

Goal 2: Construction of Dredging

Tasks:

Pre Bid Meeting: 8/2023

Bidding: 9/2023

Evaluation of Bids and Award: 10/2023

Begin Construction: 10/2023

Construction Closeout: 12/2023

**VIII – BUDGET**

<b>Budget Category</b>	<b>FBIP Request</b>	<b>Cost Share</b>	<b>Total (FBIP + Cost Share)</b>
Administration (Project Management)	\$	\$	\$
Contracted Services	\$	\$	\$
Permitting & Project Inspection Fees	\$	\$	\$
Site Preparation	\$	\$	\$
Demolition and Removal	\$	\$	\$
Construction	<b>\$765,000</b>	<b>\$see note 1</b>	<b>\$765,000</b>
Equipment (Rental or In-Kind Use)	\$	\$	\$
Contingency Costs	\$	\$	\$
Other Costs	\$	\$	\$
Pre-Award Costs	\$	\$	\$
<b>TOTAL BUDGET:</b>	<b>\$765,000</b>	<b>\$</b>	<b>\$765,000</b>

1. Levy County is a REDI community and not required to provide matching funds.

**Cost Share Breakout**

Grantee/Applicant Share: Non-cash/in-kind and cash funds	\$
Partnerships (Other sources of funds): Public and private partners	\$
FBIP Grant Request:	<b>\$765000</b>

**Partnership Details**

Funding Source/Agency:
Type of Funding (Federal grant; State grant; Federal loan; State loan):
Grant Name:
Amount Awarded/Applied: \$
Approval Status (Approved, Pending, Date Intend to Apply):
Funding Source/Agency:
Type of Funding (Federal grant; State grant; Federal loan; State loan):
Grant Name:
Amount Awarded/Applied: \$
Approval Status (Approved, Pending, Date Intend to Apply):

## IX – BUDGET NARRATIVE

**Cost Estimate:** The Applicant is required to provide a schedule of values in the form of a formal bid, written quote from proposed vendor, or an engineer's cost estimate, or in the alternative, may provide a detailed explanation of how the budget was developed. Please attach to this application.

**Budget Narrative:** Responding to the budget narrative questions below, the Applicant is required to provide more budget detail on how they estimated the budget in narrative form. If any of the questions are not applicable, put N/A.

**Budget Category Cost Justification:** The Applicant must explain all requested budget items/costs listed in the proposed project budget completed in this application. Demonstrate a clear connection between costs and the proposed project activities by providing a brief description of activities, including the estimated number of billable units and rate(s), for each budget category.

Administration:

Contracted Services:

Permitting & Project Inspection Fees:

Site Work:

Demolition & Removal:

Construction: See attached Engineer's Opinion of Probable Construction Cost and Supporting Info

Equipment:

Contingency Costs:

Other Costs:

**Pre-Award Costs:** Pre-award costs occur prior to the Application being submitted. The Applicant may submit for reimbursement of the costs of design and engineering costs (site surveys, working drawings, construction plans, cost estimates, technical feasibility studies, etc.) and costs for tests, surveys, and application preparation required for permitting as part of the grant Application. In order to be granted pre-award costs, the Applicant must provide an explanation as to why it was necessary to incur these costs prior to the grant Application submission.

N/A

**Proration (if applicable):** The Applicant must prorate costs for facilities that will benefit non-boating users sharing landside facilities such as restrooms, etc.

N/A

**After Project Completion User Fees (if applicable):** Describe the amount and frequency of proposed fees that will be charged to boaters for the use of the funded infrastructure after construction is complete and the Agreement ends or has been terminated. Fees charged must be comparable to those charged regionally. The collected fees must be used for operation and maintenance of the funded infrastructure for its useable life.

N/A

<b>X – APPLICATION COMPLETION CHECKLIST</b>	
<input checked="" type="checkbox"/>	<b>Cover Letter:</b> One (1) application transmittal cover letter (identify priority rank with multiple applications).
<input checked="" type="checkbox"/>	<b>Application:</b> Three (3) applications. One <b>MUST</b> have original signature from authorized individual.
<input checked="" type="checkbox"/>	<b>Electronic Copy on CD:</b> One (1) application with attachments on a CD.
<b>- - Required Attachments - -</b>	
<input checked="" type="checkbox"/>	<b>Authorization:</b> An adopted resolution or other authorization, by the Governing Body, authorizing the individual signing the Application the authority to apply for the grant and authorizing the project manager to administer the grant on behalf of the Applicant. If the Applicant is applying on behalf of another public entity, then an MOU between the Applicant and the public entity must also be submitted.
<input checked="" type="checkbox"/>	<b>Site Control Documentation:</b> Site control documentation for the upland portion of project site (e.g. deed, lease, results of title search, etc.)
<input checked="" type="checkbox"/>	<b>Boundary Map:</b> Map indicating boundary of the project area being dedicated for public use.
<input checked="" type="checkbox"/>	<b>Existing Condition Photographs:</b> Sufficient photos to depict the physical characteristics of the project area.
<input checked="" type="checkbox"/>	<b>Detailed Cost Estimate:</b> Cost estimate in the form of a formal bid, written quote from proposed vendor or an engineer's cost estimate, or in the alternative, a detailed explanation of how the budget was developed.
<input checked="" type="checkbox"/>	<b>Navigational Chart:</b> If available, submit an 8.5" x 11" photocopy of a current NOAA North American Datum 83 nautical chart (provide the NOAA chart name and number) indicating the precise location of the project site.
<input checked="" type="checkbox"/>	<b>Permits:</b> Photocopies of all necessary project permit(s). If exempt, provide notification of exemption from permitting agency.
<b>- - - Optional Attachments - - -</b>	
<input checked="" type="checkbox"/>	<b>Site Plan:</b> Attach preliminary site plan or conceptual plan (if completed).
<input type="checkbox"/>	<b>Support Letters:</b> Attach letters of known public support.

**APPLICANT SIGNATURE**

Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and, to the best of my knowledge and belief, this information is true, complete, and accurate. I further certify that the Applicant possesses the authority, including the necessary requisite property interests, to undertake the proposed activities.

I also certify that the Applicant's governing body has authorized the Project Manager as the official representative of the Applicant to act in connection with this Application and subsequent project as well as to provide additional information as may be required. By signature below, I represent that the Applicant agrees to comply with all applicable federal, state, and local laws in conjunction with this proposal and resulting project, if approved.

\_\_\_\_\_  
Print/Type Name Individual Signing Application

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

WARNING: "Whoever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his or her official duty shall be guilty of a misdemeanor of the second degree, punishable as provided in s. 775.082 or s. 775.083." § 837.06, Florida Statutes.

NOTE: Instruction and further information regarding this application and the Florida Boating Improvement Program can be found in the Florida Boating Improvement Program Guidelines or by contacting the Program Administrator at: Florida Fish and Wildlife Conservation Commission, Florida Boating Improvement Program, 620 South Meridian Street, Tallahassee, FL 32399-1600; or call (850) 488-5600; or email fbip@MyFWC.com.

## **Authorization**

## **Support Letters**





# United States Department of the Interior


## U.S. FISH AND WILDLIFE SERVICE

Lower Suwannee & Cedar Keys National Wildlife Refuges  
16450 NW 31<sup>st</sup> Place, Chiefland, Florida 32626  
Telephone 352.493.0238 Extension 224  
Mobile 703.622.3896



DATE: 29 March 2021

TO: Mr. Matt Weldon, Director Levy County Parks and Recreation  
620 North Hathaway Avenue, Bronson, Florida 32621

FROM: Andrew G. Gude, Refuge Manager 

RE: Support Letter for Levy County's Application for a Florida Boating Improvement Grant for the Shellmound County Campground Boat Ramp

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The Lower Suwannee and Cedar Keys National Wildlife Refuges are offering this letter of support for the grant proposal being submitted by our close partners, the Levy County Board of County Commissioners, to dredge the Shellmound County Campground Boat Ramp channel. The Lower Suwannee National Wildlife Refuge and the Shellmound County Campground and Boat Ramp are located as neighbors and receive well over 100,000 visitors each year.

Given our relatively remote location and rural area, the public service provided by the Shellmound County Campground and Boat Ramp is very significant. The Refuge has a very shallow boat ramp that has direct access to the main channel but it only suits paddle craft and can only accommodate smaller vessels within a couple of hours of high tide. Therefore, the County's boat ramp is very important. During this past year of Covid when almost all public lands were closed to entry, the Shellmound County Campground and the Refuge boat ramps were one of a handful of boat ramps open to the public in Levy County. It became incredibly apparent to both Levy County and the National Wildlife Refuge how important these areas were and continue to be, to the public.

The Shellmound County Boat Ramp channel was last maintenance dredged in 1990. Over these 21 years, the vessel access channel has filled in with silt and mud. This situation is such that on lower tides even small, shallow-draft motorboats cannot make the passage. On an average daily low tide and especially during the winter low tides, which are lower than average lows, the channel is impassable unless you are in an airboat.

Given the remoteness of our coastlines, the many hundreds of coastal miles of creeks, rivers, and Gulf of Mexico is it surprising how there are so few public boating and fishing access areas in these natural areas. As public recreation and wildlands managers, the County and Refuge both support reasonable public access to residents and visitors from around the country and the world.

We greatly appreciate the State of Florida's consideration of Levy County's application to propose maintenance dredging the Shellmound County Campground's boat ramp. The many visitors and residents will also be immensely appreciative of this as well.

Thank you for taking the time to consider this letter of support for this important project.



**SENATOR JENNIFER BRADLEY**  
5th District

## THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

**COMMITTEES:**  
Community Affairs, *Chair*  
Agriculture, *Vice Chair*  
Appropriations Subcommittee on Agriculture,  
Environment, and General Government  
Education  
Ethics and Elections  
Judiciary

**SELECT COMMITTEE:**  
Select Committee on Pandemic  
Preparedness and Response

**JOINT COMMITTEES:**  
Joint Legislative Auditing Committee  
Joint Select Committee on Collective Bargaining

April 1, 2021

Florida Fish and Wildlife Conservation Commission  
Boating and Waterways Section  
Attn: FBIP Administrator  
620 South Meridian Street  
Tallahassee, Florida 32399-1600

Dear FBIP Administrator,

I am pleased to provide this letter in support of Levy County's Florida Boating Improvement Program Grant application for the Shell Mound Boat Ramp. This application is for the proposed engineering design and permitting of channel maintenance dredging at the Shell Mound Public Boat Ramp. I respectfully request your consideration of this organization's application for state funding.

The Shell Mound boat ramp is located north of Cedar Key on CR 326 within the Shell Mound Campground which is owned and operated by Levy County. The boat ramp is used by boaters staying at the Campground, as well as by the general public and serves Levy County residents as well as out-of-County and out-of-State visitors alike. The boat ramp is located within the Lower Suwannee National Wildlife Refuge and borders the Cedar Key Scrub State Reserve.

This application is the first phase of a planned multi-year project and includes the planning, engineering and permitting. The project consists of maintenance dredging of the channel that leads from the boat ramp to the Suwannee Sound and the Gulf of Mexico. The last time that this area was dredged was in 1990.

Again, I encourage your consideration of this worthy cause. If I can be of further assistance in this matter, please do not hesitate to contact me at the address below.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer Bradley".

Jennifer Bradley

**REPLY TO:**

- 1279 Kingsley Avenue, Kingsley Center, Suite 117, Orange Park, Florida 32073 (904) 278-2085
- 324 Senate Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5005

Senate's Website: [www.flsenate.gov](http://www.flsenate.gov)

**WILTON SIMPSON**  
President of the Senate

**AARON BEAN**  
President Pro Tempore



Institute of Food and Agricultural Sciences  
Extension / Florida Sea Grant  
Shellfish Aquaculture Extension Program

Senator George Kirkpatrick Marine Lab  
11350 SW 153<sup>rd</sup> Court, Cedar Key, FL 32625  
Phone: 352.543.5057 Email: Lnst@ufl.edu

March 31, 2021

Commissioner Lilly Rooks  
Levy County Board of County Commissioners  
310 School Road  
Bronson, FL 32621

Dear Commissioner Lilly Rooks,

I am writing this letter in endorsement of the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase both commercial and recreational use of our coastal resources. Further, it will provide access to shellfish aquaculture lease areas located nearby, an important industry in the county. I strongly support the County's application for grant funds to make the necessary improvements, which will be beneficial to the user groups identified.

Sincerely,

A handwritten signature in blue ink that reads 'Leslie Sturmer'.

Leslie Sturmer  
Shellfish Aquaculture Extension Specialist

March 26, 2021

Dear Commissioner Lilly Rooks,

I am delighted to write this letter of support for the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

Charles Paddock  
67 Hemlock Tern.  
Ocala FL 34412  
352 261 1310

March 26, 2021

Dear Commissioner Lilly Rooks,

I am delighted to write this letter of support for the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

Miles G. Murray II  
8170 W Miss Maggie Dr.  
Homosassa, Fl. 34448  
352-948-6469

March 26, 2021

Dear Commissioner Lilly Rooks,

I am delighted to write this letter of support for the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

Gamie Huoto

6151 NW 92 PL  
Chiefland, FL 32626  
352-949-0464

March 26, 2021

Dear Commissioner Lilly Rooks,

I am delighted to write this letter of support for the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

David & Kristi Coulter  
PO Box 1903  
Chiefland Fl 32044  
352-221-1141

March 26, 2021

Dear Commissioner Lilly Rooks,

I am delighted to write this letter of support for the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

*Michele Weiss*  
*Michele Weiss*

*6500 SE 190th Ave  
Ocklawaha FL 32179  
352-286-1174*



March 26, 2021

Dear Commissioner Lilly Rooks,

I am delighted to write this letter of support for the Florida Boating Improvement Program (FBIP) Grant Application that is being submitted by the Levy County Board of County Commissioners, for the dredging of the Shell Mound Boat Ramp.

The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

Robert Kelley  
126 SW Turkey Creek  
Fort White, FL 32038

Robert Kelley

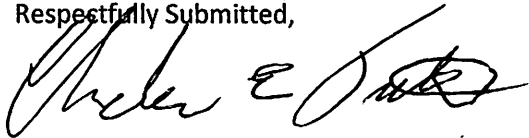
March 26, 2021

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The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,



CHARLES E. TUTTLE  
1595 NW 120<sup>th</sup> Ave  
Ocala, FL 34489

# **Site Control Documentation**

DEED

THIS INDENTURE, Made and entered into this 10th day of June, A. D. 1957, by and between M. D. ANDREWS and MABEL ANDREWS, his wife, of Levy County, Florida, and H. C. BRENT, JR. and ELSIE M. BRENT, his wife, of Leon County, Florida, Parties of the first Part, and BOARD OF COUNTY COMMISSIONERS of Levy County, a political subdivision of the State of Florida, Party of the second Part,

WITNESSETH

That the said parties of the first part, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other good and valuable considerations to them in hand paid by the party of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold and conveyed, and by these presents do hereby grant, bargain, sell and convey unto the said party of the second part and its successors forever, upon the condition hereinafter mentioned, all the following described land, situate, lying and being in Levy County, Florida, to-wit:

A parcel of land in the NW 1/4 of NE 1/4 and NE 1/4 NW 1/4 of Section 1, Township 15 South, Range 12 East, described as follows: Commencing on the North line of said Section 1 at a point 353.18 feet west from the Northeast corner, thence run thence South 50 degrees 02 minutes 27 seconds West 382.06 feet to the beginning of a curve concave to the Northwest, having a radius of 286.79 feet, run thence Southwesterly 216.84 feet along said curve through a central angle of 18 degrees 20 minutes 20 seconds to the end of curve, run thence South 68 degrees 23 minutes 04 seconds West 903.69 feet, thence run North 21 degrees 36 minutes 56 seconds West 50 feet to the Point of Beginning, run thence South 68 degrees 23 minutes 04 seconds West 500 feet, thence North 21 degrees 36 minutes 56 seconds West 850 feet, thence North 68 degrees 23 minutes 04 seconds East 500 feet, thence South 21 degrees 36 minutes 56 seconds East 850 feet to the point of beginning, containing 9.76 acres, more or less.

TO HAVE AND TO HOLD, all and singular the above premises together with the appurtenances, unto the said party of the second part and its successors forever, so long as the same shall be used for public park purposes; and when no longer so used, the above described property shall revert to and become the property of the





**Summary**

Parcel ID 0005900000  
 Location Address 17650 SW 78 PL  
 CEDAR KEY 32625-  
 Neighborhood 0000 (0)  
 Legal Description\* 01-15-12 0009.80 ACRES TRACT IN N1/2 DB 65 PAGE 214  
 \*The legal description shown here may be condensed, a full legal description should be obtained from a recorded deed for legal purposes.  
 Property Use Code COUNTY (8600)  
 Subdivision N/A  
 Sec/Twp/Rng 01-15-12  
 Tax District SUWANNEE RIVER WT (District SR)  
 Millage Rate 15.6225  
 Acreage 9.800  
 Homestead N  
 Ag Classification No

[View Map](#)

**Owner**

Owner Name [Levy Bocc](#) 100%  
 Boat Slip-Shell Mound 0%  
 Mailing Address PO DRAWER 310  
 BRONSON, FL 32621

**Valuation**

	2021 Preliminary Value Summary
Building Value	\$0
Extra Features Value	\$0
Market Land Value	\$343,000
Ag Land Value	\$343,000
Just (Market) Value	\$343,000
Assessed Value	\$343,000
Exempt Value	\$343,000
Taxable Value	\$0
Cap Differential	\$0
Previous Year Value	\$343,000

**Exemptions**

Homestead  2nd Homestead  Widow/er  Disability  Seniors  Veterans  Other

**Land Line**

Use Description	Front	Depth	Total Land Units	Unit Type	Land Value
COUNTY	0	0	9.8	AC	\$343,000

Map



No data available for the following modules: Building Information, Extra Features, Sales, Building Sketch, Photos.

Levy County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation.

[User Privacy Policy](#)  
[GDPR Privacy Notice](#)

Last Data Upload: 3/15/2021, 7:27:34 PM

Developed by  
 Schneider  
GEOSPATIAL

Version 2.3.112

## **Boundary Map**

Aerial photography from Esri.

↑  
To Suwanee:  
~10 mi By Boat

To Cedar Key:  
~8 mi By Boat  
↓

Project Location:  
Shell Mound Camp-  
ground Boat Ramp

CR-326

CR-347

SR-24

Cedar Key

## Shell Mound Boat Ramp

Levy County, FL

PROJ NO:

T15896

DATE:

3/19/2021

**WRIGHT-PIERCE**   
Engineering a Better Environment

FIGURE:

2



0 0.5 1 2  
Miles



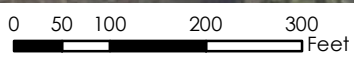
Aerial photography from Esri.

Dredging Area

Contractor Hauling and Dewatering Area

Project Location:  
Shell Mound Camp-  
ground Boat Ramp

CR-326



## Shell Mound Boat Ramp

Levy County, FL

PROJ NO:

T15896

DATE:

3/12/2021

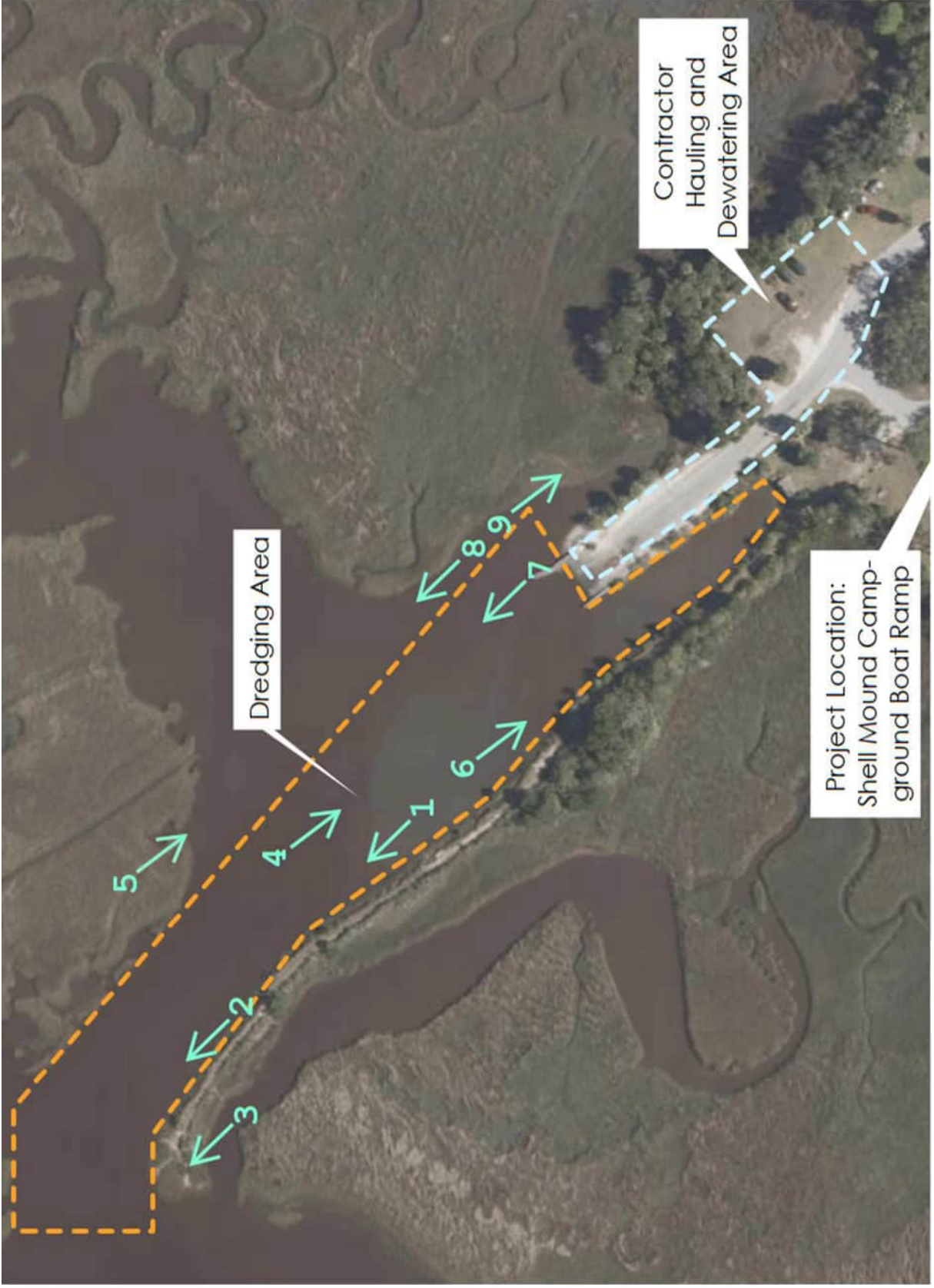
**WRIGHT-PIERCE**   
Engineering a Better Environment

FIGURE:

**3**

## **Existing Conditions Photos**

PHOTO LOCATION KEY



PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 1 – LOOKING NORTHWEST TOWARD MOUTH OF CHANNEL. SEDIMENT LEVELS UP TO 4 FEET DEEP MAKE CHANNEL IMPASSABLE.

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 2 – LOOKING NORTHWEST AT MOUTH OF CHANNEL.  
NEXT HIGH TIDE IS 5 HOURS AWAY.

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 3 – MOUTH OF CHANNEL AND SUWANNEE SOUND

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 4 – LOOKING SOUTHEAST TOWARD BOAT RAMP. NO DEFINABLE BOAT CHANNEL DUE TO SEDIMENT BUILDUP SINCE LAST DREDGING IN 1990.

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 5 – LOOKING SOUTH TOWARD RAMP AND CAMPGROUND. CHANNEL IS COMPLETELY FILLED WITH SEDIMENT AND UNUSABLE FOR BOATERS.



PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 6 – CLOSE UP OF BOAT RAMP LOOKING SOUTHEAST. BOAT RAMP  
CAN ONLY BE USED BY AIRBOATS EXCEPT AT HIGH TIDE.

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 7 – LOOKING NORTHEAST FROM BOAT RAMP DOCK.

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 8 – LOOKING NORTH AT WHERE THE MAIN CHANNEL SHOULD BE.

PHOTOS TAKEN ON FRIDAY 3/12/2021 AT 7:30 AM - LOW TIDE -0.3 FT



PHOTO 9 – LOOKING SOUTHEAST AT AREA TO LEFT OF BOAT RAMP

## **Cost Estimate**

Shell Mound Boat Ramp Improvements  
 Engineer's Opinion of Probable Construction Cost - 60% Design  
 Date: 8/25/2022  
 Prepared By: Mike Hoffman  
 Checked By:



<b>SHELL MOUND BOAT RAMP IMPROVEMENTS</b>					
<b>LEVY COUNTY</b>					
<b>BASE BID</b>					
<i>Item No.</i>	<i>Item Description</i>	<i>Quantity</i>	<i>Units</i>	<i>Unit Cost</i>	<i>Total Cost</i>
	SEDIMENT BARRIER	510	LF	\$5.00	\$2,550
	FLOATING TURBIDITY BARRIER	1400	LF	\$20.00	\$28,000
	SOIL TRACKING PREVENTION DEVICE	1	EA	\$5,000.00	\$5,000
	CLEARING AND GRUBBING	1.0	LS	\$5,000.00	\$5,000
	HYDRAULIC DREDGING	4400	CY	\$40.00	\$176,000
	DEWATERING OF DREDGED MATERIAL	1	LS	\$60,000.00	\$60,000
	DISPOSAL OF DREDGED MATERIAL	4000	TON	\$65.00	\$260,000
	PERFORMANCE TURF, SOD	2500	SY	\$5.00	\$12,500
	REMOVE AND REPLACE SERVICE CONNECTIONS (W/WW/ELEC)	1	LS	\$5,000.00	\$5,000
<b>SUB-TOTAL</b>					<b>\$554,050</b>
	MOBILIZATION/DEMobilIZATION	1	LS	10%	\$55,405
	TRAFFIC CONTROL	1	LS	5%	\$27,703
<b>TOTAL</b>					<b>\$637,158</b>
<b>COST RANGE:</b>			<b>\$541,600</b>	<b>TO</b>	<b>\$764,600</b>

Cost Range is based on Estimate Class 2 from ASTM E2516 (-15% to +20%)

# **Navigational Chart**

NOAA RNC 11408.

to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

**HORIZONTAL DATUM**

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.882" northward and 0.585" eastward to agree with this chart.

**NOTE E**

The day/beacons are private. The controlling depth for Alligator (West) Pass is 2 feet from light "2" to daybeacon "30".

Jan-Feb 1994

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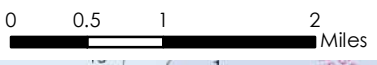
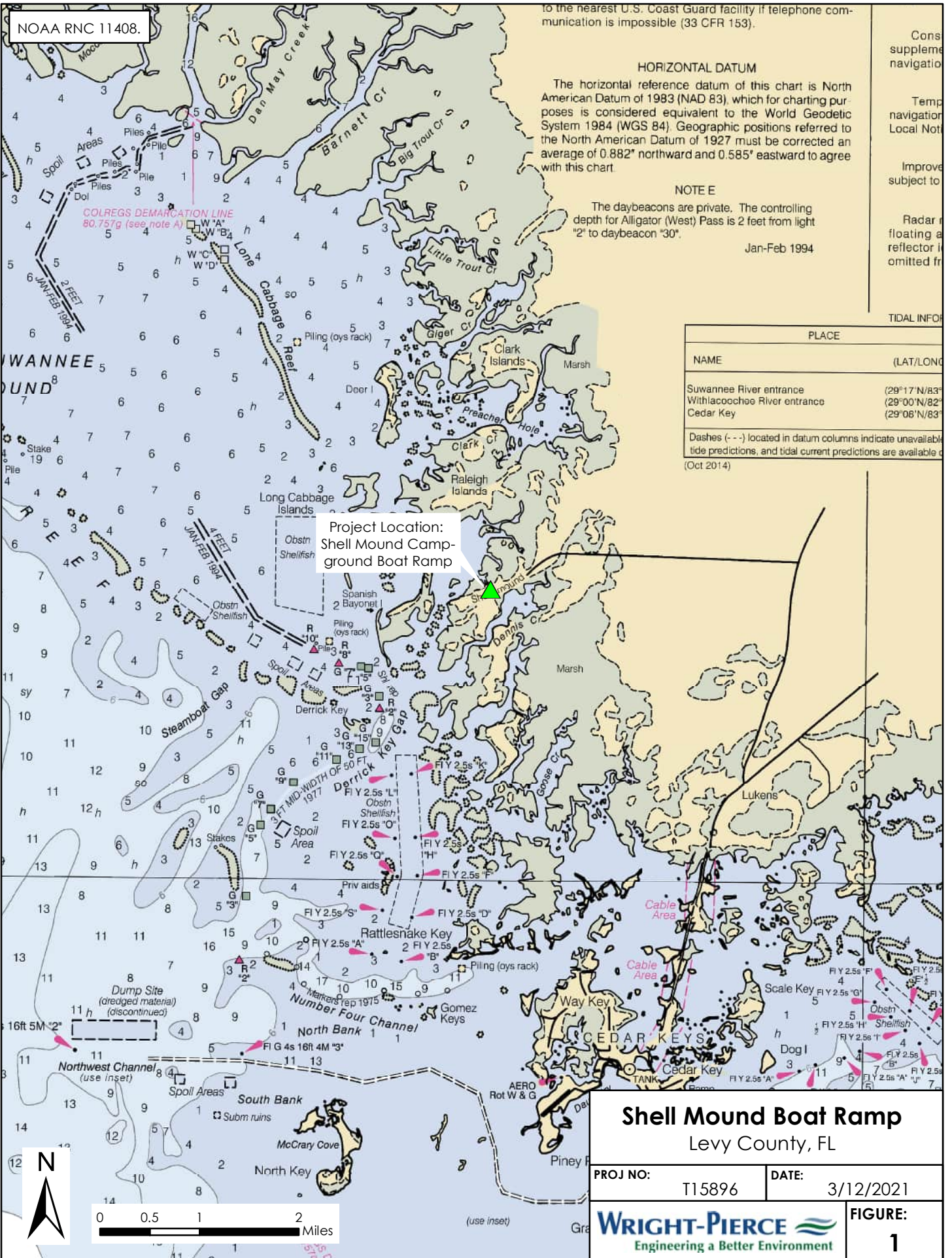
TIDAL INFOR

PLACE	
NAME	(LAT/LONG)
Suwannee River entrance	(29°17' N/83°
Withlacoochee River entrance	(29°00' N/82°
Cedar Key	(29°08' N/83°

Dashes ( - - ) located in datum columns indicate unavailable tide predictions, and tidal current predictions are available (Oct 2014)

Project Location:  
Shell Mound Camp-  
ground Boat Ramp

JMN w:\GIS\_Development\Projects\FL\LevyCounty\T15896\_ShellMoundBoatRamp\MXDs\Projlocation\_NOAA-Chart.mxd



**Shell Mound Boat Ramp**  
Levy County, FL

PROJ NO: T15896      DATE: 3/12/2021

**WRIGHT-PIERCE**  
Engineering a Better Environment

FIGURE:  
**1**



## **Permits**



DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
P. O. BOX 4970  
JACKSONVILLE, FLORIDA 32232-0019

May 15, 1990

Jerry Ward

REPLY TO  
ATTENTION OF  
REGULATORY SECTION  
90LP(4)-0022

Levy County Board of County Commissioners  
c/o H. Lee Mills, P.E., County Engineer  
Post Office Box 778  
Bronson, Florida 32621

Gentlemen:

This is in reference to your request for a permit to perform work in or affecting navigable waters of the United States. Upon recommendation of the Chief of Engineers, pursuant to Section 10 of the River and Harbor Act of 3 March 1899 (33 U.S.C. 403), you are authorized

to dredge 3,300 cubic yards of silt and sand

in access channel at Shell Mound Park on the Gulf of Mexico

at Section 1, Township 15 South, Range 12 East, Levy County, Florida

in accordance with the enclosed plans and conditions which are incorporated in, and made a part of, the permit.

Enclosed is a Notice of Authorization which should be displayed at the construction site. When you begin work, you must notify the District Engineer's representative, at the appropriate Area Office as shown on the enclosed map, of:

1. The date of commencement of work (within five (5) days),
2. The dates of work suspensions and resumptions if work is suspended over a week, and
3. The date of final completions.

Area Engineer addresses and telephone numbers are shown on the enclosed map.

If the work authorized is not completed on or before May 15, 1995 this authorization, if not previously revoked or specifically extended, shall cease and be null and void.

SAJ-FL 109(JACKSONVILLE)  
15 SEP 81

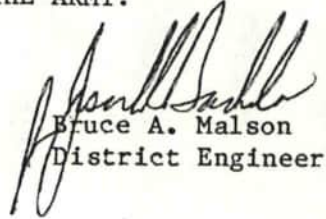
REGULATORY SECTION (90LP(4)0022)

SUBJECT: Preliminary Determination on the Need for an EIS on Above Numbered Permit Application

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

3 Encl

1. Notice of Authorization
2. Plans and Conditions
3. Area Office Map



Bruce A. Malson  
District Engineer



**This notice of authorization must be  
conspicuously displayed at the site of work.**

United States Army Corps of Engineers

May 15 19 90

A permit to dredge 3,300 cubic yards of silt and sand

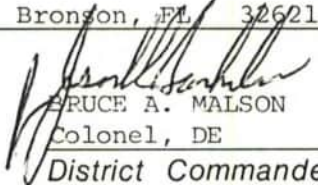
at an access channel at Shell Mound Park on the Gulf of Mexico, Section  
1, Township 15 S, Range 12 E, Levy County, Florida

has been issued to Levy County Board of Cty Com ON 15 May 19 90

Address of Permittee Post Office Box 310, Bronson, FL 32621

Permit Number

90LP(4)0022

  
BRUCE A. MALSON  
Colonel, DE  
District Commander

## 10. REMARKS

The Levy County Board of County Commissioners is proposing the maintenance dredging of the access channel at the Shell Mound Park. This park, owned by the Board since 1957, is located off Levy County Road No. 326 in Section 1, Township 15 South, Range 12 East. The site contains 9.76 acres, more or less.

The Shell Mound Park does not provide facilities for handling of gas, oil, electricity, sewage wastes, or hazardous materials from the boating area. Restroom facilities are provided in the upland area.

The Shell Mound Park provides a boat ramp for access to the Gulf of Mexico via an approximately 600 linear feet channel. The channel periodically requires dredging to maintain adequate water depth to provide service during low tide. The channel was last dredged in 1978 under Department of Environmental Regulation Permit No. 38-21-0874-2E and Corp of Engineer's Permit No. 77U-1635. The proposed dredging will return the channel to approximately the same condition as permitted previously.

The material to be dredged is comprised of sand with a high silt content. A dragline will be utilized to perform the proposed dredging. The dragline will be operated from the shell-base road which parallels the canal. The dredged material will be disposed of at the upland disposal area as shown on the plans or at other upland areas under the control of the Board. The dredged material will be hauled to the disposal area via County dump trucks.

The disposal area consists of a bermed area on the upland areas of the Park. The dredged material will be placed in the bermed area to drain the remaining water. An overflow outlet will be provided to discharge water. The outlet end of the pipe will be placed in the upland area and protected from erosion.

Water quality control measures shall be implemented during dredging operations to assure that areas outside of the project area are not affected. These measures shall include the use of silt barriers or other suitable measures placed along the perimeter of the dredging area. These shall remain in place until the water quality of the project area meets the water quality requirements of the State.

DEED

THIS INDENTURE, Made and entered into this 10th day of June, A. D. 1957, by and between M. D. ANDREWS and MABEL ANDREWS, his wife, of Levy County, Florida, and H. C. BRENT, JR. and ELSIE M. BRENT, his wife, of Leon County, Florida, Parties of the first Part, and BOARD OF COUNTY COMMISSIONERS of Levy County, a political subdivision of the State of Florida, Party of the Second Part,

WITNESSETH

That the said parties of the first part, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other good and valuable considerations to them in hand paid by the party of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold and conveyed, and by these presents do hereby grant, bargain, sell and convey unto the said party of the second part and its successors forever, upon the condition hereinafter mentioned, all the following described land, situate, lying and being in Levy County, Florida, to-wit:

A parcel of land in the NW 1/4 of NE 1/4 and NE 1/4 NW 1/4 of Section 1, Township 15 South, Range 12 East, described as follows: Commencing on the North line of said Section 1 at a point 353.18 feet west from the Northeast corner, thence run thence South 50 degrees 02 minutes 27 seconds West 382.06 feet to the beginning of a curve concave to the Northwest, having a radius of 286.79 feet, run thence Southwesterly 216.84 feet along said curve through a central angle of 18 degrees 20 minutes 20 seconds to the end of curve, run thence South 68 degrees 23 minutes 04 seconds West 903.69 feet, thence run North 21 degrees 36 minutes 36 seconds West 50 feet to the Point of Beginning, run thence South 68 degrees 23 minutes 04 seconds West 500 feet, thence North 21 degrees 36 minutes 36 seconds West 850 feet, thence North 68 degrees 23 minutes 04 seconds East 500 feet, thence South 21 degrees 36 minutes 36 seconds East 850 feet to the point of beginning, containing 9.76 acres, more or less.

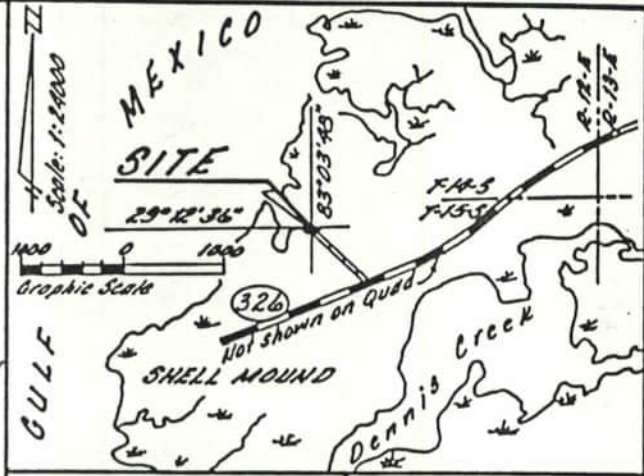
TO HAVE AND TO HOLD, all and singular the above premises together with the appurtenances, unto the said party of the second part and its successors forever, so long as the same shall be used for public park purposes; and when no longer so used, the above described property shall revert to and become the property of the



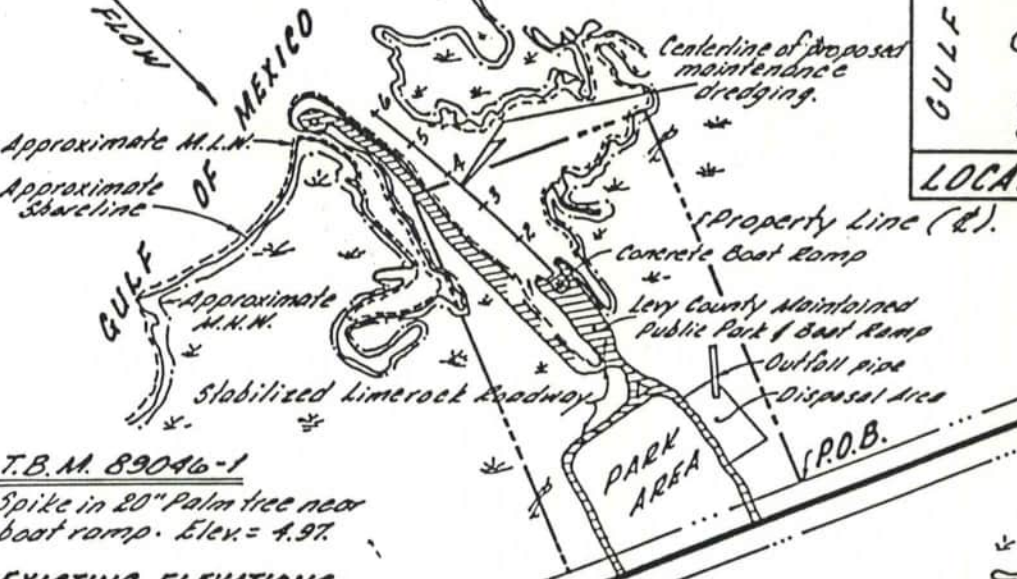
M.S.L.P



TYPICAL CHANNEL SECTION  
No Scale



LOCATION MAP  
U.S.C.G.S. QUAD  
CSDAP X51, FLA.



T.B.M. 89046-1  
Spike in 20" Palm tree near  
boat ramp. Elev. = 4.97.

**EXISTING ELEVATIONS**

Sta. #	Elev
1	-0.6
2	-3.2
3	-0.7
4	-0.9
5	-1.8
6	-1.9

Erosion protection  
shall be provided as  
required.

Filtration through marsh  
vegetation.

**NOTES:**

1. Datum is NGVD being based on USC&G Bench Mark "AK30 Reset 1966," having an Elevation of 10.09 NGVD.
2. Mean High Water: 1.75; Mean Low Water: -1.03; Mean Sea Level: 0.36 (Cedar Key Data).
3. No facilities for handling gas, oil, electricity, sewage wastes or hazardous materials are provided for boating. Restrooms available.
4. See SECTION 10: Remarks of application for additional information on project requirements.

**PURPOSE:** Maintenance dredging of approximately 600' of channel. Approximately 3300 cubic yards of sand-silt material to be dredged. The dredged material shall be deposited and retained at approved upland site.

*H. Lee Mills*  
2/21/90

**PROPOSED DREDGING**

**IN:** Gulf of Mexico

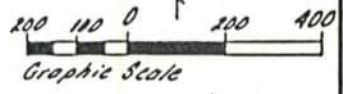
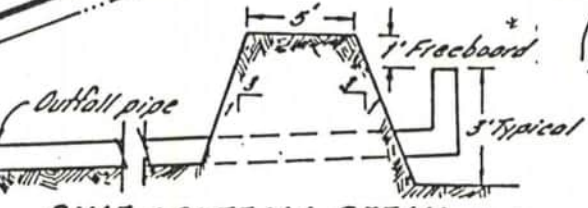
**AT:** Shell Mound Levy County  
Boat Ramp & Park  
Sec. 1; T-15-5, R-12-E.

**APPLICANT:** Levy County Board  
of County Commissioners

**AGENT:** H. Lee Mills, P.E.  
MILLS ENGINEERING CO.

Sheet 1 of 1 sheets  
Date: Jan. 6, 1990

**DIKE & OUTFALL DETAIL M.T.S.**



1. GENERAL CONDITIONS:

a. That all activities identified and authorized herein shall be consistent with the terms and conditions of this permit; and that any activities not specifically identified and authorized herein shall constitute a violation of the terms and conditions of this permit which may result in the modification, suspension, or revocation of this permit, in whole or in part, as set forth more specifically in General Conditions j or k hereto, and in the institution of such legal proceedings as the United States Government may consider appropriate, whether or not this permit has been previously modified, suspended or revoked in whole or in part.

b. That all activities authorized herein shall, if they involve a discharge or deposit into navigable waters or ocean waters, be at all times consistent with applicable water quality standards, effluent to Sections 301, 302, 306, and 307 of the Federal Water Pollution Control Act of 1972 (P.L. 92-500; 86 Stat. 816) or pursuant to applicable State and local law.

c. That when the activity authorized herein involves a discharge or deposit or dredged or fill material into navigable waters, the authorized activity shall, in applicable water quality standards are revised or modified during the term of this permit, be modified if necessary, to conform with such revised or modified water quality standards within six months of the effective date of any revision or modification of water quality standards, or as directed by an implementation plan contained in such revised or modified standards, or within such longer period of time as the District Engineer, in consultation with the Regional Administrator of the Environmental Protection Agency, may determine to be reasonable under the circumstances.

d. That the permittee agrees to make every reasonable effort to prosecute the construction or work authorized herein in a manner so as to minimize any adverse impact of the construction or work on fish, wildlife, and natural environmental values.

e. That the permittee(s) agrees to prosecute the construction or work authorized herein in a manner so as to minimize any degradation of water quality.

f. That the permittee shall permit the District Engineer on his authorized representative(s) or designee(s) to make periodic inspections at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.



g. That the permittee shall maintain the structure or work authorized herein in good condition and in accordance with the plans and drawings attached hereto.

h. That this permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and that it does not authorize any injury to property or invasion of rights or any infringement of Federal, State or local laws or regulations, nor does it obviate the requirement to obtain State or local assent required by law for the activity authorized herein.

i. That this permit does not authorize the interference with any existing or proposed Federal project and that the permittee shall not be entitled to compensation for damage or injury to the structures on work authorized herein which may be caused by or result from existing or future operations undertaken by the United States in the public interest.

j. That this permit may be summarily suspended, in whole or in part, upon a finding by the District Engineer that immediate suspension of the activity authorized herein would be in the general public interest. Such suspension shall be effective upon receipt by the permittee of a written notice thereof which shall indicate (1) the extent of the suspension, (2) the reasons for action, and (3) any corrective or preventive measures to be taken by the permittee which are deemed necessary by the District Engineer to abate imminent hazards to the general public interest. The permittee shall take immediate action to comply with the provisions of this notice. Within 10 days following receipt of this notice of suspension, the permittee may request a hearing in order to present information relevant to a decision as to whether his permit should be reinstated, modified or revoked. If a hearing is requested, it shall be conducted pursuant to procedures prescribed by the Chief of Engineers. After completion of the hearing or within a reasonable time after issuance of the suspension notice to the permittee if no hearing is requested, the permit will either be reinstated, modified or revoked.

k. That this permit may be either modified, suspended or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest. Any such modification, suspension, or revocation shall become effective 30 days after receipt by the permittee of written notice of such action which shall specify the facts or conduct warranting same unless (1) within the 30 day period the permittee is able to satisfactorily demonstrate that (a) the alleged violation of the terms and the conditions of this permit did not, in fact, occur or (b) the alleged violation was accidental, and the permittee

has been operating in compliance with the terms and conditions of the permit and is able to provide satisfactory assurances that future operations shall be in full compliance with the terms and conditions of this permit or (2) within the aforesaid 30-day period, the permittee requests that a Public Hearing be held to present oral and written evidence concerning the proposed modification, suspension or revocation. The conduct of this hearing and the procedures for making a final decision either to modify, suspend or revoke this permit in whole or in part shall be pursuant to procedures prescribed by the Chief of Engineers.

l. That in issuing this permit the Government has relied on the information and data which the permittee has provided in connection with his permit application. If, subsequent to the issuance of this permit, such information and data prove to be false, incomplete or inaccurate, this permit may be modified, suspended or revoked, in whole or in part and/or the Government may in addition, institute appropriate legal proceedings.

m. That any modification, suspension, or revocation of this permit shall not be the basis for any claim for damages against the United States.

n. That the permittee shall notify the District Engineer at what time the activity authorized herein will be commenced (as far in advance of the time of commencement as the District Engineer may specify), and of any suspension of work if for a period of more than one week, of resumption of work, and of completion of work.

o. That if the activity authorized herein is not completed on or before the date indicated on the permit to which these conditions are attached, that permit, if not previously revoked or extended shall automatically expire.

p. That no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized by this permit.

q. That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and signals as may be prescribed by the United States Coast Guard shall be installed and maintained by and at the expense of the permittee.

r. That this permit does not authorize or approve the construction of particular structures, the authorization or approval of which may require authorization by the Congress or other agencies of the Federal Government.

s. That if and when the permittee desires to abandon the activity authorized herein, unless such abandonment is part of a transfer procedure by which the permittee is transferring his

interests herein to a third party pursuant to General Condition v hereof, he must restore the area to a condition satisfactory to the District Engineer.

t. That is the recording of this permit is possible under applicable State or local law, the permittee shall take such action as may be necessary to record this permit with the Registrar of Deeds or other appropriate official charged with the responsibility for maintaining records of title to and interests in real property.

u. That there shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein.

v. That this permit may not be transferred to a third party without prior written notice to the District Engineer, either by the transferee's written agreement to comply with all terms and conditions of this permit or by the transferee subscribing to this permit in the space provided below and hereby agreeing to comply with all terms and conditions of this permit. In addition, if the permittee transfers the interests authorized herein by conveyance of realty, the deed shall reference this permit and the terms and conditions specified herein and this permit shall be recorded along with the deed with the Registrar of Deeds or other appropriate official.

## II. SPECIAL CONDITIONS ARE CHECKED BELOW:

(x) Structures For Small Boats: That permittee hereby recognizes the possibility that the structure permitted herein may be subject to damage by wave wash from passing vessels. The issuance of this permit does not relieve the permittee from taking all proper steps to insure the integrity of the structure permitted herein and the safety of boats moored thereto from damage by wave wash and permittee shall not hold the United States liable for any such damage.

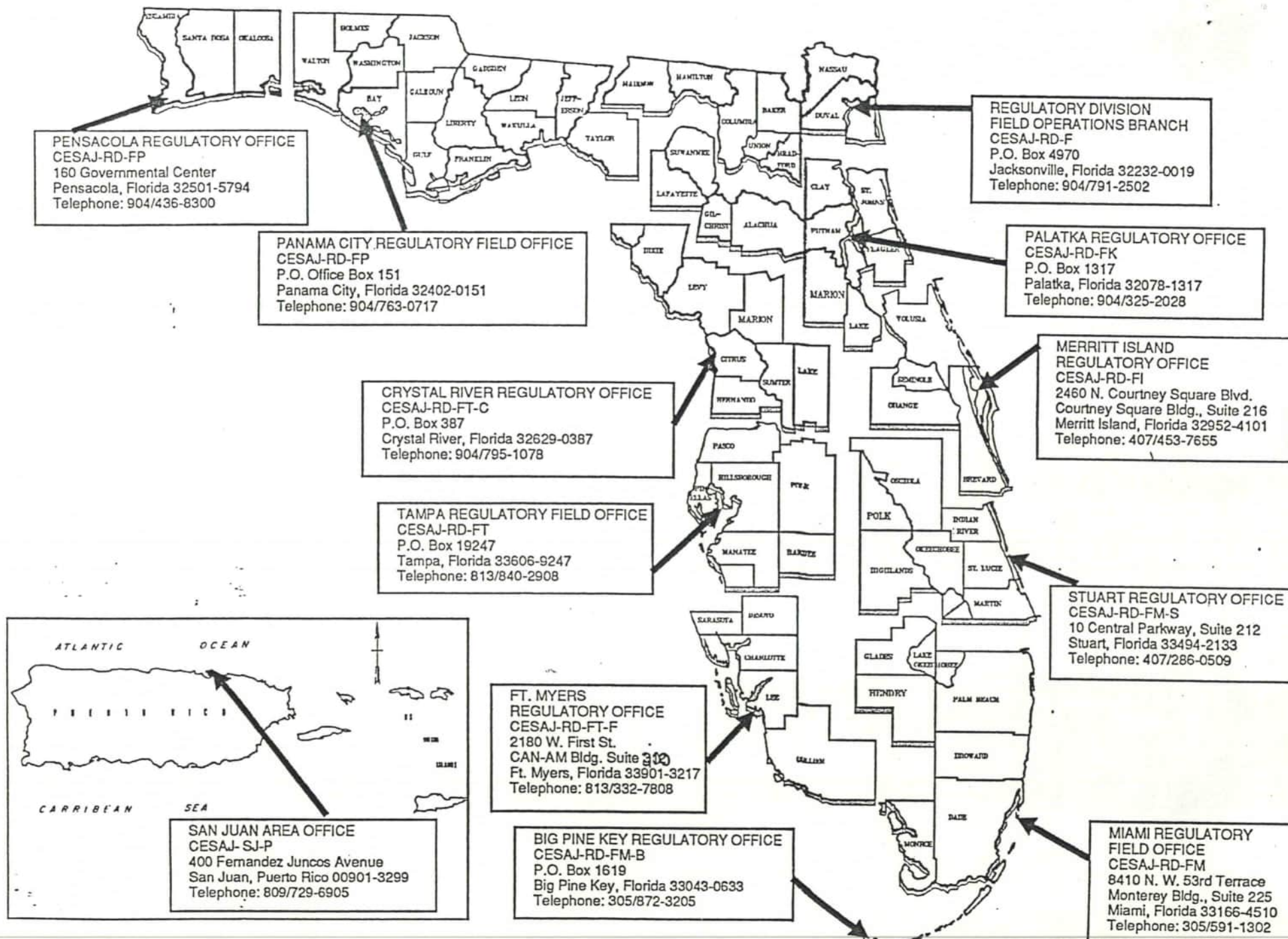
(.) Discharge Of Dredged Material Into Ocean Waters: That the permittee shall place a copy of this permit in a conspicuous place in the vessel to be used for the transportation and/or dumping of the dredged material as authorized herein.

(x) Erection Of Structure In Or Over Navigable Waters: That the permittee, upon receipt of a notice of revocation of this permit or upon its expiration before completion of the authorized structure or work, shall, without expense to the United States and in such time and manner as the Secretary of the Army or his authorized representative may direct, restore the waterway to its former condition. If the permittee fails to comply with the direction of the Secretary of the Army or his authorized representative, the Secretary or his designee may

restore the waterway to its former condition, by contract or otherwise, and recover the cost thereof from the permittee.

( ) Maintenance Dredging: (1) That when the work authorized herein includes periodic maintenance dredging, it may be performed under this permit for \_\_\_\_\_ years from the date of issuance of this permit: and (2) That the permittee will advise the District Engineer in writing at least two weeks before he intends to undertake any maintenance dredging.

# Regulatory Offices - Jacksonville District



STATE OF FLORIDA  
DEPARTMENT OF NATURAL RESOURCES

Marjory Stoneman Douglas Building • 3900 Commonwealth Boulevard • Tallahassee, Florida 32399  
Tom Gardner, Executive Director

May 7, 1990

Mr. H. Lee Mills, P. E.  
County Engineer  
Post Office Box 778  
Bronson, Florida 32621

File No. 381767862  
Applicant: Levy County Board of County Commissioners

Dear Mr. Mills:

Levy County Board of County Commissioners is hereby authorized to proceed with the maintenance dredging of 3,300 cubic yards of sovereignty submerged land as described in the Department of Environmental Regulation's Permit Application No. 381767862, showing the location in Levy County, Section 1, Township 15 South, Range 12 East, Big Bend Seagrasses Aquatic Preserve. This authorization is conditioned upon the following:

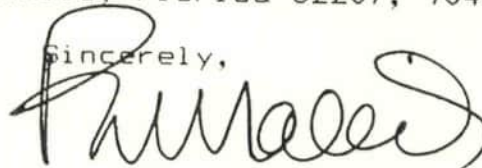
- (1) Compliance with and acceptance of the attached general consent conditions.
- (2) The spoil material will be deposited on the upland public park property.

Please consider this the conditional authority sought under section 253.77, Florida Statutes, to pursue this project.

This letter in no way waives the authority and/or jurisdiction of any governmental entity, nor does it disclaim any title interest that the State may have in this project site.

We appreciate your cooperation. If you have any questions regarding this matter please contact Mr. J. Forrest Watson, Northeast Florida Field Office, 4057 Carmichael Avenue, Pratt Building, Suite 126, Jacksonville, Florida 32207, 904/348-2710.

Sincerely,



Percy W. Mallison, Jr., Director  
Division of State Lands

PWM/fws

cc: Department of Environmental Regulation  
DSL Field Office





TOM GARDNER  
Executive Director

State of Florida  
DEPARTMENT OF NATURAL RESOURCES

Marjory Stoneman Douglas Building  
3900 Commonwealth Boulevard  
Tallahassee, Florida 32399

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF STATE LANDS  
GENERAL CONSENT CONDITIONS

BOB MARTINEZ  
Governor

JIM SMITH  
Secretary of State

BOB BUTTERWORTH  
Attorney General

GERALD LEWIS  
State Comptroller

BILL GUNTER  
State Treasurer

DOYLE CONNER  
Commissioner of Agriculture

BETTY CASTOR  
Commissioner of Education

PLEASE ADDRESS REPLY TO:

Project No. 381767862

1. No activities other than those set forth in the attached letter dated May 7, 1990 are authorized. Any additional activities on state-owned sovereignty submerged lands must receive further consent from the Governor and Cabinet, sitting as the Board of Trustees of the Internal Improvement Trust Fund (hereinafter the "Board") or their properly designated agent.

2. Grantee agrees that all title and interest to all lands lying below the historical mean high water line or ordinary high water line are vested in the Board, and shall make no claim of title or interest in said lands by reason of the occupancy or use thereof.

3. Grantee agrees to use or occupy the subject premises for those purposes specified herein, and Grantee shall not permit the premises or any part thereof to be used or occupied for any other purpose or knowingly permit or suffer any nuisances or illegal operations of any kind on the premises.

4. Grantee agrees to maintain the premises in good condition in the interest of the public health, safety and welfare. The premises are subject to inspection by the Board or its designated agent at any reasonable time.

5. Grantee agrees to indemnify, defend and hold harmless the Board and the State of Florida from all claims, actions, lawsuits and demands arising out of this consent.

6. No failure, or successive failures, on the part of the Board to enforce any provision, waiver or successive waivers on the part of the Board of any provision herein, shall operate as a discharge thereof or render the same inoperative or impair the right of the Board to enforce the same in the event of subsequent breach.

7. Grantee binds itself and its successors and assigns, to abide by the provisions and conditions set forth herein. In the event Grantee fails or refuses to comply with the provisions and conditions of this Consent, the consent of use may be terminated by the Board after written notice to the Grantee. Upon receipt of such notice, the Grantee shall have thirty (30) days in which to correct the violation. Failure to correct the violations within this period shall result in the automatic revocation of this letter of consent.

8. All costs, including attorneys' fees, incurred by the Board in enforcing the terms and conditions of this Consent shall be paid by the Grantee. Grantee agrees to accept service by certified mail of any notice required by Chapter 18-14, Florida Administrative Code, at the address shown on page one of this Agreement and further agrees to notify the Board in writing of any change of address at least ten days before the change becomes effective.

9. Grantee agrees to assume responsibility for all liabilities that accrue to the sovereignty submerged land or to the improvements thereon, including any and all drainage or special assessments or taxes of every kind and description which are now or may be hereafter lawfully assessed and levied against the property during the effective period of this consent.

10. Grantee agrees that any dispute arising from matters relating to this Consent shall be governed by the laws of Florida and initiated only in Leon County, Florida.

11. The Letter of Consent associated with these General Consent Conditions as well as these conditions themselves are subject to modification after 5 years in order to reflect any applicable changes in statutes, rules or policies of the Board or its designated agent.

12. In the event that any part of the structure(s) consented to herein is determined by a final adjudication issued by a court of competent jurisdiction to encroach on or interfere with adjacent riparian rights, Grantee agrees to either obtain written consent for the offending structure from the affected riparian owner or to remove the interference or encroachment within 60 days from the date of the adjudication. Failure to comply shall constitute a material breach of this consent and shall be grounds for its immediate termination.

"Working together to protect Florida's future"





# FLORIDA DEPARTMENT OF Environmental Protection

Northeast District  
8800 Baymeadows Way West, Suite 100  
Jacksonville, Florida 32256

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Shawn Hamilton**  
Secretary

## REQUEST FOR ADDITIONAL INFORMATION

September 23, 2022

Levy County Board of County Commissioners  
C/O Matt Weldon  
Director of Parks and Recreation  
620 N Hathaway Avenue,  
P.O. Box 248, Bronson Florida 32621  
[parksmc@levycounty.org](mailto:parksmc@levycounty.org)

Re: First Request for Additional Information (RAI)  
Levy County – Environmental Resource Permitting Program  
Site Name: Shell Mound Boat Ramp Dredge  
Site ID: 425518  
DEP Application No.: 38-0425518-001 EI

Dear Mr. Weldon:

Thank you for your application for an Individual Permit submitted on August 24, 2022 for the above referenced Site. A review of your application and supporting documentation indicates the application is incomplete. Please provide the information in the attached document and refer to this RAI in your response.

To continue the processing of your application, the Department must receive a response within 90 days of this letter, December 22, 2022, unless a written request for additional time to provide the requested information is submitted and approved. It is the Department's desire to provide prompt turnaround times on permit applications, and a quicker response to this RAI shortens the timeframe for which a final decision on the application can be made. Pursuant to Chapter 62-330, F.A.C. and Section 120.60, F.S., failure of an applicant to provide timely requested information by the applicant deadline may result in denial of the application. You are encouraged to contact this office to discuss the items requested to assist you in developing a complete and adequate response.

Matt Weldon  
Page 2 of 5  
September 23, 2022

Your processor, Mark Marousky can be contacted at 904-256-1662, [Mark.Marousky@floridadep.gov](mailto:Mark.Marousky@floridadep.gov). Please submit your response by email to [DEP\\_NED@floridadep.gov](mailto:DEP_NED@floridadep.gov), with a copy to [Mark.Marousky@floridadep.gov](mailto:Mark.Marousky@floridadep.gov).

Sincerely,



Brian Durden  
Environmental Manager

v. 1.9

**cc:**

Andrew Gude, Refuge Manager, US Fish and Wildlife, [andrew\\_gude@fws.gov](mailto:andrew_gude@fws.gov)

Walter Nickel, Wright-Pierce Company, [walter.nickel@wright-pierce.com](mailto:walter.nickel@wright-pierce.com)

Mike Hoffman, PE, Wright-Pierce, [michael.hoffman@wright-pierce.com](mailto:michael.hoffman@wright-pierce.com)

Thomas Kallemeyn, FDEP NED

Katie Miller, FDEP NED

Kim Mann, FDEP NED

Mark Marousky, FDEP NED

Attached: List of Requested Information

**Attachment: List of Requested Information**

Matt Weldon  
Site Name: Shell Mound Boat Ramp Dredge  
Site ID: 425518  
DEP Application No.: 38-0425518-001 EI

**Your application does not qualify for an SPGP.** Please see the Army Corps Jacksonville District Regulatory Division Sourcebook for more information about federal permitting. Please call your local Corps office if you have questions about federal permitting.

1. Based on analytical data provided, from the pre-dredge sampling, the area of the proposed dredging is contaminated with arsenic. Please provide the results of Elutriate Testing, for arsenic, for the dredged material. Pursuant to Rule 62-302.530, F.A.C and 62-330, F.A.C.
2. Please revise the design of the proposed temporary dredge management area to ensure that the temporary storage and dewatering of the dredge material does not contaminate the soil or groundwater beneath the temporary dredge management area. Consideration for lining the temporary dredge management should be considered. Additionally, please provide a narrative indicating how any discharge from the temporary dredge management area discharge will meet water quality standards of the receiving water body if the results of the elutriate testing indicate that arsenic is a dissolved component of the discharge water. Pursuant to Rule 62-302.530, F.A.C and 62-330, F.A.C., and 62-330.301, F.A.C.,

## Michael Hoffman

---

**From:** Garcia, Edgar W CIV USARMY CESAJ (USA) <Edgar.W.Garcia@usace.army.mil>  
**Sent:** Thursday, January 26, 2023 4:56 PM  
**To:** Michael Hoffman; weldon-matt@levycounty.org  
**Cc:** Cory, Barbara M CIV USARMY CESAJ (USA); Garcia, Edgar W CIV USARMY CESAJ (USA); Garcia, Edgar W CIV USARMY CESAJ (USA)  
**Subject:** Application Re-Assignment Notification – SAJ-2022-02574-EWG (LEVY COUNTY / SHELL MOUND BOAT RAMP IMPROVEMENTS)

Good Day Everyone,


This is to inform that provide efficiencies and workload your application for a Department of the Army Corps of Engineers permit for the project referenced in the above subject line has been re-assigned to Barbara Cory. Please INCLUDE the Subject Line Application Number in all future correspondence for this application.

We request that you allow 10 business days before reaching out to the project manager, copied on this message. You may reach the project manager via email at [barbara.m.cory@usace.army.mil](mailto:barbara.m.cory@usace.army.mil)

Be advised that work performed in waters of the United States and/or the discharge of dredged or fill material into adjacent wetlands without Department of the Army (DA) authorization could subject you to enforcement action. Receipt of a permit from the Florida Department of Environmental Protection, Water Management Districts, and/or other state or local agencies does not obviate the requirement for obtaining DA authorization for the work described above prior to commencing work.

Thank you.

Respectfully,

Edgar W. Garcia  
Senior Project Manager  
Tampa Permits Section  
U.S. Army Corps of Engineers  
Jacksonville District  
Regulatory Division  
: (813) 769-7062 (Office)

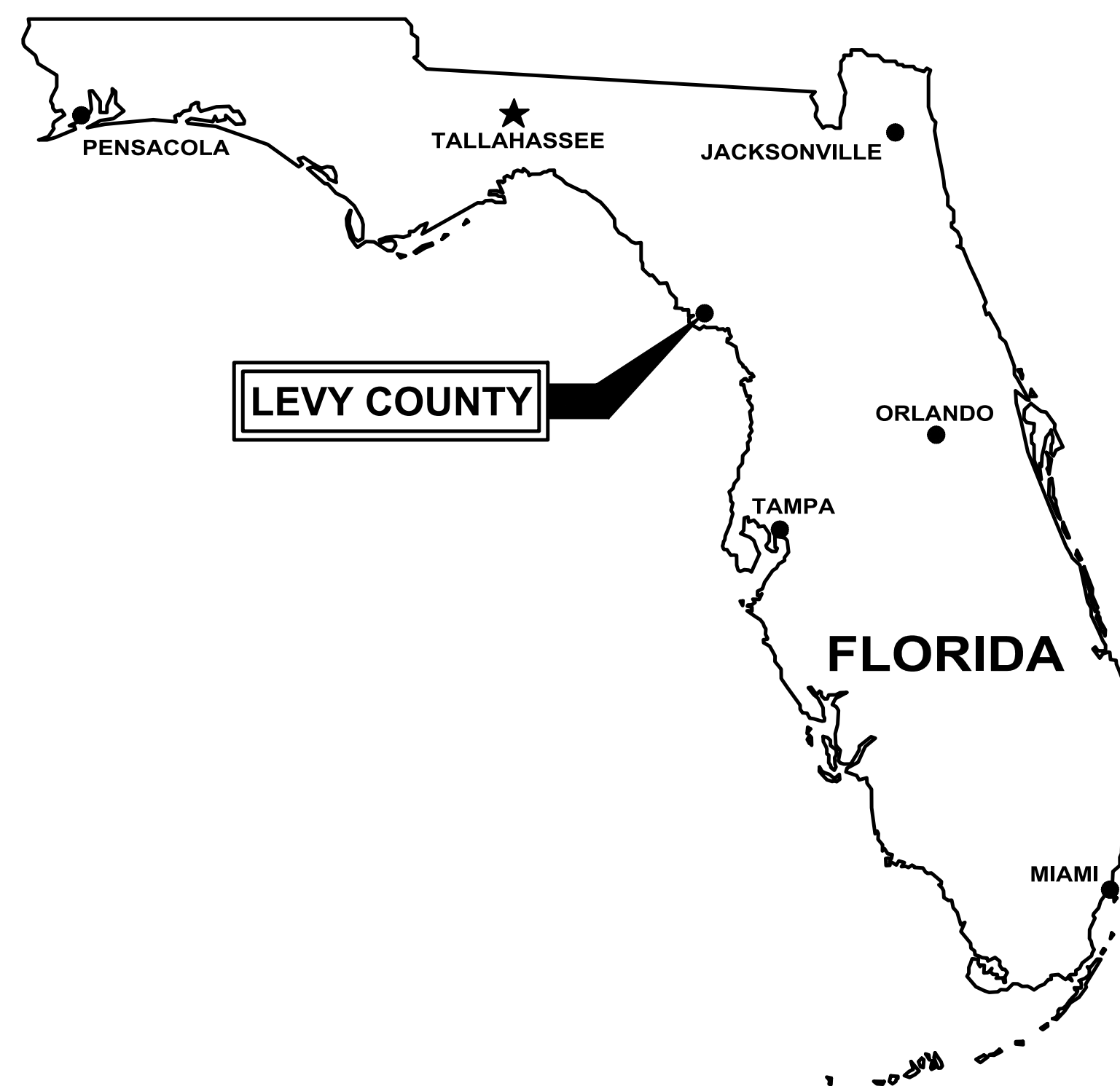
**90% Construction Plans**

# COUNTY OF LEVY, FLORIDA

## CONTRACT DRAWINGS FOR

# SHELL MOUND BOAT RAMP DREDGING

JULY 2022  
PERMIT



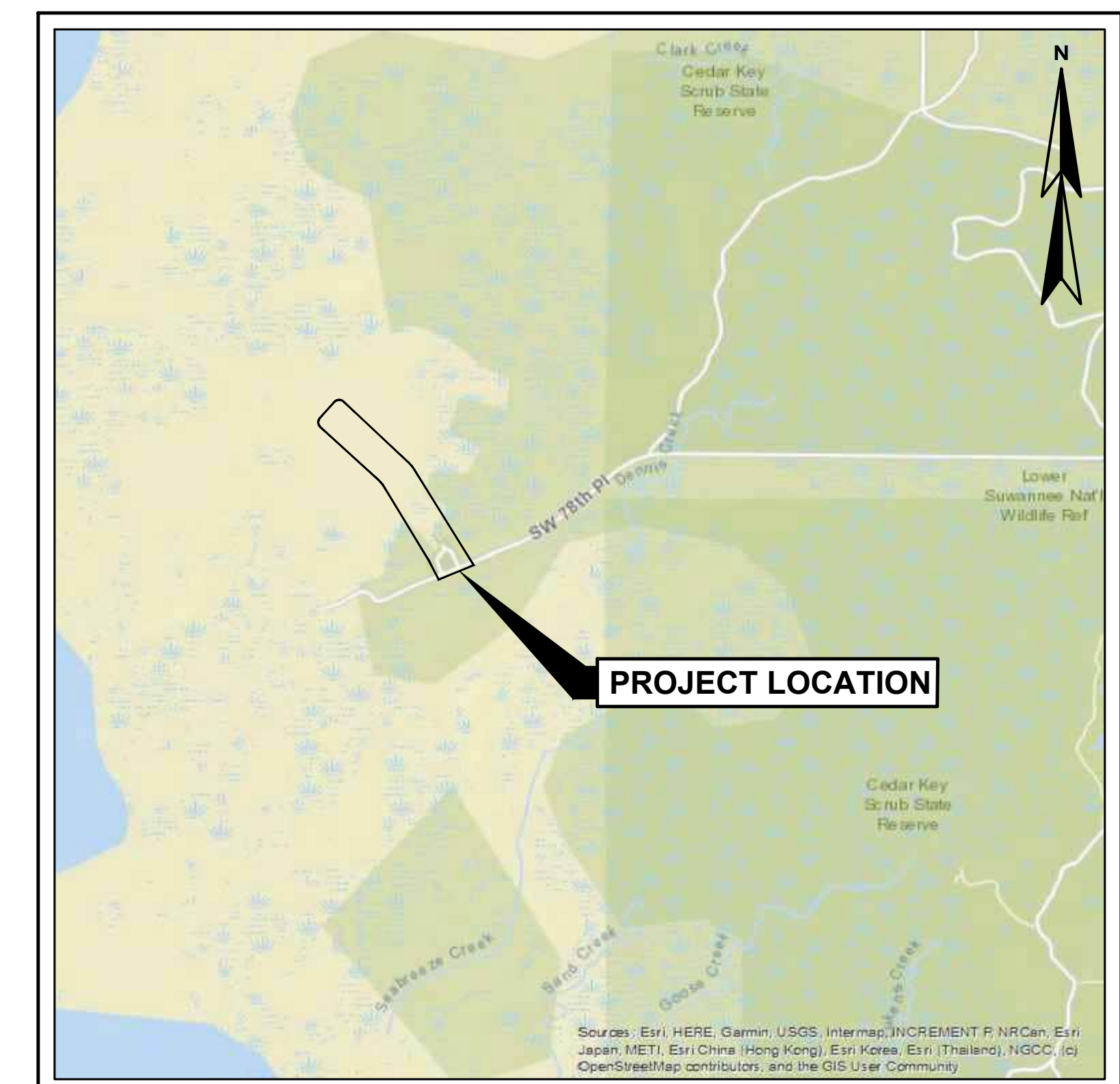
### DRAWING INDEX

#### GENERAL

--- COVER SHEET

#### CIVIL

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- C-2 EXISTING CONDITIONS
- C-3 DREDGING AND GRADING PLAN
- C-4 CROSS SECTIONS STA 1+00 TO STA 3+50
- C-5 CROSS SECTIONS STA 4+00 TO STA 6+50
- C-6 CROSS SECTIONS STA 7+00 TO STA 7+50
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- C-9 STORMWATER POLLUTION PREVENTION NOTES II
- C-10 STORMWATER POLLUTION PREVENTION PLAN
- C-11 STORMWATER POLLUTION PREVENTION DETAILS
- C-12 TRAFFIC MAINTENANCE PLAN



**LOCATION PLAN**  
SCALE: NTS

**WRIGHT-PIERCE**   
Engineering a Better Environment

800.422.1095 | [www.wright-pierce.com](http://www.wright-pierce.com)

GENERAL NOTES

- 1. THE OWNER WILL BE RESPONSIBLE FOR OBTAINING THE PERMITS LISTED IN THE SUPPLEMENTARY OR SPECIAL CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL OBTAINED PERMITS ARE AVAILABLE FOR REVIEW FROM THE OWNER. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW AT ALL TIMES. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH THE MUTCD AND ALL STATE AND LOCAL REGULATIONS. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER PRIOR TO COMMENCING CONSTRUCTION. THE POLICE DEPARTMENT AND FIRE DEPARTMENT ARE TO BE NOTIFIED AT LEAST 24-HOURS IN ADVANCE OF ANY STREET CLOSING OR DETOUR. REFER TO SPECIFICATION SECTION 01570.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
4. CONTRACTOR SHALL COMPLY WITH THE COORDINATION REQUIREMENTS AND RELATED COSTS, IF ANY, AS SPECIFIED IN SPECIFICATION SECTION 01050.
5. CONTRACTOR SHALL NOTE THAT, IN GENERAL, ALL EXISTING CONDITION INFORMATION ON THE DRAWINGS ARE SHOWN WITH A LIGHTER LINE WEIGHT AND WITH A SLANTED TYPE TEXT.
6. ALL EXISTING SEWER AND STORM DRAIN LINES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE. ANY EXISTING SEWERS, STORM DRAIN LINES OR CULVERTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, EXCEPT WHEN IN DIRECT CONFLICT WITH THE NEW SEWER OR WHEN NOT SHOWN OR INDICATED.
7. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTICE TO THE RESPECTIVE UTILITY POLE OWNER. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.

EXISTING SITE CONDITIONS

- 1. THE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND MAY NOT BE COMPLETE. NO GUARANTEE IS MADE THAT UTILITIES OR STRUCTURES WILL BE ENCOUNTERED WHERE SHOWN, OR THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. ALL LOCATIONS AND SIZES OF EXISTING UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD WITH TEST PITS AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF NEW FACILITIES OR PIPING THAT MAY BE AFFECTED. THE CONTRACTOR WILL REALIGN NEW PIPE LOCATIONS AS REQUIRED TO CONFORM TO EXISTING LINES AND AS APPROVED BY THE ENGINEER.
2. BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY EACH UTILITY. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. PRIVATE UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO, SEWER LINES, WATER LINES AND BURIED ELECTRICAL SERVICE ENTRANCES ARE NOT SHOWN. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO SPECIFICATION SECTION 01050. ADDITIONAL TEST PITS, BEYOND THOSE SHOWN, MAY BE REQUIRED. UTILITY CONTACTS ARE AS FOLLOWS:

Table with 2 columns: ELECTRIC and WATER/SEWER/DRAIN. Includes address: 620 N. HATHAWAY AVE, P.O. BOX 248, 352-486-5127.

Table with 2 columns: TELEPHONE/CABLE and DIG SAFE. Includes address: 11 PLANTATION ROAD, DEBARY, FL 32713, 811 OR 800-432-4770.

- 3. THERE ARE NO KNOWN HAZARDOUS ENVIRONMENTAL CONDITIONS WITHIN THE AREA OF WORK. REFER TO SPECIFICATION SECTION 00800-SC-5.06. IF THE PRESENCE OF HAZARDOUS ENVIRONMENTAL CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER IMMEDIATELY. ALL ACTIVITIES, HANDLING AND DISPOSAL OF HAZARDOUS ENVIRONMENTAL CONDITIONS AND MATERIALS SHALL BE IN ACCORDANCE WITH OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS.

SITE DEMOLITION

- 1. REFER TO THE EXISTING SITE PLAN, FOR ADDITIONAL INFORMATION REGARDING EXISTING FACILITIES. REFER TO THE LAYOUT DRAWING FOR LIMITS OF WORK.
2. REFER TO SPECIFICATION SECTION 01010A, WHICH CONTAINS INFORMATION ON CONSTRAINTS OF CONSTRUCTION SEQUENCING.
3. DEMOLISH/REMOVE EXISTING PIPING AS REQUIRED FOR CONSTRUCTION OF NEW FACILITIES. ALL PIPING, EQUIPMENT AND MATERIALS TO BE DEMOLISHED AND/OR REMOVED FROM SERVICE SHALL BE COORDINATED WITH THE OWNER AND ENGINEER BEFORE COMMENCING THAT WORK. EXISTING PIPING THAT NEEDS TO BE REMOVED TO CONSTRUCT THE NEW FACILITIES, BUT IS TO REMAIN, SHALL BE REINSTALLED/REPLACED AS NEEDED. EXISTING PIPES AND CONDUIT DESIGNATED AS "ABANDONED" MAY BE REMOVED IF THE CONTRACTOR SO CHOOSES. IF ABANDONED PIPE CONFLICTS WITH NEW SITE PIPING OR FACILITIES, THEN A PORTION OF THE ABANDONED PIPE SHALL BE REMOVED, AND THE NEW ENDS OF ABANDONED PIPE CAPPED OR PLUGGED WITH CONCRETE.
4. SEVERING OF EXISTING UTILITIES FOR ABANDONMENT, OR REMOVAL OF A SEGMENT FROM SERVICE, SHALL BE PERFORMED IN SUCH A MANNER AS TO ALLOW THE REMAINING ACTIVE SEGMENT TO CONTINUE IN ITS INTENDED SERVICE. CAP ACTIVE SEGMENTS WITH APPROPRIATE FITTINGS, JOINT RESTRAINT, ETC. TO ENSURE THEIR INTEGRITY. PLUG ENDS OF ABANDONED PIPE SEGMENTS WITH CONCRETE UNLESS SPECIAL CIRCUMSTANCES DICTATE PLUGGING ABANDONED PIPES WITH BLIND FLANGES, RESTRAINED MECHANICAL JOINT PLUGS, ETC. AS APPROPRIATE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL DEMOLISHED PIPING, EQUIPMENT AND MATERIALS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SUCH PIPING, EQUIPMENT AND MATERIALS DESIGNATED FOR DEMOLITION. SUCH MATERIALS TO BE RETAINED SHALL BE PROPERLY STORED IN AN ON-SITE LOCATION. COORDINATE LOCATION AND MATERIALS TO BE SALVAGED WITH THE OWNER/ENGINEER. REFER TO SPECIFICATION SECTION 02050A
6. THE CONTRACTOR SHALL KEEP A RECORD OF DEMOLITION AS PART OF THE PROJECT RECORD DOCUMENTS IN ACCORDANCE WITH SPECIFICATION SECTION 01720.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF FLOWS RESULTING FROM PRECIPITATION AND GROUNDWATER DEWATERING OPERATIONS.

SITE CLEARING, GRUBBING AND GRADING

- 1. STRIPPING OF TOPSOIL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02115. REFER TO THE LAYOUT AND GRADING DRAWINGS FOR LIMIT OF WORK AND STRIPPING.
2. CONTRACTOR SHALL MINIMIZE CLEARING OPERATIONS. CLEARING AND GRUBBING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02110. CLEARING LIMITS SHALL BE AS INDICATED ON THE DRAWINGS, BUT AT ALL TIMES WITHIN EXISTING ROAD RIGHTS-OF-WAY AND PROPERTY LINES ON STATE OR COUNTY-OWNED PROPERTY OR EASEMENTS. ALL CLEARING AND GRUBBING MATERIAL SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AT A SITE PROVIDED BY THE CONTRACTOR IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS.
3. CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING. PRIOR TO BEGINNING EXCAVATION WORK, EROSION CONTROL FENCE SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE ACTUAL LIMITS OF GRUBBING AND/OR GRADING, AND AS SHOWN ON THE DRAWINGS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM, CONTRACTOR SHALL TAKE ALL OTHER NECESSARY MEASURES. EROSION CONTROL FENCE SHALL ALSO BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE TOPSOIL STOCKPILES. ALL DISTURBED EARTH SURFACES SHALL BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION. ALL INSTALLED EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE END OF THE PROJECT. REFER TO SPECIFICATION SECTION 02270.
4. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY HAY BALE FILTERS TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL COLLECTED SEDIMENT, AND THAT WHICH COLLECTS IN THE STORM DRAIN SYSTEM. REFER TO THE CIVIL DETAIL DRAWINGS.

- 5. THE GEOTECHNICAL DATA REPORT FOR THE PROJECT SITE IS INCLUDED IN APPENDIX A AND IS DESCRIBED IN SPECIFICATION SECTION 00800 (SUPPLEMENTAL CONDITIONS).
6. CONTRACTOR SHALL CONTROL DUST ON THE CONSTRUCTION SITE TO A REASONABLE LIMIT, AS DETERMINED BY THE ENGINEER, AND AS OUTLINED IN SPECIFICATION SECTION 01562.
7. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS AND PLANT DRIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.
8. THE CONTRACTOR SHALL NOT HAVE ANY RIGHT OF PROPERTY IN ANY MATERIALS TAKEN FROM ANY EXCAVATION. SUITABLE EXCAVATED MATERIAL MAY BE INCORPORATED IN THE PROJECT, WITH EXCESS MATERIAL DISPOSED OF AT A LOCATION PROVIDED BY THE CONTRACTOR. THESE PROVISIONS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF OBLIGATIONS TO PROPERLY DISPOSE OF AND REPLACE ANY MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE AND EXCESS MATERIAL IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS.
9. CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, TO THE SATISFACTION OF THE OWNER AND ENGINEER.
10. ALL NON-ROADWAY AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE GRADED AND SODDED, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION SECTION 02485, SOD.

CIVIL SITE LAYOUT

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PROVIDED LAYOUT INFORMATION THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
2. THE LOCATIONS AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT ACTIVITIES TO THESE AREAS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTING ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF FL, AT NO ADDITIONAL COST TO THE OWNER.
4. WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
5. ALL ELEVATIONS REFER TO THE NAVD88DATUM. ORIENTATION IS GRID NORTH ON THE NAD 1983 FLORIDA WEST ZONE, 2011 ADJUSTMENT, US SURVEY FEET COORDINATE SYSTEM. PROJECT BENCH MARK IS SHOWN ON THE DRAWINGS. AND IS DERIVED FROM NATIONAL GEODETIC SURVEY CONTROL STATION "AK 30 RESET" WITH AN ELEVATION OF 9.43 FEET. CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS PRIOR TO USING IN CONSTRUCTION.
6. EXISTING CONDITIONS DEVELOPED FROM SURVEY DRAWING PREPARED BY SURVTECH SOLUTIONS, INC, DATED 3/16/2022.

CIVIL SITE PIPING

- 1. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION. TEST PITS SHALL BE USED AS REQUIRED.
2. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON THE CIVIL EXISTING CONDITIONS AND DEMOLITION PLAN. ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION MATERIALS IN ACCORDANCE WITH SPECIFICATION SECTION 02050.

WATER GENERAL NOTES

- 1. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION. TEST PITS SHALL BE USED AS REQUIRED.
2. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED. AT NO ADDITIONAL COST TO THE OWNER THE CONTRACTOR SHALL REPAIR OR COORDINATE WITH THE RESPECTIVE UTILITY ON DAMAGE TO EXISTING UTILITIES.
3. EXISTING VALVES AND FITTINGS SALVAGED FOR REUSE SHALL BE STORED AT AN OWNER APPROVED LOCATION AND REMAIN PROPERTY OF THE OWNER.

CIVIL ABBREVIATIONS

Table mapping symbols to abbreviations: & DIA, Ø, #, NO, APP'D, BR, BLDG, CB, CEN, CFS, CI, CIPP, CL, CMP, CO, CONC, COR, CY, DEMO, DMH, DI, DR, DWG, EL, EMH, FM, FT, G, HDPE, HYD, IN, INF, INV, LBS, LF, MAX, MH, MIN, MW, N, NGVD, N/A, NTS, OD, OUT, PC, PSF, PSI, PS, PT, PVC, RCP, RD, REQ'D, S, SD, SF, SMH, SQ, STA, T, XFMR, TBM, THK, TOS, TYP, UD, UG, UGE, VC, VF, W/, W.

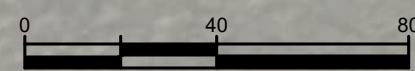
LEGEND table with columns: EXISTING, PROPOSED, and descriptions for various site features like PROPERTY/ROW LINE, SETBACK LINE, EASEMENT LINE, CENTERLINE, EDGE OF PAVEMENT, CURBING, EDGE OF GRAVEL, EDGE OF CONCRETE, CONTOUR, BUILDING, STONEWALL, TREELINE, CHAIN LINK FENCE, STOCKADE FENCE, BARB WIRE FENCE, RETAINING WALL, GUARDRAIL, SEWER, SEWER FORCE MAIN, GAS, WATER, STORM DRAIN, UNDERDRAIN, CULVERT, UNDERGROUND ELECTRIC, OVERHEAD ELECTRIC, UNDERGROUND TELEPHONE, UNDERGROUND CABLE TV, IRON PIPE/REBAR, DRILLHOLE, MONUMENT, SURVEY CONTROL POINT, SPOT ELEVATION, SEWER MANHOLE, DRAINAGE MANHOLE, CATCH BASIN, ELECTRIC MANHOLE, TELEPHONE MANHOLE, SHUTOFF VALVE, WATER SERVICE SHUTOFF, YARD HYDRANT, HYDRANT, GAS SERVICE SHUTOFF, GAS GATE VALVE, UTILITY POLE, UTILITY POLE W/ GUY, TRANSFORMER, TEMPORARY BENCH MARK, LIGHT POLE, THICKNESS, TOP OF STRUCTURE, TYPICAL, FLAGPOLE, CONIFEROUS TREE, DECIDUOUS TREE, SHRUB, WETLAND FLAG, EDGE OF WATER, STREAM, EDGE OF WETLANDS, FLOODPLAIN, WETLANDS, DRAINAGE FLOW, DRAINAGE SWALE, PAVEMENT MARKINGS, SIGN, MAILBOX, TEMPORARY BENCH MARK, TEST PIT, TEST BORING, TEST PROBE, MONITORING WELL, LIMIT OF WORK, SILT FENCE, RIPRAP, RAILROAD, MATCHLINE, ROCK OUTCROP, HEAVY DUTY PAVEMENT, NORMAL DUTY PAVEMENT, WALKWAY PAVEMENT.

Project information and title block: PROJECT NO: 20850, DESIGNED: M.HOFFMAN, CAD COORD: D.METZ, CHECKED: D.METZ, DATE: DATE, APPROVED: DATE, SUBMISSION: 60% DESIGN. Title: COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS. General Notes, Legend, and Abbreviations. Drawing ID: C-1.



**EXISTING CONDITIONS NOTES**

1. EXISTING CONDITIONS WAS PREPARED BASED ON THE SURVEY PROVIDED BY SURVTECH SOLUTIONS, INC. DATED 3/16/2022.
2. THE HORIZONTAL DATUM UTILIZED FOR THIS PROJECT IS NAD 1983 FLORIDA WEST ZONE, 2011 ADJUSTMENT, U.S. SURVEY FEET. SAID DATUM WAS ESTABLISHED BY UTILIZING THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
3. THE VERTICAL DATUM UTILIZED FOR THIS PROJECT IS NAVD 1988, U.S. SURVEY FEET. THE BENCHMARK UTILIZED WAS NATIONAL GEODETIC SURVEY (NGS) CONTROL STATION "AK 30 RESET" WITH AN ELEVATION OF 9.43 FEET.
4. ALL UTILITIES DEPICTED HEREON ARE FROM VISIBLE EVIDENCE ONLY. SUBSURFACE UTILITY LOCATOR SERVICE WAS NOT CONTACTED.
5. NO UNDERGROUND FOUNDATIONS OR FOOTERS WERE EXCAVATED OR LOCATED.

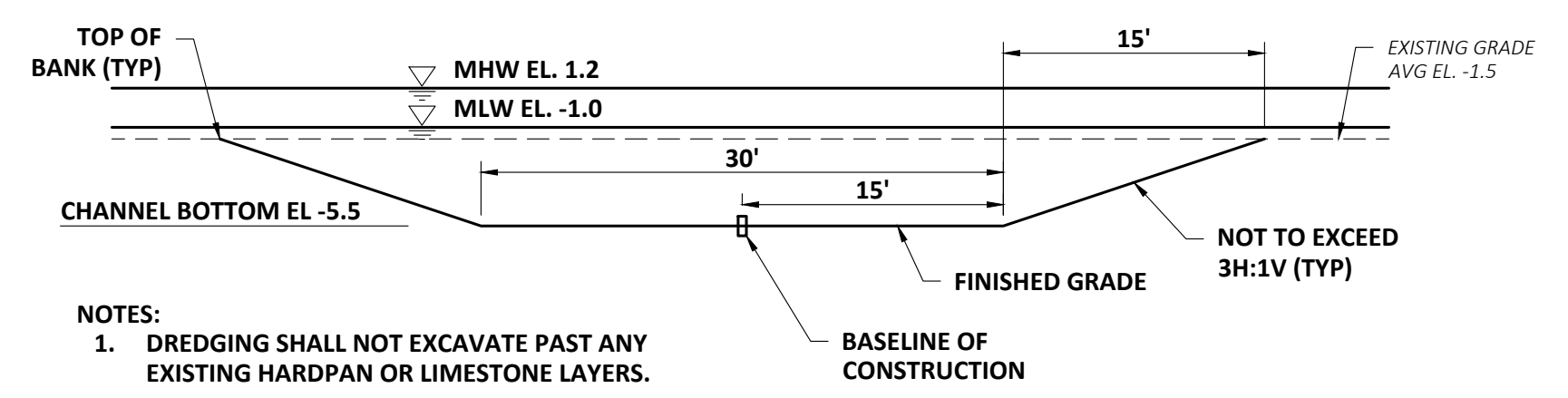
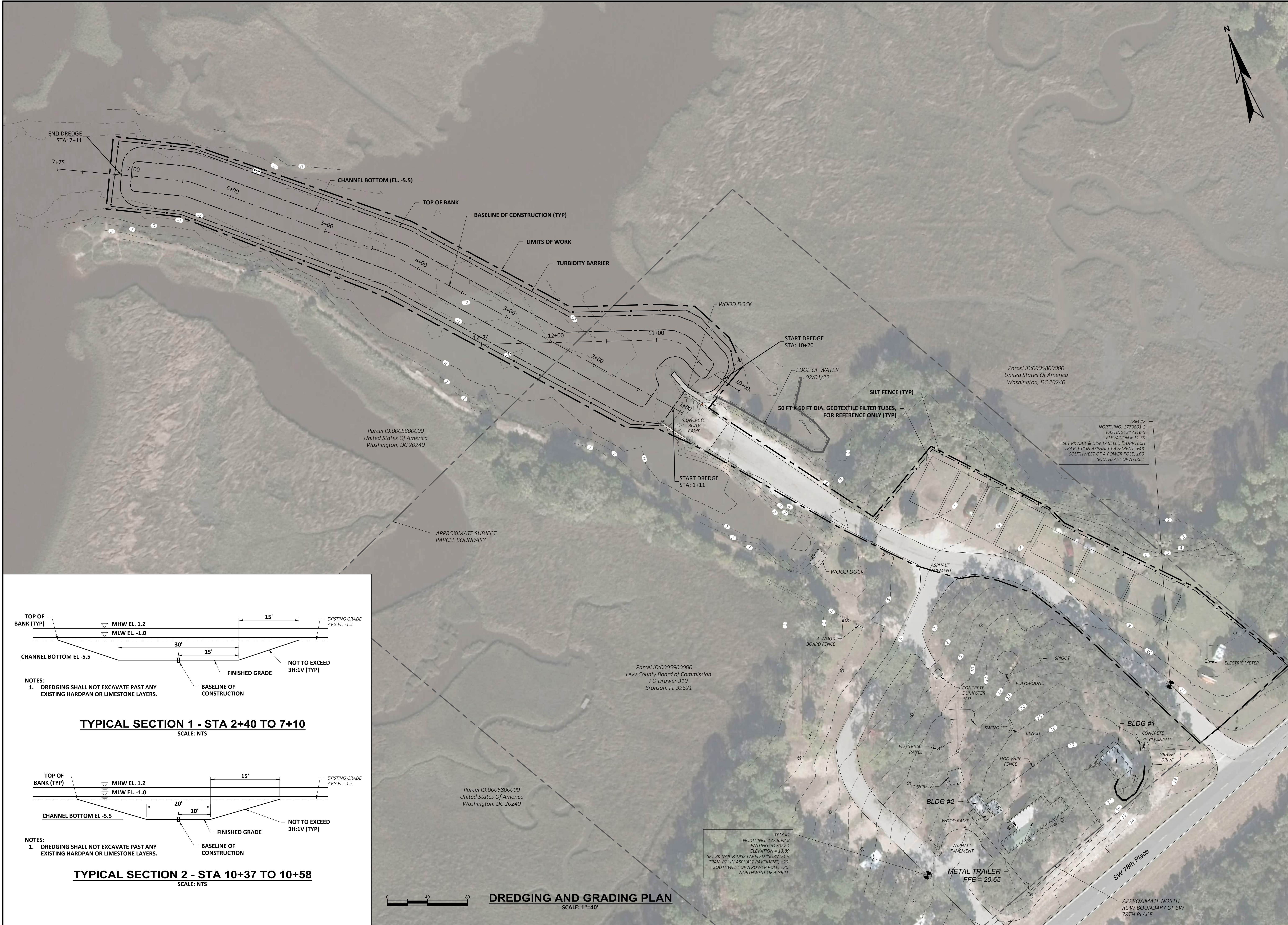


**EXISTING CONDITIONS**  
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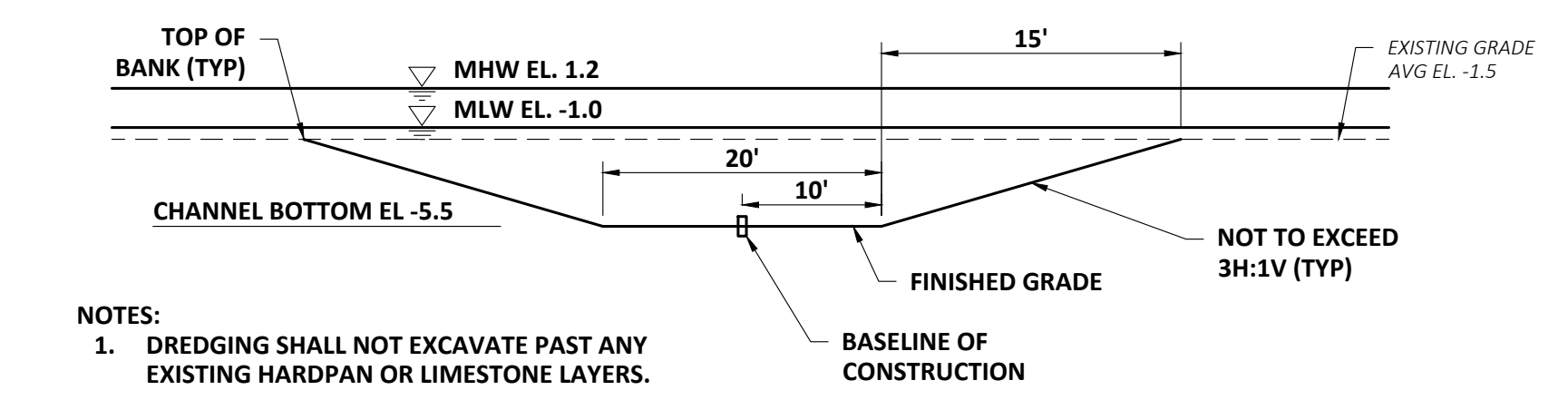
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NO	NO	NO	NO	NO	NO	NO	NO	NO
<p>REVISIONS</p>								
<p>APPD DATE</p>								
<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>								
<p>EXISTING CONDITIONS</p>								
<p>DRAWING C-2</p>								

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**TYPICAL SECTION 1 - STA 2+40 TO 7+10**  
SCALE: NTS



**TYPICAL SECTION 2 - STA 10+37 TO 10+58**  
SCALE: NTS

NO	REVISIONS	APPD	DATE

PROJECT NO: 20850	DESIGNED: M.HOFFMAN
CAD COORD: D.METZ	CHECKED: D.METZ
DATE:	APPROVED:
DATE:	DATE:
DATE:	SUBMISSION: 60% DESIGN

Parcel ID: 0005800000  
United States Of America  
Washington, DC 20240

Parcel ID: 0005900000  
Levy County Board of Commission  
PO Drawer 310  
Bronson, FL 32621

Parcel ID: 0005800000  
United States Of America  
Washington, DC 20240

Parcel ID: 0005800000  
United States Of America  
Washington, DC 20240

BLDG #1  
CONCRETE CLEANOUT  
GRAVEL DRIVE

BLDG #2  
WOOD RAMP  
ASPHALT PAVEMENT

METAL TRAILER  
FFE = 20.65

SW 78th Place

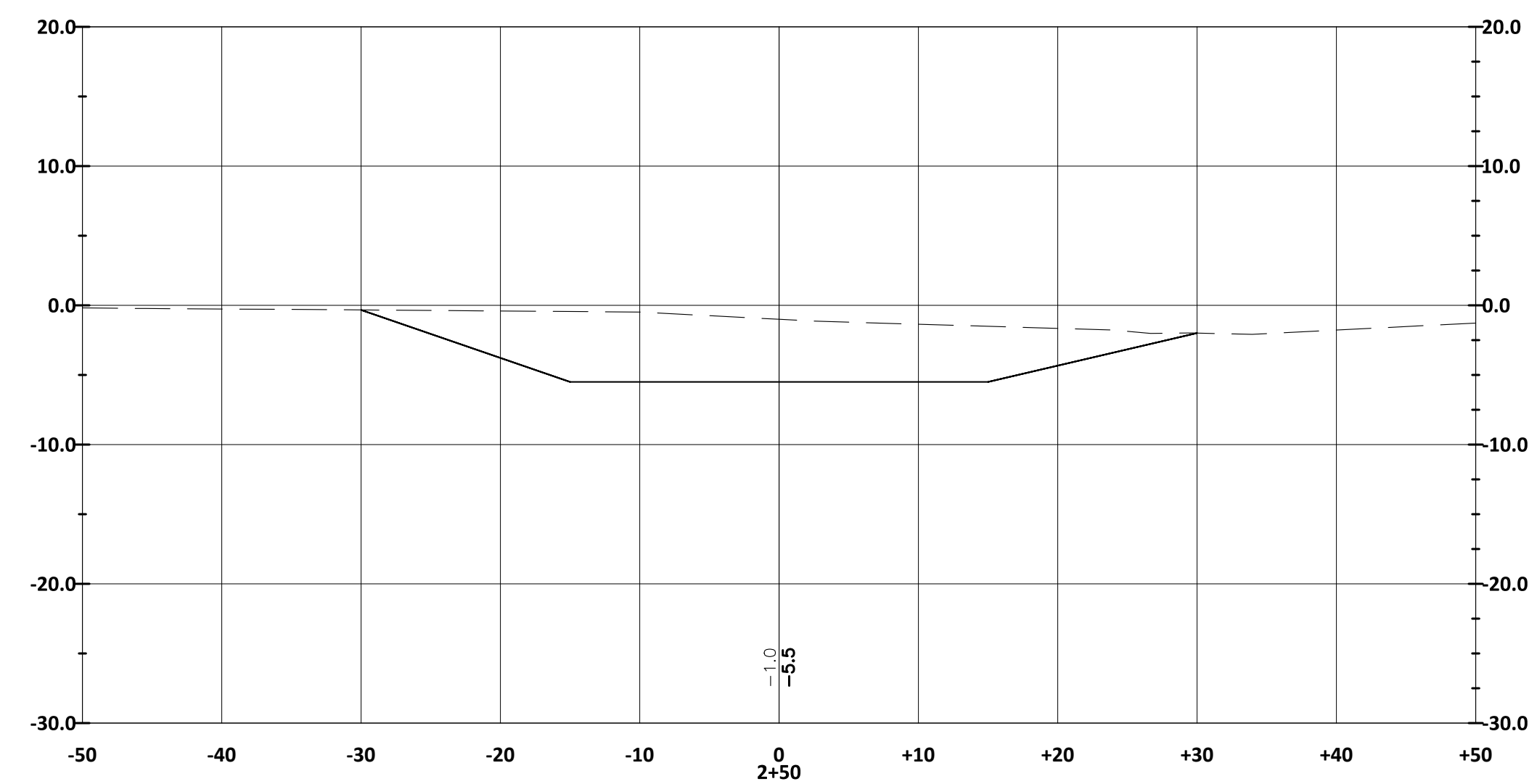
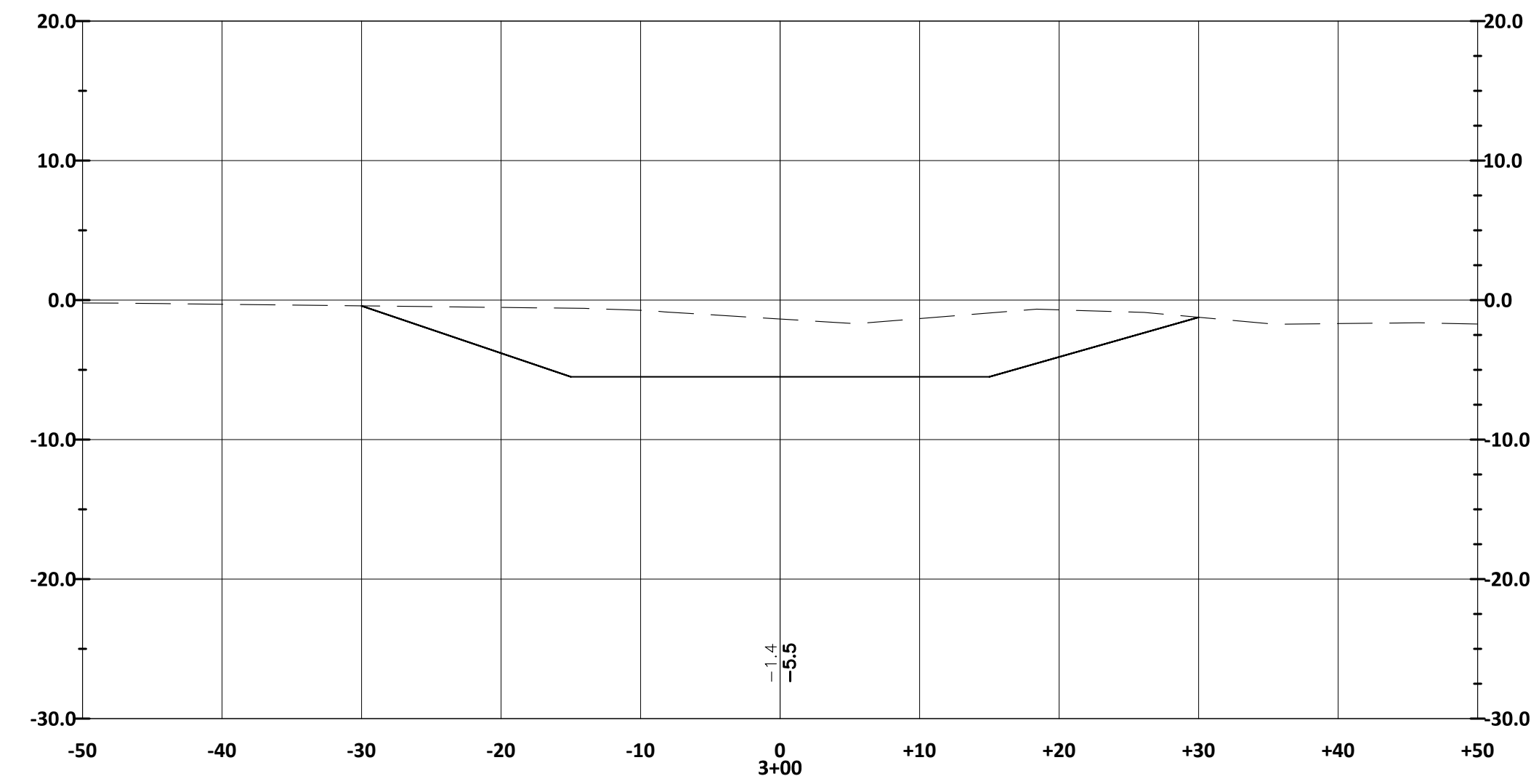
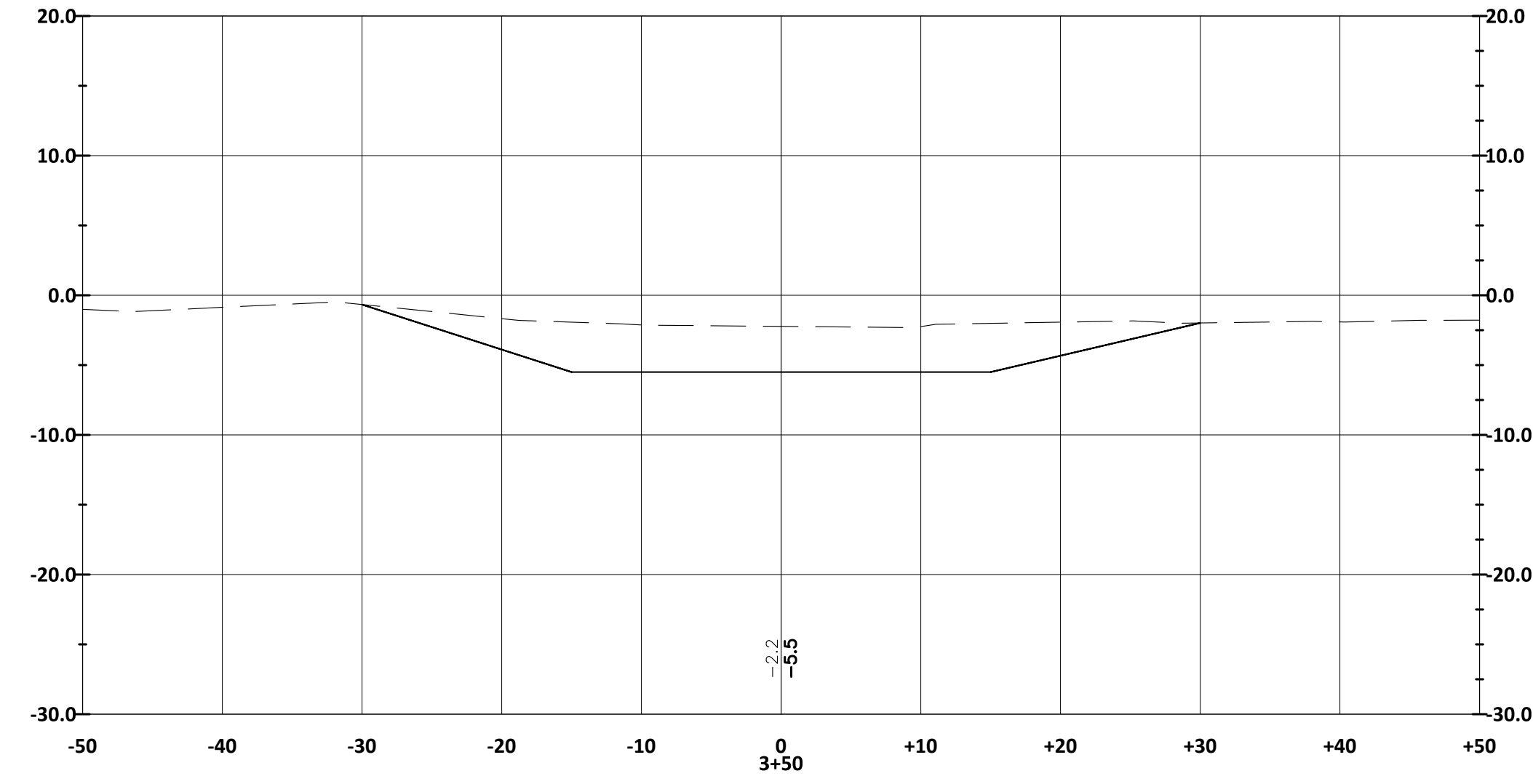
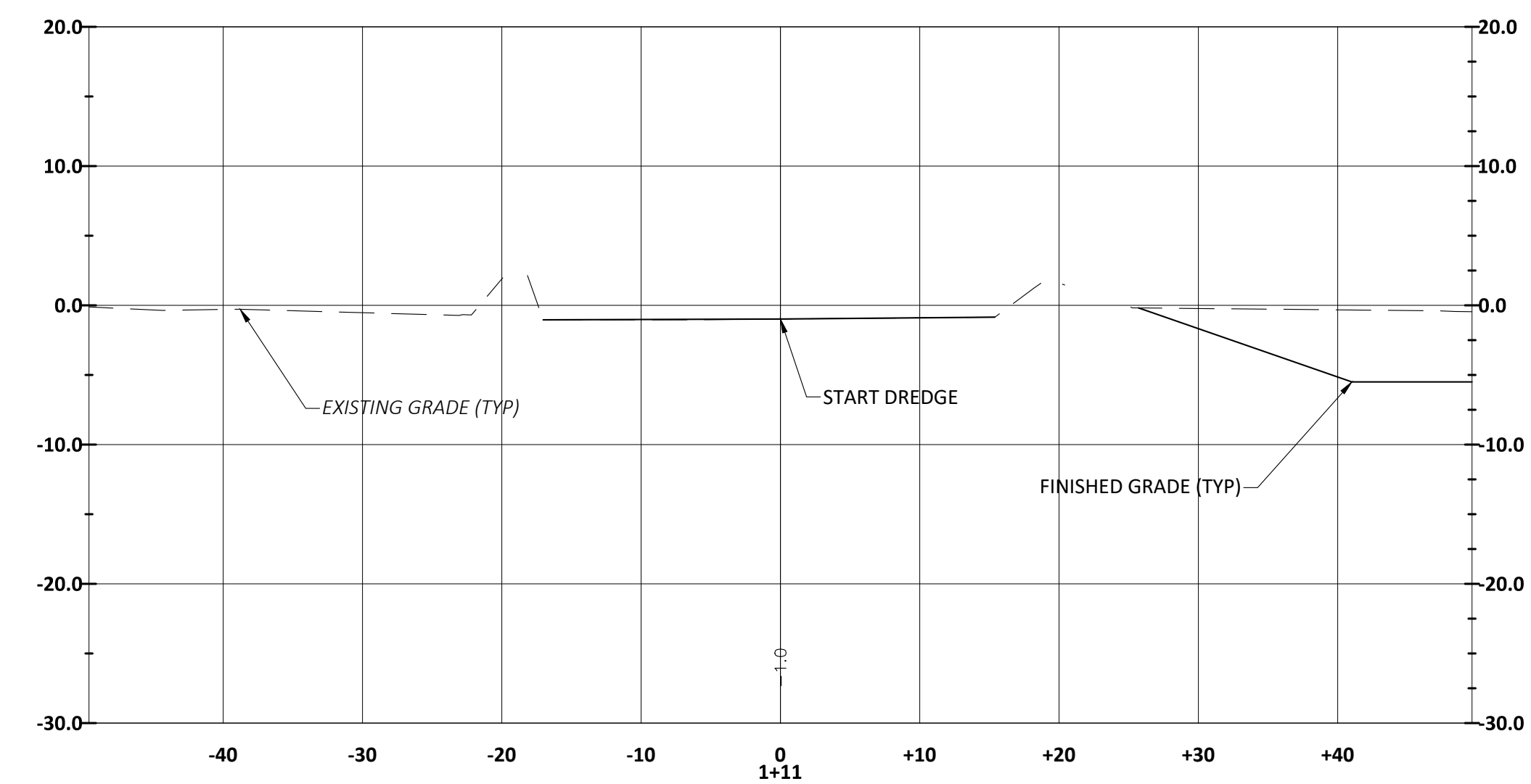
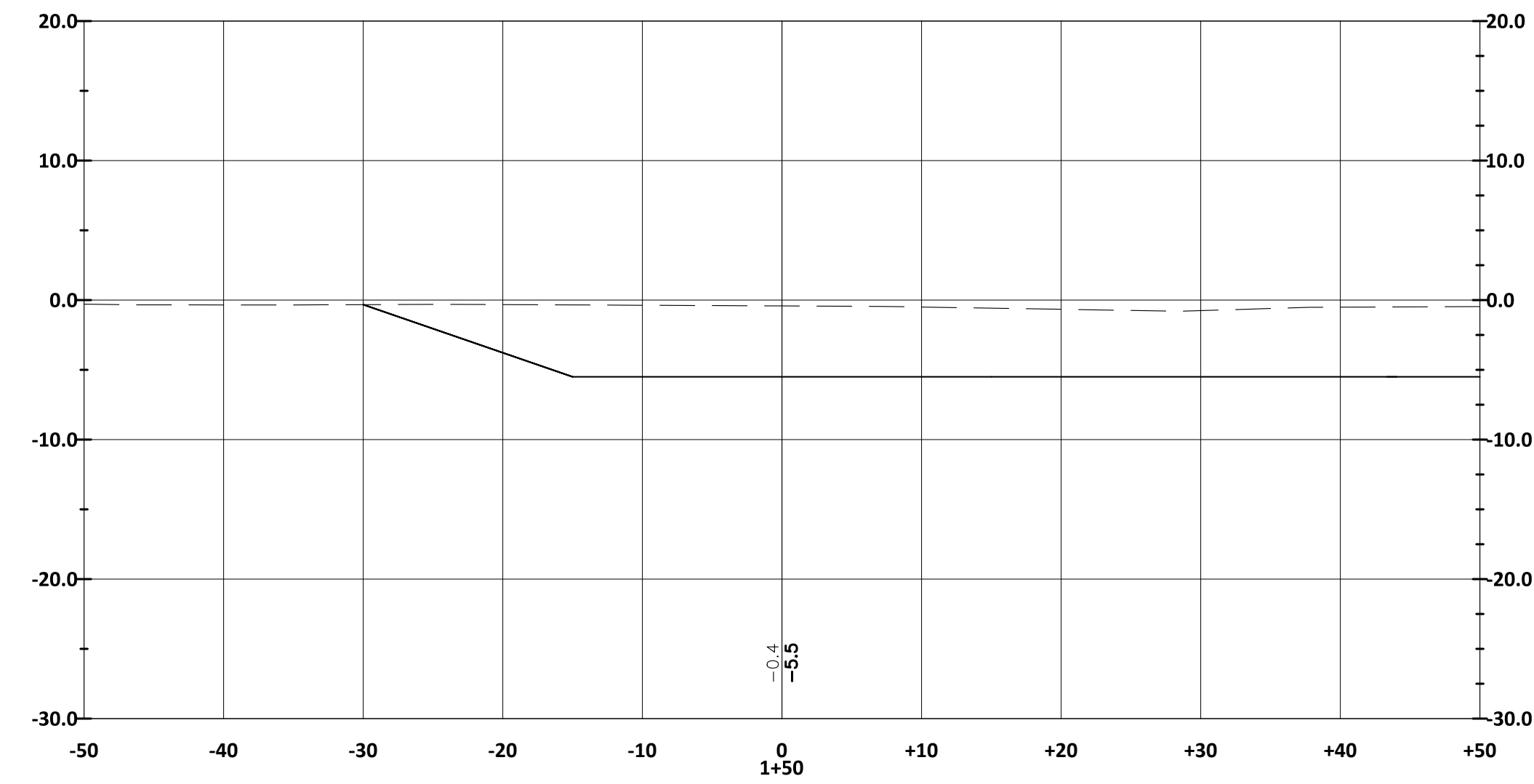
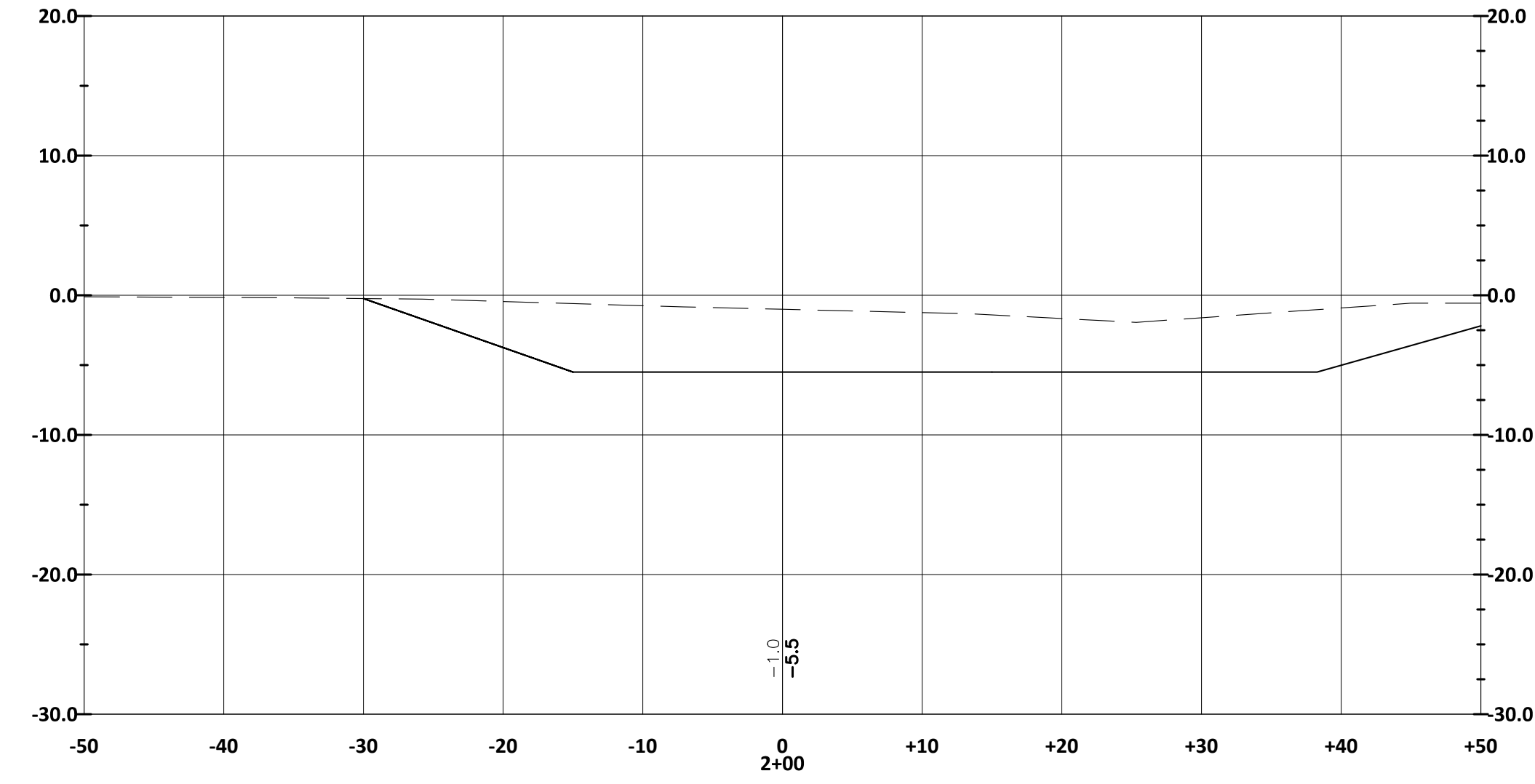
APPROXIMATE NORTH ROW BOUNDARY OF SW 78TH PLACE

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COUNTY OF LEVY, FLORIDA  
SHELL MOUND  
BOAT RAMP IMPROVEMENTS

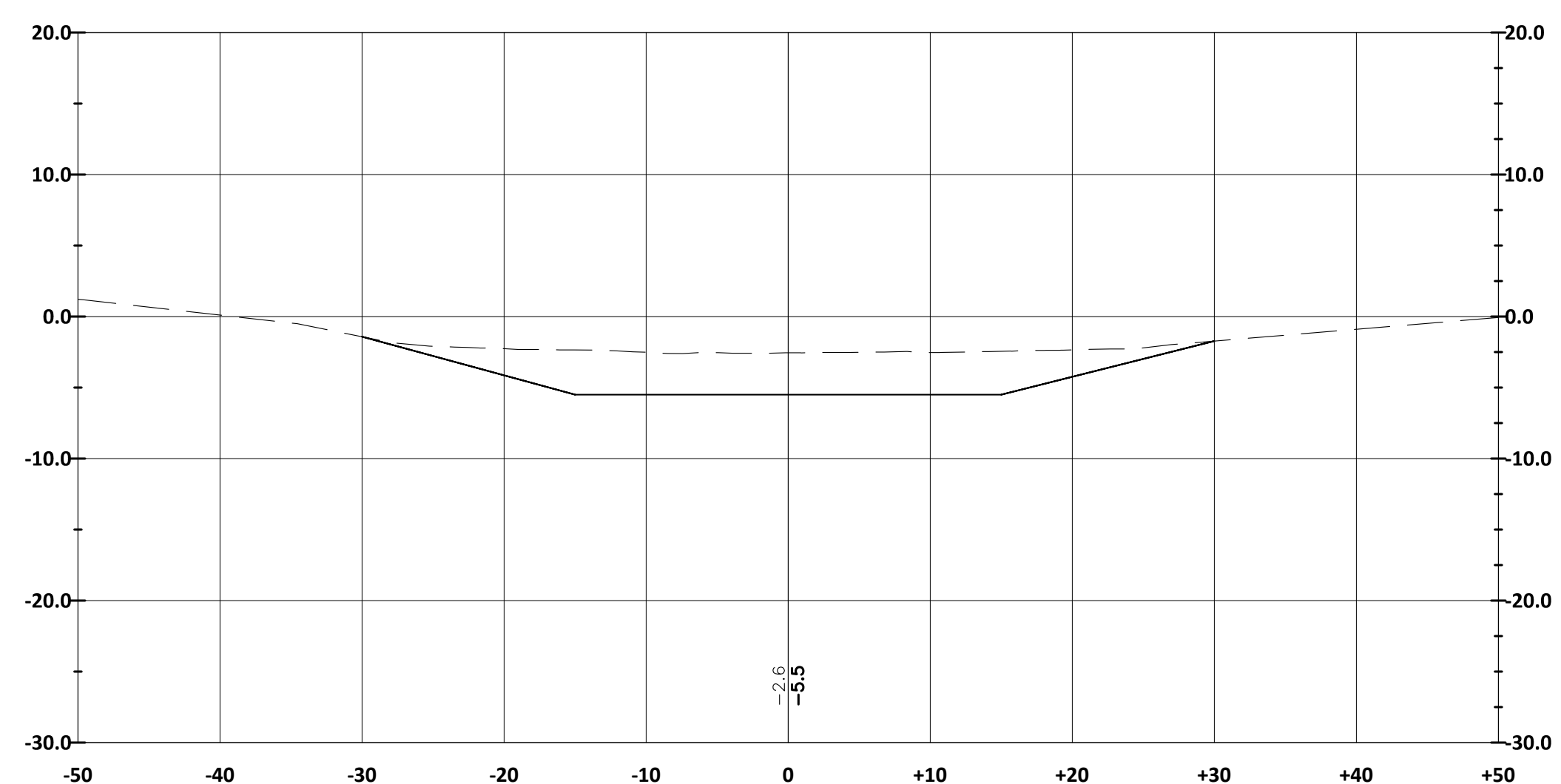
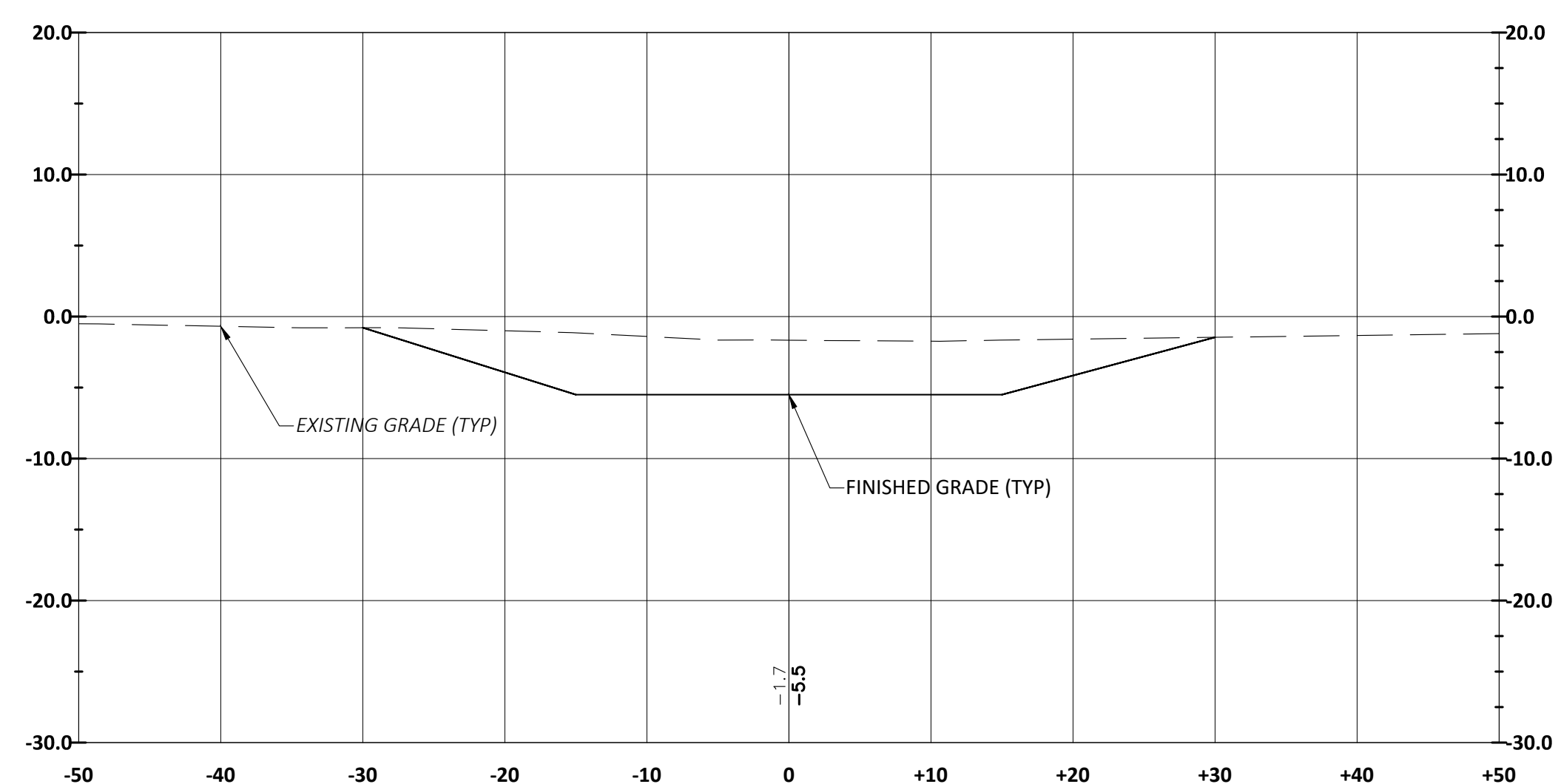
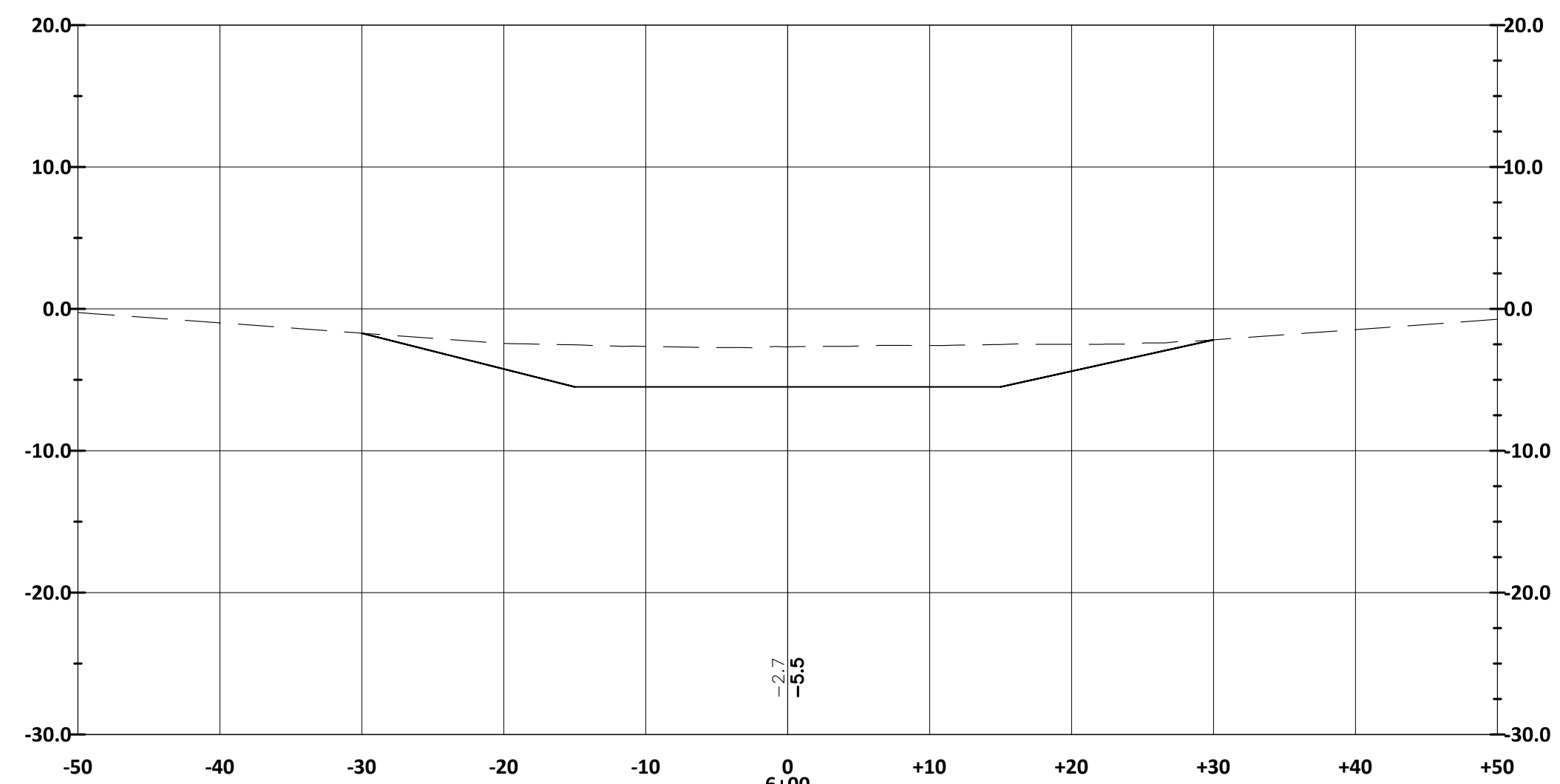
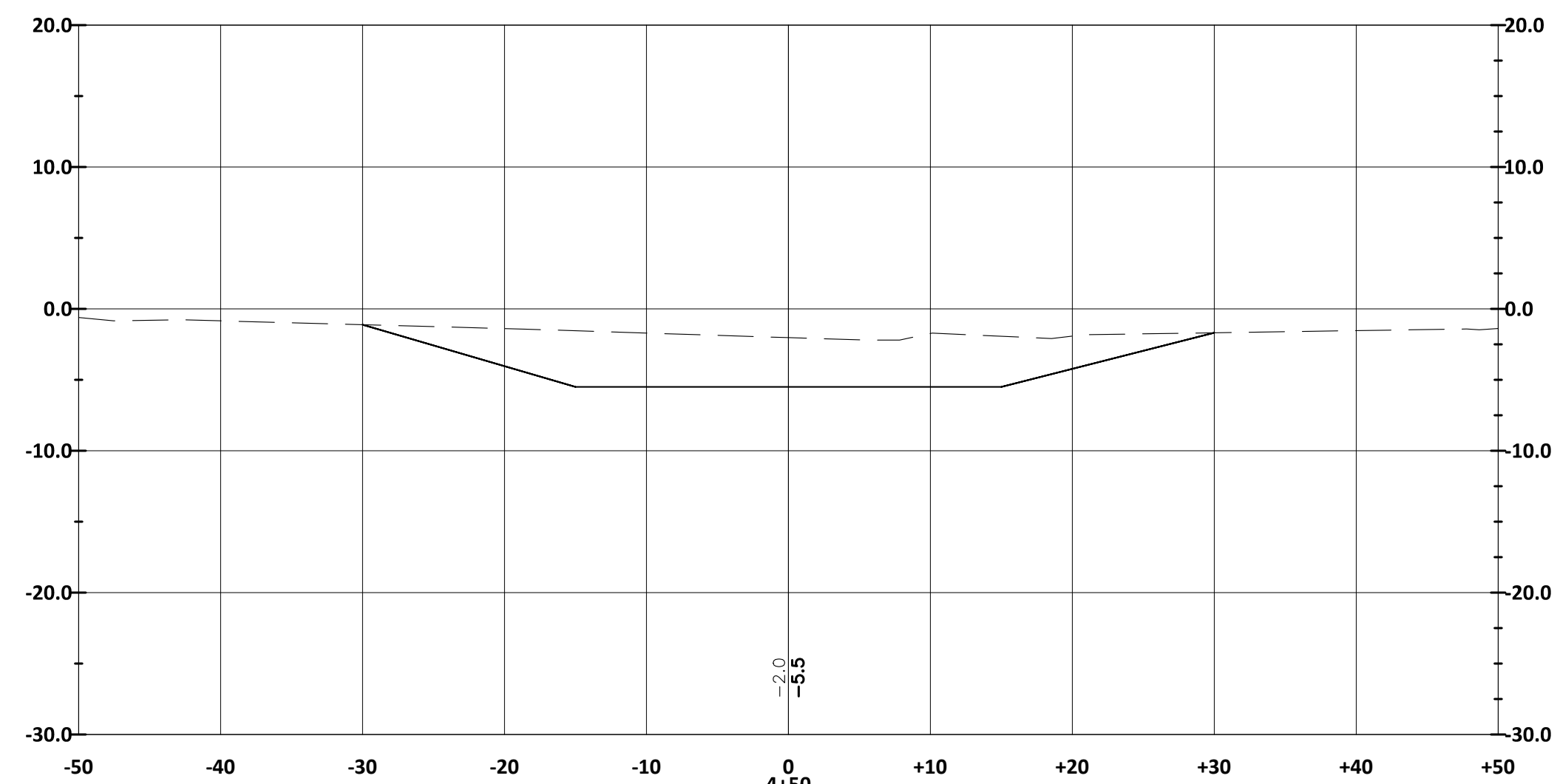
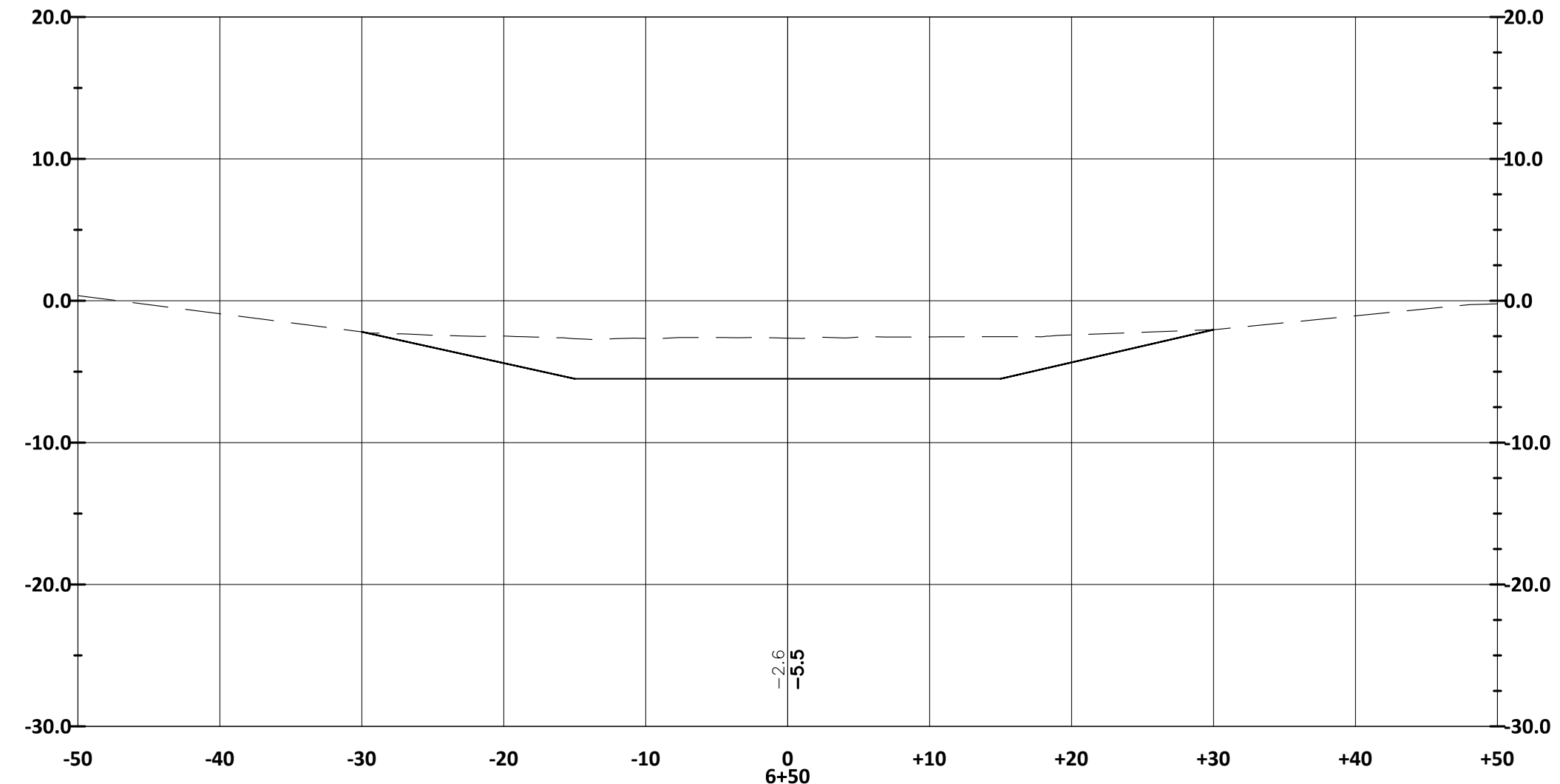
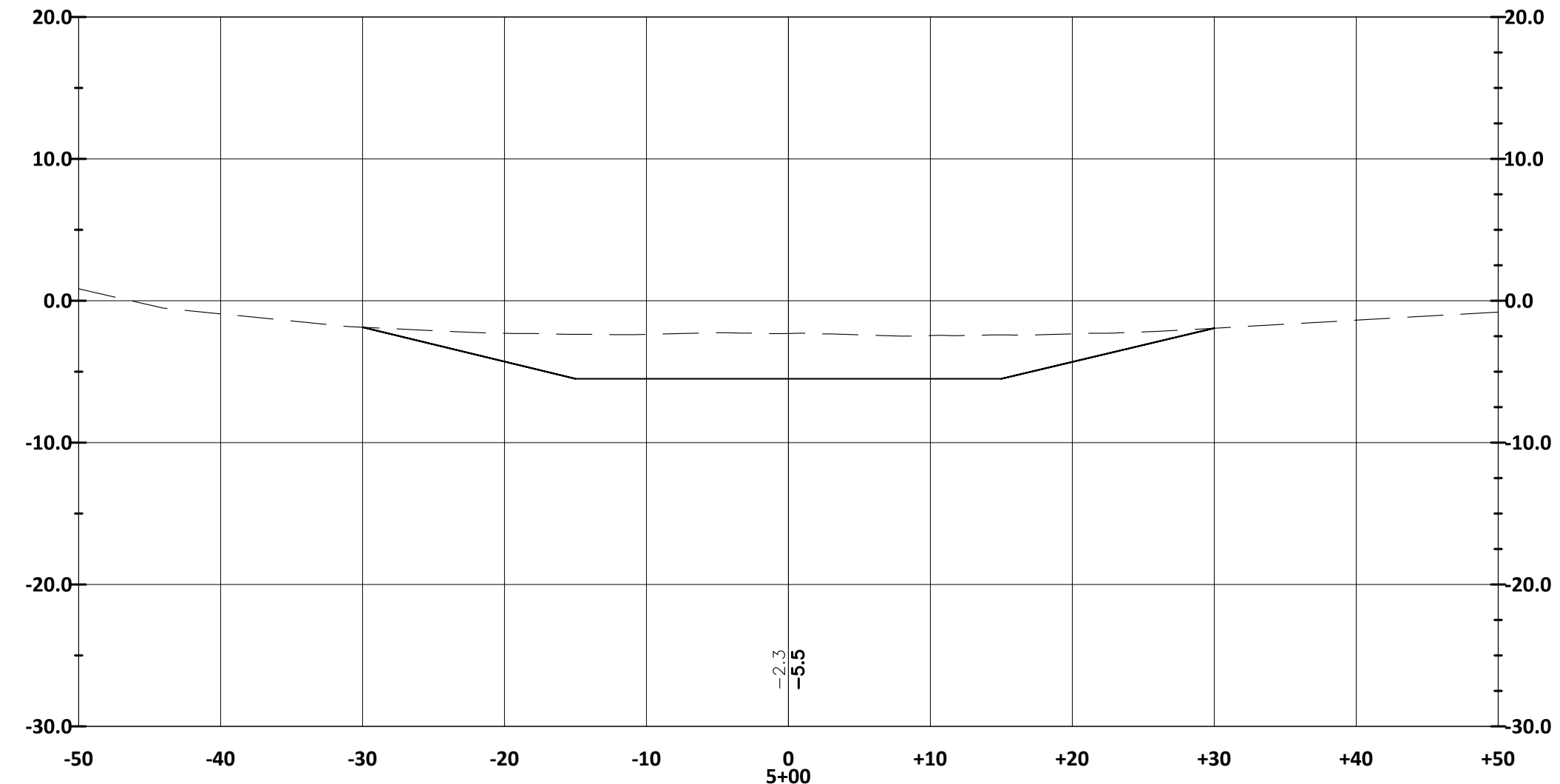
DREDGING AND GRADING PLAN

DRAWING  
C-3



**CROSS SECTIONS**  
 SCALES  
 VERT: 1"=20'  
 HORIZ: 1"=20'

PROJECT NO: 20650 DESIGNED: M.HOFFMAN CAD COORD: D.METZ CAD: D.METZ CHECKED: DATE: APPROVED: DATE: SUBMISSION: 60% DESIGN		REVISIONS	APPD DATE
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COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS		DRAWING C-4	
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**CROSS SECTIONS**  
 SCALES  
 VERT: 1"=20'  
 HORIZ: 1"=20'

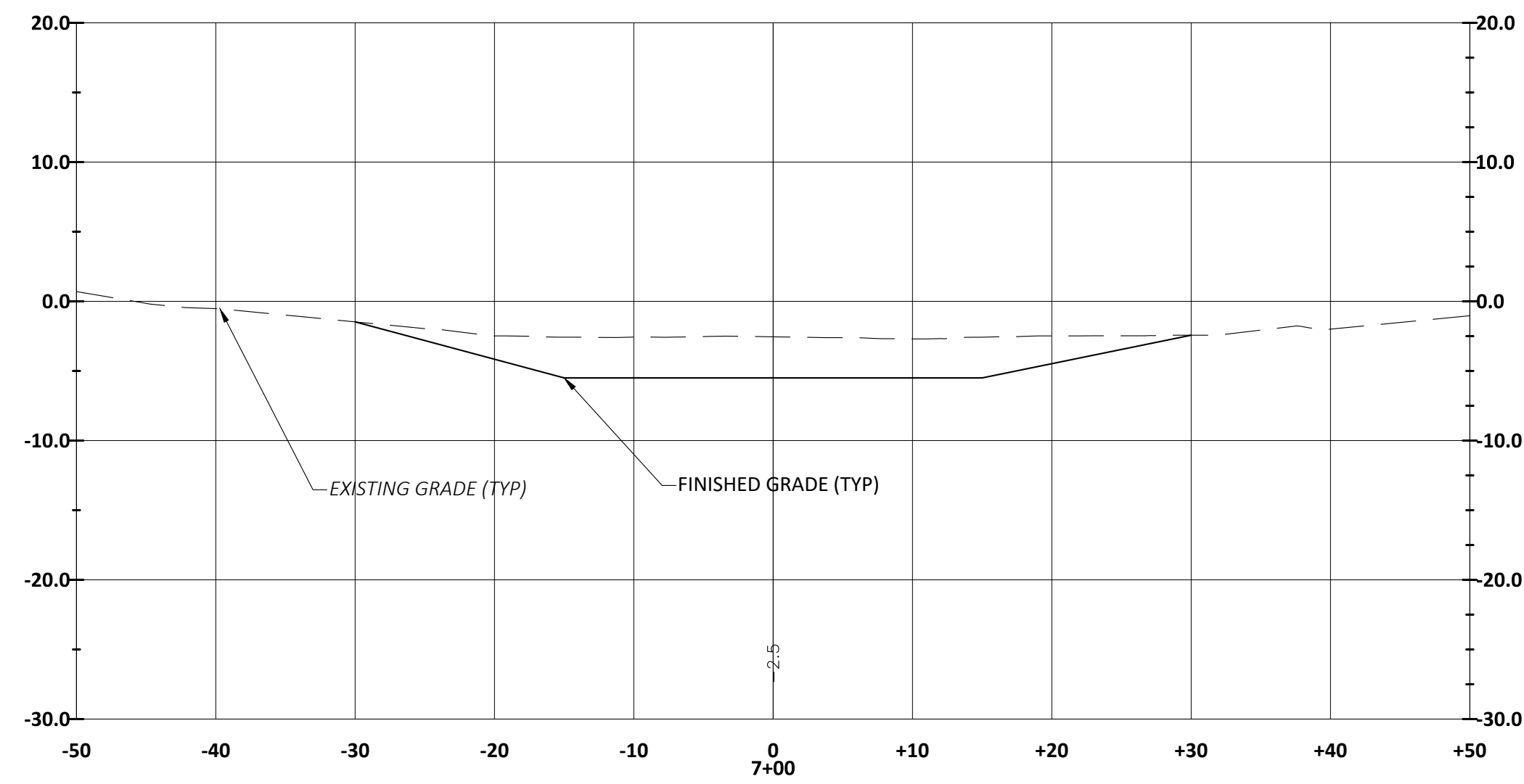
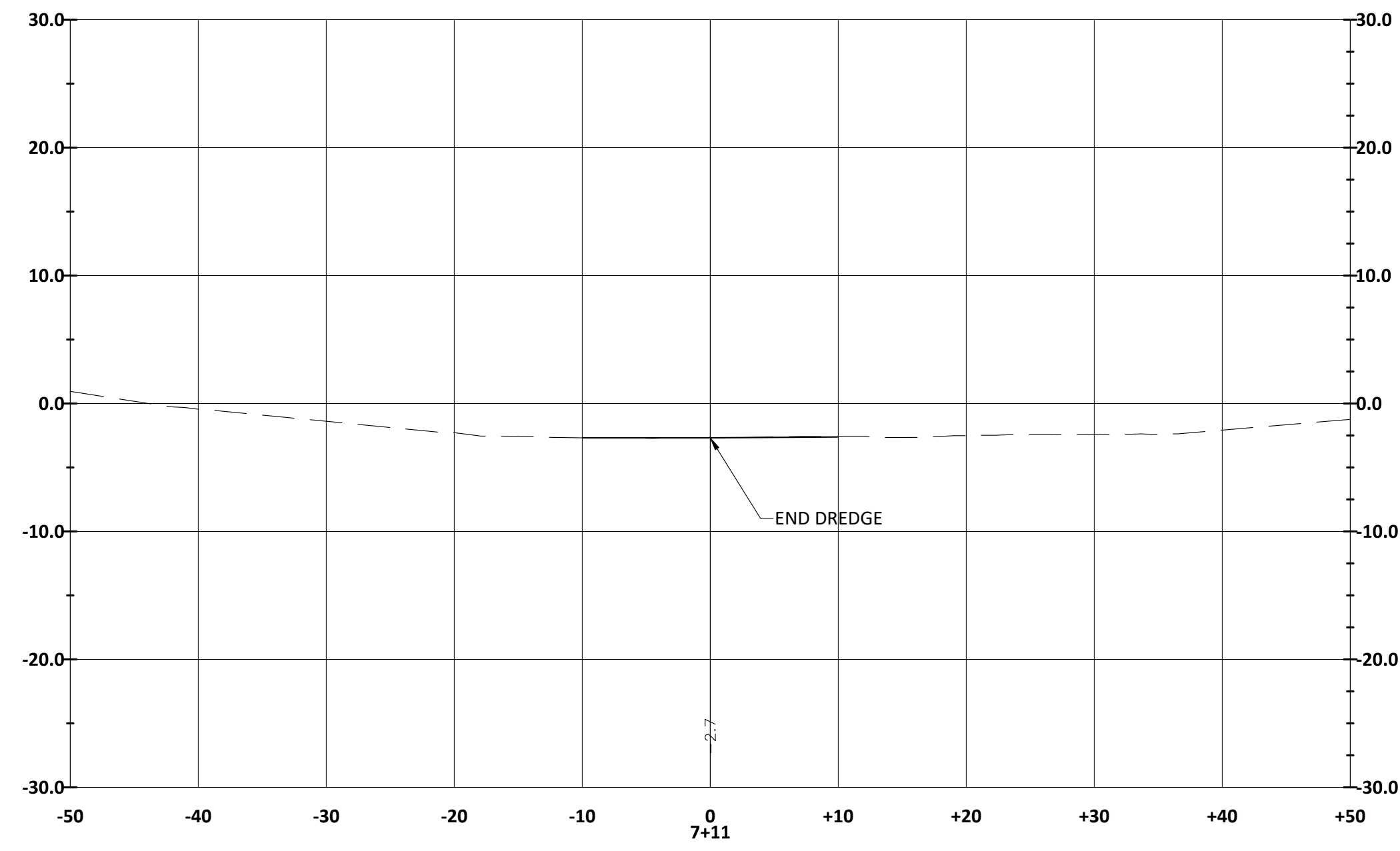
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PROJECT NO: 20850  
 DESIGNED: M.HOFFMAN  
 CAD COORD: D.METZ  
 CAD: D.METZ  
 CHECKED: DATE:  
 APPROVED: DATE:  
 SUBMISSION: 60% DESIGN



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COUNTY OF LEVY, FLORIDA  
 SHELL MOUND  
 BOAT RAMP IMPROVEMENTS  
 CROSS SECTIONS STA 4+00 TO STA 6+50



### CROSS SECTIONS

SCALES  
VERT: 1"=20'  
HORIZ: 1"=20'

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PROJECT NO: 20850  
 DESIGNED: M.HOFFMAN  
 CAD COORD: D.METZ  
 CAD: D.METZ  
 CHECKED:  
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 APPROVED:  
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 SUBMISSION: 60% DESIGN

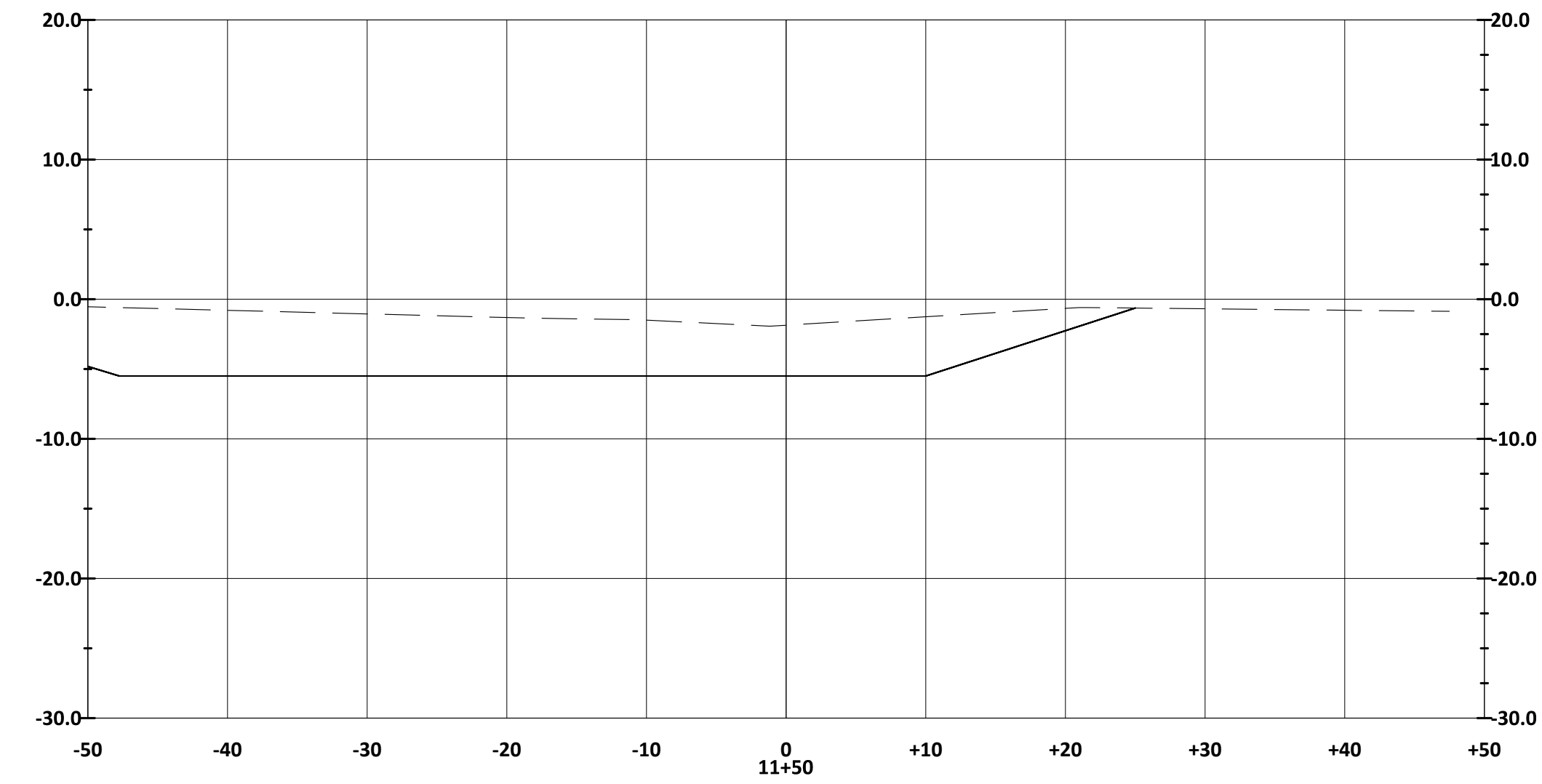
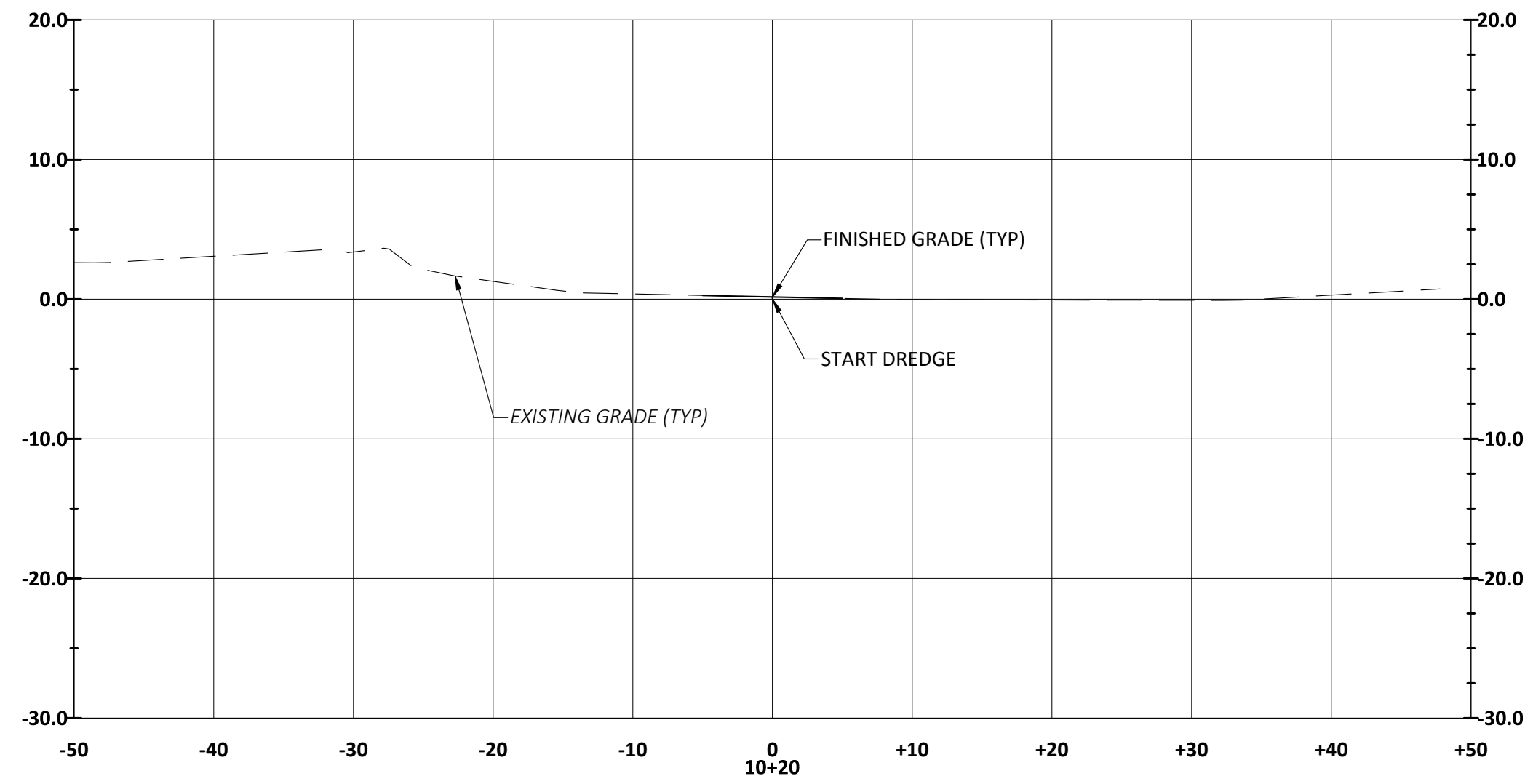
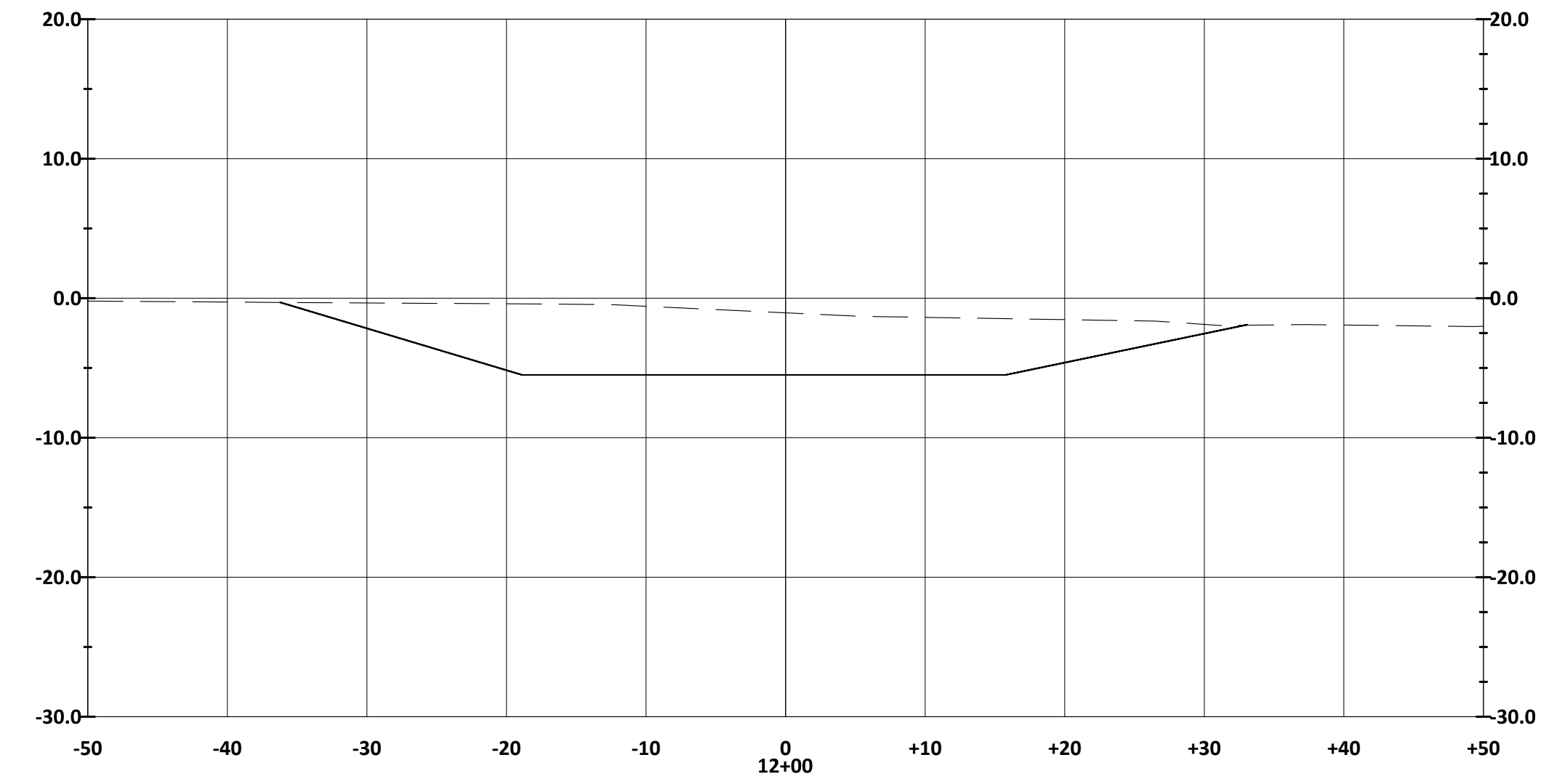
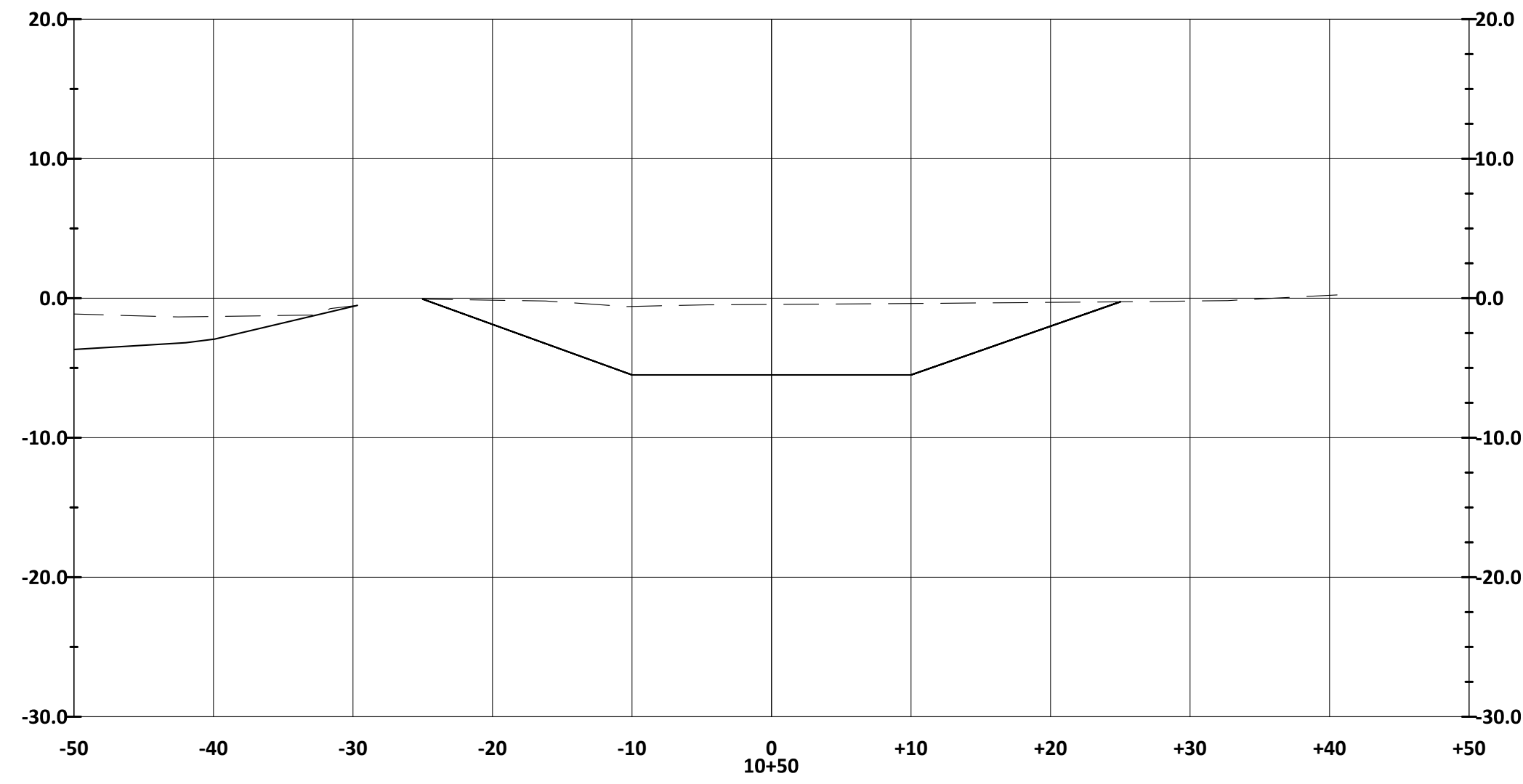
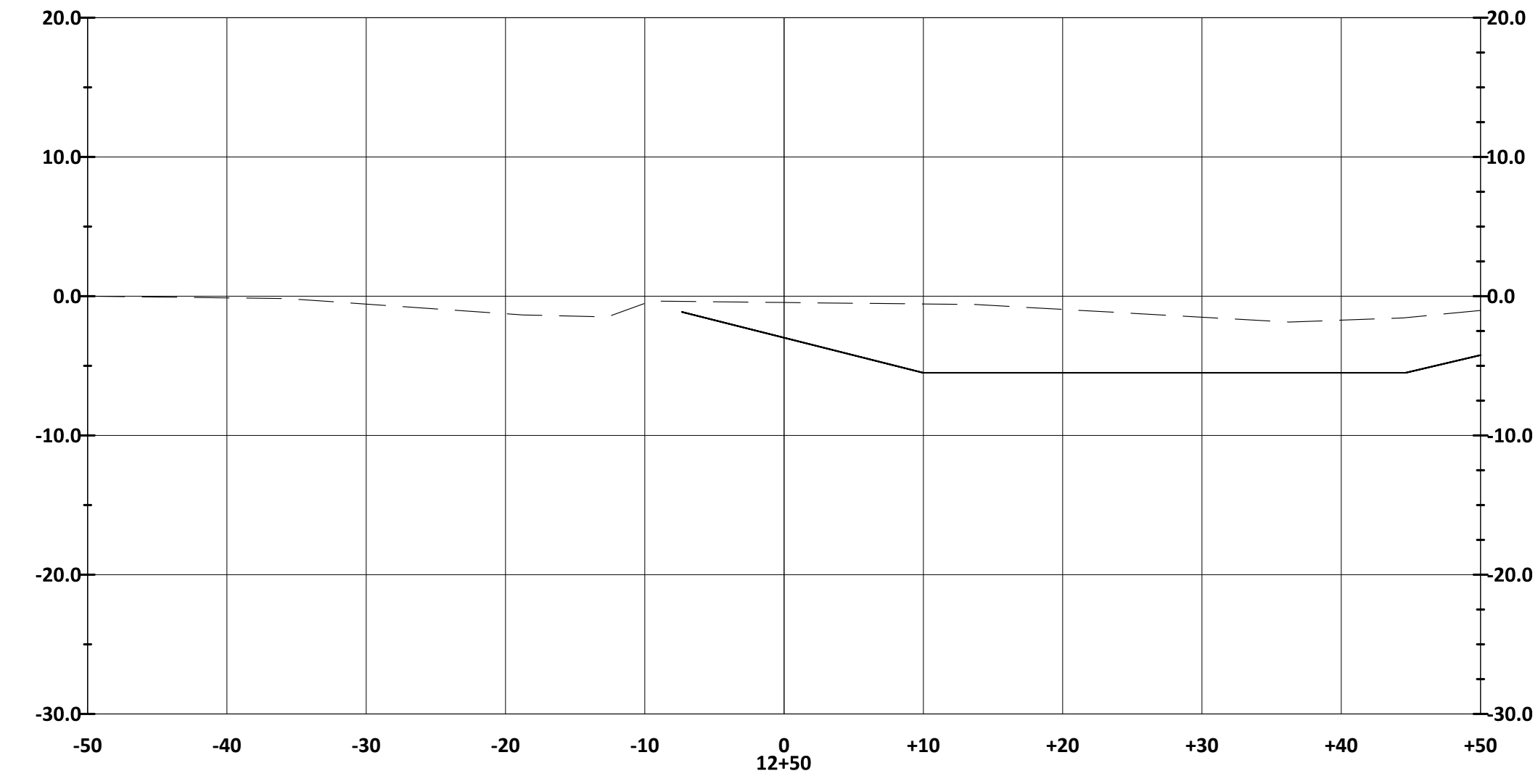
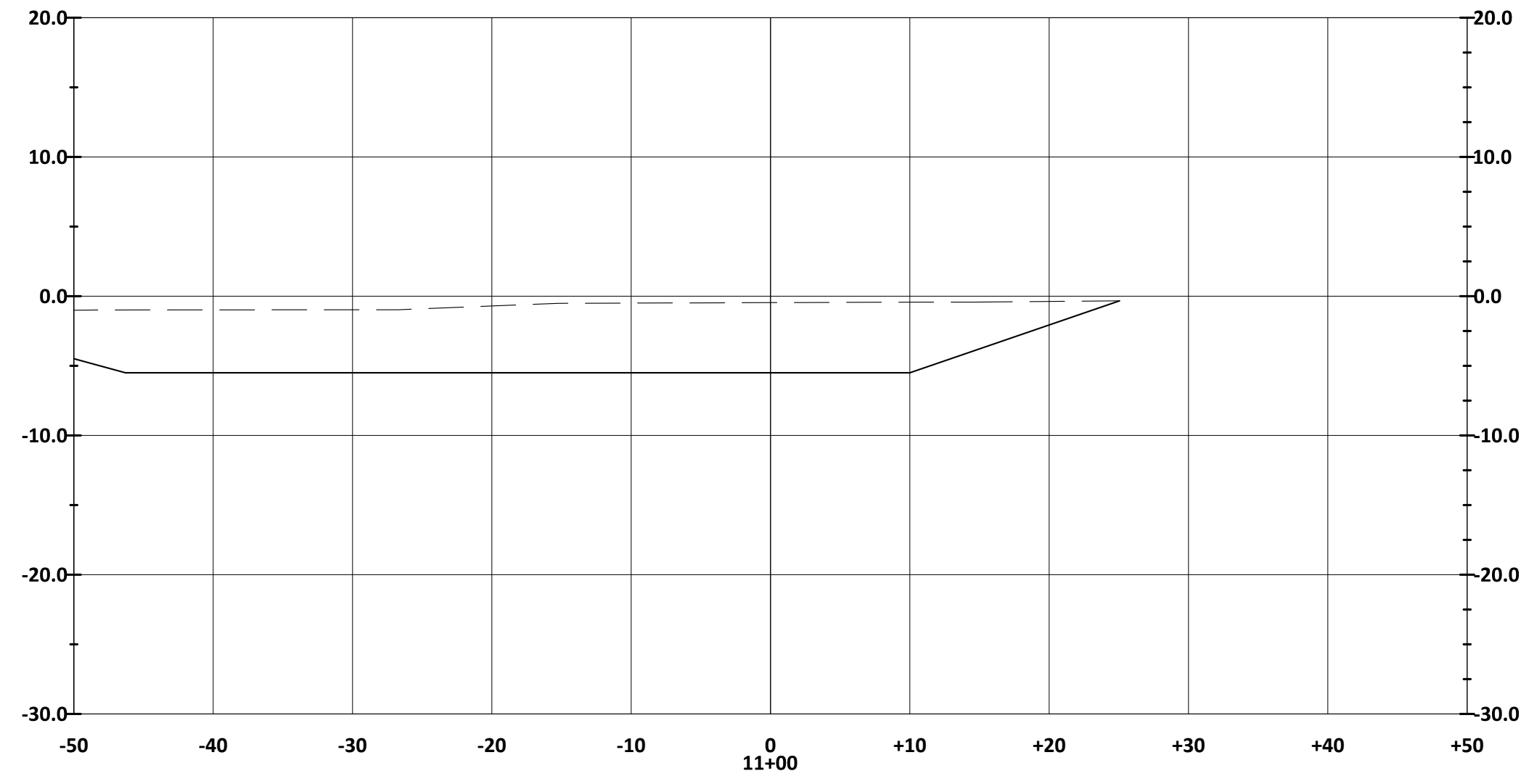


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**COUNTY OF LEVY, FLORIDA**  
**SHELL MOUND**  
**BOAT RAMP IMPROVEMENTS**

CROSS SECTIONS STA 7+00 TO STA 7+50

DRAWING  
**C-6**



**CROSS SECTIONS**  
 SCALES  
 VERT: 1"=20'  
 HORIZ: 1"=20'

NO	REVISIONS	APPD	DATE
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PROJECT NO: 20850  
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COUNTY OF LEVY, FLORIDA  
 SHELL MOUND  
 BOAT RAMP IMPROVEMENTS  
 CROSS SECTIONS STA 10+00 TO STA 12+50

**NARRATIVE**

- 1. DESCRIPTION OF CONSTRUCTION ACTIVITY: CHANNEL MAINTENANCE DREDGING, DEWATERING OF DREDGED MATERIAL.
- 2. SITE AREA INFORMATION:  
 TOTAL AREA OF THE LIMITS OF CONSTRUCTION = 1.9 AC  
 TOTAL DISTURBANCE AREA = 1.6 AC  
 DRAINAGE AREA CONTRIBUTING TO DEWATERING AREA = 1.7 AC  
 DRAINAGE AREA CONTRIBUTING TO DEWATERING AREA DATA:  
 RUNOFF COEFFICIENTS:  
 BEFORE = 0.3  
 DURING = 0.4 TO 0.5  
 AFTER = 0.3
- 3. PROPOSED SEQUENCE OF LAND DISTURBING ACTIVITIES, INCLUDING SEQUENCE DURING THE CONSTRUCTION PROCESS IN WHICH THE MEASURES WILL BE INSTALLED. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR APPROVED BY THE ENGINEER. FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.
  - 3.1. CONSTRUCT DEWATERING SYSTEM WITHIN THE DESIGNATED AREA AND ASSOCIATED PERIMETER CONTROLS.
  - 3.2. DREDGING OF CHANNEL AND DEWATERING OF DREDGED MATERIAL.
  - 3.3. OFFSITE DISPOSAL OF DREDGED MATERIAL.
  - 3.4. REPEAT 3.2 AND 3.3 UNTIL DREDGING IS COMPLETE.
  - 3.5. RESTORE DISTURBED UPLAND AREAS TO PRE-CONSTRUCTION CONDITION.
- 4. DESCRIPTION OF THE SOILS AND AN IDENTIFICATION OF THOSE THAT ARE HIGHLY ERODIBLE:  
 37 - MYAKKA MUCK - MUCK AND SAND; POORLY DRAINED; SHALLOW WATER TABLE  
 43 - TIDEWATER MUCK - MUCKY CLAY, SILTY CLAY, SANDY CLAY LOAM, LOAMY FINED SAND; VERY POORLY DRAINED; TIDAL
- 5. AFFECTED DRAINAGE AREAS AND MAJOR DISCHARGE POINTS:  
 SHELL MOUND CAMPGROUND - NO MAJOR DISCHARGE POINT, DISPERSED FLOW ALONG BOUNDARIES
- 6. LATITUDE AND LONGITUDE OF EACH MAJOR DISCHARGE POINT:  
 N/A, SEE PREVIOUS
- 7. NAMES OF RECEIVING WATER(S):  
 GULF OF MEXICO (CEDAR KEY)
- 8. DESCRIPTION OF PROPOSED POLLUTION CONTROL MEASURES OR BMPs TO BE USED:  
 a. NON-STRUCTURAL CONTROL PRACTICES:  
 DREDGING ALIGNMENT CHOSEN TO MINIMIZE IMPACTS TO MARINE BIVALVES  
 b. STRUCTURAL CONTROL PRACTICES:  
 SILT FENCE, DEWATERING SYSTEM SUCH AS DEWATERING GEOTEXTILE TUBES
- 9. ESTIMATED CONSTRUCTION SCHEDULE:  
 START DATE = TBD  
 COMPLETION DATE = TBD  
 STABILIZATION SCHEDULE  
 INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES = **X**  
 CONSTRUCTION OF DEWATERING SYSTEM = **X**  
 DREDGING, DEWATERING, AND OFFSITE DISPOSAL OF DREDGED MATERIAL = **X**  
 UPLANDS RESTORED TO PRE-CONSTRUCTION CONDITION = **X**
- 10. THE CONTRACTOR RESPONSIBLE FOR THE BMP IMPLEMENTATION, INSPECTION, AND MAINTENANCE:  
 CONTRACTOR TO BE DETERMINED AT A LATER DATE THROUGH A PUBLIC BID PROCESS.
- 11. CALCULATIONS:  
 N/A
- 12. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS REGARDING EROSION AND TURBIDITY CONTROLS:  
 THE FOLLOWING PERMITS HAVE BEEN OBTAINED.  
 PERMIT # **X**  
 ACOE PERMIT # **X**  
 ENVIRONMENTAL RESOURCE PERMIT # **X**
- 13. INVENTORY FOR POLLUTION PREVENTION PLAN:  
 THE MATERIAL OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:  
 CONCRETE, WOOD, FERTILIZERS, ASPHALT, MASONRY BLOCKS, PETROLEUM BASED PRODUCTS, TAR, ROOFING MATERIALS, CLEANING SOLVENTS, DETERGENTS, METAL STUDS, PAINTS

**RECORD REQUIREMENTS**

THE CONTRACTOR SHALL, AT A MINIMUM, PERFORM AND DOCUMENT THE FOLLOWING RECORD KEEPING TASKS IN A REGULAR AND EXPEDIENT MANNER WHILE CONSTRUCTION ACTIVITIES ARE OCCURRING.

- 1. CONTRACTORS MUST RECORD THE FOLLOWING DATES:
  - A) WHEN MAJOR GRADING ACTIVITIES OCCUR
  - B) WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE
  - C) WHEN STABILIZATION (I.E. EROSION CONTROL) MEASURES BEGIN
- 2. CONTRACTORS ARE TO PROVIDE QUALIFIED INSPECTORS WHO HAVE KNOWLEDGE AND EXPERIENCE IN THE PRINCIPLES AND PRACTICE OF SEDIMENT AND EROSION CONTROL AND CAN COMPLETE PROJECT SITE INSPECTIONS:
  - A) AT LEAST ONCE EVERY SEVEN (7) DAYS
  - B) WITHIN 24 HOURS AFTER THE END OF A STORM EVENT OF 0.50-INCHES OR MORE. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL.
  - C) WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
- 3. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE, AND LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. COPIES OF THE INSPECTION REPORTS WILL BE SUBMITTED TO THE OWNER AND INCLUDE DOCUMENTATION OF REMEDIAL ACTION TO ADDRESS SYSTEM FAILURES. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

4. THE CONTRACTOR WILL PROVIDE THE OWNER A COPY OF THE NPDES PERMIT AND THE SWPPP.

**INSPECTION AND MAINTENANCE REQUIREMENTS**

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES  
THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

- 1. ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- 2. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
- 3. SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- 4. CONSTRUCTION ENTRANCES WILL BE INSPECTED FOR DEPTH OF CRUSHED STONE BED AND FILTER FABRIC CONDITION.
- 5. THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.
- 6. DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- 7. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

**UPDATING REQUIREMENTS**

- 1. THE STORMWATER POLLUTION PREVENTION PLANS (SWPPP) AND EROSION AND SEDIMENT CONTROL (E&SC) PLANS CONTAINED HEREIN PROVIDE ONLY THE INITIAL AND MINIMUM REQUIREMENTS, AND PROJECT SPECIFIC STRUCTURAL BMPs NECESSARY FOR THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MODIFY AND UPDATE THESE PLANS ACCORDING TO THEIR OPERATIONS ON SITE. IN ADDITION, THE CONTRACTOR SHALL REVISE THESE DOCUMENTS:
  - a) WITHIN SEVEN CALENDAR DAYS FOLLOWING AN INSPECTION WHEN ADDITIONS AND/OR MODIFICATIONS TO BMPs ARE NECESSARY TO CORRECT OBSERVED PROBLEMS.
  - b) WHENEVER A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE CONSTRUCTION SITE HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THE DOCUMENTS.
  - c) WHENEVER DISCHARGES ARE CAUSING WATER QUALITY "EXCEEDANCES" (AN EPA TERM) OR THE BMPs ARE INEFFECTIVE (TO AN EXTENT PRACTICAL) IN MINIMIZING POLLUTANTS IN STORMWATER DISCHARGING FROM THE CONSTRUCTION SITE.

NO	REVISIONS	APPD	DATE

PROJECT NO: 20850  
 DESIGNED: M.HOFFMAN  
 CAD COORD: D.METZ  
 CAD: D.METZ  
 CHECKED: DATE:  
 APPROVED: DATE:  
 SUBMISSIONS: 60% DESIGN



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**WRIGHT-PIERCE**

COUNTY OF LEVY, FLORIDA  
 SHELL MOUND  
 BOAT RAMP IMPROVEMENTS

**EROSION AND SEDIMENT CONTROL NOTES AND REQUIREMENTS**

**GENERAL REQUIREMENTS**

- 1. THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION CONTROL PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE, AND LOCAL LAWS. REFER TO THESE EROSION AND SEDIMENT STABILIZATION PRACTICES FOR THE CONTROLS THAT MAY BE IMPLEMENTED.
- 2. THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED HEREIN AND THOSE MEASURES SHOWN IN THE PLANS. IN ADDITION, THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED FOR COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL APPLY FOR AND COMPLY WITH A FLORIDA NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL OBTAIN WATER MANAGEMENT DISTRICT APPROVAL FOR DEWATERING PER FAC 40C22.
- 3. THE CONTRACTOR WILL BE RESPONSIBLE FOR APPLYING FOR AND PAYING FOR THE PERMIT FEE FOR THE NOTICE OF INTENT (NOI) AND THE NOTICE OF TERMINATION (NOT) FORMS.
- 4. TIMING OF CONTROLS/MEASURES. AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASINS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS AND THE EARTH BERM/SWALES REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL STATE AND LOCAL EROSION AND SEDIMENT CONTROL PLAN AND AS REQUIRED TO MEET THE SEDIMENT AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES, AND ALACHUA COUNTY CODE CHAPTER 77.

**EROSION AND SEDIMENT CONTROL - STABILIZATION PRACTICES**

- 1. LOCATION OF STAKED SILT FENCE. STAKED SILT FENCE SHALL BE PLACED ALONG THE BOUNDARY OF FILL SLOPES, ALONG THE LIMITS OF CONSTRUCTION, AND AROUND ALL PROPOSED INLETS AND STRUCTURES. SILT FENCE SHALL BE USED AROUND ALL EXCAVATED MATERIAL IN THEIR TEMPORARY LOCATIONS DURING CONSTRUCTION.
- 2. LOCATION OF FLOATING TURBIDITY BARRIERS. FLOATING TURBIDITY BARRIERS SHALL BE PLACED DOWNSTREAM OF THE CULVERT REPLACEMENTS.
- 3. OFF-SITE VEHICLE TRACKING. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARP/PAULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY. AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE DAMPENED WITH WATER AS REQUIRED FOR DUST CONTROL.
- 4. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES AFTER THE NOTICE OF TERMINATION. MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE PROJECT COST.
- 5. DISTURBED, GRADED OR REGRADED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE, OR WITHIN 7 DAYS IF SUCH AREAS ARE TO REMAIN IDLE FOR MORE THAN 7 DAYS.
- 6. STRAW BALE BARRIER: STRAW BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
  - A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
  - B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2.0 ACRES.
  - C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
  - D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.
- 7. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
  - a. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
  - b. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2.0 ACRES.
- 8. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
- 9. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL SPREADER IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
- 10. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
- 11. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, ERODIBLE SOIL EXPOSED BY CLEARING GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 2.0 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREA WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
- 12. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 21 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS. SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPLETE WITH THE PERMANENT GRASSING.
- 13. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 7 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 150 MM LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH OR HYDROMULCHED.
- 14. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
- 15. TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
- 16. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
- 17. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
- 18. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 6:1 SHALL BE SODDED.


- 19. WHERE SODDING IS CALLED FOR IN THE PLANS, SOD THAT IS PLACED ON SLOPES OF 3:1 OR GREATER SHALL BE PEGGED.
- 20. OFFSITE VEHICLE TRACKING: STABILIZED CONSTRUCTION ACCESS DRIVES SHALL BE CONSTRUCTED AT ALL POINTS ENTERING AND EXITING THE PROJECT SITE FROM PAVED ROADS. CONSTRUCTION ACCESS DRIVES SHALL HAVE A MINIMUM 6 INCH THICKNESS OF DURABLE ROCK OVER A FILTER FABRIC FREE OF TEARS AND FIRMLY SECURED. ACCESS DRIVES SHALL BE REMOVED AND RESTORED AT THE COMPLETION OF THE PROJECT.

**EROSION AND SEDIMENT CONTROL - WASTE AND MATERIAL CONTROLS**

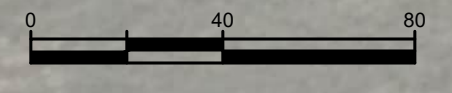
- 1. WASTE MATERIALS: ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. LAND CLEARING DEBRIS CAN BE BURNED IN ACCORDANCE WITH STATE AND ALACHUA COUNTY CODE CHAPTER 263.
- 2. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.
- 3. SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.
- 4. PAVED AREAS ADJACENT TO ALL CONSTRUCTION ACCESS POINTS SHALL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.
- 5. SPILL PREVENTION: THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.
  - a. GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.
    - i. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
    - ii. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
    - iii. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
    - iv. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
    - v. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
    - vi. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
    - vii. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.
  - b. HAZARDOUS MATERIALS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
    - i. HAZARDOUS MATERIALS AND/OR TOXIC SUBSTANCES SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO THE EPA'S STANDARD PRACTICES, THE MANUFACTURER'S RECOMMENDATION OR IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
    - ii. THE CONTRACTOR SHALL MAINTAIN COPIES OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE ON THE PROJECT. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE ON THE PROJECT AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED A MSDS SUBMITTAL.
    - iii. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS.
    - iv. MATERIALS WILL BE STORED IN ACCORDANCE WITH ALACHUA COUNTY CODE CHAPTER 353.
    - v. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED AND AVAILABLE ON SITE.
  - c. PRODUCT SPECIFIC PRACTICES: THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:
    - i. PETROLEUM AND LUBRICANT PRODUCTS. ALL ONSITE VEHICLES AND EQUIPMENT (I.E. - DEWATERING PUMPS) WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. FLUID PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. CONTAINMENT BERMS WILL BE CONSTRUCTED AROUND ALL FUEL STORAGE TANKS USED FOR CONSTRUCTION. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
    - ii. FERTILIZERS. FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER AND IN ACCORDANCE WITH ALACHUA COUNTY CODE CHAPTER 78 ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
    - iii. PAINTS. ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
    - iv. CONCRETE TRUCKS. CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER TO DITCHES, PONDS OR OTHER WATERWAYS. WASHWATER SHALL BE COLLECTED IN A TEMPORARY SETTLING POND.

**EROSION AND SEDIMENT CONTROL - SPILL CONTROLS**

- 1. SPILL CONTROL PRACTICES: IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
  - a. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE METHODS AND POSTED LOCATION.
- 2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, OIL BLANKETS, GLOVES, GOGGLES, LIQUID ABSORBENT (I.E. KITTY LITTER OR EQUAL), SAND SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, BY THE CONTRACTOR.
- 3. THE SPILL AREA WILL BE KEPT WILL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- 4. SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED IMMEDIATELY TO OWNER AND ENGINEER.
- 5. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
- 6. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE SHALL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL, WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS SHALL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

PROJECT NO: 20850	DESIGNED: M-HOFFMAN	CAD COORD: D-METZ	CAD: D-METZ	CHECKED:	DATE:	APPROVED:	DATE:	SUBMISSION: 60% DESIGN
 <b>WRIGHT-PIERCE</b> 800.422.1095   www.wright-pierce.com <small>3820 NORTHDIALE BOULEVARD, SUITE 109A, TAMPA, FL 33624</small>								
<b>COUNTY OF LEVY, FLORIDA</b> <b>SHELL MOUND</b> <b>BOAT RAMP IMPROVEMENTS</b>				<b>STORMWATER POLLUTION PREVENTION NOTES II</b>				
DRAWING								
C-9								

NO	DATE	BY	REVISIONS



**STORMWATER POLLUTION PREVENTION PLAN**

SCALE: 1"=40'

NO	REVISIONS	APPD	DATE

PROJECT NO: 20850  
 DESIGNED: M.HOFFMAN  
 CAD COORD: D.METZ  
 CAD: D.METZ  
 CHECKED:       
 DATE:       
 APPROVED:       
 DATE:       
 SUBMISSION: 60% DESIGN

Parcel ID: 0005800000  
 United States Of America  
 Washington, DC 20240

Parcel ID: 0005900000  
 Levy County Board of Commission  
 PO Drawer 310  
 Bronson, FL 32621

Parcel ID: 0005800000  
 United States Of America  
 Washington, DC 20240

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COUNTY OF LEVY, FLORIDA  
 SHELL MOUND  
 BOAT RAMP IMPROVEMENTS

STORMWATER POLLUTION PREVENTION PLAN

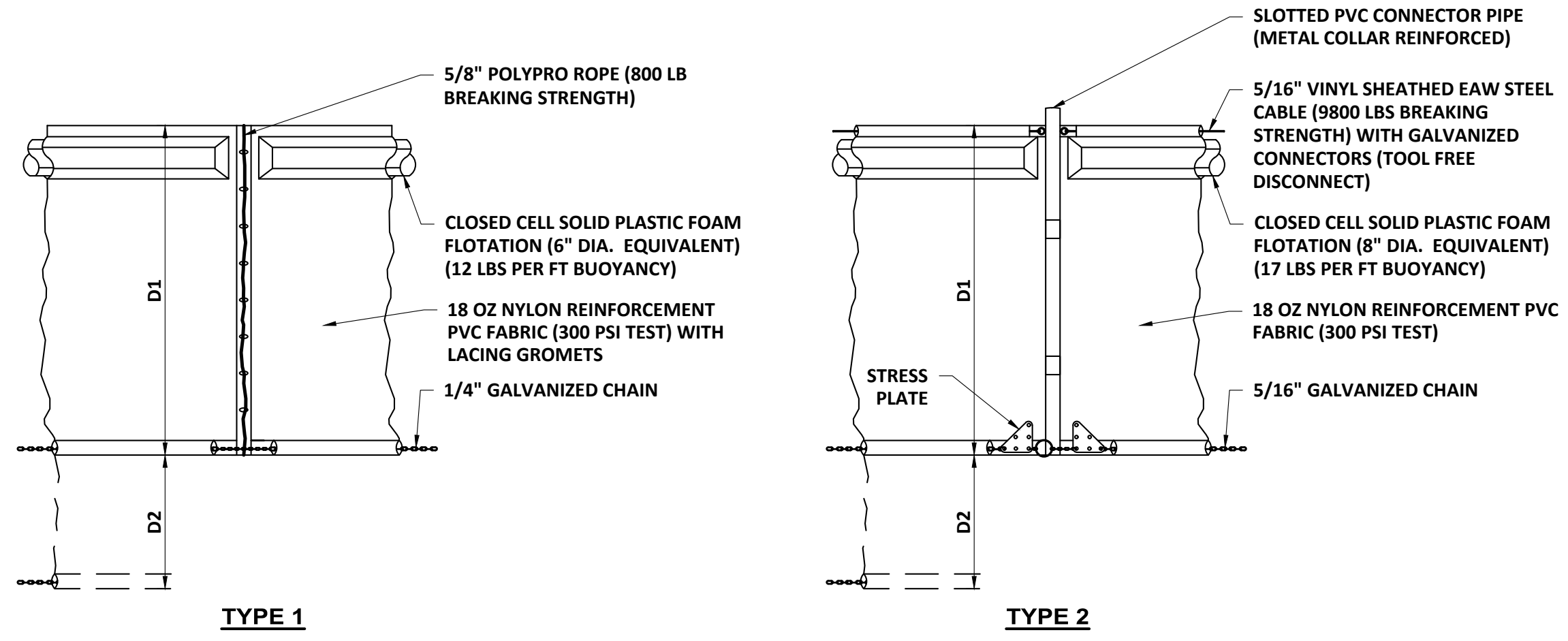
DRAWING  
**C-10**

TBM #2  
 NORTHING: 1773801.2  
 EASTING: 317316.5  
 ELEVATION = 11.39  
 SET PK NAIL & DISK LABELED "SURVTECH  
 TRAV. 17" IN ASPHALT PAVEMENT, 143'  
 SOUTHWEST OF A POWER POLE, 160'  
 SOUTHEAST OF A GRILL

TBM #1  
 NORTHING: 1773698.8  
 EASTING: 317027.1  
 ELEVATION = 13.89  
 SET PK NAIL & DISK LABELED "SURVTECH  
 TRAV. 17" IN ASPHALT PAVEMENT, 29'  
 SOUTHWEST OF A POWER POLE, 320'  
 NORTHWEST OF A GRILL

APPROXIMATE NORTH  
 ROW BOUNDARY OF SW  
 78TH PLACE





**TYPE 1**

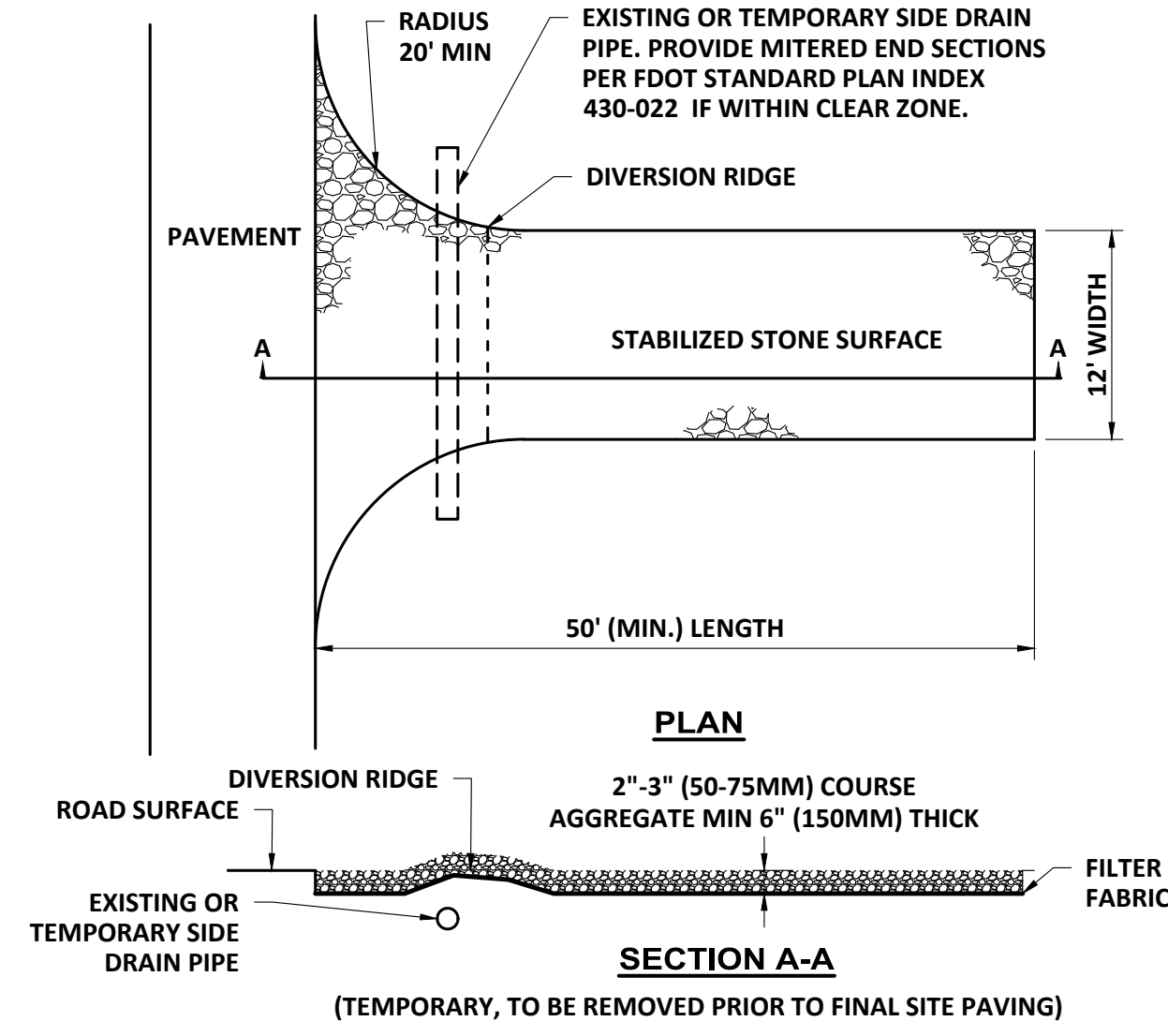
D1 = 5' STD (SINGLE PANEL FOR DEPTHS 5' OR LESS)

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 CALL FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

**NOTICE:** COMPONENTS OF TYPES 1 AND 2 MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES 1 AND 2 SHALL BE AS APPROVED BY THE ENGINEER.

**TYPICAL FLOATING TURBIDITY BARRIER DETAIL**  
SCALE: NTS

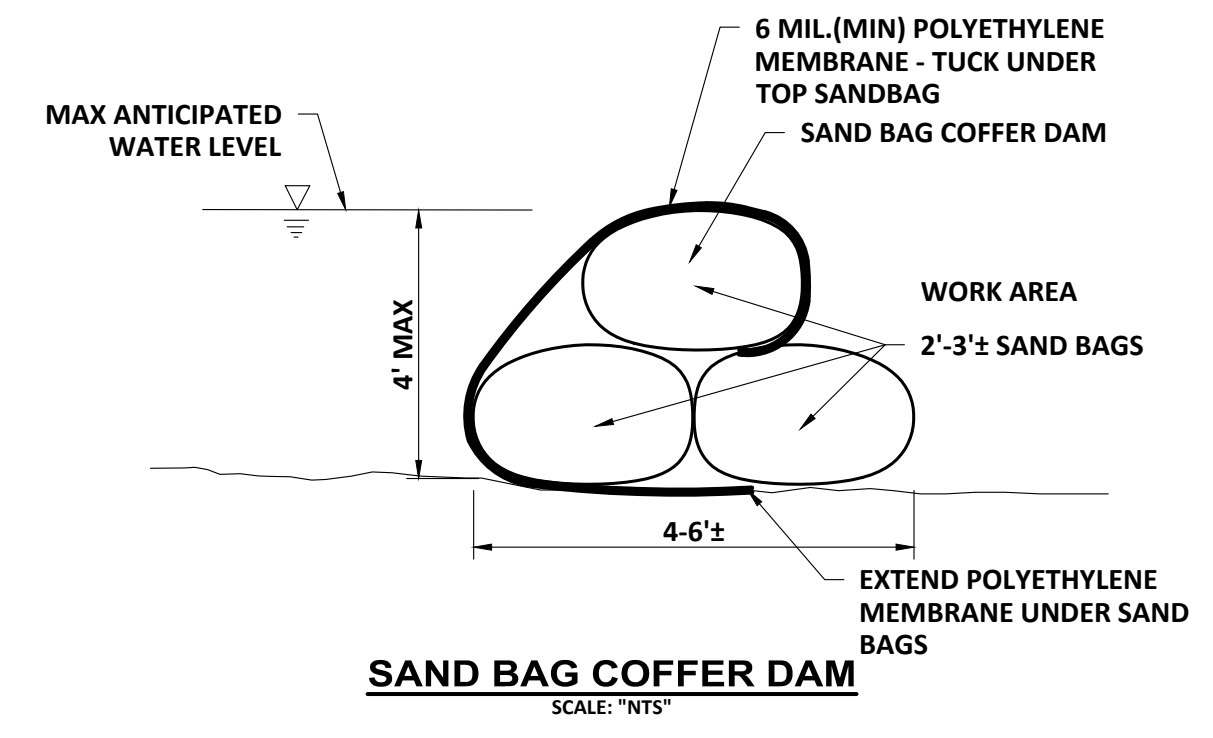


**SECTION A-A**

(TEMPORARY, TO BE REMOVED PRIOR TO FINAL SITE PAVING)

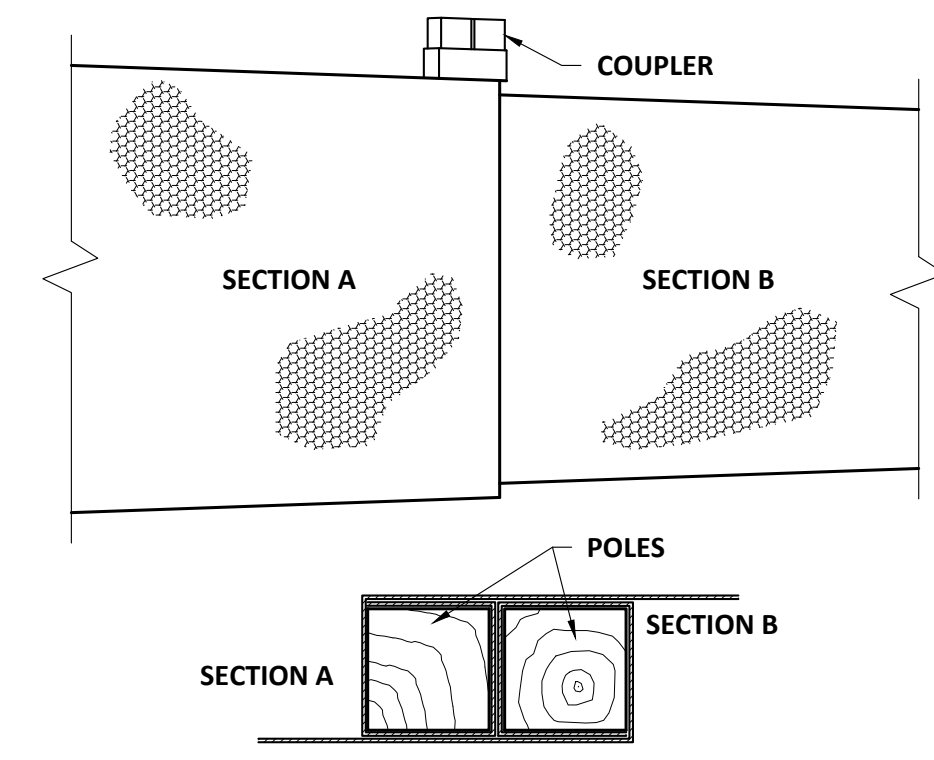
- NOTE:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWINGS OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: "NTS"



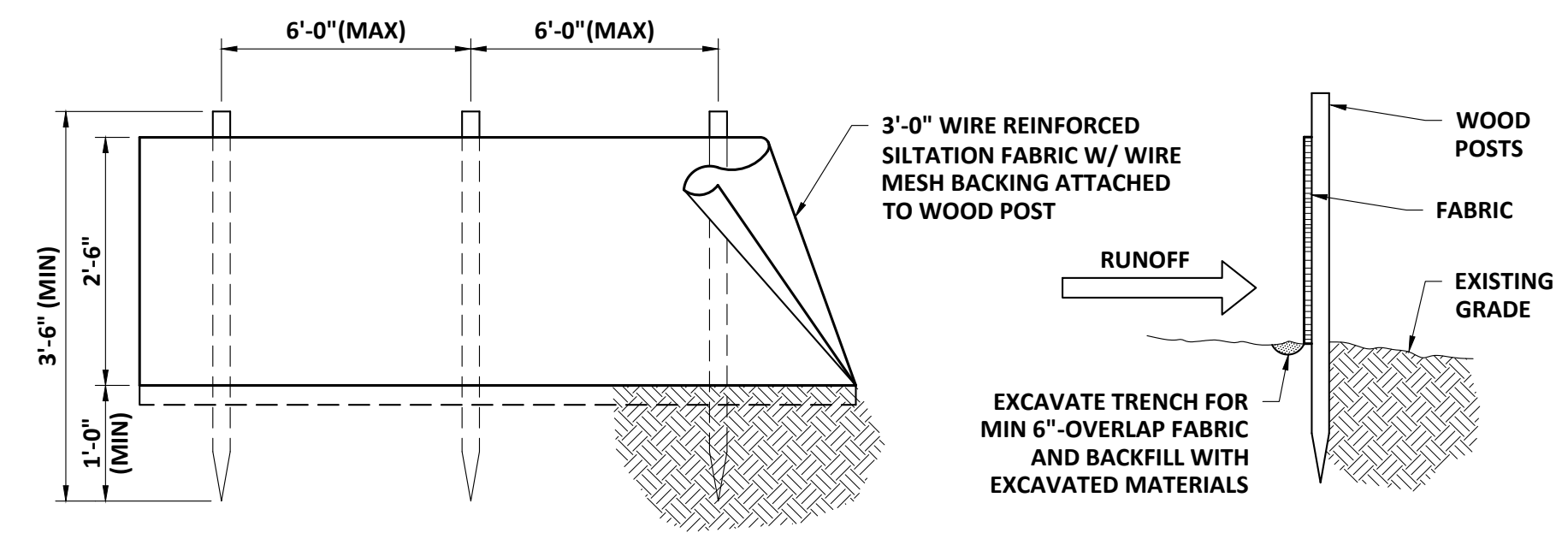
**SAND BAG COFFER DAM**

SCALE: "NTS"



**JOINING SILT FENCE SECTIONS**

SCALE: "NTS"



**SILT FENCE INSTALLATION DETAIL**

SCALE: NTS

NO	REVISIONS	APPD	DATE

PROJECT NO: 20850	DESIGNED: M.HOFFMAN
CAD COORD: D.METZ	CAD: D.METZ
CHECKED: DATE:	APPROVED: DATE:
SUBMISSION: 60% DESIGN	


**WRIGHT-PIERCE**  
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COUNTY OF LEVY, FLORIDA  
SHELL MOUND  
BOAT RAMP IMPROVEMENTS

STORMWATER POLLUTION PREVENTION DETAILS



**TRAFFIC MAINTENANCE PLAN**  
SCALE: 1"=60'

- MAINTENANCE OF TRAFFIC NOTES:**
1. PROVIDE NOTICE TO OWNER 5 BUSINESS DAYS BEFORE TRAFFIC CONTROL PLAN IS INITIATED
  2. COMMENCE TRAFFIC CONTROL PLAN IMPLEMENTATION BEFORE OR STARTING THE DAY WORK BEGINS ON THE PROJECT.
  3. CONTRACTOR MAY PROPOSE AN ALTERNATIVE TRAFFIC CONTROL PLAN TO THE PLAN PRESENTED. OWNER RESERVES THE RIGHT TO REJECT ANY ALTERNATIVE TRAFFIC CONTROL PLAN.
  4. CONTRACTOR TO PROVIDE A WORK SITE TRAFFIC SUPERVISOR WHO IS RESPONSIBLE FOR INITIATING, INSTALLING, AND MAINTAINING ALL TEMPORARY TRAFFIC CONTROL DEVICES AS DESCRIBED ABOVE AND IN THE PLANS.
  5. CONDUCT OPERATIONS IN SUCH A MANNER THAT NO UNDUE HAZARD RESULTS FROM THE EXECUTION OF THE TRAFFIC CONTROL PLAN. PROCEDURES AND POLICIES DESCRIBED HEREIN IN NO WAY ACTS AS A WAIVER OF ANY TERMS OF THE LIABILITY OF THE CONTRACTOR OR HIS/HER SURETY.

PROJECT NO: 20850		DESIGNED: M.HOFFMAN	APP'D DATE:
CAD COORD: D.METZ		CAD: D.METZ	
CHECKED:		DATE:	
APPROVED:		DATE:	
SUBMISSION: 60% DESIGN			
NO	REVISIONS		
<p><b>WRIGHT-PIERCE</b> 800.422.1095   www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624</p>		<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>	
DRAWING		TRAFFIC MAINTENANCE PLAN	
C-12			



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