



FLORIDA FISH & WILDLIFE CONSERVATION COMMISSION

MARCH 2024

Grant Application

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





LEVY COUNTY BOARD OF COUNTY COMMISSIONERS COMMISSIONERS
Government Serving Citizens

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

March 6, 2024

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 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 2024.

A FBIP grant for the design and permitting of the dredging was approved during the 2021-2022 cycle. Since that time the plans have been completed and all permits have been obtained.

Some key points regarding this application include:

- Type of Request: Construction
- Phase 2 Request: \$869,460
- 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

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

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

**Application Form and
Rural Economic Development Initiative and
Florida Recreation Development Assistance
Program Request for Match Waiver Form**





Florida Boating Improvement Program Grant Application

FOR OFFICE USE ONLY	
Grant Application Number :	Date Received:

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

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

II – PROJECT SUMMARY	
Project Title: Shell Mound Boat Ramp Channel Improvements	
Type of Application: <input type="checkbox"/> New (never considered before) <input type="checkbox"/> Reconsideration <input checked="" type="checkbox"/> Phased Continuation–Phase No.: 2	
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: \$ 869,460.00 FBIP Amount Requested: \$ 869,460	
Project Summary: 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. 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. The Boat Ramp is owned, operated and maintained by Levy County. 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. The project is shovel ready with construction plans, specifications, and permits.	

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. 35.94 sec. Longitude: W 83 deg. 3 min. 47.62 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: **85.00** % Motorboats/Sailboats **15.00** % 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: **42.00** Ft.

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

Moorage or Tie-up Dock: **0.00** Ft or **0.00** 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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump-out Station: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Showers: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Garbage Cans/Dumpster: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Laundry Facilities: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hoist Launching System: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shelters at Launch Sites: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wave attenuation /Breakwater: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Florida Department of Environmental Protection	<input type="checkbox"/>	<input checked="" 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 completed and was funded by a grant from the FBIP in 2021-2022 cycle.

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. 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 Boat Ramp is unique in that it offers boaters the ability to camp near the boat ramp allowing boaters to maximize their time spent at 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.

The improvements from the dredging will result in increased safety when using the boat ramp by all boaters and increased accessibility for boaters with motorized vessels not previously able to safely navigate the boat ramp. These benefits will likely increase the number of boaters using the boat ramp, increase the amount of individuals experiencing the unique natural habitats present in this area, and improve the overall recreational boating experience offered by the Shell Mound Boat Ramp.

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

Goal: Levy County will utilize the approved design, engineering plans and permits to procure contracted services to complete the channel dredging.

Goal Completion Date: 12/2024

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-foot by 40-foot 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-foot by 11-foot aluminum compliant ramp connected to the existing floating dock that is adjacent to the boat ramp: Complete by 09/2020*

Goal 1: Goal: Levy County will utilize the approved design, engineering plans and permits to procure contracted services to complete the channel dredging.

Tasks:

Pre Bid Meeting: 8/2024

Bidding: 9/2024

Evaluation of Bids and Award: 10/2024

Begin Construction: 10/2024

Construction Closeout: 12/2024

VIII – BUDGET			
Budget Category	FBIP Request	Cost Share	Total (FBIP + Cost Share)
Administration (Project Management)	\$	\$	\$
Contracted Services	\$ 36,227	\$ see note 1	\$ 36,227
Permitting & Project Inspection Fees	\$	\$	\$
Site Preparation	\$	\$	\$
Demolition and Removal	\$	\$	\$
Construction	\$ 724,550	\$ see note 1	\$ 724,550
Equipment (Rental or In-Kind Use)	\$	\$	\$
Contingency Costs	\$ 108,683	\$ see note 1	\$ 108,683
Other Costs	\$	\$	\$
Pre-Award Costs	\$	\$	\$
TOTAL BUDGET:	\$ 869,460	\$	\$ 869,460
<small>1. Levy County is a REDI community and not required to provide matching funds. Form "Rural Economic Development Initiative and Florida Recreation Development Assistance Program Request for Match Waiver" follows this application.</small>			
Cost Share Breakout			
Grantee/Applicant Share: Non-cash/in-kind and cash funds			\$ 0.00
Partnerships (Other sources of funds): Public and private partners			\$ 0.00
FBIP Grant Request:			\$ 869,460.00
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

X – APPLICATION COMPLETION CHECKLIST	
<input checked="" type="checkbox"/>	Cover Letter: One (1) application transmittal cover letter (identify priority rank with multiple applications).
<input checked="" type="checkbox"/>	Application: Three (3) applications. One MUST have original signature from authorized individual.
<input checked="" type="checkbox"/>	Electronic Copy on CD: One (1) application with attachments on a CD.
-- Required Attachments --	
<input checked="" type="checkbox"/>	Authorization: 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"/>	Site Control Documentation: Site control documentation for the upland portion of project site (e.g. deed, lease, results of title search, etc.)
<input checked="" type="checkbox"/>	Boundary Map: Map indicating boundary of the project area being dedicated for public use.
<input checked="" type="checkbox"/>	Existing Condition Photographs: Sufficient photos to depict the physical characteristics of the project area.
<input checked="" type="checkbox"/>	Detailed Cost Estimate: 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"/>	Navigational Chart: 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"/>	Permits: Photocopies of all necessary project permit(s). If exempt, provide notification of exemption from permitting agency.
--- Optional Attachments ---	
<input checked="" type="checkbox"/>	Site Plan: Attach preliminary site plan or conceptual plan (if completed).
<input checked="" type="checkbox"/>	Support Letters: 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.

Matt Weldon

Director, Levy County Parks and Recreation

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

RESOLUTION NUMBER 2024-4

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF LEVY COUNTY, FLORIDA AUTHORIZING THE EXECUTION AND SUBMISSION OF A GRANT APPLICATION AND SUPPORTING DOCUMENTS AND ASSURANCES TO THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION FOR A 2024 FLORIDA BOATING IMPROVEMENT PROGRAM GRANT; DESIGNATING A COUNTY PROJECT MANAGER FOR THE GRANT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the State of Florida has established the Florida Boating Improvement Program (the "FBIP"), administered by the Florida Fish and Wildlife Conservation Commission, that provides grants to government entities for public boating access projects and other boating-related activities;

WHEREAS, Levy County owns and operates the Shell Mound Public Campground and Public Boat Ramp located at 17650 SW 78th Place, Cedar Key, Florida;

WHEREAS, Levy County (the "Applicant") desires to apply for a 2024 FBIP Grant to be used for improvements to boating access at the Shell Mound Boat Ramp;

WHEREAS, the Applicant has the fiscal and managerial capability and legal authority to apply for and accept grants and make purchases and/or expend funds pursuant to grant awards made by the State of Florida; and

WHEREAS, this Resolution is required to comply with FBIP Grant conditions.

NOW, THEREFORE, BE IT RESOLVED, by the Board of County Commissioners of Levy County, Florida (the "Board"), that:

1. The submission of the 2024 FBIP Grant application, together with all required supporting documents, certifications and assurances to the Florida Fish and Wildlife Conservation Commission for the purpose of improvements to boating access at the Shell Mound Boat Ramp is hereby approved.
2. The County Coordinator or the County Parks and Recreation Director are designated and authorized on behalf of the Applicant to: sign and submit the 2024 FBIP grant application and all required supporting documents and any application amendments; and to give all required certifications and assurances for purposes of the grant application.

3. If the FBIP grant is awarded to the County and the County Commission approves the Grant Agreement, the County Parks and Recreation Director is designated and authorized to serve as the County's Project Manager for the FBIP Grant.
4. This Resolution shall take effect immediately upon adoption.

Duly Adopted on _____, 2024.

**BOARD OF COUNTY COMMISSIONERS
LEVY COUNTY, FLORIDA**

Desiree Mills, Chair

ATTEST: Clerk of the Circuit Court
and Ex Officio Clerk to the Board

Danny J. Shipp

Approved as to form and legal sufficiency

Nicolle M. Shalley, County Attorney

Site Control Documentation





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
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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.

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

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Version 2.3.112

DEED

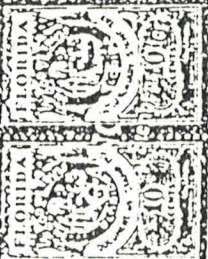
THIS INDENTURE, made and entered into this 10th day of June, A. D. 1957, by and between M. D. ANDREWS and MABEL ANDREWS, his wife, of Levy County, Florida, and H. C. BRENT, JR. and ELSIE M. BRENT, his wife, of Leon County, Florida, Parties of the first Part, and BOARD OF COUNTY COMMISSIONERS of Levy 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 393.18 feet west from the Northeast corner thereof, run thence South 50 degrees 02 minutes 44 seconds West 382.06 feet to the beginning of a curve concave to the Northwest, having a radius of 2864.79 feet, run thence Southwesterly 916.94 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 500 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





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

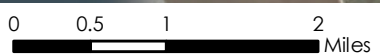
DATE:

3/19/2021

WRIGHT-PIERCE 
Engineering a Better Environment

FIGURE:

2



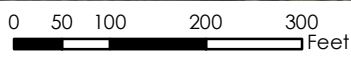
Aerial photography from Esri.

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

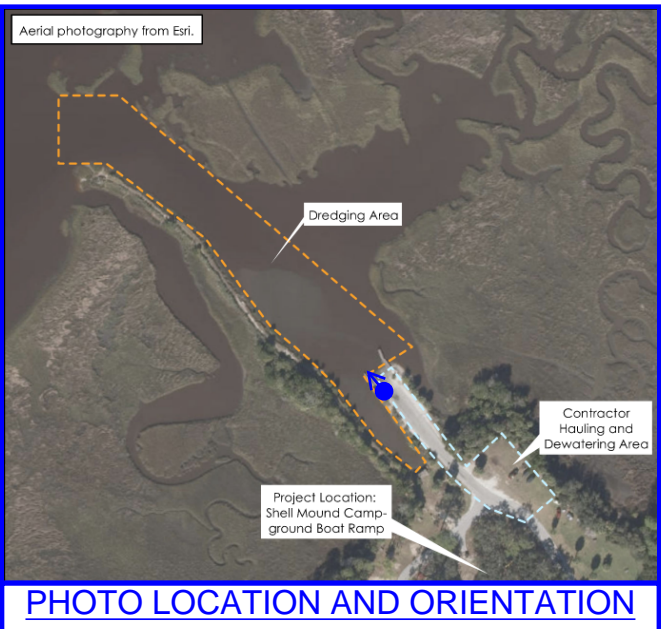
Existing Conditions Photos



PHOTO 1

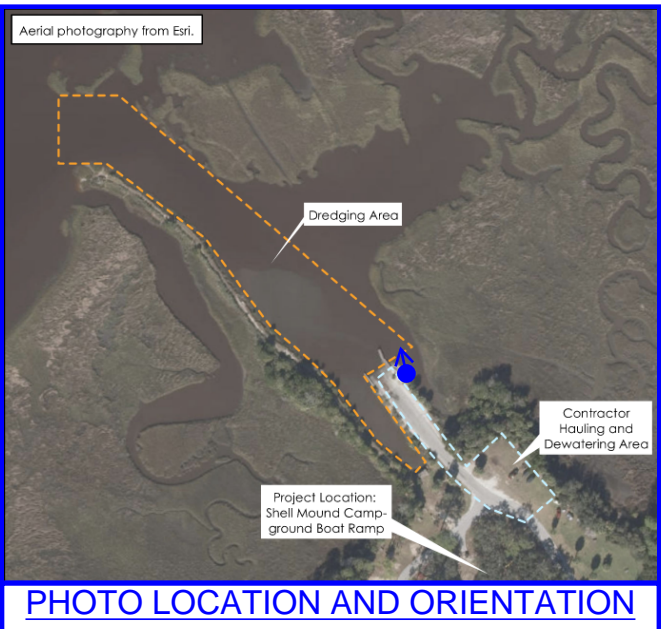


- NOTES:
- 1. PHOTOS TAKEN AT APPROXIMATELY 11AM ON 2/1/2024.
 - 2. LOW TIDE WAS APPROXIMATELY AT 11AM ON 2/1/2024 AT THIS LOCATION ACCORDING TO THE SHELL MOUND TIDE STATION (ID 8727535).





- NOTES:
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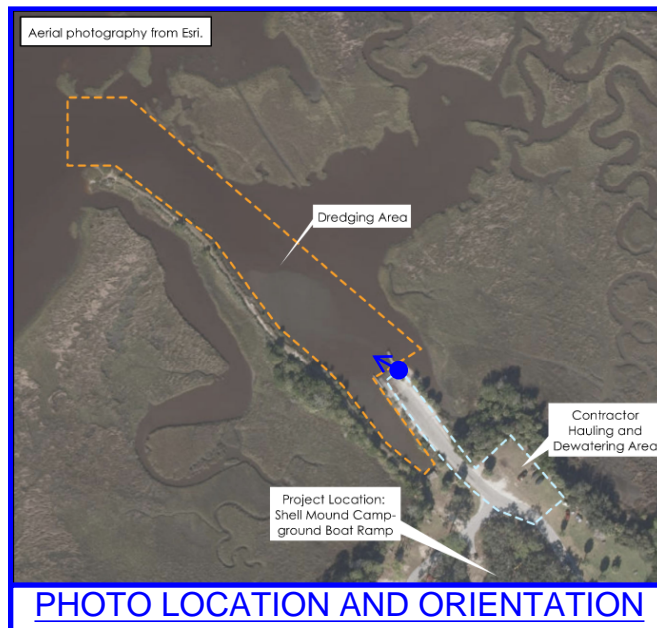




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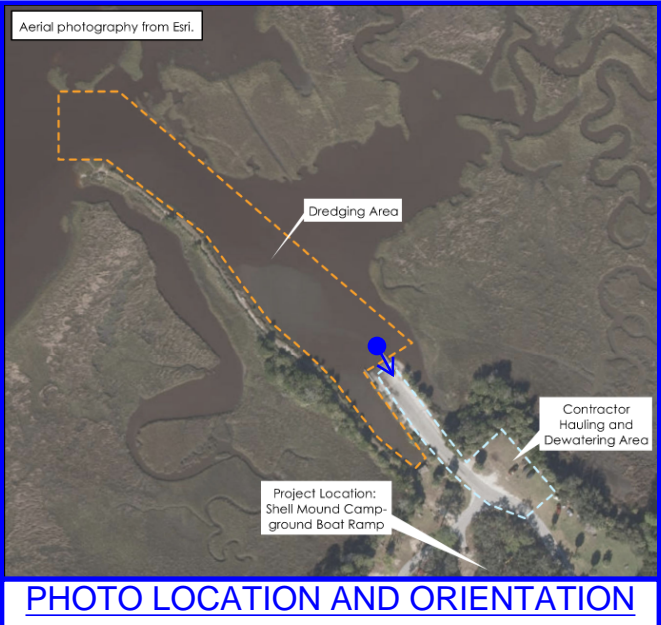
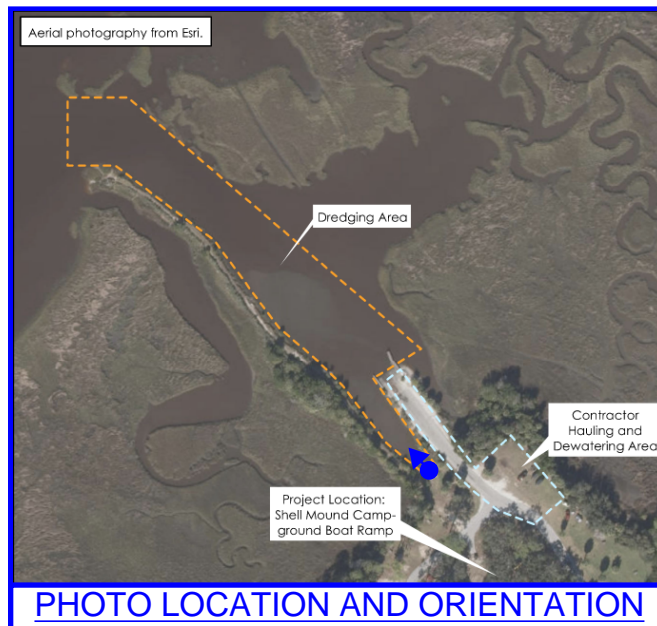


PHOTO LOCATION AND ORIENTATION



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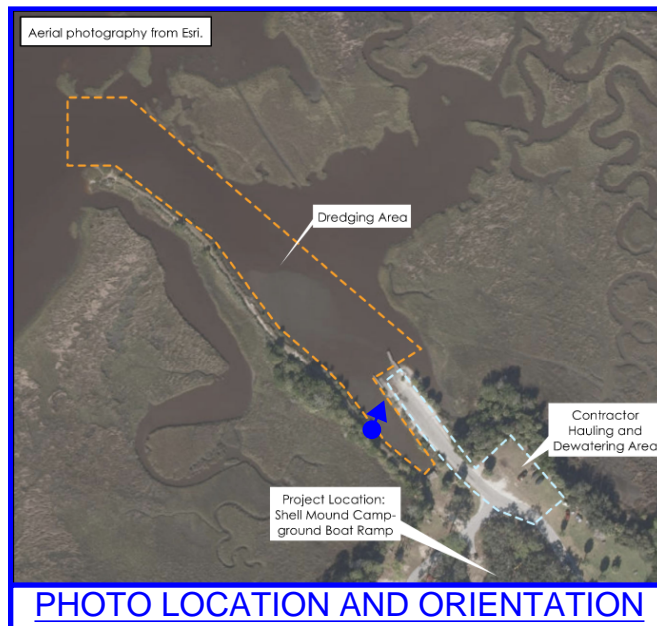
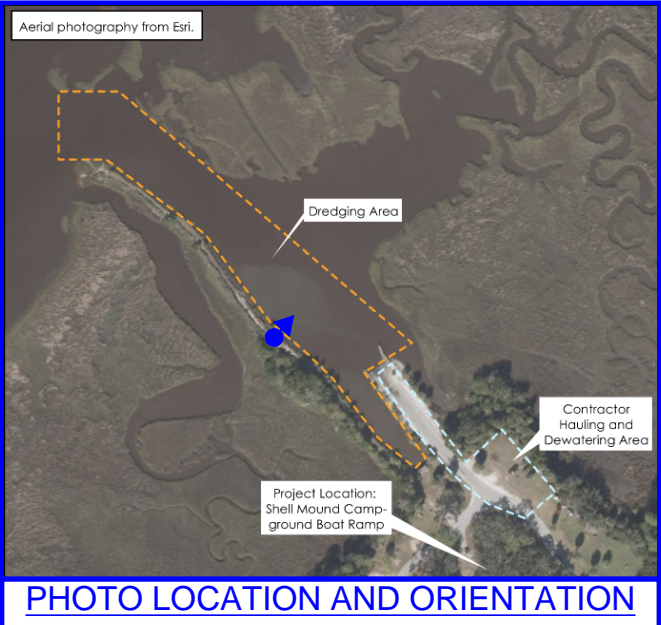


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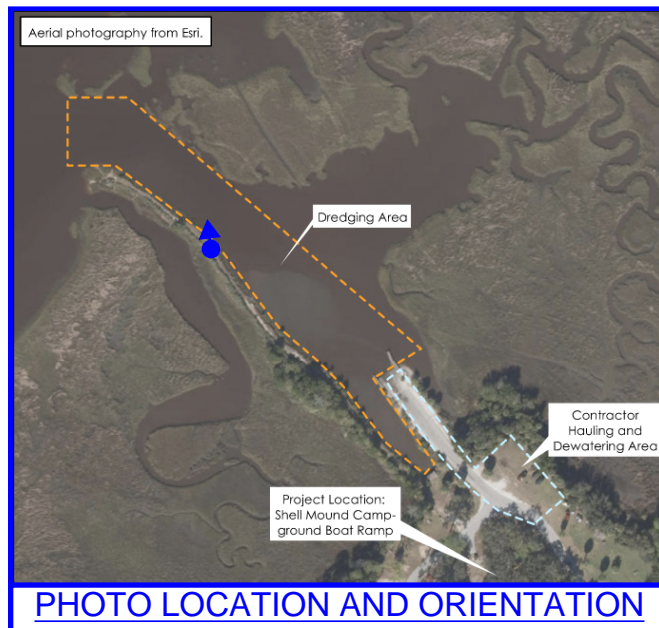


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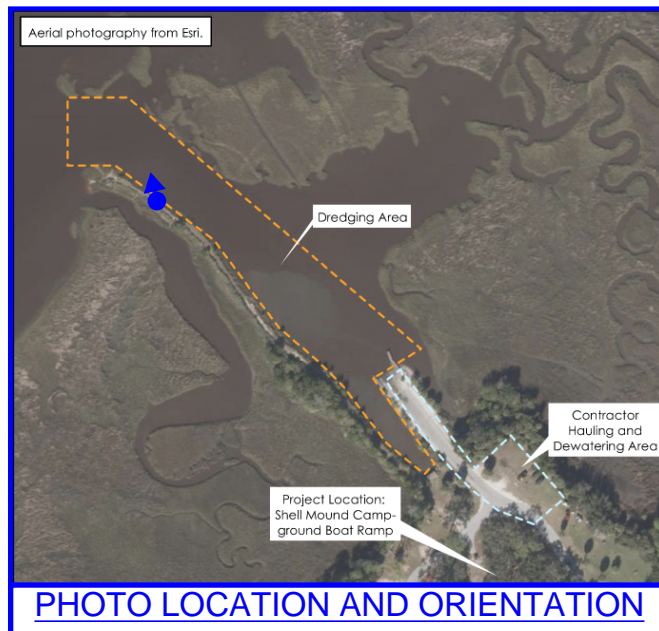


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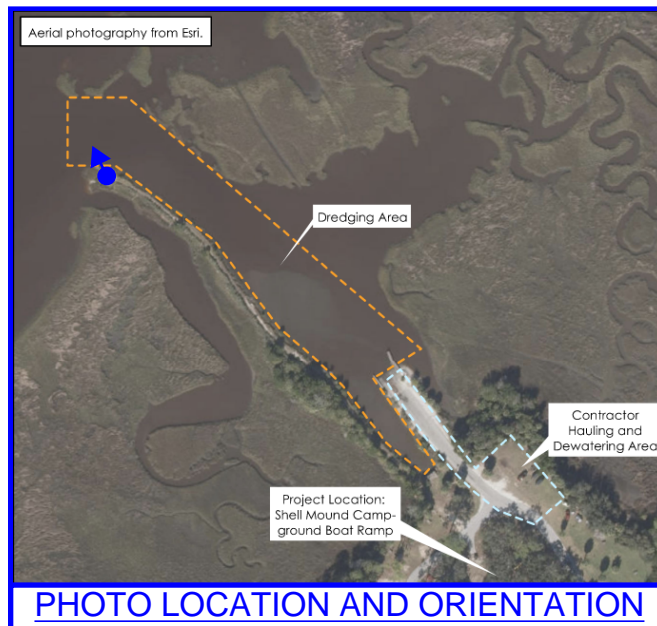


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Cost Estimate

Shell Mound Boat Ramp Improvements
 Engineer's Opinion of Probable Construction Cost
 Date: 8/25/2022, Rev1 5/24/2023, Rev2 2/22/2024
 Prepared By: Mike Hoffman



SHELL MOUND BOAT RAMP IMPROVEMENTS					
LEVY COUNTY					
BASE BID					
<i>Item No.</i>	<i>Item Description</i>	<i>Quantity</i>	<i>Units</i>	<i>Unit Cost</i>	<i>Total Cost</i>
	CONSTRUCTION				
	SEDIMENT BARRIER	510	LF	\$5.00	\$2,550
	FLOATING TURBIDITY BARRIER	1400	LF	\$40.00	\$56,000
	SOIL TRACKING PREVENTION DEVICE	1	EA	\$7,500.00	\$7,500
	RIPRAP, RUBBLE, DITCH LINING	80	TN	\$250.00	\$20,000
	CLEARING AND GRUBBING	1	LS	\$10,000.00	\$10,000
	HYDRAULIC DREDGING	4400	CY	\$40.00	\$176,000
	DEWATERING OF DREDGED MATERIAL	1	LS	\$75,000.00	\$75,000
	DISPOSAL OF DREDGED MATERIAL	4000	TON	\$70.00	\$280,000
	PERFORMANCE TURF, SOD	2500	SY	\$7.00	\$17,500
	REMOVE AND REPLACE SERVICE CONNECTIONS (W/WW/ELEC)	1	LS	\$5,000.00	\$5,000
	MOBILIZATION/DEMOBILIZATION	1	LS	\$65,000.00	\$65,000
	TRAFFIC CONTROL	1	LS	\$10,000.00	\$10,000
				SUB-TOTAL	\$724,550
	CONTRACTED SERVICES (CONSTRUCTION ADMINISTRATION)	1	LS	5%	\$36,227
	CONTINGENCY COSTS	1	LS	15%	\$108,683
				GRAND TOTAL	\$869,460

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 daybeacons 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 INFO

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

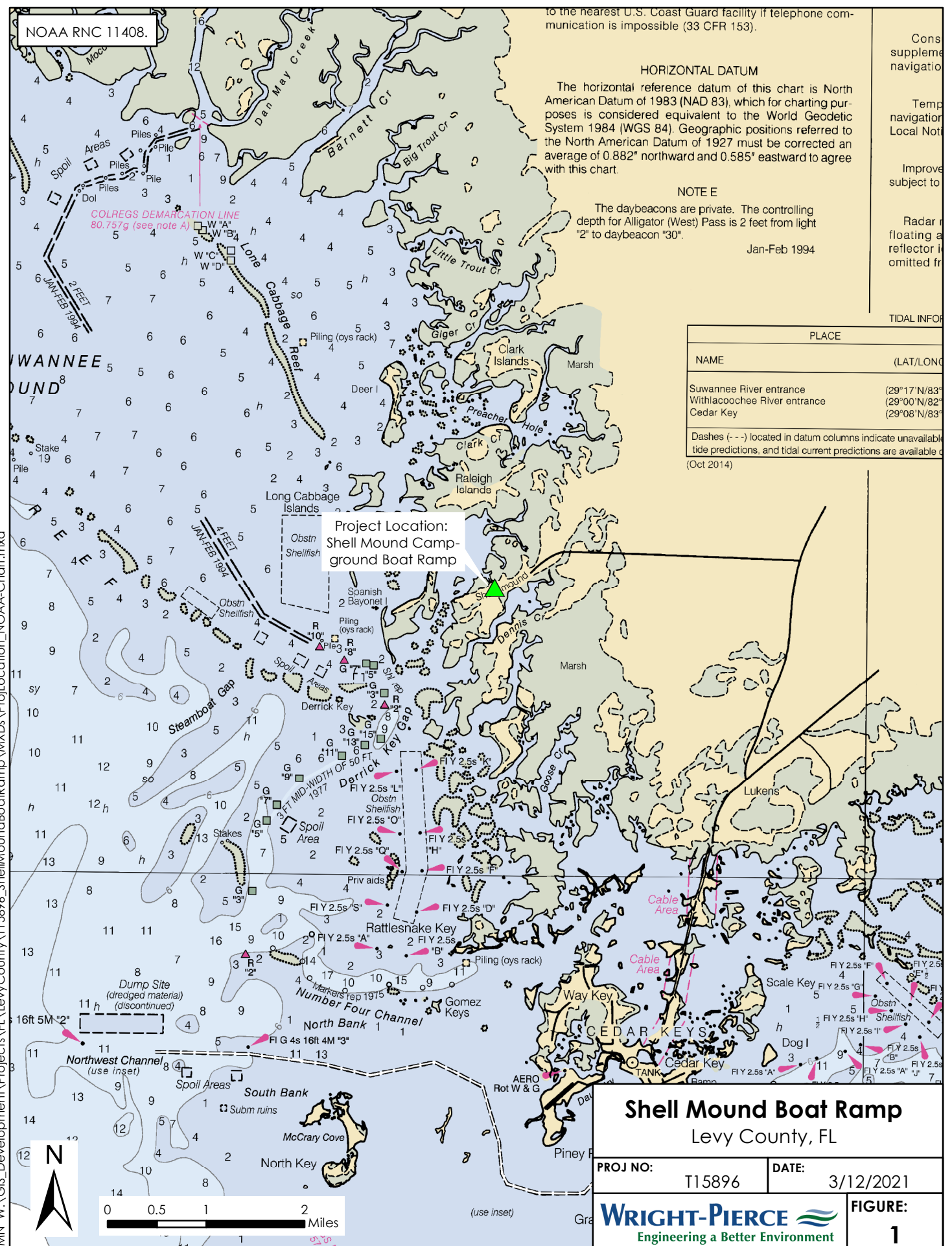
Shell Mound Boat Ramp
Levy County, FL

PROJ NO: T15896 DATE: 3/12/2021

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE:
1

JMN w:\GIS_Development\Projects\FL\LevyCounty\T15896_ShellMoundBoatRamp\MXDs\ProjLocation_NOAA-Chart.mxd





Permits



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

Permittee:

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

Authorized Consultant:

Walter Nickel
Wright-Pierce Company
601 S Lake Destiny Drive, Suite 290
Maitland, Florida 32751
Walter.nickel@wright-pierce.com

Shell Mound Boat Ramp Dredge

Environmental Resource Permit

State-owned Submerged Lands Authorization – Not Applicable

**U.S. Army Corps of Engineers Authorization – Separate Corps Authorization
Required**

**Levy County
Permit No.: 38-0425518-001 EI**

**Permit Issuance Date: June 28, 2023
Permit Construction Phase Expiration: June 28, 2028**

Environmental Resource Permit

Permittee: Levy County
Permit No: 38-0425518-001-EI

PROJECT LOCATION

The activities authorized by this permit are located at 17650 SW 78 Place, parcel ID number 0005900000, Cedar Key, Florida 32625 and parcel ID number 0005800000, in Section 1, Township 15 South, Range 12 East, in Levy County, at Latitude 29°12'38.2924" / Longitude -83°3'50.2254".

PROJECT DESCRIPTION

The permittee is authorized to dredge approximately 4,400 cubic yards of material over 0.96 acres within a previously dredged channel that leads from the Shell Mound Boat Ramp to the Big Bend Seagrasses Aquatic Preserve in Cedar Key Florida. Dredging is limited to -5.5 ft below sea level, and 4.5 feet below Mean Low Water, within the previously dredged areas shown on the attached drawings. **DREDGING SHALL NOT EXCAVATE PAST ANY EXISTING HARDPAN OR LIMESTONE BOTTOM LAYERS OF THE CHANNEL.**

Dredging will be conducted via hydraulic methods, and then moved to seven, 50 ft wide by 60 ft long Geotech sediment bags that will be placed in uplands along the east side of the access road to the boat ramp. Temporary riprap of aggregate stone will be placed beneath each sediment bag to help contain sediments that escape during dewatering. A silt fence and/or other controls will be constructed around the entire area to be dewatered to prevent runoff into the adjacent wetlands and surface waters.

Work will be completed in two phases with a total of 4,400 cubic yards of material being removed. Once the first 50 ft wide by 60 ft long Geotech sediment bags are dewatered and full, the bags will be opened, and the material will be removed to lined dump trucks that will transport the material to either New River or Heart of Florida Landfill. A second set of seven Geotech bags will be used during the final phase of dredging. The project falls adjacent to the Big Bend Seagrasses Aquatic Preserve, a Class II, Outstanding Florida Waterbody, and Shellfish Harvesting Area. Authorized activities are depicted on the attached exhibits.

AUTHORIZATIONS

Shell Mound Boat Ramp Dredge Environmental Resource Permit

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, 8-20, F.A.C.

Federal Authorization

Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook:

(<https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>).

Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Coastal Zone Management

Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

Water Quality Certification

This permit also constitutes a: water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

Other Authorizations

You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS

The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the

facility is not authorized except when determined to be in conformance with all applicable rules and this permit.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

1. Prior to commencement of work authorized by this permit, the permittee shall provide written notification of the date of the commencement and proposed schedule of construction to the Department of Environmental Protection, Northeast District, 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

2. This permit does not authorize the removal of any vegetation within the jurisdictional area. No dredging, filling, or other construction activity, including the removal of tree stumps and/or vegetative root masses, shall be conducted within the wetlands other than that performed within the specifically authorized work corridor.

3. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to wetlands shall be corrected by restoring pre-construction elevations as to maintain natural hydrology, drainage patterns, and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland areas.

4. The project shall comply with applicable State Water Quality Standards at the locations directly outside the turbidity curtains surrounding the work area, namely:

- Surface Waters, Minimum Criteria, General Criteria – Rule 62-302, F.A.C.
 - i. Class II Waters – Shellfish Propagation or Harvesting – Rule 62-302.400, F.A.C.

5. There shall be no storage or stockpiling of tools, equipment, materials (e.g., lumber, pilings, riprap, and debris) within wetlands, along the shoreline within the littoral zone, or elsewhere within waters of the state unless specifically approved in this permit. Any and all construction debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized by this permit.

6. There shall be no discharge of construction debris into the waters of the state as conditioned by this permit enforceable under the Florida Litter Law 403.413, F.S., by all law enforcement officers.

7. "Riprap" shall consist of unconsolidated boulders, rocks, or clean concrete rubble with no exposed reinforcing rods or similar protrusions. The riprap shall be free of sediment, debris and toxins or otherwise deleterious substances. Riprap shall have a diameter of at least 12 inches to 3 feet.

8. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the immediate vicinity of the discovery. The applicant shall contact the Florida Department of State,

Division of Historical Resources, Compliance Section at (850)-245-6333. Project activities shall not resume without verbal and/or written authorization. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately, and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*

SPECIFIC CONDITIONS – MANATEES

9. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with, and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

10. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels shall follow routes of deep water whenever possible.

11. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers shall not impede manatee movement.

12. All on-site project personnel are responsible for observing water-related activities for the presence of manatees. All in-water operations, including vessels, shall be shut down if a manatee comes within 50 feet of the operation. Activities shall not resume until every manatee has moved beyond the 50-foot radius of the project operation, or until 30 minutes has elapsed wherein a manatee has not reappeared within 50 feet of the operation. Animals shall not be herded away or harassed into leaving.

13. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772562-3909) for south Florida.

14. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Please see the Florida Fish and Wildlife Conservation Commission website for information on how to obtain appropriate signs: http://www.myfwc.com/docs/WildlifeHabitats/Manatee_EducationalSign.pdf

15. The Permittee shall install one (1) permanent manatee educational sign at the entrance to the boat ramp, facing land. This sign shall be maintained for the life of the facility and installed no later than 30 days after construction commencement. Signs shall be replaced by the Permittee in

accordance with FWC guidance if outdated, damaged or faded. Information on how to obtain this sign can be found at the FWC's website:

<http://www.myfwc.com/wildlifehabitats/managed/manatee/education-for-marinas/>, and questions regarding this requirement can be sent to ImperiledSpecies@MyFWC.com.

SPECIFIC CONDITIONS - OTHER LISTED SPECIES

16. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permittee associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, Florida Fish and Wildlife Conservation Commission (FWC) staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to ConservationPlanningServices@MyFWC.com.

17. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

18. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

SPECIFIC CONDITIONS – DREDGING

19. DREDGING SHALL NOT EXCAVATE PAST ANY EXISTING HARDPAN OR LIMESTONE BOTTOM LAYERS OF THE CHANNEL.

20. Prior to the initiation of any work authorized by this permit, floating turbidity screens with weighted skirts shall be placed around the dredge area. The screens shall be maintained and shall remain in place for the duration of the project construction to ensure that turbidity levels outside the construction area do not exceed the state water quality standard. The permittee shall be responsible for ensuring that turbidity control devices are inspected daily and maintained in good working order so that there are no violations of state water quality standards outside of the turbidity screens.

21. Dredging shall be limited to day light; no dredging activities are authorized to be conducted at night.

22. State water quality standards shall be met during dredging operation as well as transporting and managing of dredged material. Anytime that dredging activities cause high turbidity that exceeds the water quality standard, or if the dredged material management system is unable to clarify dredged material to meet state water quality standards at its return line, the dredging

operation shall be suspended until adequate control measures have been installed. The problems shall be reported to DEP Northeast District Office at (904) 256-1700 within 24 hours of the detection. Flocculants shall not be used unless approved by the Department.

23. Turbidity levels outside the construction area **shall not exceed 29 NTU's** above background levels.

24. All spoil material shall be properly contained within the upland spoil cell area as shown on the attached drawings. A silt fence and/or other controls must be installed around the entire area to be dewatered to prevent runoff into the adjacent wetlands and surface waters.

25. All Dredged material shall be taken to an approved upland disposal location. During transportation of material to and from the spoil cell area, the material and site will be managed in a manner that prevents return of the spoil material to wetlands, other surface waters and all utilized roadways.

26. Areas to be dredged shall be dredged in accordance with the attached permit drawings and **shall not exceed the areas and depths indicated on those drawings. Discharge of water or dredged material to waters of the State shall not be allowed during disposal or transport.**

SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS

27. Turbidity Monitoring. Water turbidity levels shall be monitored if a turbidity plume is observed outside the limits of the required turbidity control devices. Samples shall be taken every four hours, one foot above the bottom, mid-depth, and one-foot below the surface at monitoring stations located as follows:

- a. Approximately 100 feet up-current of the work sites and clearly outside the influence of construction activities. (This shall serve as the natural background sample against which other turbidity readings shall be compared.)
- b. Directly outside the turbidity curtains surrounding the work sites and within the densest portion of any visible turbidity plume. (This sample shall serve as the compliance sample.)

28. If monitoring reveals turbidity levels greater than or equal to the turbidity limits contained in **Specific Condition Number 23** of this permit, the permittee shall take the following measures:

- a. Immediately cease all work contributing to the water quality violation. Work which may contribute to the violation shall not resume until corrective measures have been taken and turbidity levels have returned to acceptable levels; and
- b. Stabilize the dredge area contributing to the violation. Modify work procedures responsible for the violation, install additional turbidity containment devices, repair non-functioning turbidity containment devices; and
- c. Increase monitoring frequency to every 2 hours until turbidity levels are within acceptable limits as specified in Specific Condition 16. Interim samples collected following the violation (s) shall be collected in the same manner and locations as the routine monitoring.

Operations may not resume until the water quality standard for turbidity has dropped below 29 NTU's.

d. The violation(s) shall be immediately reported to the Department. The report shall include the description of the corrective actions being taken or proposed to be taken. The report shall be made to the Department as soon as normal business hours resume if violation(s) are noted after normal business hours, on holidays, or on weekends. A copy of the monitoring data sheets, which indicate violation(s), shall be forwarded immediately to the Department.

e. Failure to report violation(s) or to follow correct procedures before resuming work shall constitute grounds for permit revocation and may subject the permittee to formal enforcement action.

SPECIFIC CONDITIONS – CONSTRUCTION COMPLETION

29. The permittee shall submit a final report within 14 days of completion of each dredging event, which includes the following information:

- a. The dates of commencement and completion of construction,
- b. A description of the dredging and disposal locations, methods and equipment used,
- c. Tables of turbidity data collected at the dredging, beach and nearshore disposal sites shall be as follows:

Sample Location & Collection Date	Background Sample Value/Depth	Compliance Sample Value/Depth	Difference Between Background & Compliance Sample

d. A statement identifying violations of the turbidity standard which occurred during the event, the probable cause of the violation, and the corrective measure(s) taken to reduce turbidity.

30. Within 14 days of the completion of the dredging activity, a disposal manifest from a Class I Landfill must be submitted to the Department that documents the receipt of all dredged materials.

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (<http://www.flrules.org/Gateway/reference.asp?No=Ref-02505>), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.
5. Unless the permit is transferred under rule 62-330.340, F.A.C., or transferred to an operating entity under rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.
6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
 - a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
 - b. For all other activities – "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].
 - c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.
7. If the final operation and maintenance entity is a third party:
 - a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as

- applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
- b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.
8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.
9. This permit does not:
- Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in chapter 62-330, F.A.C.;
 - Convey to the permittee or create in the permittee any interest in real property;
 - Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
 - Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.
10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.
11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.
12. The permittee shall notify the Agency in writing:
- Immediately if any previously submitted information is discovered to be inaccurate; and
 - Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.
13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.
14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that

could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

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

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

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

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

Extension of Time

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

Mediation

Mediation is not available in this proceeding.

FLAWAC Review

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

Judicial Review

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

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



For:

Katie Sula Miller
Permitting Program Administrator

KSM:tg

Attachments:

Standard Manatee Construction Conditions 2011
Sea Turtle and Smalltooth Sawfish Construction Conditions
Project Plans, 21 Pages
Construction Commencement Notice/Form 62-330.350(1)
As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)
Request to Transfer Permit/Form 62-330.340(1)
Operation and Maintenance Inspection Certification/Form 62-330.311(1)

Copies furnished to:


Andrew Gude, US Fish and Wildlife Service, Andrew_gude@fws.gov
Michael Hoffman, Wright-Pierce, Michael.hoffman@wright-pierce.com
Katie Sula Miller, FDEP NED
Shannon Taylor, FDEP NED
Paul Duff, FDEP NED
Tianna Goodhart, FDEP NED

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on June 28, 2023, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on June 28, 2023, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

June 28, 2023
Date

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK
2011

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

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

CAUTION: MANATEE HABITAT

All project vessels

IDLE SPEED / NO WAKE

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

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
263 13th Avenue South
St. Petersburg, FL 33701

SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006
O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc

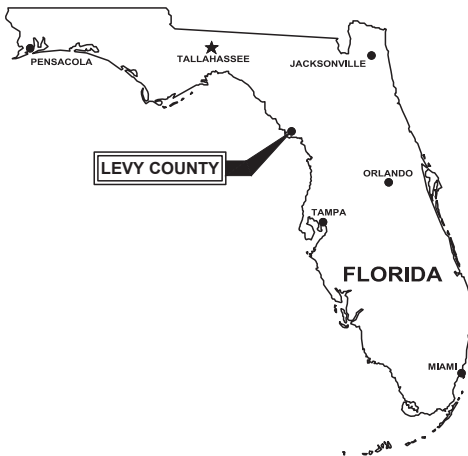


COUNTY OF LEVY, FLORIDA

CONTRACT DRAWINGS FOR

SHELL MOUND BOAT RAMP DREDGING

MAY 2023
PERMIT



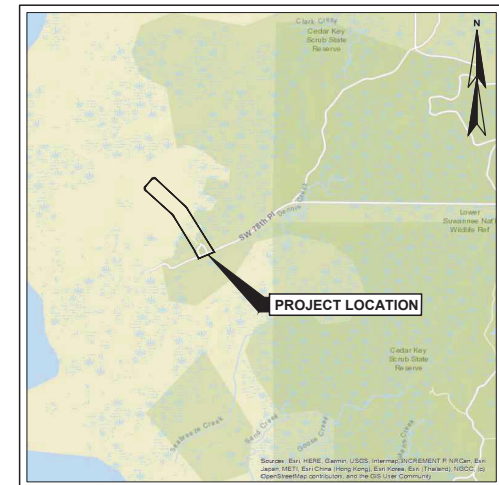
DRAWING INDEX

GENERAL

--- COVER SHEET

CIVIL

- C-1 GENERAL NOTES, LEGEND, AND ABBREVIATIONS
- 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
- C-7 CROSS SECTIONS STA 10+00 TO STA 12+50
- C-8 STORMWATER POLLUTION PREVENTION NOTES I
- 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

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Engineering a Better Environment

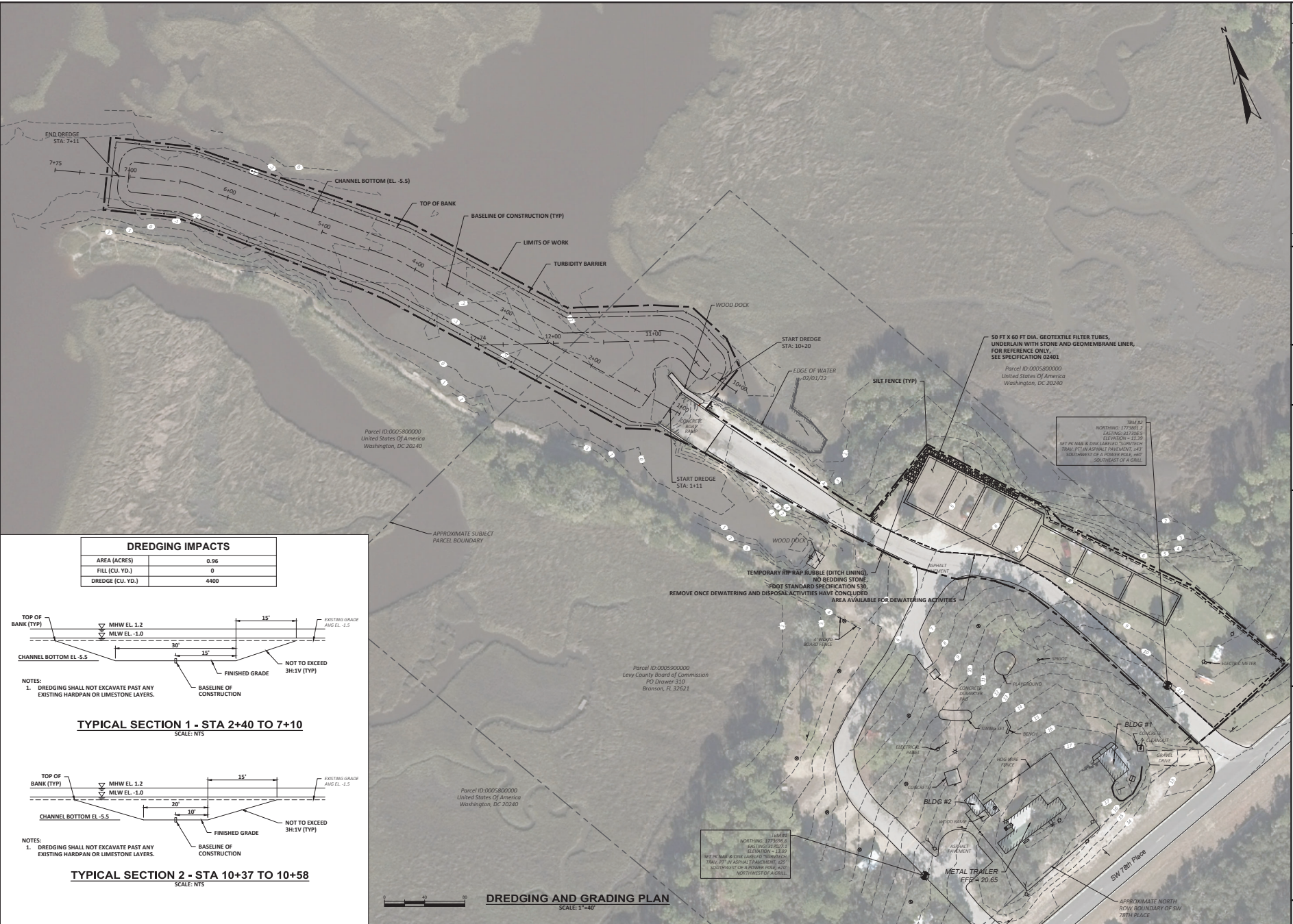
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EXISTING CONDITIONS NOTES

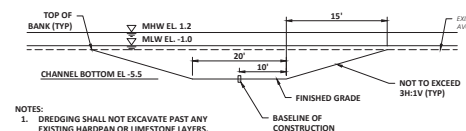
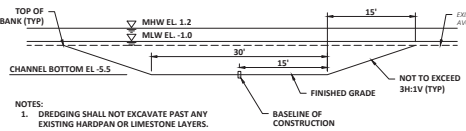
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2. THE HORIZONTAL DATUM UTILIZED FOR THIS PROJECT IS NAD 1983 FLORIDA WEST ZONE, 2011 ADJUSTMENT, U.S. SURVEY FEET. SAID DATUM WAS ESTABLISHED BY UTILIZING THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
3. THE VERTICAL DATUM UTILIZED FOR THIS PROJECT 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.

PROJECT NO			PROJECT NAME		
28550	0	0	SHELL MOUND BOAT RAMP	28550 CS	EXISTING CONDITIONS
DRAWN BY		CHECKED BY		DATE	
MICHAEL HOFFMAN		KIMTECHAD		7/7/2023	
APPROVED BY		DATE		SUBMISSION PERMIT	
KIMTECHAD		7/7/2023			
REVISIONS			APPLD DATE		
NO	Δ	Δ	Δ	Δ	Δ
<p>WRIGHT-PIERCE 800.422.1015 www.wright-pierce.com 333 NORTHSHORE BOULEVARD, SUITE 100A, TAMPA, FL 33604</p>					
COUNTY OF LEVY, FLORIDA			SHELL MOUND BOAT RAMP IMPROVEMENTS		
EXISTING CONDITIONS			DRAWING C-2		



DREDGING IMPACTS

AREA (ACRES)	0.96
FILL (CU. YD.)	0
DREDGE (CU. YD.)	4400



DREDGING AND GRADING PLAN
SCALE: 1"=40'

REVISIONS		APPROVED	DATE
NO.	DESCRIPTION		

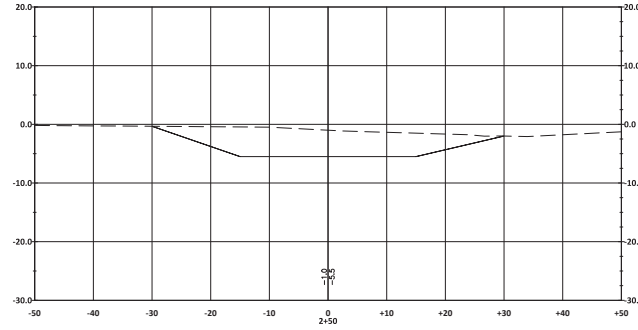
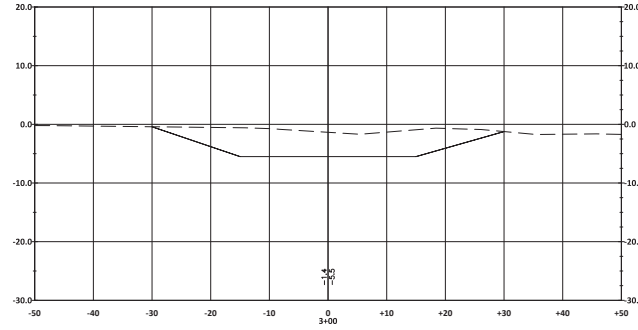
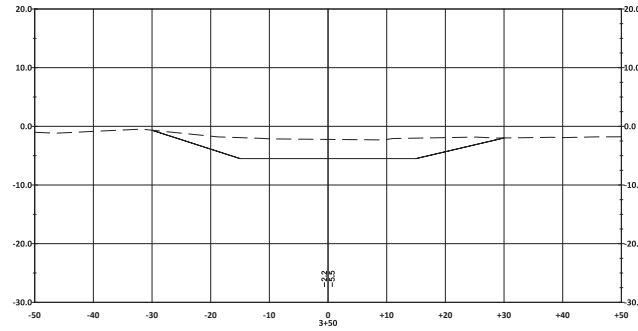
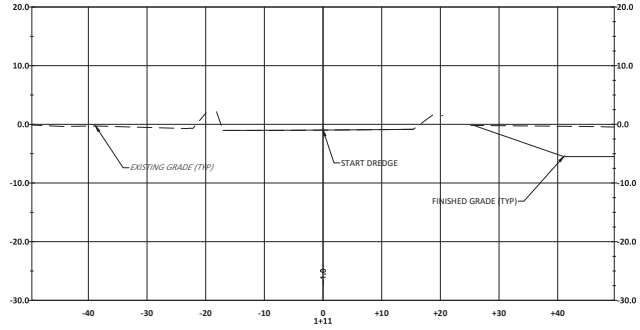
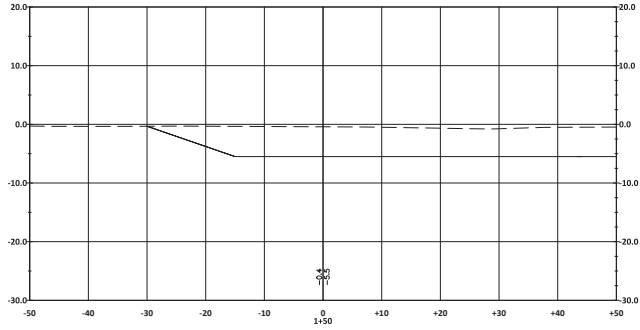
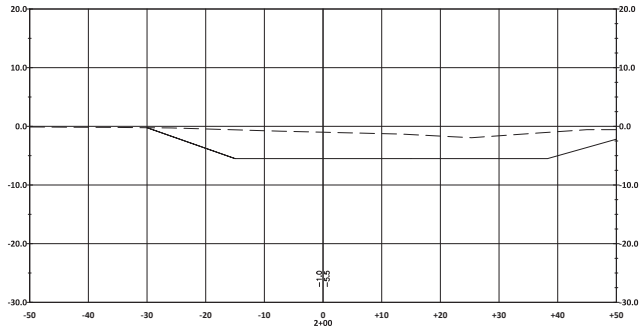
PROJECT NO.	35850
DESIGNED BY	M. DIPIMAN
CHECKED BY	D. HARTZ
DATE	6/22/24
APPROVED BY	
DATE	
SUBMISSION PERMIT	

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COUNTY OF LEVY, FLORIDA
SHELL MOUND BOAT RAMP IMPROVEMENTS

DREDGING AND GRADING PLAN

DRAWING	C-3
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CROSS SECTIONS
 SCALES
 VERT: 1"=20'
 HORIZ: 1"=20'

PROJECT NO: 2850		APPROVED: [Signature]	DATE: [Date]
DESIGNED: MICHAEL LICHTMAN		APPROVED: [Signature]	DATE: [Date]
CHECKED: DANIEL LITTE		APPROVED: [Signature]	DATE: [Date]
DRAWN: DANIEL LITTE		APPROVED: [Signature]	DATE: [Date]
SUBMITTED: [Date]		APPROVED: [Signature]	DATE: [Date]
SUBMISSION PERMIT		APPROVED: [Signature]	DATE: [Date]

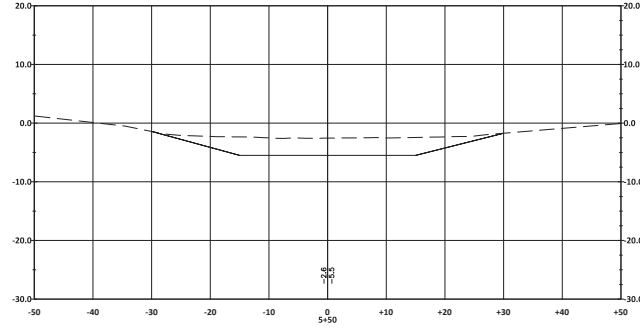
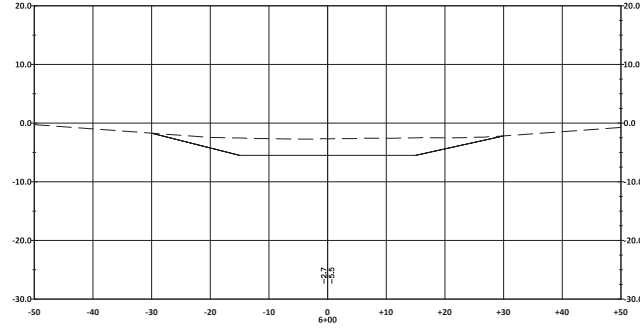
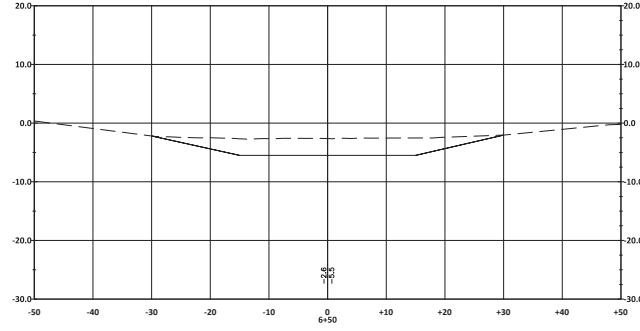
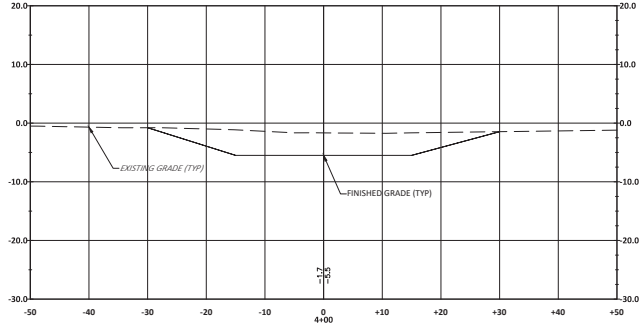
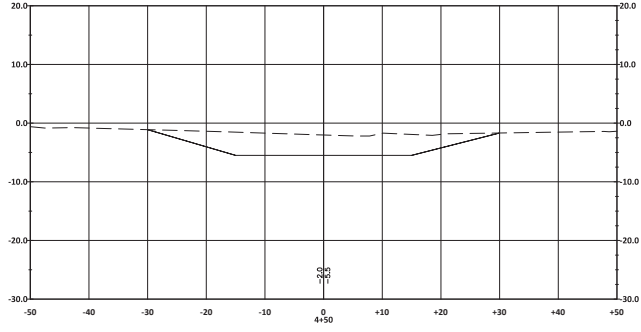
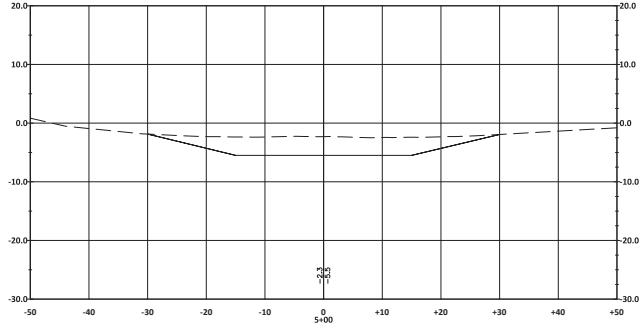
NO.	REVISIONS	APPLIED DATE

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 3333 NORTHSHORE BOULEVARD, SUITE 1004, TAMPA, FL 33624

COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS

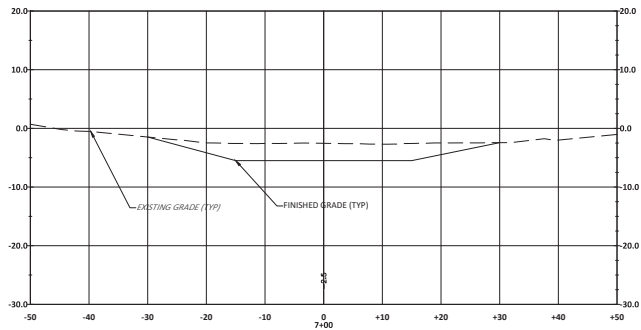
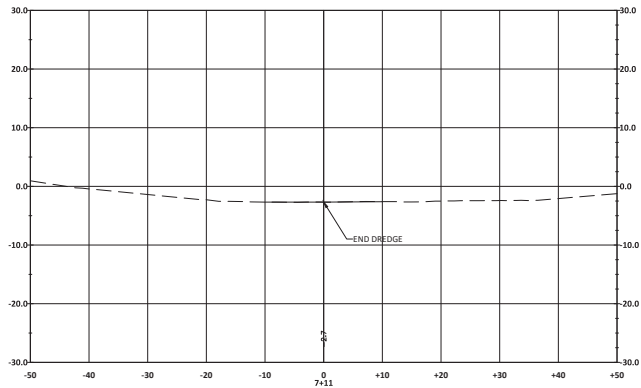
CROSS SECTIONS STA. 1+00 TO STA. 3+50

DRAWING
C-4



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

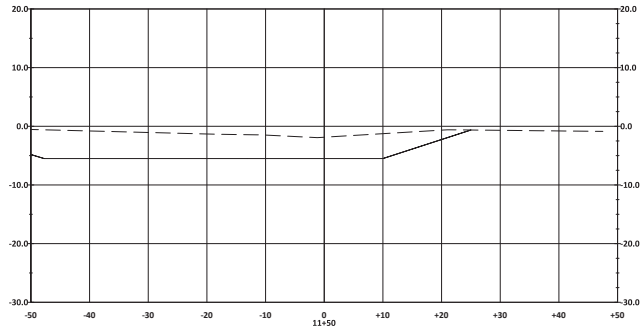
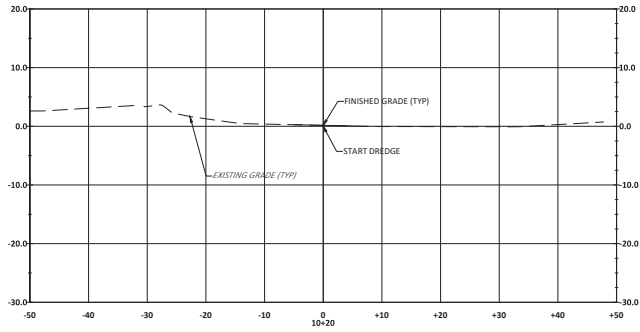
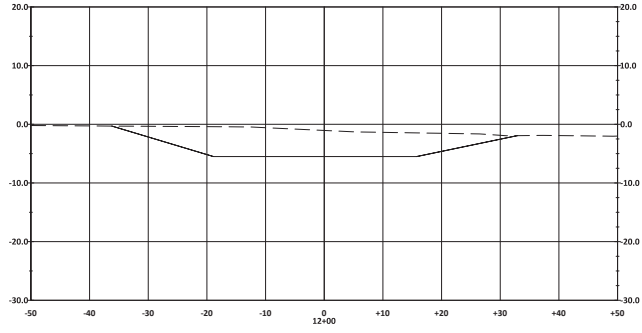
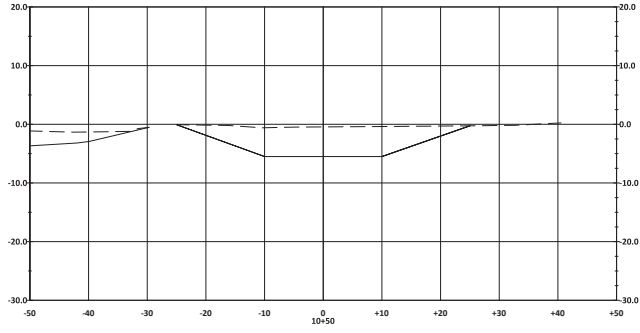
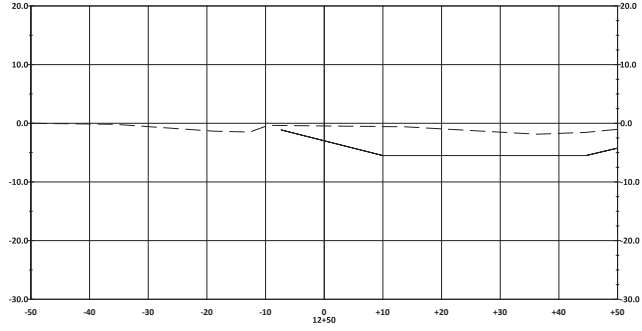
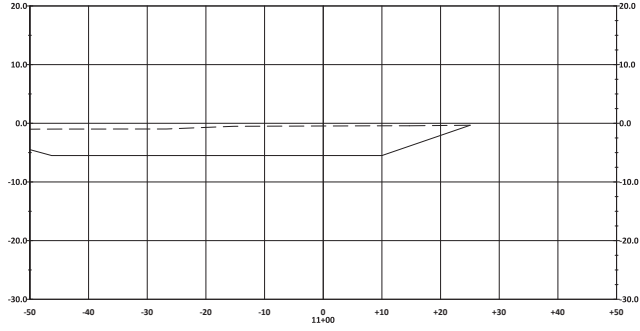
PROJECT NO: 28550 DESIGNED: M. HORNMAN CHECKED: D. WETZ DATE: 7/27/23 APPROVED: [Signature] SUBMISSION PERMIT	REVISIONS		APPLIED DATE
	NO.	DESCRIPTION	
	1		
WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 330 NORTHVALE BOULEVARD, SUITE 1004, TAMPA, FL 33624	COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS		CROSS SECTIONS STA. 4+00 TO STA. 6+50
	DRAWING		C-5



CROSS SECTIONS

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

<p>WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 3325 NORTHDALE BOULEVARD, SUITE 1006, TAMPA, FL 33624</p>		<p>PROJECT NO: 28550 DESIGNED: M. NORMAN CALC/CHECKED: D. LAMER CHECKED: J. HARTZ DATE: 7/27/23 APPROVED: [Signature] DATE: 7/27/23 SUBMISSION PERMIT</p>	<p>NO. Δ Δ Δ Δ Δ</p>	<p>REVISIONS</p>	<p>APPROVED DATE</p>
<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>		<p>CROSS SECTIONS STA. 7+00 TO STA. 7+50</p>			
<p>DRAWING</p>		<p>C-6</p>			



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

PROJECT NO: 2850		DESIGNED: M. HORNMAN		APPLIED DATE:	
CHECKED: DANIEZ		DATE:		NO.	
DATE:		APPROVED:		REVISIONS	
SUBMISSION PERMIT		DATE:		NO.	
				DATE:	
				NO.	
				DATE:	
				NO.	
				DATE:	
				NO.	
				DATE:	
				NO.	
				DATE:	

WRIGHT-PIERCE
 800.422.1095 | www.wright-pierce.com
 330 NORTHDALE BOULEVARD, SUITE 1004, TAMPA, FL 33624

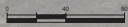
COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS

CROSS SECTIONS STA 10+00 TO STA 12+50

DRAWING
 C-7

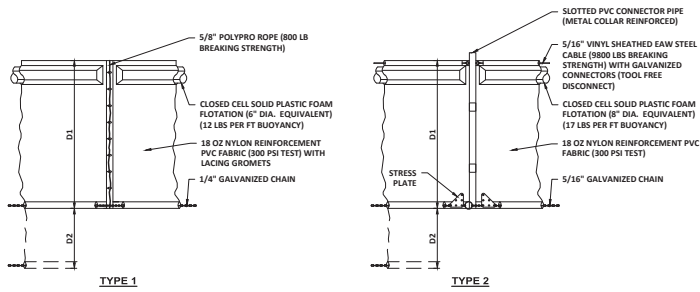
LAST SWAB BY MICHAEL JOHNSON 9/27/2018 8:50 AM

FLORIDA COUNTY 2850 SHELL MOUND DAMM PLANNING CITY 2850-05 STORMWATER PLAN 2016 | 2850-05 Stormwater Plan | 12.894 | 1 | 1 | 1/27/2023 8:35:54 AM | MICHAEL JOHNSON



STORMWATER POLLUTION PREVENTION PLAN
SCALE: 1"=40'

PROJECT NO: 2850	DRAWN: M. JOHNSON	CHECKED: S. METZ	DATE: 08/21/2018	APPROVED: [Signature]	SUBMISSION PERMIT	REVISIONS		APPRO. DATE	
						NO.	DESCRIPTION	DATE	
<p>WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 3830 NORTHVALE BOULEVARD, SUITE 1004, TAMPA, FL 33624</p>							<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>		
<p>STORMWATER POLLUTION PREVENTION PLAN</p>							<p>DRAWING C-10</p>		

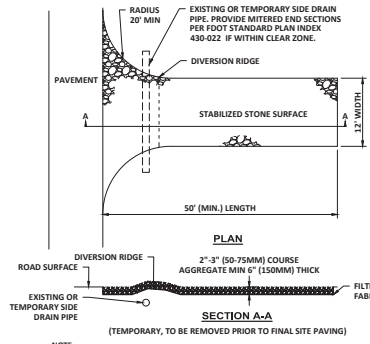


TYPE 1
 D1 = 5' STD (SINGLE PANEL FOR DEPTHS 5' OR LESS)
 D2 = 5' STD (ADDITIONAL PANEL FOR DEPTHS 5')

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 DESIGN. 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"

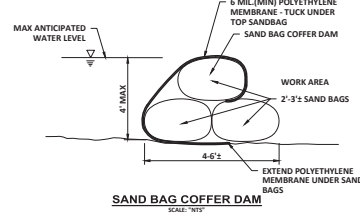


SECTION A-A
 (TEMPORARY, TO BE REMOVED PRIOR TO FINAL SITE PAVING)

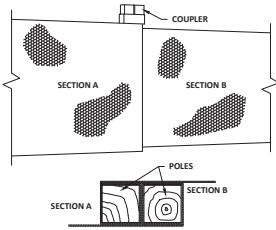
PLAN
 2'-3" (50-75MM) COURSE AGGREGATE MIN 6" (150MM) THICK
 FILTER FABRIC

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.

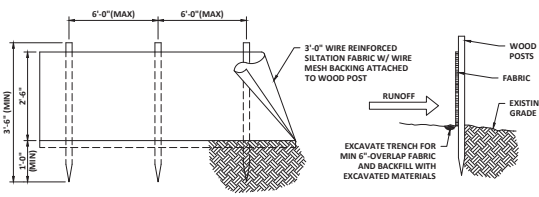
STABILIZED CONSTRUCTION ENTRANCE
 SCALE: "NTS"



SAND BAG COFFER DAM
 SCALE: "NTS"



JOINING SILT FENCE SECTIONS
 SCALE: "NTS"



SILT FENCE INSTALLATION DETAIL
 SCALE: "NTS"

NO.	REVISIONS	APPL'D DATE
PROJECT NO: 2830	DESIGNED: M.HORMAN	
CAL COORD: D. NETZ	CHECKED: J. NETZ	
DATE:	APPROVED:	
DATE:	SUBMISSION PERMIT	
<p>WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 3030 NORTHVALE BOULEVARD, SUITE 1004, TAMPA, FL 33624</p>		
COUNTY OF LEVY, FLORIDA	SHELL MOUND	
BOAT RAMP IMPROVEMENTS		
STORMWATER POLLUTION PREVENTION DETAILS		
DRAWING		
C-11		



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 UNDUKE 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: 2850		APPR'D DATE:	
DESIGNED: M.HOFFMAN	CHECKED: J. SWEET	NO.	REVISIONS
CALCULATED: J. SWEET	CHECKED: J. SWEET	1	
DATE: 7/27/2023	DATE: 7/27/2023	2	
APPROVED: [Signature]	APPROVED: [Signature]	3	
SUBMISSION PERMIT		4	
<p>WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 303 SOUTHVALE BOULEVARD, SUITE 1006 TAMPA, FL 33624</p>		<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>	
DRAWING		TRAFFIC MAINTENANCE PLAN	
C-12			

SECTION 02000REFERENCED FDOT SPECIFICATIONSPART 1 - GENERAL1.1 DESCRIPTION

A. This Section covers the Florida Department of Transportation (FDOT) standard specifications and details applicable to this project and are made part of these project document by reference herein.

1.2 SUBMITTALS

The Contractor shall submit shop drawings in accordance with Section 01340 Submittals

1.3 REFERENCE STANDARDS

Reference standards and recommended practices referred to in this Specification Section shall be the latest revision of any such document in effect at the bid time, unless otherwise noted. The following documents are a part of this Section. Where this Section differs from these documents, the requirements of this Section shall apply.

A. The July 2022 edition of the *FDOT Standard Specifications for Road and Bridge Construction* (Standard Specifications) and the *FY2022-23 Standard Plans Standards* shall be referred to for construction, workmanship, and quality control as specified with exceptions as noted in this Section. The referenced FDOT Standard Specifications that apply to this project include the following sections along with the sections referenced within these sections:

- 100, Construction Equipment – General Requirements.
- 104, Prevention, Control and Abatement of Erosion and Water Pollution.
- 105, Contractor Quality Control and General Requirements

B. Where the referenced FDOT Specifications cite "the Department," this shall be modified to "the Owner and/or Engineer" by this contract.

C. Payment for this project is in accordance with *Section 00410 Bid Form for Construction Contract and Section 01150A Measurement and Payment* and its included Bid Schedule.

D. Additional requirements superseding the applicable portions of the above FDOT Standard Specifications are provided in the subsequent sections of these Technical Specifications.

1.4 WARRANTIES

A. Warranties shall be in accordance with the General Conditions and Supplementary Conditions.

PART 2 - PRODUCTS2.1 GENERAL

A. The July 2022 edition of the FDOT Standard Specifications for Road and Bridge

Construction (Standard Specifications) and the FY 2022-23 Standard Plans shall be referred to for construction, workmanship, and quality control as specified with exceptions as noted in this Section. The referenced FDOT Standard Specifications that apply to this project include the following sections along with the sections referenced within these sections:

- 104, Prevention, Control, and Abatement of Erosion and Water Pollution
 - 530, Revetment Systems
 - 570, Performance Turf
- B. Where the referenced FDOT Specifications cite "the Department," this shall be modified to "the Owner and/or Engineer" by this contract.
- C. Payment for this project is in accordance with *Section 00410 Bid Form for Construction Contract and Section 01150A Measurement and Payment* and its included Bid Schedule.
- D. Additional requirements superseding the applicable portions of the above FDOT Standard Specifications are provided in the subsequent sections of these Technical Specifications.

PART 3 - EXECUTION

3.1 GENERAL

- A. The July 2022 edition of the FDOT Standard Specifications for Road and Bridge Construction (Standard Specifications) and Roadway and Traffic Design Standards shall be referred to for construction, workmanship, and quality control as specified with exceptions as noted in this Section. The referenced FDOT Standard Specifications that apply to this project include the following sections along with the sections referenced within these sections:
- 104, Prevention, Control, and Abatement of Erosion and Water Pollution
 - 530, Revetment Systems
 - 570, Performance Turf
- B. Exceptions
1. Where the referenced FDOT Specifications cite "the Department," this shall be modified to "the Owner and/or Engineer" by this Contract.
 2. Payment for this project is in accordance with *Section 00410 Bid Form for Construction Contract and Section 01150A Measurement and Payment* and its included Bid Schedule.
 3. Additional requirements superseding the applicable portions of the above FDOT Standard Specifications are provided in the subsequent sections of these Technical Specifications.

END OF SECTION

SECTION 02XXX
HYDRAULIC DREDGING

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Work Included:
1. Furnishing of all labor, materials, and equipment and the performance of work required to complete the dredging as shown on the Contract Drawings and as herein specified.
 2. Hydraulic dredging of a channel basin and the satisfactory pumping of dredged material into the dewatering system.
 3. Protection of tidal flats and uplands outside the limits of construction.
 4. The dredged materials consist of silty/clayey sand and sandy lean silty clay. See the Geotechnical Report in Section XXXXX for more information.
- B. Related Work Specified Elsewhere:
1. Dewatering of dredged material is specified in the appropriate sections in this division.
 2. Stormwater pollution prevention and temporary erosion control are specified in the FDOT referenced specifications.

1.2 SUBMITTALS

- A. Prior to any dredging work, the Contractor shall submit the following for approval by the Engineer. No work shall begin without approval by the Engineer.
1. Dredging Operation Plan including the following:
 - a. Project team organization with duties, responsibilities, and authorities clearly defined.
 - b. Order of work.
 - c. Schedule.
 - d. Quality Control procedures.
 - e. Spill Containment Plan.
 - f. Accident Prevention Program Plan: Written plan describing the Contractor's Accident Prevention Program.
 2. Pumping Plan including the following:
 - a. Size, material, and layout of discharge line.
 - b. Proposed pumping rate.
 - c. Type of dredger head (Plain, cutter, auger, etc)
 - d. Method and equipment to advance dredge through the channel.
 - e. Method and equipment to prevent spillage of dredged material.
 3. Product brochures and technical specifications for the dredging platform, pump, and pipeline.

PART 2 - PRODUCTS

2.1 DREDGING EQUIPMENT

- A. Dredging shall be accomplished using a hydraulic dredge of suitable size and power for the work to be performed. The dredge shall be capable of dredging at the depths required. Selection of dredge equipment shall be coordinated with the design of the dewatering system.
- B. All equipment shall be inspected regularly to ensure proper operation and to prevent spills and leakage. Regular maintenance must be performed throughout the project.

2.2 PIPING

- A. Piping from the dredge to the dewatering system shall consist of high-density polyethylene pipe fused to provide leakproof joints. Strength and diameter of the pipe shall be sufficient to allow for the selected dredging rate and to maintain structural integrity.
- B. Piping shall be maintained in good working order throughout the project.

PART 3 - EXECUTION

3.1 SAFETY:

- A. All work shall be performed in conformance with all applicable laws and regulations.
- B. Cables for pontoon platforms, if used, shall be suitably marked and delineated along their entire length.
- C. The pipeline shall be anchored in place along its entire length in tidal waters at a distance sufficient to prevent pipeline movement during tidal and storm flows.

3.2 DREDGING

- A. Contractor shall inform the Engineer and Owner of the date of dredging commencement at least two (2) weeks prior.
- B. Contractor shall establish and maintain baselines and control, throughout the project duration, as approved by the Engineer, to maintain the work within the limits indicated by the Drawings.
- C. Bedrock or hardpan layers shall not be removed.
- D. Placement of dredging equipment shall be performed in a manner to protect existing salt marsh flora and fauna.
- E. Care shall be taken in the execution of work to protect the existing boat ramp, dock, and other features in the vicinity of the work site. Damage caused by the work shall be repaired by the Contractor to the satisfaction of the Engineer at no additional cost to the County.
- F. Miscellaneous material such as anchors, chains, and other non-soil material which are encountered in the course of dredging operations shall become the property of the Contractor and shall be disposed of in an appropriate manner off-site consistent with local, state, and federal regulations.
- G. All operation of pontoons, work boats, or other similar vessels shall be performed in a manner to prevent impact to adjacent salt marsh areas. No anchoring or cabling is to be allowed within the adjacent salt marshes.
- H. All fueling operations shall be done within containment systems designed to prevent

spillage from entering the surrounding environment.

- I. Contractor shall have full responsibility for all phases of the dredging and pumping operations.

3.3 PUMPING OF DREDGE MATERIAL

- A. The dredged material shall be continuously pipe from the dredge to the dewatering system through watertight pipelines. The piping layout shall include valves or fittings to allow the flexibility to switch from one dewatering system component to another or to pump to multiple components at once.

END OF SECTION

SECTION 02401DEWATERING OF DREDGED MATERIALPART 1 - GENERAL1.1 DESCRIPTION

- A. Work Included:
 - 1. Furnish, operate, and maintain a temporary dewatering system to dewater dredged material.
 - 2. Disposal of dredged materials.
- B. Related Work Specified Elsewhere:
 - 1. Hydraulic dredging of the channel basin's sand/silt material is specified in the appropriate sections in this division.
 - 2. Stormwater pollution prevention and temporary erosion control are specified in the FDOT referenced specifications.

1.2 SUBMITTALS

- A. Submit a dewatering plan meeting the requirements of all attached permits and the construction plans.
 - 1. Plan must address layout of dewatering system within the limits of work shown on the plans and how it is operated in conjunction with dredging operations.
 - 2. Provide information including but not limited to pumping rates, dewatering rates, discharge location and flowrate, effluent monitoring, and operation.
- B. Submit product brochures, technical specifications, and O&M manuals of all dewatering products to be used.
 - 1. Products could include but are not limited to geomembranes, geotextile tubes, mechanical separators, or other similar dewatering equipment.

1.3 DESIGN

- A. Location of the temporary dewatering system shall be within the limits of work delineated on the plans.
- B. Dewatering system shall be of sufficient size and capacity necessary to fully contain the dredged material and allow the dredged material to sufficiently dry prior to off-site disposal.
 - 1. Sufficiently dry shall be defined as the absence of free liquids as determined by Method 9095B (Paint Filter Liquids Test) as described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846.
- C. Dewatering system shall exceed the capacity of the hydraulic dredge to avoid frequent stopping of the hydraulic dredge operations.
- D. The dewatering system must allow water leaving the dewatering system to enter the adjacent surface waters in a non-erosive manner.
- E. Quality of the water leaving the dewatering system shall comply with all attached permits.

- F. Dewatering system shall not employ the use of flocculants.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Erosion Control Products: Refer to Section 02000 and Drawings for locations and details.
- B. Geotextile Tubes:
1. Factory Seam Strength (ASTM D-4884): 400 lbs/in
 2. Wide Width Tensile Strength (ASTM D-4595): 5,400 x 7,464 lbs/ft
 3. Wide Width Elongation @ Break (ASTM D-4595): 20 x 18 %
 4. Wide Width Tensile Strength @ 2% Strain (ASTM D-4595): 300 x 1,620 lbs/ft
 5. Wide Width Tensile Strength @ 5% Strain (ASTM D-4595): 1,440 x 3,840 lbs/ft
 6. Wide Width Tensile Strength @ 10% Strain (ASTM D-4595): 3,840 lbs/ft
 7. CBR Puncture (ASTM D-6241): 3,000 lbs
 8. Trapezoidal Tear (ASTM D-4533): 250 x 300 lbs
 9. Apparent Opening Size (ASTM D-4751): 30 US Sieve
 10. Permittivity (ASTM D-4491): 0.27 Sec⁻¹
 11. Water Flow Rate (ASTM D-4491): 20gal/min/ft²
 12. Pore Size 0(50) (ASTM D-6767): 140 US Sieve
 13. Pore Size 0(95) (ASTM D-6767): 40 US Sieve
 14. UV Resistance @ 1,400 Hours (ASTM D-4355): 85%

PART 3 - EXECUTION

3.1 PERFORMANCE

- A. General:
1. Prior to any dredging, the temporary dewatering system, maintenance of traffic system, and all associated erosion control measures shall be in place.
 2. All utilities (water, wastewater, and underground electric) service connections within the footprint of the temporary dewatering system shall be temporarily removed and capped or made safe in accordance with applicable codes.
 3. All areas used for temporary storage and dewatering of the dredge material shall be lined with a UV stable HDPE 60 mil geomembrane.
- B. Geotextile Tubes:
1. Geotextile tube rows should be unloaded with equipment that will not damage the materials. No hooks, tongs, or other sharp instruments shall be used to handle the tubes. Tubes should not be dragged along the ground. Tubes should be unrolled into position as recommended by the manufacturer.
 2. Before geotextile tubes are laid down, the lay down area shall be prepared as follows:
 - a. Removal of debris, rocks, exposed roots, and other material that could puncture the tube.
 - b. Grade site so that grades perpendicular to geotextile tube length are no more than 0.5% grade.
 - c. Line laydown area with UV stable HDPE 60 mil geomembrane.

- d. Place washed drainage rock across the laydown area.
 3. Unroll and deploy the tube on top of the drainage media starting on the upper end of the dewatering site.
 4. Geotextile tubes shall be secured as to prevent rolling or other movement during construction. Geotextile tubes shall not be stacked.
 5. Attach dredging discharge line to the filling port(s) of the tube(s) with a secure and watertight connection before pumping. Do not exceed manufacturer's recommended volumes and/or heights of the tubes.
 6. Once the material in the tube has dewatered sufficiently as previously described, tube may be cut open to remove the dewatered material.
- C. Disposal of Water:
1. Dispose of water from dredged material by draining it back towards the erosion control practices protecting the marsh and waterbodies in a suitable manner to prevent sediment from reaching said marsh and waterbodies.
 2. Construct temporary erosion and sediment control devices down-gradient of the dewatering system to provide additional sedimentation control, subject to the Engineer's approval.
- D. Disposal of Dredged Sediment Material:
1. Once materials have sufficiently dried, load dredged material onto trucks and transport directly to the one of the following landfills:
 - a. New River Landfill, Raiford, FL 32083
 - b. Heart of Florida Landfill, Lake Panasoffkee, FL 33538
 2. Materials shall be covered while being transported to prevent materials from exiting the vehicle.
- E. Restoration:
1. Upon project completion, the area used for temporary stockpile and dewatering shall be restored to its existing conditions. All construction materials shall be removed, the existing vegetation restored, and the temporarily removed utility (water and underground electric) components shall be restored to their original configuration and operation.
 2. Contractor shall be responsible for any waste cleanup activities required due to the construction of the project.

END OF SECTION

CONSTRUCTION COMMENCEMENT NOTICE

Instructions: In accordance with Chapter 62-330.350(1)(d), F.A.C., complete and submit this form at least 48 hours prior to commencement of activity authorized by permit.

Permit No. _____ Application No. _____
Project Name _____ Phase _____

Construction of the system authorized by the above referenced Environmental Resource Permit and Application, is expected to commence on _____, 20____ and will have an estimated completion date of _____, 20____

PLEASE NOTE: If the actual construction commencement date is not known within 30 days of issuance of the permit, District staff should be so notified in writing. As soon as a construction commencement date is known, the permittee shall submit a completed construction commencement notice form.

Permittee's or Authorized Agent's Signature _____ Company _____
Print Name _____ Title _____ Date _____
E-mail _____ Phone Number _____

[Reset Form](#)

[Save & Print](#)



As-Built Certification And Request for Conversion to Operation Phase

Instructions: Complete and submit this page within 30 days of completion of the entire project, or any independent portion of the project, as required by the permit conditions. The operation phase of the permit is effective when the construction certification for the entire permit/application is approved by the Agency. If the final operation and maintenance entity is not the permittee, the permittee shall operate the project, system, works, or other activities temporarily until such time as the transfer to the operation entity is finalized (use Form 62-330.310(2)).

Permit No: _____ Application No: _____ Permittee: _____
 Project Name: _____ Phase or Independent Portion (if applicable): _____

I HEREBY CERTIFY THAT (please check only one box):

- To the best of my knowledge, information, and belief, construction of the project has been completed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached are documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.
- Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. Any deviations or independent phasing will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. (Contact the permitting agency to determine whether a modification of the permit will be required in accordance with Rule 62-330.315, F.A.C.) Attached is a description of substantial deviations, a set of as-built drawings, and documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.
- Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. There are substantial deviations that prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. I acknowledge that corrections to the project and/or a modification of the permit will likely be required, and that conversion to the operation phase cannot be approved at this time. As-built or record drawings reflecting the substantial deviations are attached.

For activities that require certification by a registered professional:

By: _____ (Print Name) (Fla. Lic. or Reg. No.)
 Signature
 (Company Name) (Company Address)
 (Telephone Number) (Email Address)

AFFIX SEAL

(Date)

For activities that do not require certification by a registered professional:

By: _____ (Print Name)
 Signature
 (Company Name) (Company Address)



(Telephone Number)

(Email Address)

(Date)



Drawings and Information Checklist

Following is a list of information that is to be verified and/or submitted by the Registered Professional or Permittee:

1. All surveyed dimensions and elevations shall be certified by a registered Surveyor or Mapper under Chapter 472, F.S.
2. The registered professional's certification shall be based upon on-site observation of construction (scheduled and conducted by the registered professional of record or by a project representative under direct supervision) and review of as-built drawings, with field measurements and verification as needed, for the purpose of determining if the work was completed in accordance with original permitted construction plans, specifications, and conditions.
3. If submitted, the as-built drawings are to be based on the permitted construction drawings revised to reflect any substantial deviations made during construction. Both the original design and constructed condition must be clearly shown. The plans need to be clearly labeled as "as-built" or "record" drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. As required by law, all surveyed dimensions and elevations required shall be verified and signed, dated, and sealed by an appropriate registered professional. The following information, at a minimum, shall be verified on the as-built drawings and supplemental documents if needed:
 - a. Discharge structures - Locations, dimensions and elevations of all, including weirs, orifices, gates, pumps, pipes, and oil and grease skimmers;
 - b. Detention/Retention Area(s) – Identification number, size in acres, side slopes (h:v), dimensions, elevations, contours, or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems,
 - c. Side bank and underdrain filters, or exfiltration trenches - locations, dimensions, and elevations of all, including clean-outs, pipes, connections to control structures, and points of discharge to receiving waters;
 - d. System grading - dimensions, elevations, contours, final grades, or cross-sections to determine contributing drainage areas, flow directions, and conveyance of runoff to the system discharge point(s);
 - e. Conveyance - dimensions, elevations, contours, final grades, or cross-sections of systems utilized to divert off-site runoff around or through the new system;
 - f. Benchmark(s) - location and description (minimum of one per major water control structure);
 - g. Datum- All elevations should be referenced to a vertical datum clearly identified on the plans, preferably the same datum used in the permit plans.
4. Wetland mitigation or restoration areas - Show the plan view of all areas, depicting a spatial distribution of plantings conducted by zone (if plantings are required by permit), with a list showing all species planted in each zone, numbers of each species, sizes, date(s) planted, and identification of source of material; also provide the dimensions, elevations, contours, and representative cross-sections depicting the construction.
5. A map depicting the phase or independent portion of the project being certified, if all components of the project authorized in the permit are not being certified at this time.
6. Any additional information or outstanding submittals required by permit conditions or to document permit compliance, other than long-term monitoring or inspection requirements.

REQUEST TO TRANSFER PERMIT

Instructions: Submit this form to the Agency within 30 days after any transfer of ownership or control of the real property where the permitted activity is located.

Note: Use of this form is not required when a valid permit is in the operation and maintenance phase. In such case, the owner must notify the Agency in writing within 30 days of a change in ownership or control of the entire real property, project, or activity covered by the permit. The notification may be letter, e-mail, or using this form, sent to the office that issued the permit. A processing fee is not required for this notice. The permit shall automatically transfer to the new owner or person in control, except in cases of abandonment, revocation, or modification of a permit as provided in Sections 373.426 and 373.429, F.S. (2012). If a permittee fails to provide written notice to the Agency within 30 days of the change in ownership or control, or if the change does not include the entire real property or activity covered by the permit, then the transfer must be requested using this form.

Permit No.: _____ Application No(s): _____ Date Issued: _____

Identification or Name of Surface Water Management System: _____

Phase of Surface Water Management System (if applicable): _____

PART 1: PROPOSED PERMIT HOLDER

The undersigned hereby notifies the Agency that I have acquired ownership or control of the land on which the permitted system is located through the sale or other legal transfer of the land. By signing below, I hereby certify that I have sufficient real property interest or control in the land in accordance with subsection 4.2.3 (d) of Applicant's Handbook Volume I; attached is a copy of my title, easement, or other demonstration of ownership or control in the land, including any revised plats, as recorded in the Public Records. I request that the permit be modified to reflect that I agree to be the new permittee. By so doing, I acknowledge that I have examined the permit terms, conditions, and drawings, and agree to accept all rights and obligations as permittee, including agreeing to be liable for compliance with all of the permit terms and conditions, and to be liable for any corrective actions required as a result of any violations of the permit after approval of this modification by the Permitting Agency. Also attached are copies of any recorded restrictive covenants, articles of incorporation, and certificate of incorporation that may have been changed as a result of my assuming ownership or control of the lands. As necessary, I agree to furnish the Agency with demonstration that I have the ability to provide for the operation and maintenance of the system for the duration of the permit in accordance with subsection 12.3 of Applicant's Handbook Volume I.

Name of Proposed Permit Holder: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: _____ Fax: _____ E-mail: _____



Signature of Proposed Permittee

Date

Title (if any)

PART 2: RESPONSIBLE REGISTERED PROFESSIONAL

Name of Registered Professional who will be responsible for system inspections and reporting as required by Chapter 62-330, F.A.C. (if applicable): _____

Mailing Address: _____

City: _____

State: _____

Zip Code: _____

Telephone: _____

Fax: _____

E-mail: _____

Enclosures:

Copy of recorded transfer of title for surface water management system

Copy of plat(s)

Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation

Other

OPERATION AND MAINTENANCE INSPECTION CERTIFICATION

Instructions: Submit this form to the Agency within 30 days of completion of the inspection after any failure of a stormwater management system or deviation from the permit. This form may also be used to document inspections required under Section 12.4 of Applicant's Handbook Volume I, however submittal to the Agency is not required unless requested by the Agency.

Permit No.: _____ Application No.: _____ Date Issued: _____

Identification or Name of Stormwater Management System: _____

Phase of Stormwater Management System (if applicable): _____

Inspection Date: _____

Inspection results: (check all that apply)

The undersigned hereby certifies that the works or activities are functioning in substantial conformance with the permit. This certification is based upon on-site observation of the system conducted by me or my designee under my direct supervision and my review of as-built plans.

The following maintenance was conducted since the last inspection (attach additional pages if needed):

 The undersigned hereby certifies that I or my designee under my direct supervision has inspected this surface water management system and the system does not appear to be functioning in substantial conformance with the permit. I am aware that maintenance or alteration is required to bring the system into substantial compliance with the terms and conditions of the permit. As appropriate, I have informed the owner of the following:

- (a) The system does not appear to be functioning properly;
- (b) That maintenance or repair is required to bring the system into compliance; and
- (c) If maintenance or repair measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to approval by the agency below.

The following components of the system do not appear to be functioning properly (attach additional pages if needed):

Any components of the constructed system that are not in substantial conformance with the permitted system shall require a written request to modify the permit in accordance with the provisions of Rule 62-330.315, F.A.C. If such modification request is not approved by the agency below, the components of the system that are not in conformance with the permit are subject to enforcement action under Sections 373.119, .129, .136, and .430, F.S.



Name of Inspector: _____ Florida Registration Number: _____

Company Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____ Email: _____

Signature of Inspector

Date

Report Reviewed by Permittee:

Name of Permittee: _____

Signature of Permittee

Date

Title (if any)



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207-8175

May 26, 2023

Regulatory Division
West Branch
Tampa Permits Section
SAJ-2022-02574(NWP-BMC)

Matt Weldon
620 N. Hathaway Ave PO Box 248
Bronson Florida 32621
Sent via email: weldon-matt@levycounty.org

Dear Mr. Weldon:

The U.S. Army Corps of Engineers (Corps) has completed the review of your application for a Department of the Army permit received on August 24, 2022. Your application was assigned file number SAJ-2022-02574. A review of the information and drawings provided indicates that the proposed work would result in the maintenance dredging of 670 linear feet in a chanel with a 60-foot bank width and a 40-foot bottom width (0.96 acre, 4400 +/- cubic yards) to remove accumulated sediments to a maximum depth of approximately -5.0 feet below mean low water (MLW) (-5.5 NAVD88), and restore limited access for public recreational boating at the Shell Mound Park Campground Facility boat ramp. The activities subject to this permit are authorized pursuant to authorities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403). The project is located in Black Point Swamp off of the Gulf of Mexico at 17650 SW 78 PL, in Section 1 Township 15 South, Range 12 East, Cedar Key, Levy County, Florida (29.210575, -83.06374).

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) 35 (Maintenance Dredging of Existing Basins). **This verification is valid until March 14, 2026.** In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the Nationwide Permit General Conditions, the Jacksonville District Regional Conditions, and the General and Project-Specific Special Conditions listed below. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP. You can access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Source Book webpage for links to view NWP information at: <https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>. Please be aware this Internet address is case sensitive and should be entered as it appears above. Once

there, you will need to select "Nationwide Permits." Among other things, this part of the Source Book contains links to the federal register containing the text of the pertinent NWP authorization and the associated NWP general conditions, as well as separate links to the regional conditions applicable to the pertinent NWP verification.

You must comply with all of the special and general conditions for NWP-35, including any project-specific conditions included in this letter and all conditions incorporated by reference as described above.

General Conditions:

1. The time limit for completing the work authorized ends on **March 14, 2026**.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity, or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort of if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner on the attached transfer form and forward a copy to this office to validate the transfer of this authorization.
5. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Project Specific Special Conditions:

The following project specific special conditions are included with this verification:

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

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

The Permittee shall reference permit number, SAJ-2022-02574 (NWP-BMC) on all submittals.

Special Condition 2: Commencement Notification: Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall submit a completed “Commencement Notification” form (**Enclosure 3**).

Special Condition 3: As-Built Certification: Within 60 days of completion of the work authorized by this permit, the Permittee shall submit as-built drawings of the authorized work and a completed “As-Built Certification by Professional Engineer or Surveyor” form (**Enclosure 4**) to the Corps. The as-built drawings shall be signed and sealed by a registered professional engineer or surveyor and include the following:

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

- c. The Department of the Army permit number on all sheets submitted.

Special Condition 4: Cultural Resources/Historic Properties:

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

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

Special Condition 5: Assurance of Navigation and Maintenance: The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

Special Condition 6: Manatee Conditions: The Permittee shall comply with the “Standard Manatee Conditions for In-Water Work- 2011” ([Enclosure 5](#)).

Special Condition 7: Jacksonville District Programmatic Biological Opinion (JAXBO): Structures and activities authorized under this permit will be constructed and operated in accordance with all applicable PDCs contained in the JAXBO, based on the permitted activity. Failure to comply with applicable PDCs will constitute noncompliance with this permit. In addition, failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take. The NMFS is the appropriate authority to determine compliance with the Endangered Species Act. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division website in the Endangered Species section of the Sourcebook located at: <http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>

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

Special Condition 8: Dredged Material Disposal: The Permittee shall place all dredged material in a self-contained, upland disposal site as detailed in ([Enclosure 1](#)), Drawing 5 of 13. The Permittee shall maintain the upland disposal site to prevent the discharge of dredged material and associated effluent into waters of the United States.

Special Condition 9: Seasonal Dredging Restrictions: As the project is located within Gulf sturgeon designated critical habitat, **no dredging may occur between September and March**, when Gulf sturgeon is likely to be present in these areas.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

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

This letter of authorization does not preclude the necessity to obtain any other Federal, State, or local permits, which may be required.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. Please be aware this Internet address is case sensitive and you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Should you have any questions related to this NWP verification or have issues accessing the documents referenced in this letter, please contact Barbara M. Cory at the Tampa Permits Section at 10117 Princess Palm Ave., Suite 120, Tampa FL 33610, by telephone at (813) 697-2870, or by email at barbara.m.cory@usace.army.mil.

Sincerely,

Barbara M. Cory
Project Manager
Tampa Permits Section

Enclosures

ENCL1 Project Drawings (13 pages)
ENCL2 Nationwide Permit 35 & Regional Conditions
ENCL3 Commencement Notification Form
ENCL4 As Built- Certification Form
ENCL5 Manatee Construction Conditions
ENCL6 Transfer Form

Cc:

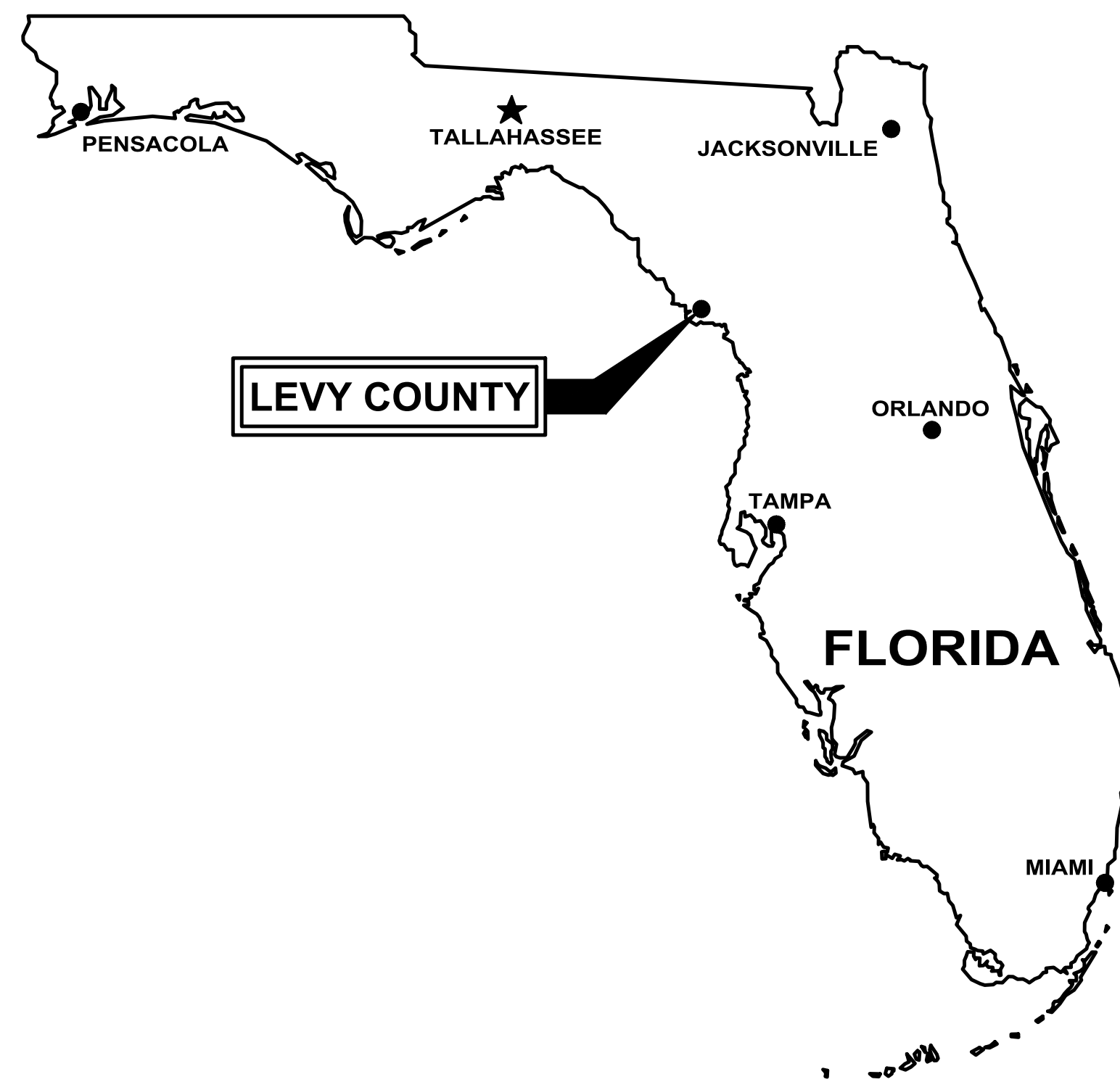
Agent email: michael.hoffman@wright-pierce.com

COUNTY OF LEVY, FLORIDA

CONTRACT DRAWINGS FOR

SHELL MOUND BOAT RAMP DREDGING

JULY 2022
PERMIT



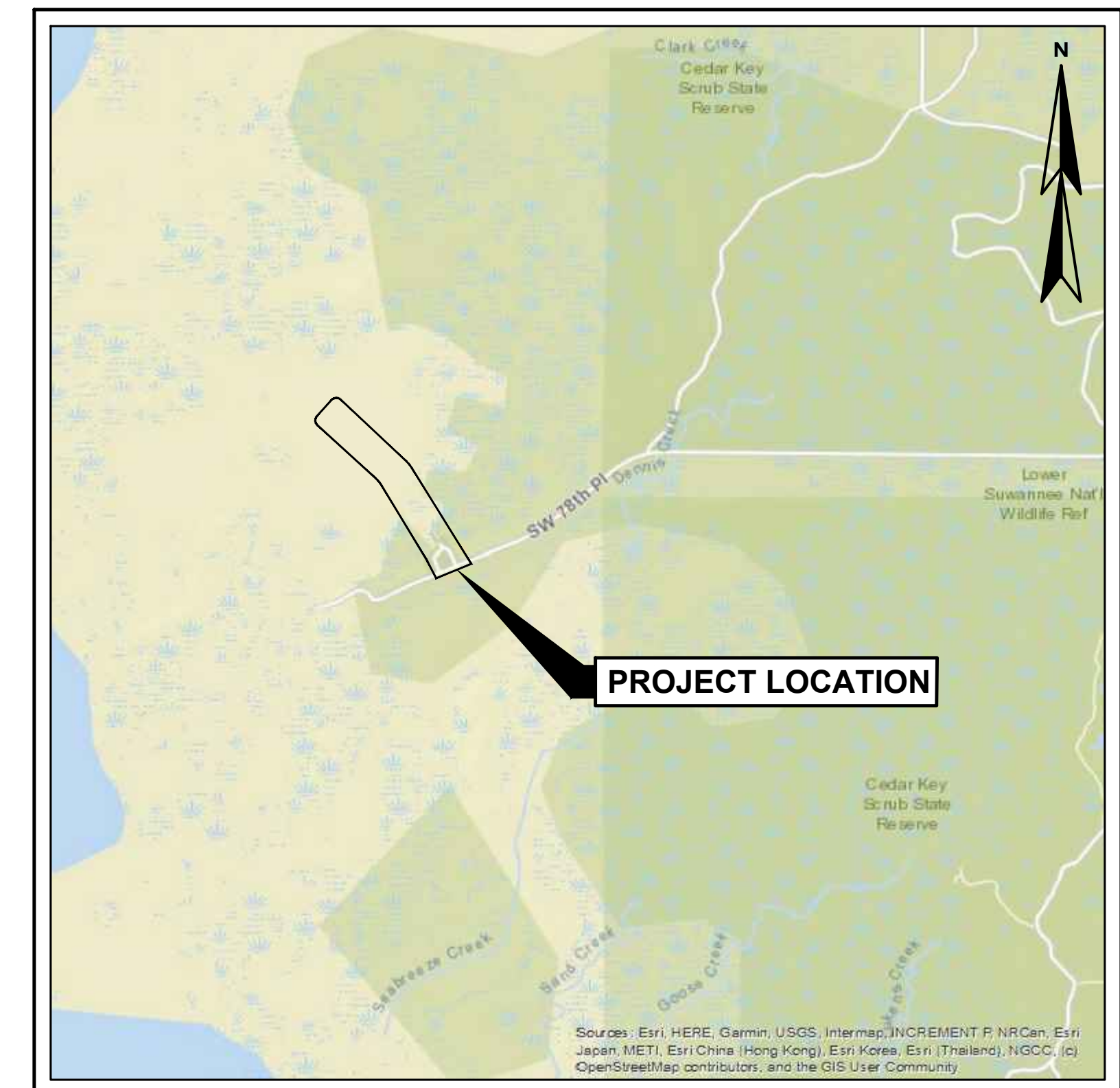
DRAWING INDEX

GENERAL

--- COVER SHEET

CIVIL

- C-1 GENERAL NOTES, LEGEND, AND ABBREVIATIONS
- 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
- C-7 CROSS SECTIONS STA 10+00 TO STA 12+50
- C-8 STORMWATER POLLUTION PREVENTION NOTES I
- 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

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800.422.1095 | 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, WATER/SEWER/DRAIN. Includes details like TBID (INSERT NAME), TBID (INSERT ADDRESS), TBID (ADDRESS CONT.), TBID (INSERT PHONE), and telephone/cable information.

- 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 RESETTling 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 NAVD88 DATUM. 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 and full names, including symbols for diameter, number, approved, brick, building, catch basin, center, etc.

Legend table with columns for EXISTING and PROPOSED symbols, and descriptions for items like PROPERTY/ROW LINE, SETBACK LINE, EASEMENT LINE, CENTERLINE, EDGE OF PAVEMENT, CURBING, etc.

Revisions table with columns for APPD, DATE, and REVISIONS.

Project information table including PROJECT NO., DESIGNED BY, CAD COORD., CHECKED, DATE, APPROVED, DATE, and SUBMISSIONS.

Designation table for symbols used in the drawing, such as SPOT ELEVATION, SEWER MANHOLE, DRAINAGE MANHOLE, etc.

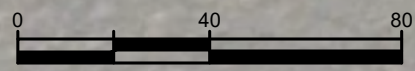
WRIGHT-PIERCE logo and contact information: 800.422.1095, www.wright-pierce.com, 3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624

COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS GENERAL NOTES, LEGEND, AND ABBREVIATIONS



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
SCALE: 1"=40'

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

NO	REVISIONS	APPD DATE

COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS		EXISTING CONDITIONS	
DRAWING		C-2	

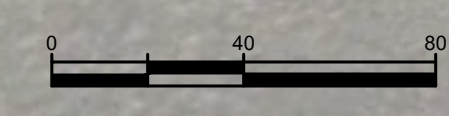
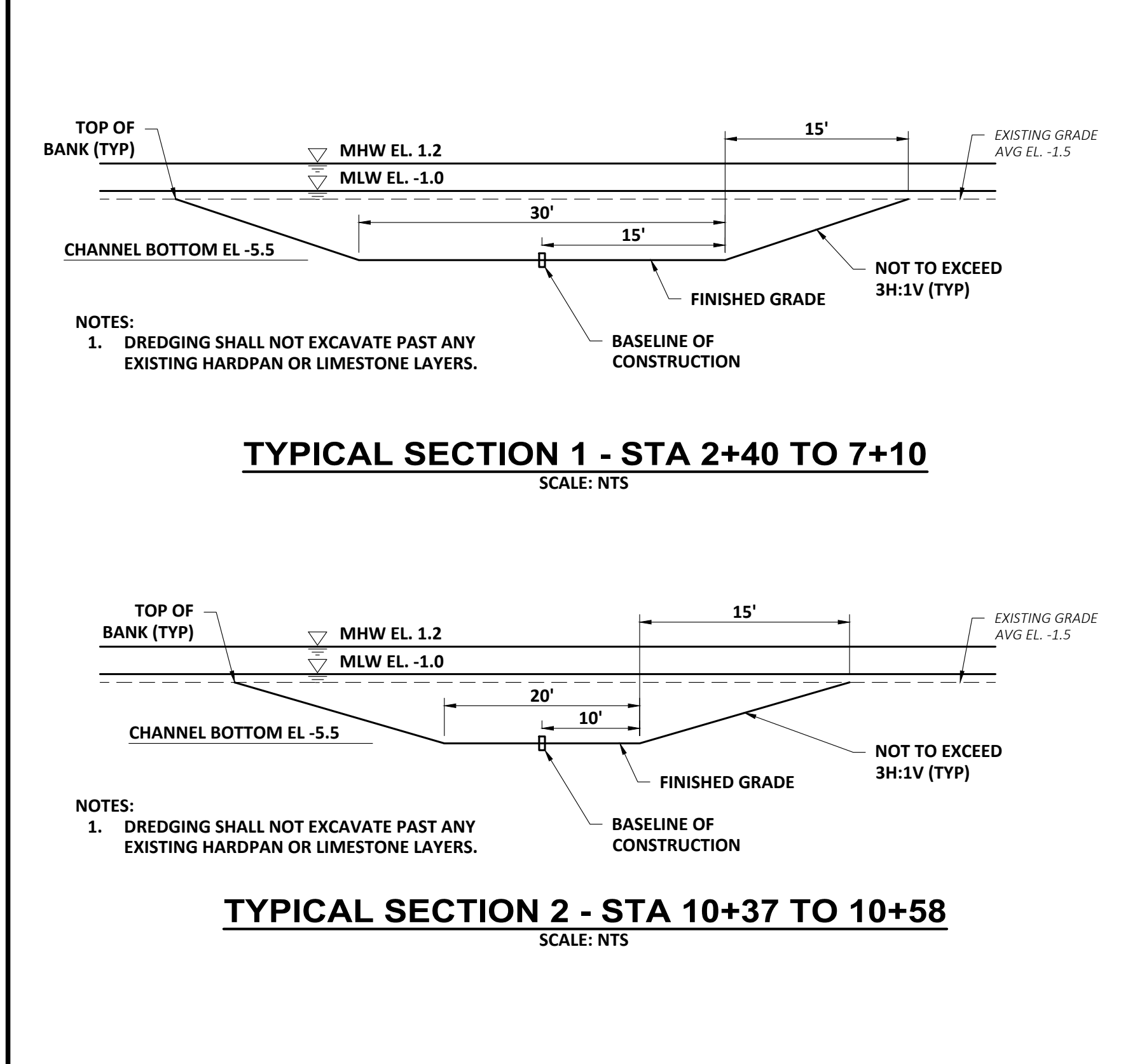
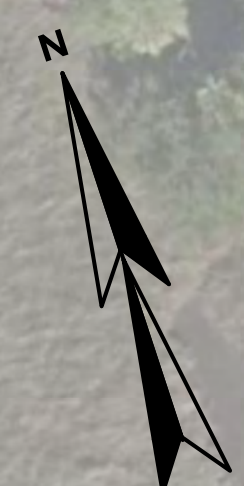
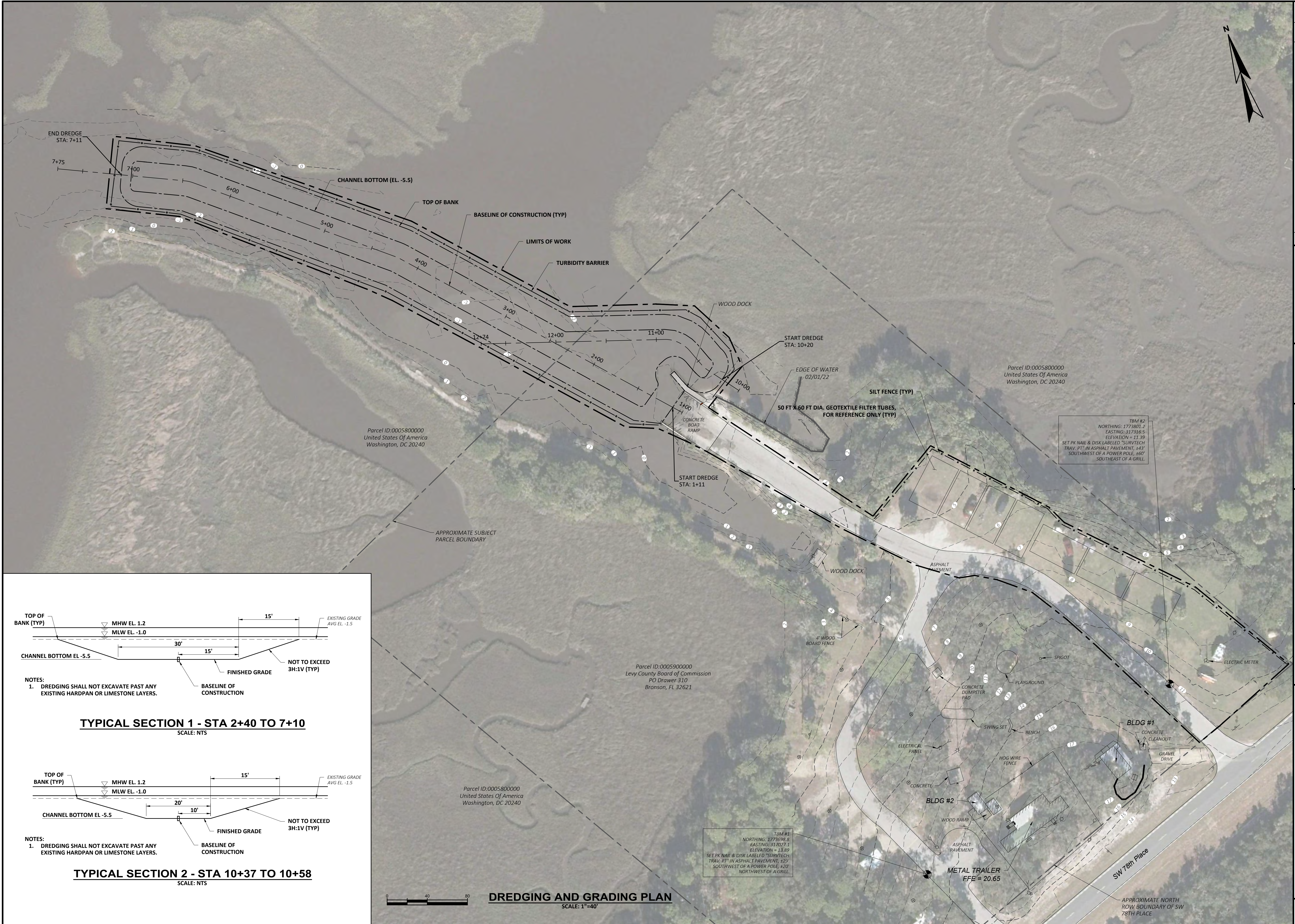
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COUNTY OF LEVY, FLORIDA
SHELL MOUND
BOAT RAMP IMPROVEMENTS

DRAWING
C-2

LAST SAVED BY: REMOTECAD 7/27/2023 10:15 AM

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DREDGING AND GRADING PLAN
SCALE: 1"=40'

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	DATE

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

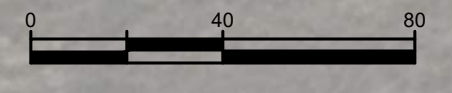
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COUNTY OF LEVY, FLORIDA
SHELL MOUND
BOAT RAMP IMPROVEMENTS

DREDGING AND GRADING PLAN

DRAWING C-3



STORMWATER POLLUTION PREVENTION PLAN
SCALE: 1"=40'

NO	REVISIONS	APPD	DATE

PROJECT NO:	20850
DESIGNED BY:	M.HOFFMAN
CAD COORD:	D.METZ
CAD:	D.METZ
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	PERMIT

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

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
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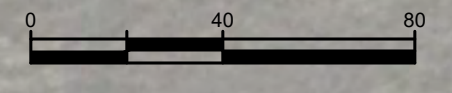
APPROXIMATE NORTH ROW BOUNDARY OF SW 78TH PLACE

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<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>	<p>STORMWATER POLLUTION PREVENTION PLAN</p>
<p>DRAWING</p>	<p>C-10</p>

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STORMWATER POLLUTION PREVENTION PLAN

SCALE: 1"=40'

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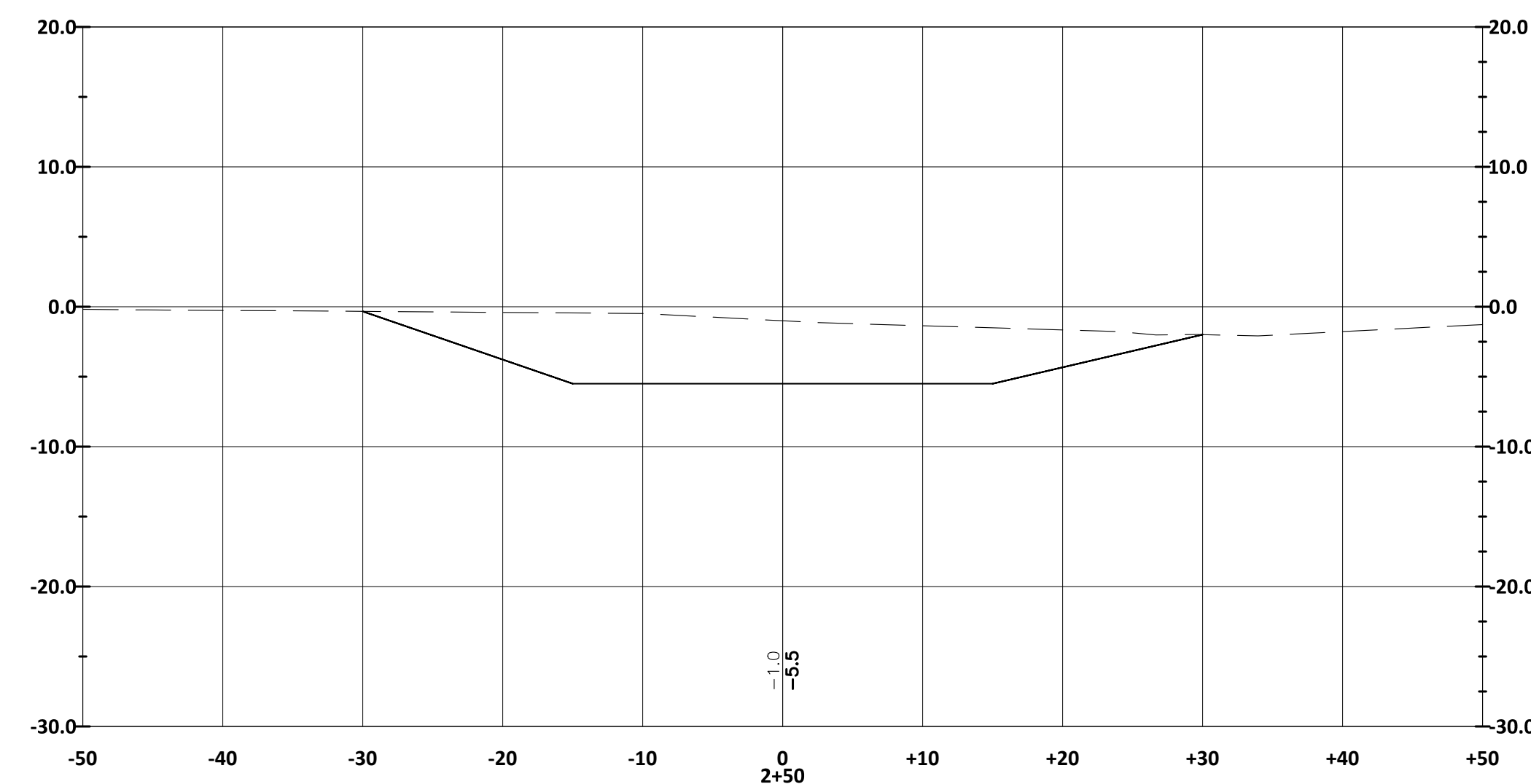
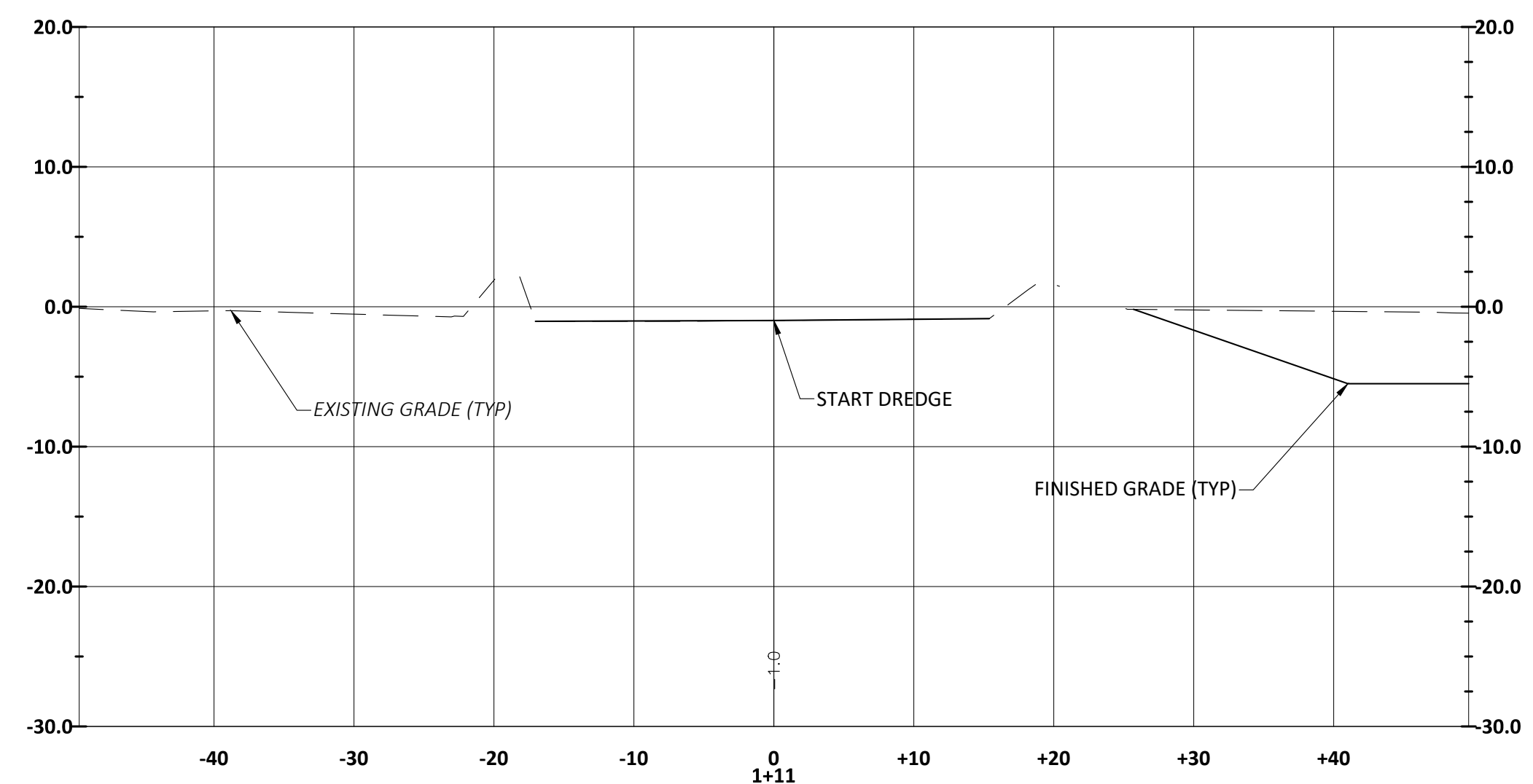
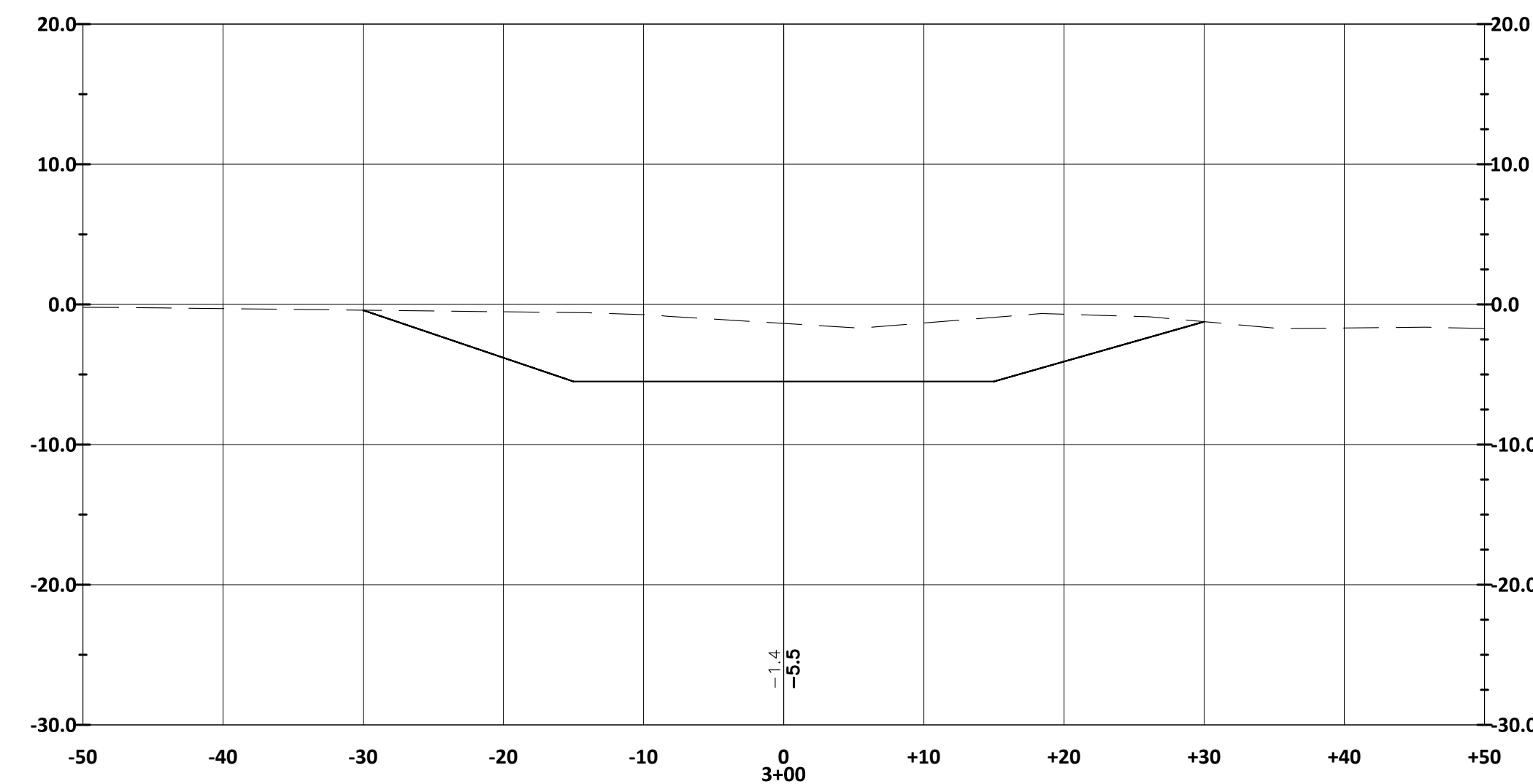
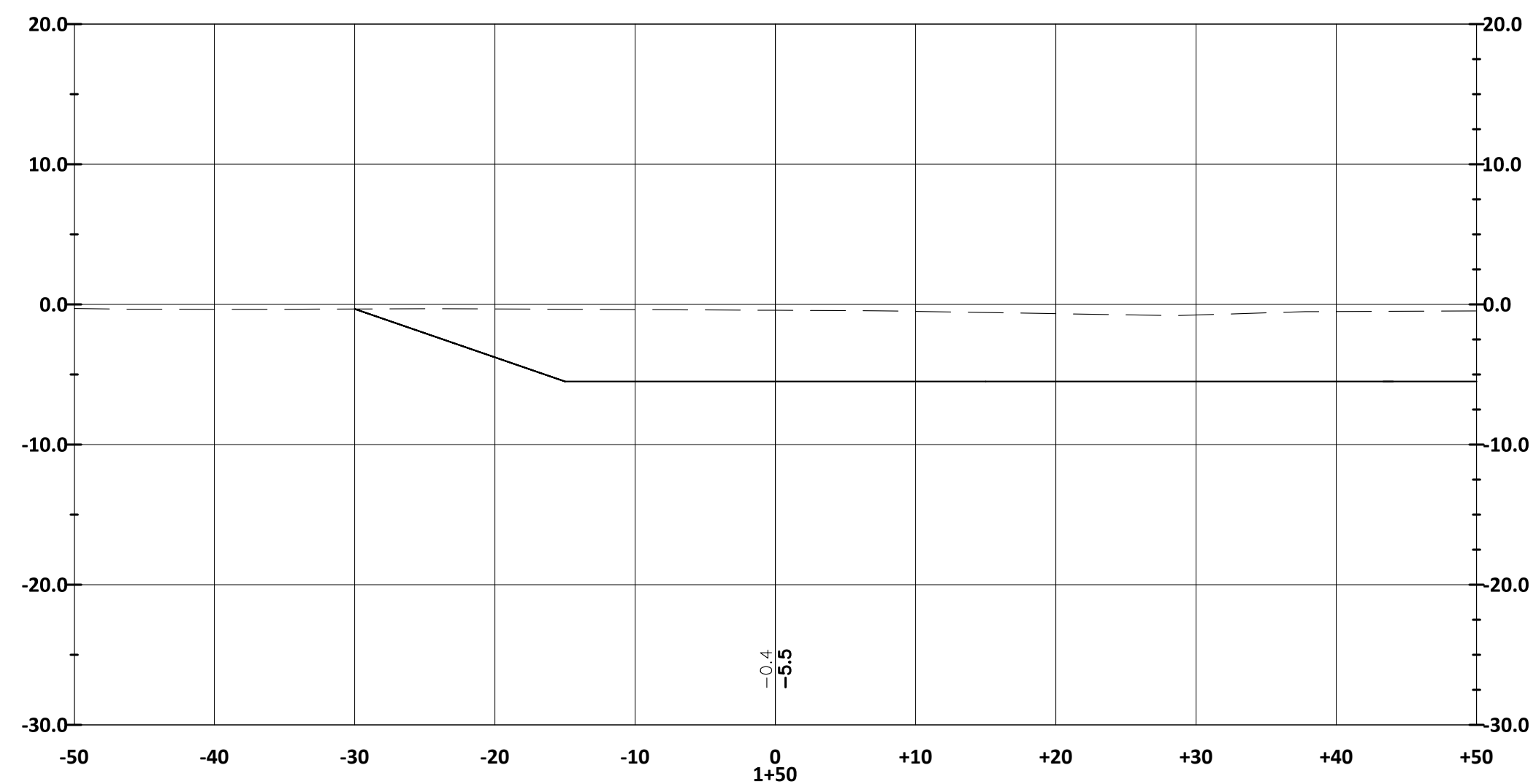
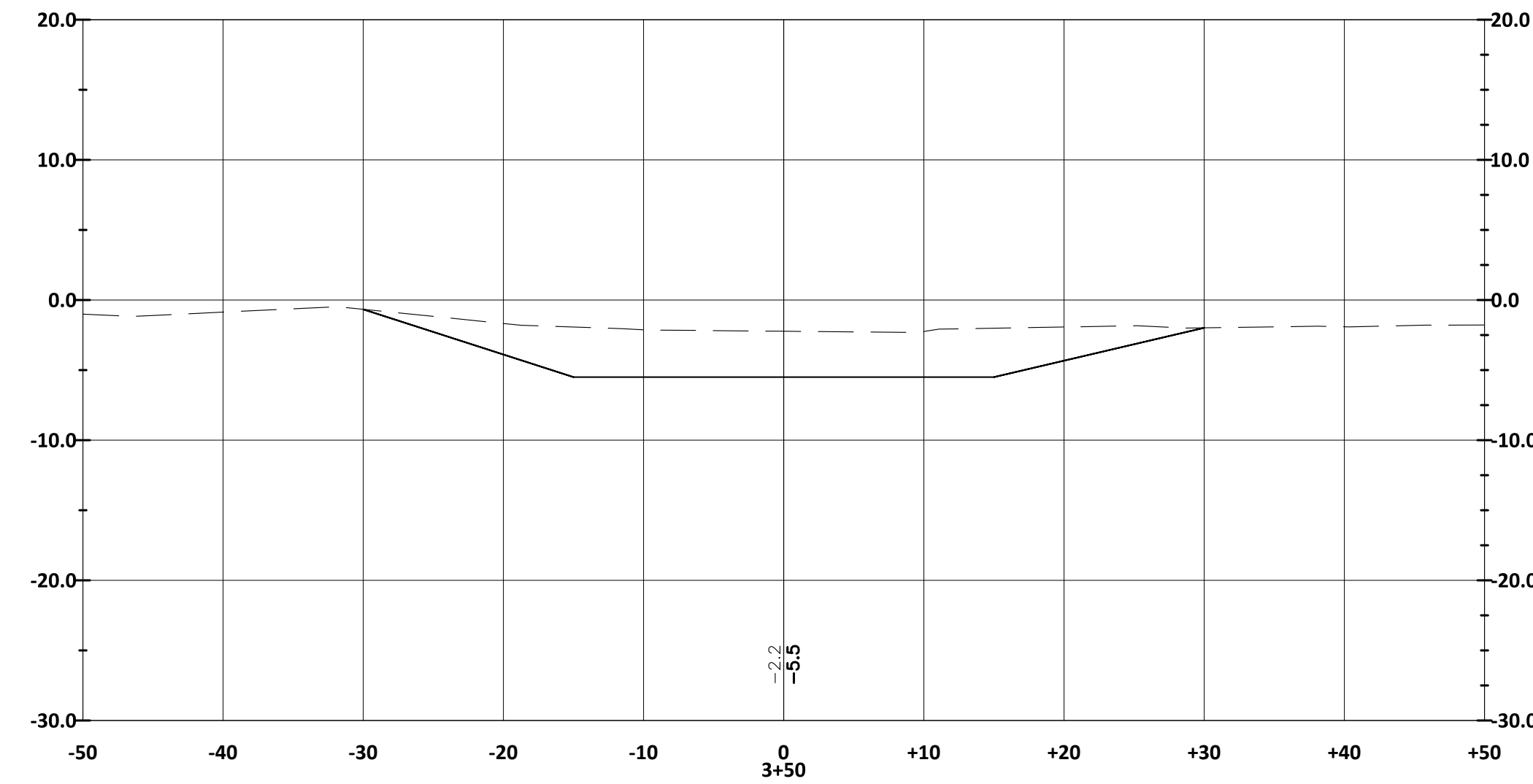
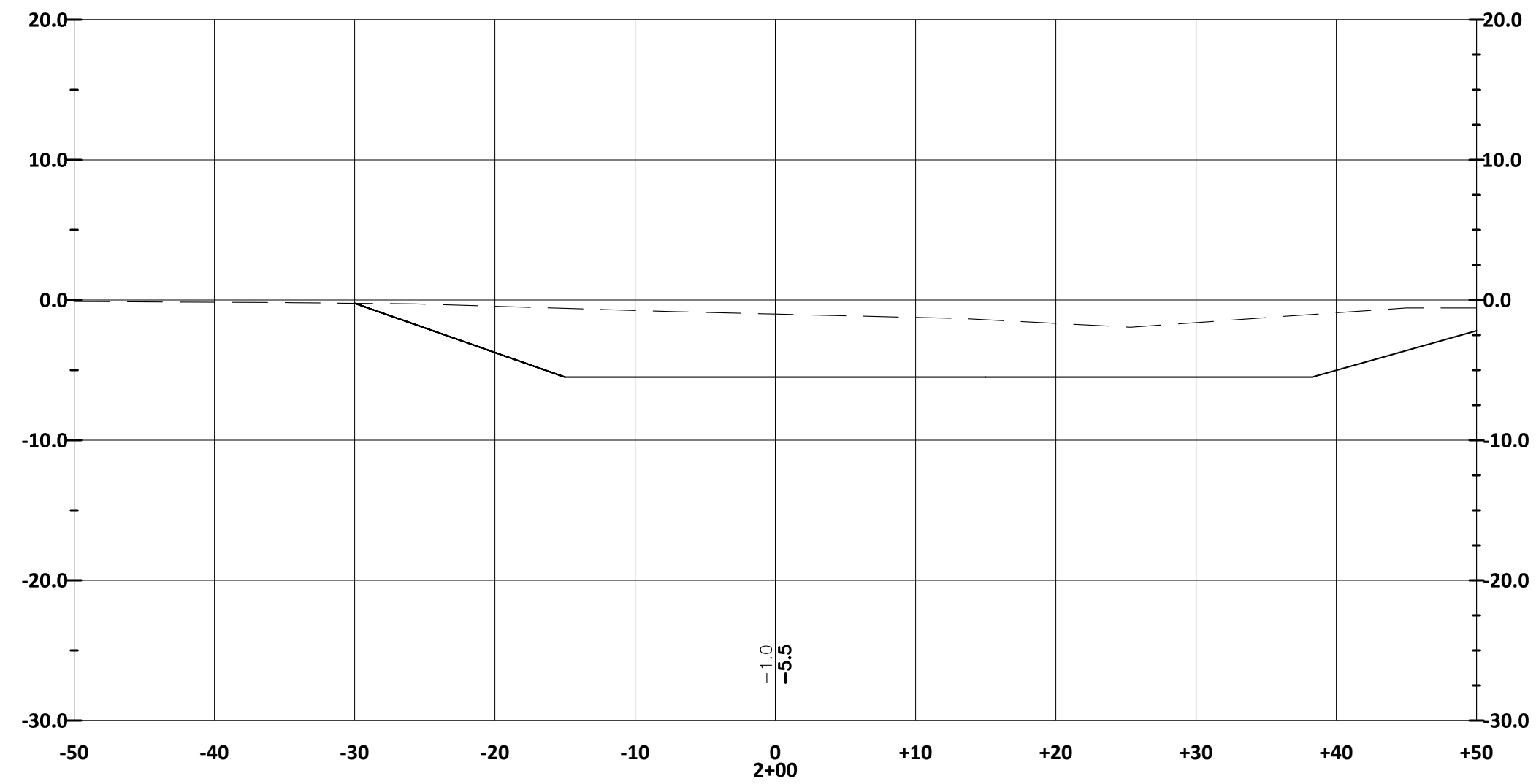
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DESIGNED:	M.HOFFMAN
CAD COORD:	D.METZ
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SUBMISSION:	60% DESIGN

Parcel ID: 0005800000 United States Of America Washington, DC 20240	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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<p>COUNTY OF LEVY, FLORIDA</p> <p>SHELL MOUND</p> <p>BOAT RAMP IMPROVEMENTS</p>	<p>STORMWATER POLLUTION PREVENTION PLAN</p>
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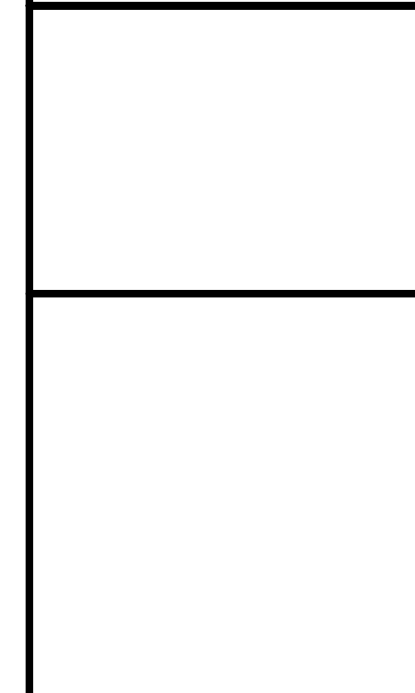
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CROSS SECTIONS
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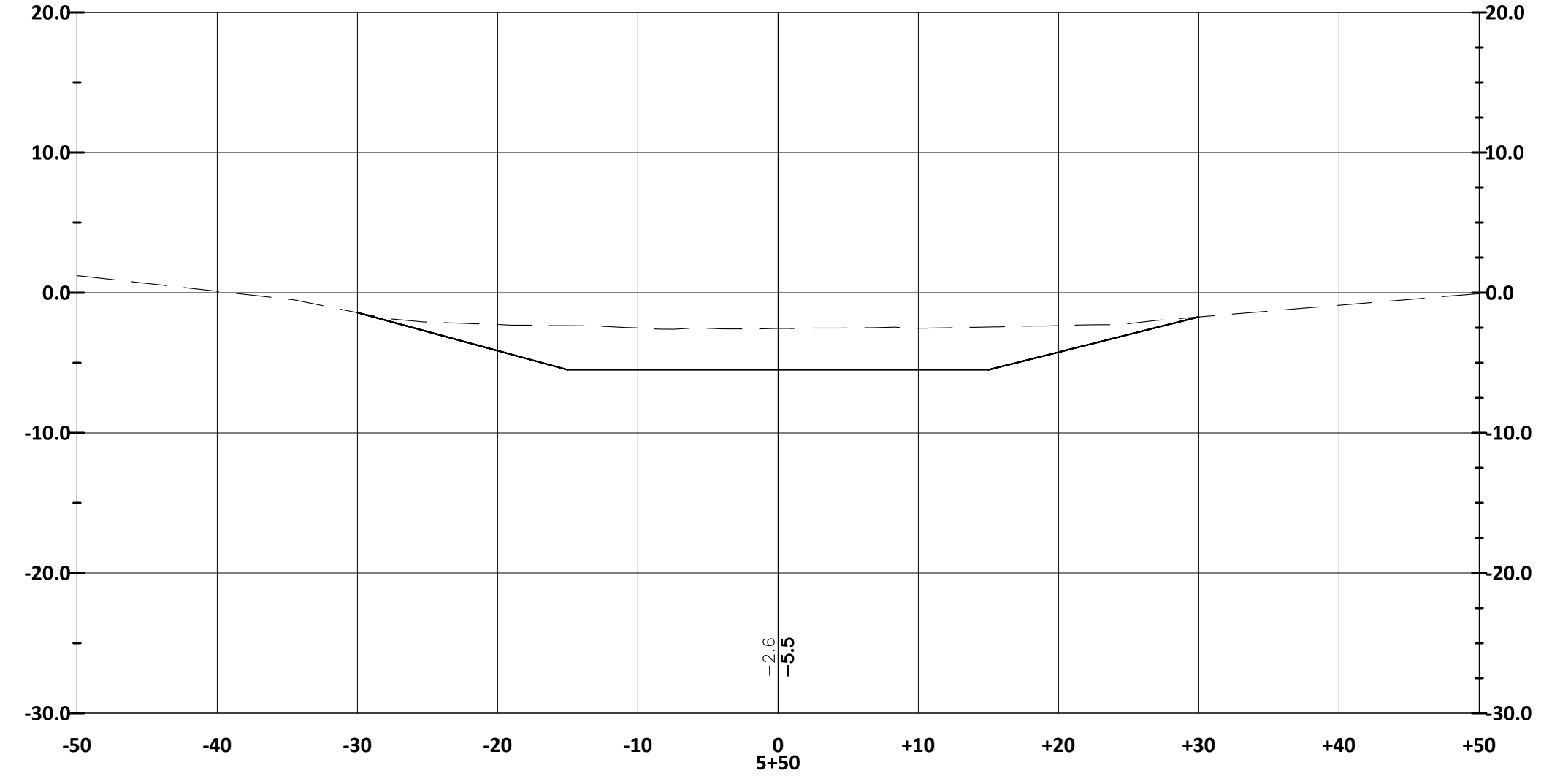
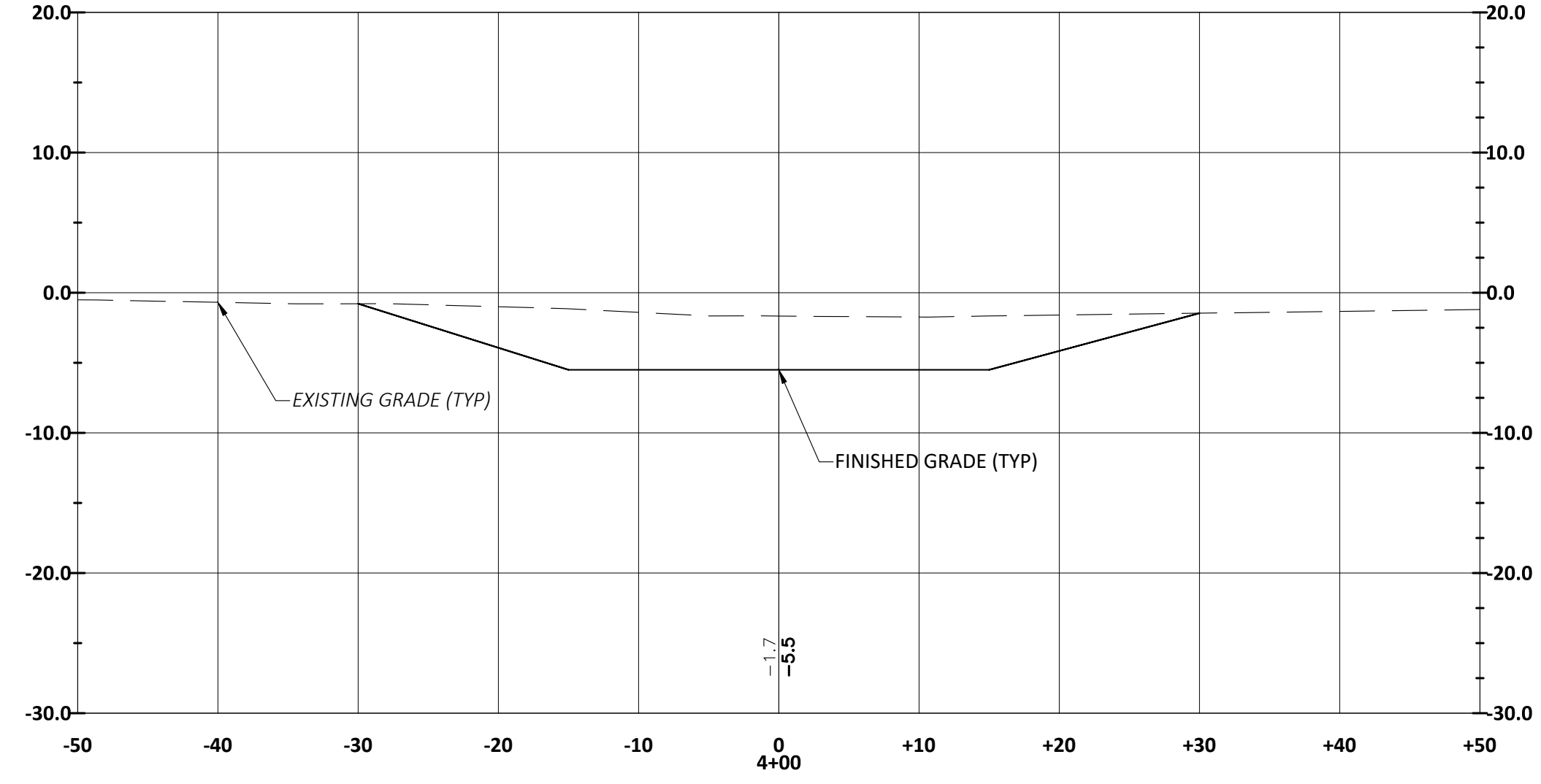
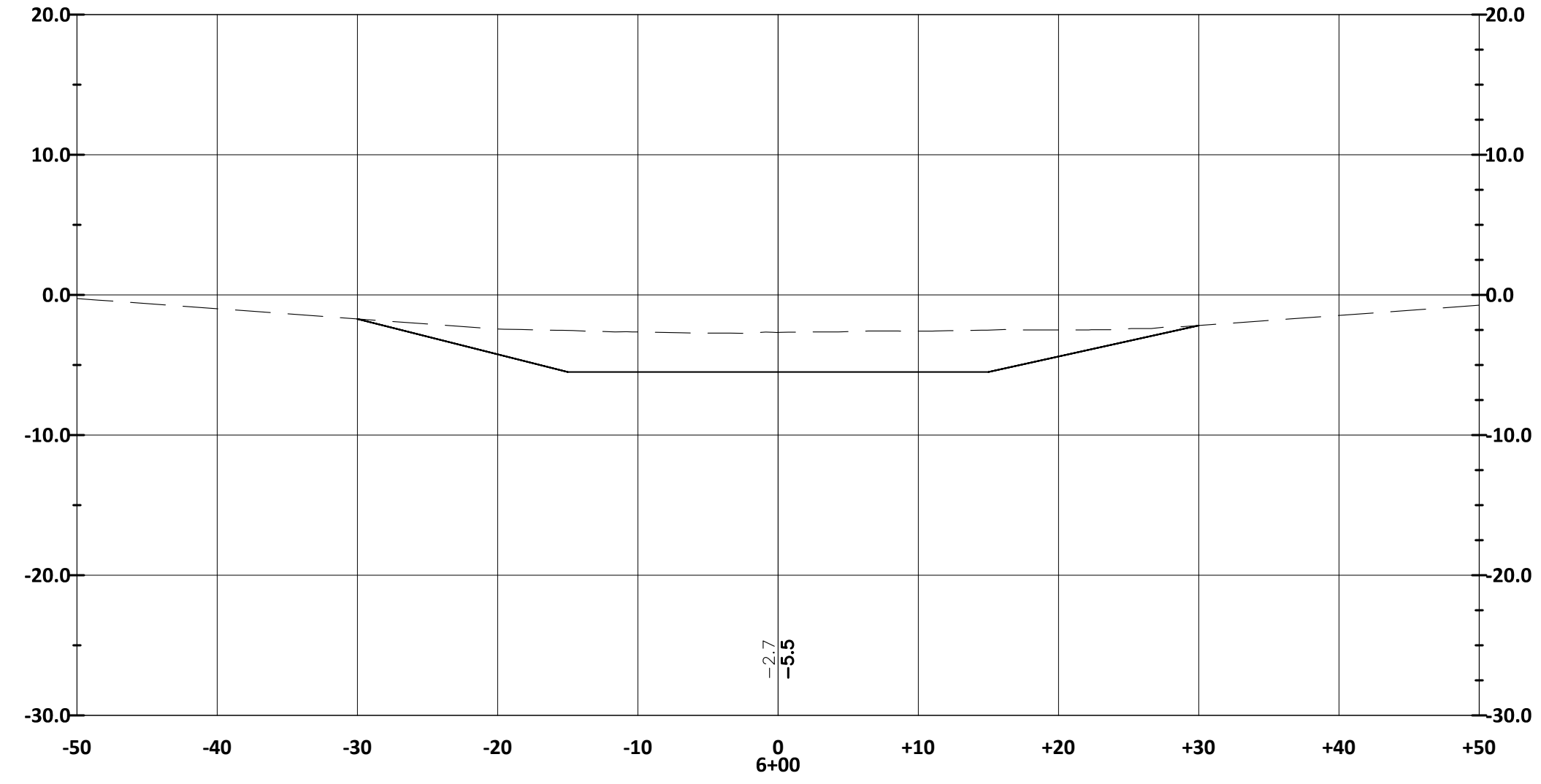
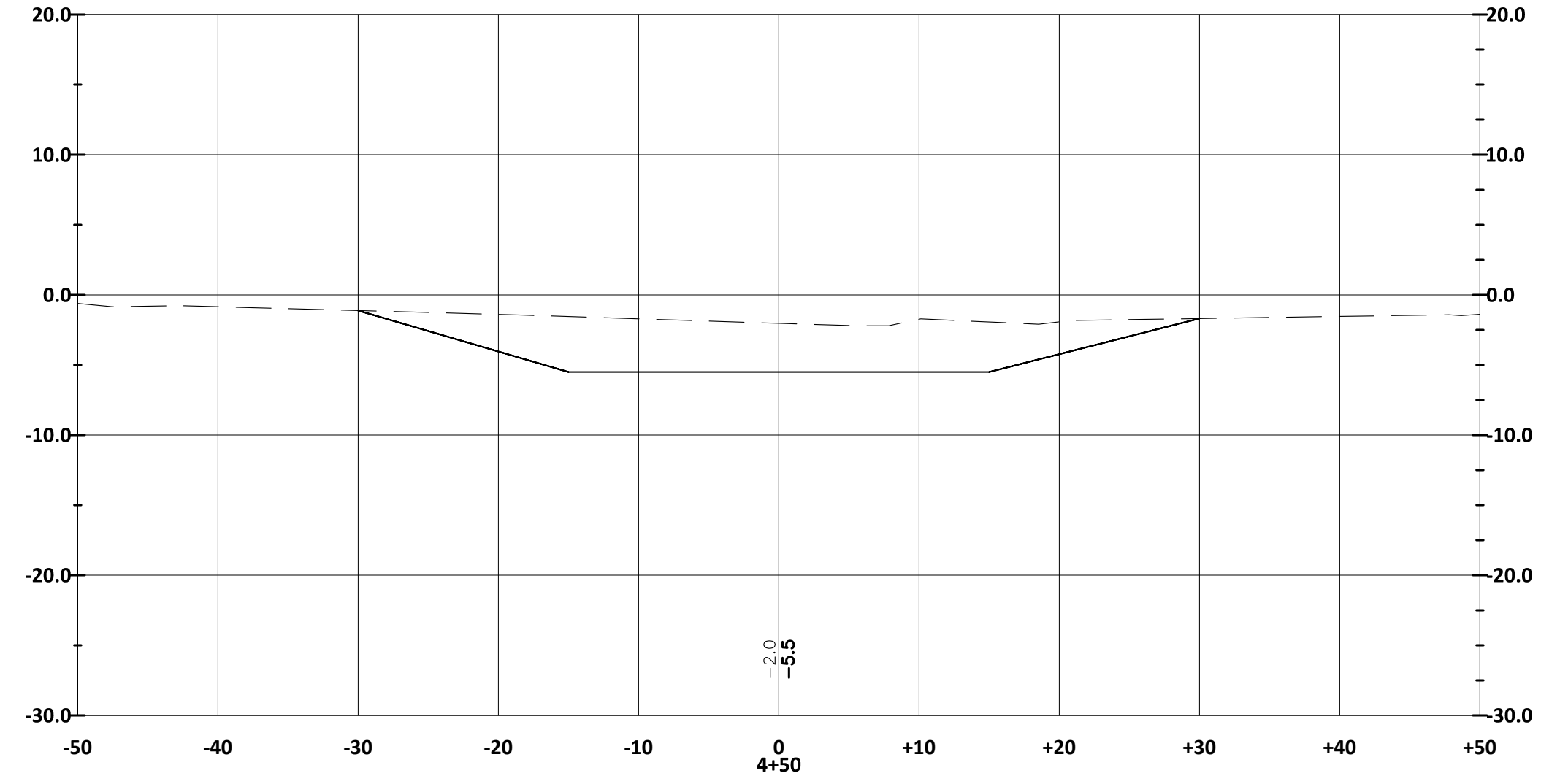
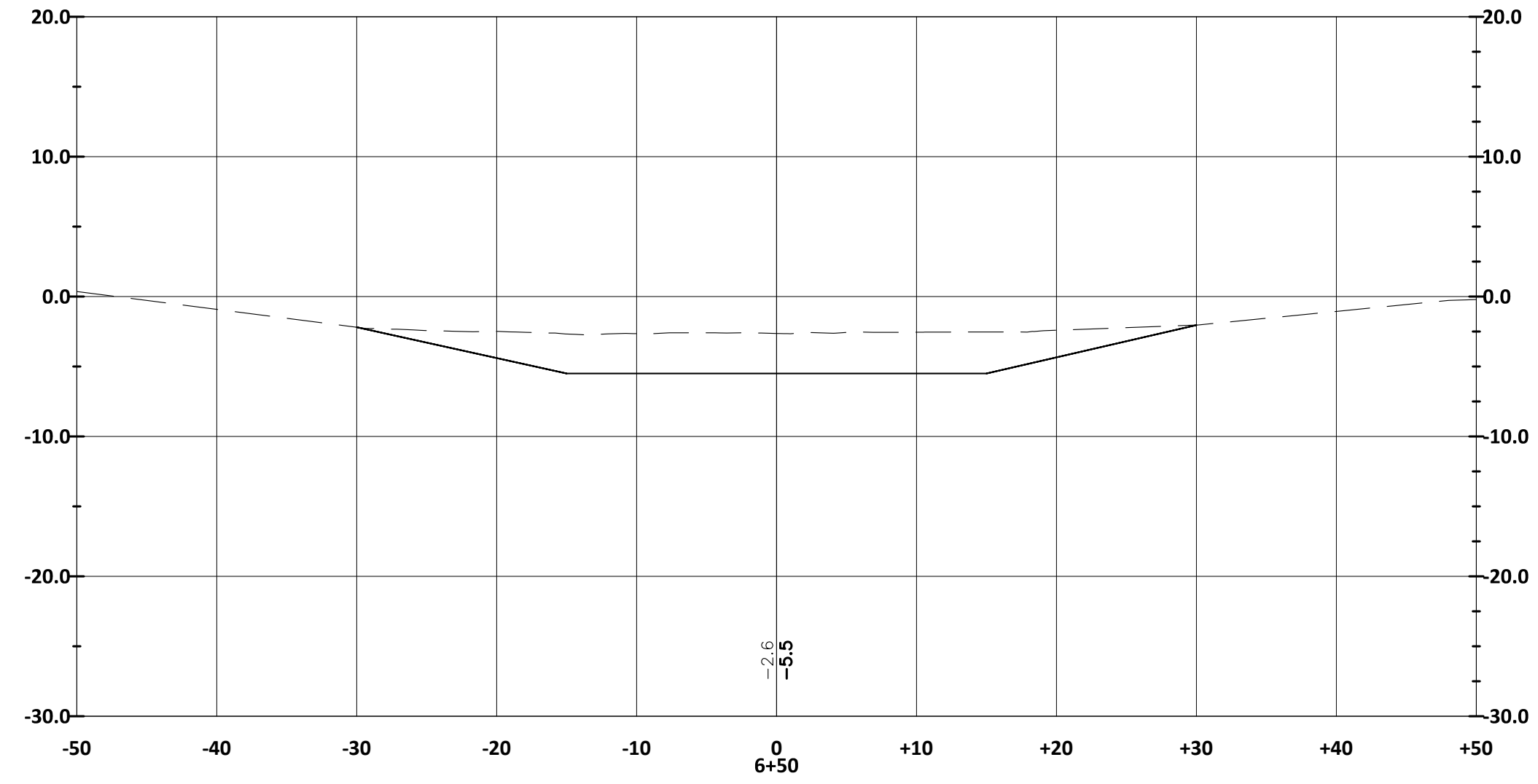
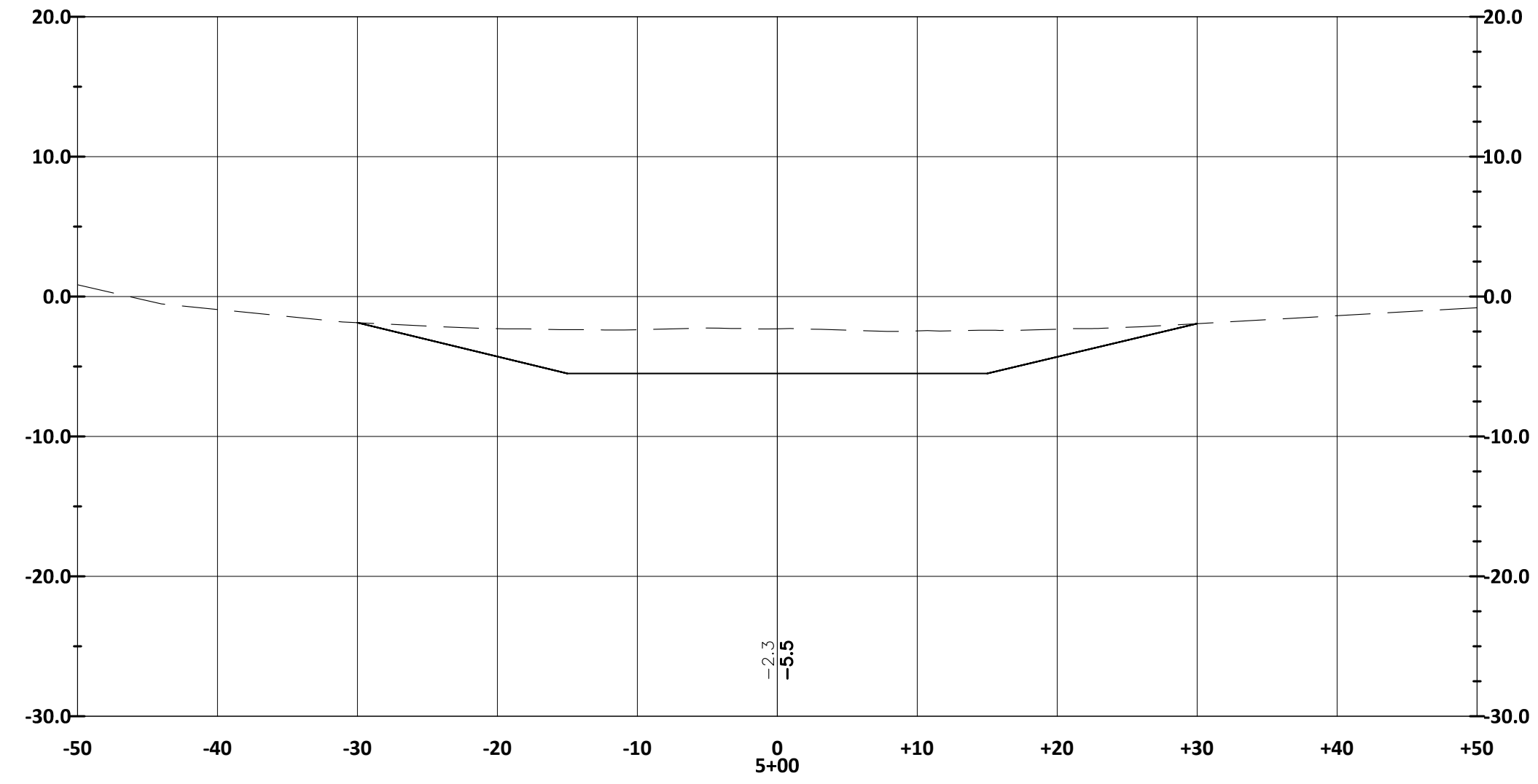
NO	REVISIONS	APPD	DATE
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PROJECT NO: 20850
 DESIGNED: M.HOFFMAN
 CAD COORD: D.METZ
 CAD: D.METZ
 CHECKED: DATE:
 APPROVED: DATE:
 SUBMISSION: 60% DESIGN



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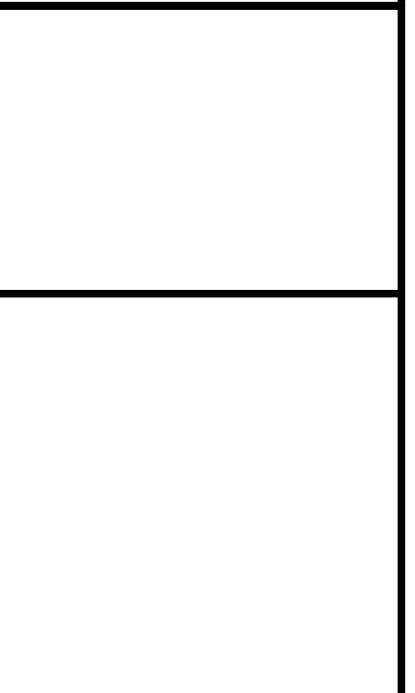
COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS
 CROSS SECTIONS STA 1+00 TO STA 3+50



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

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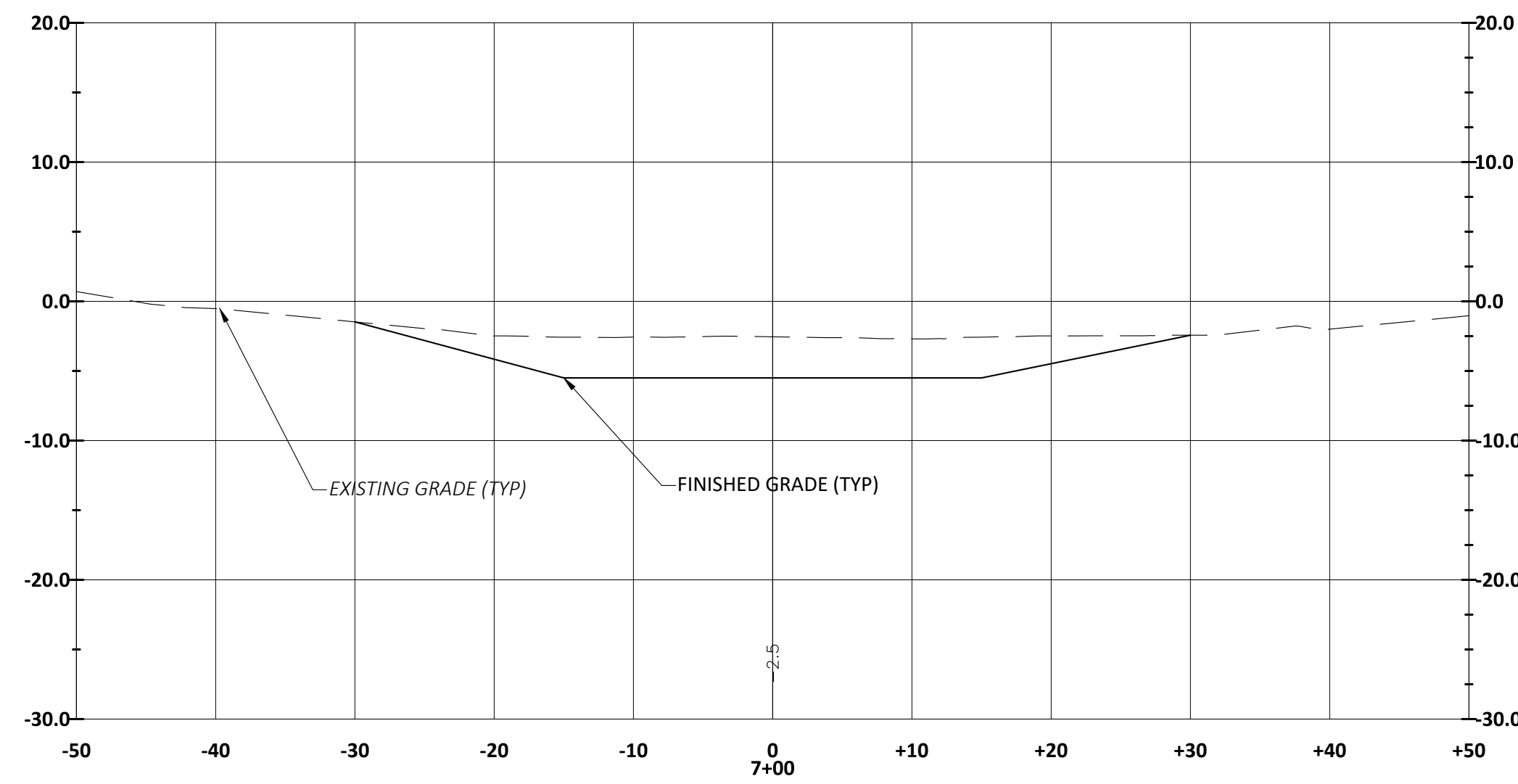
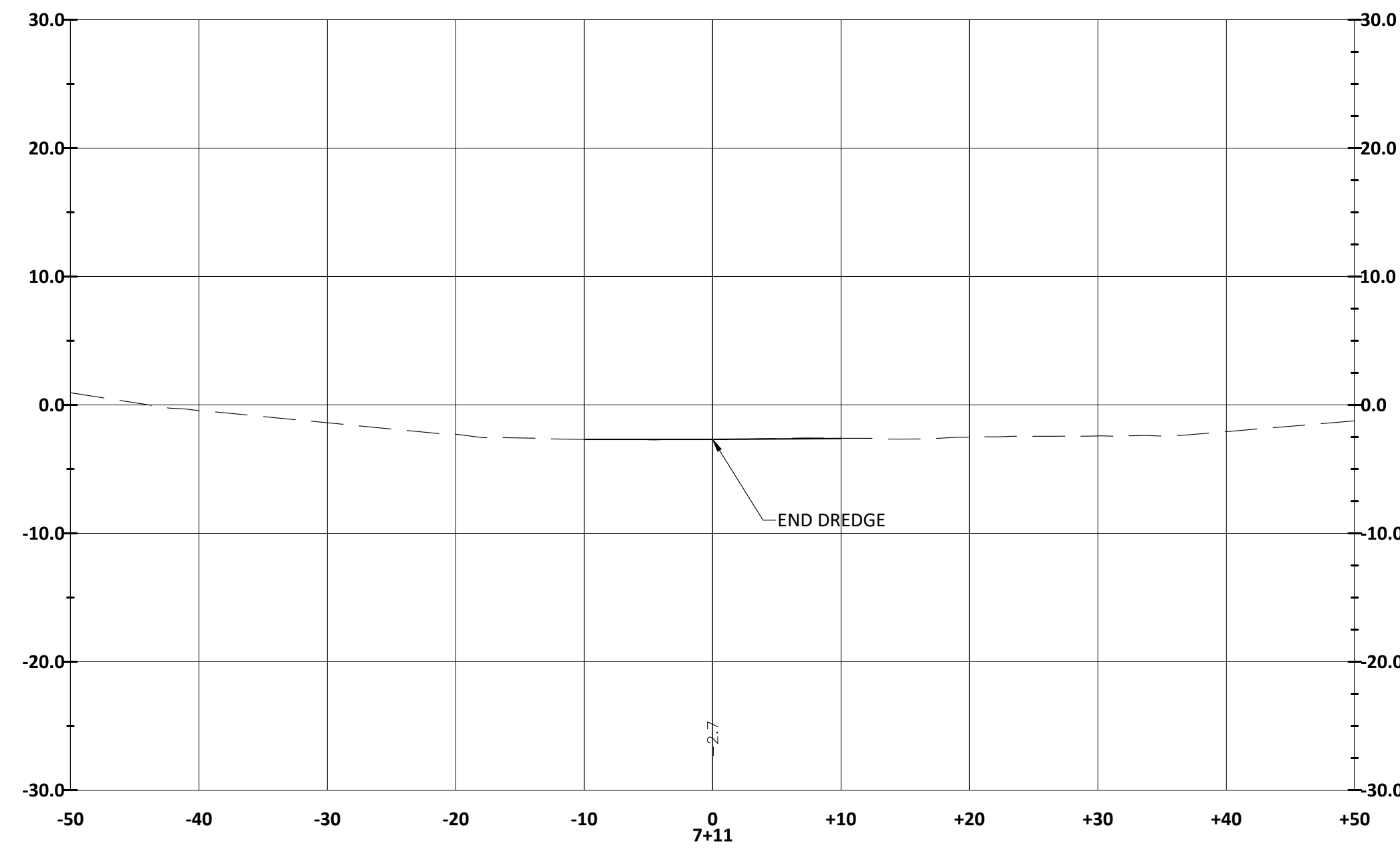
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 DESIGNED: M.HOFFMAN
 CAD COORD: D.METZ
 CAD: D.METZ
 CHECKED:
 DATE:
 APPROVED:
 DATE:
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COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS
 CROSS SECTIONS STA 4+00 TO STA 6+50

DRAWING
C-5



CROSS SECTIONS

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

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

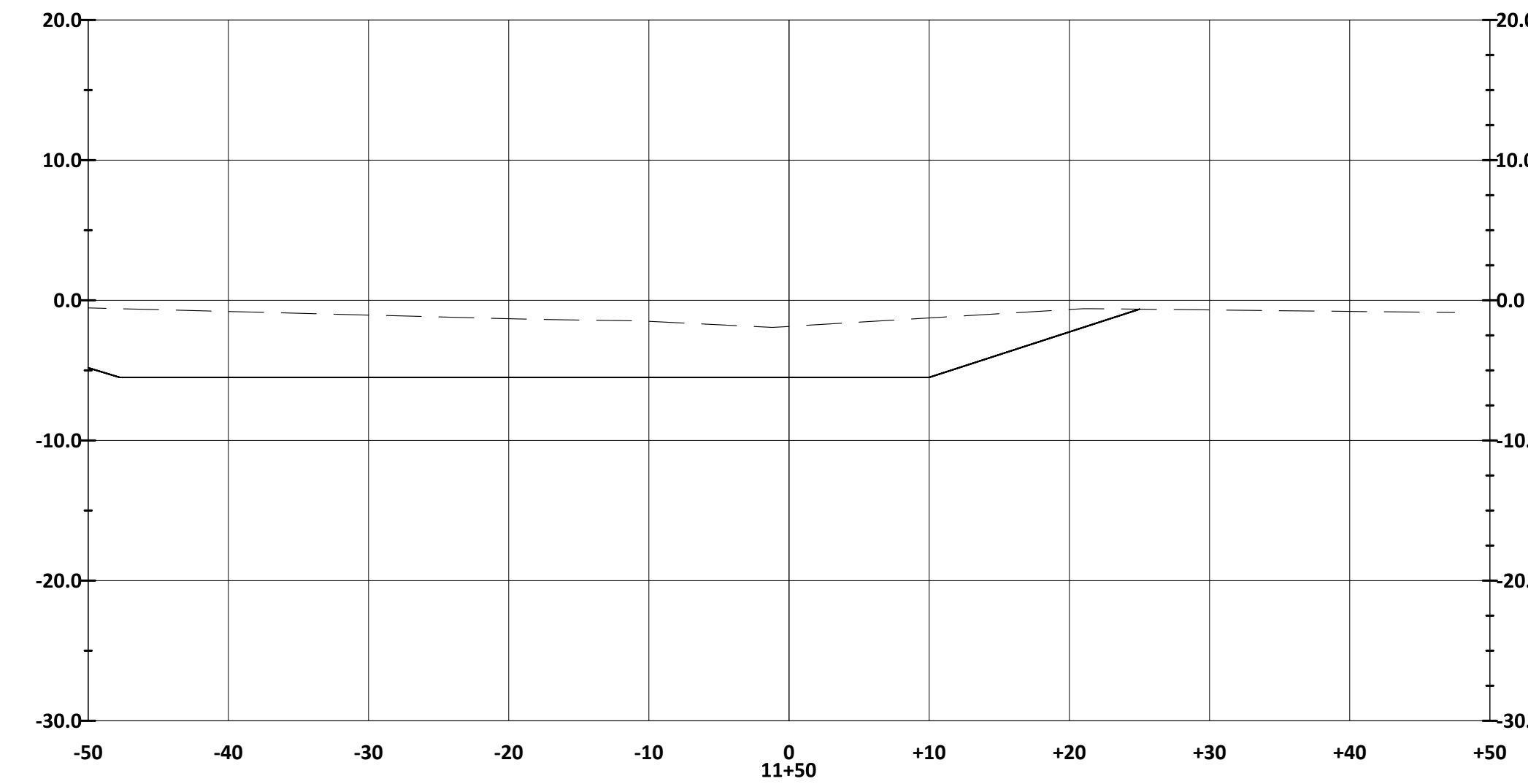
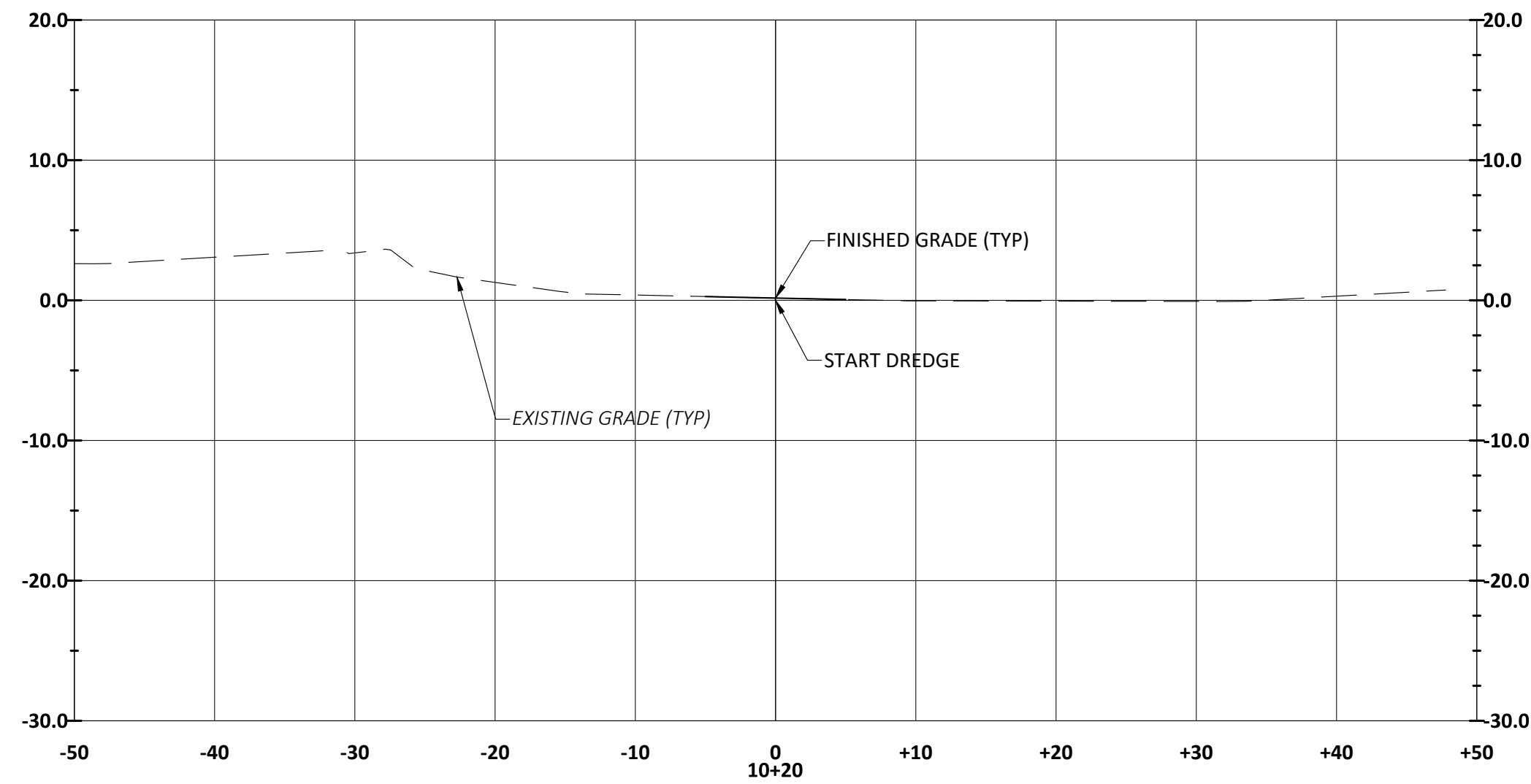
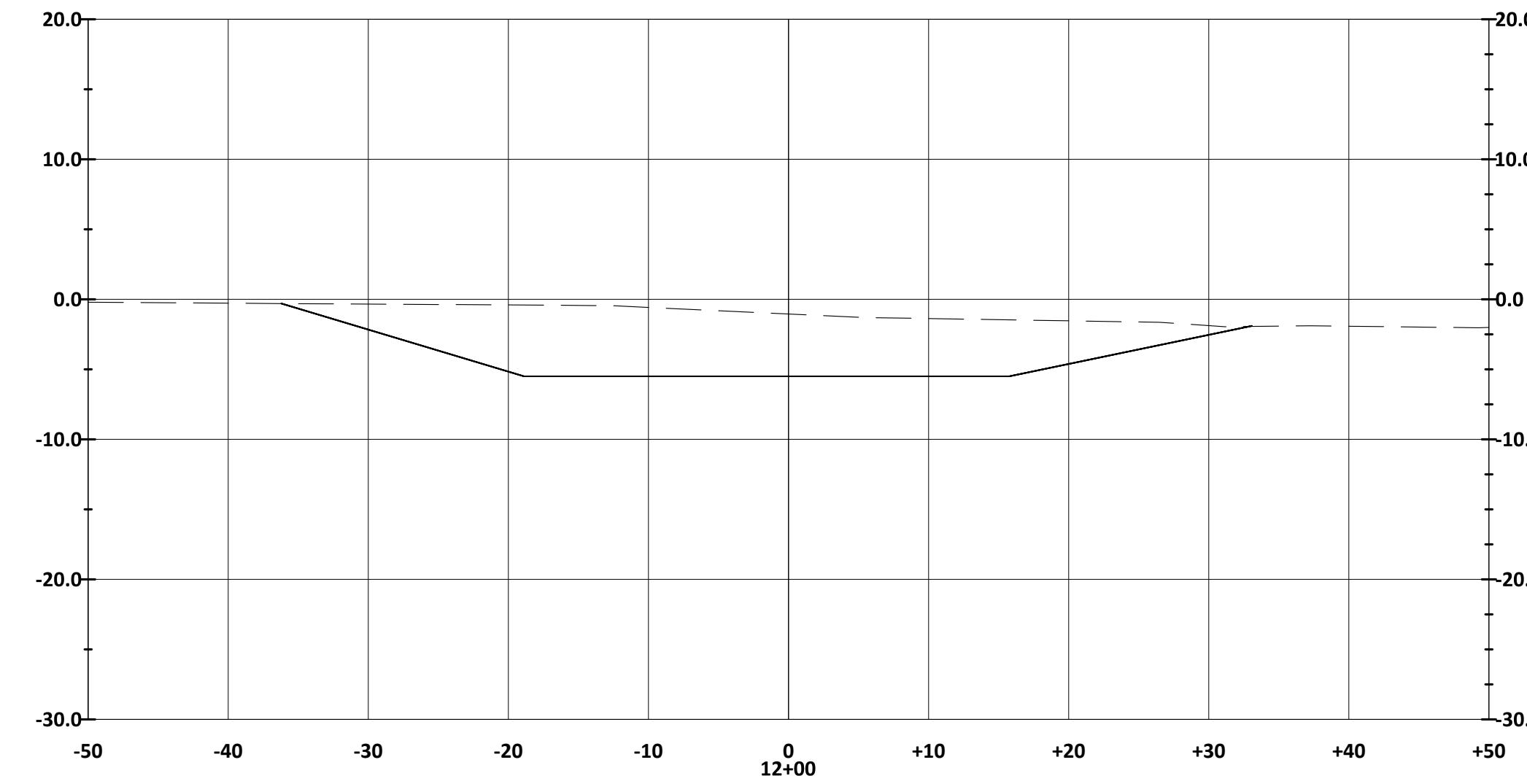
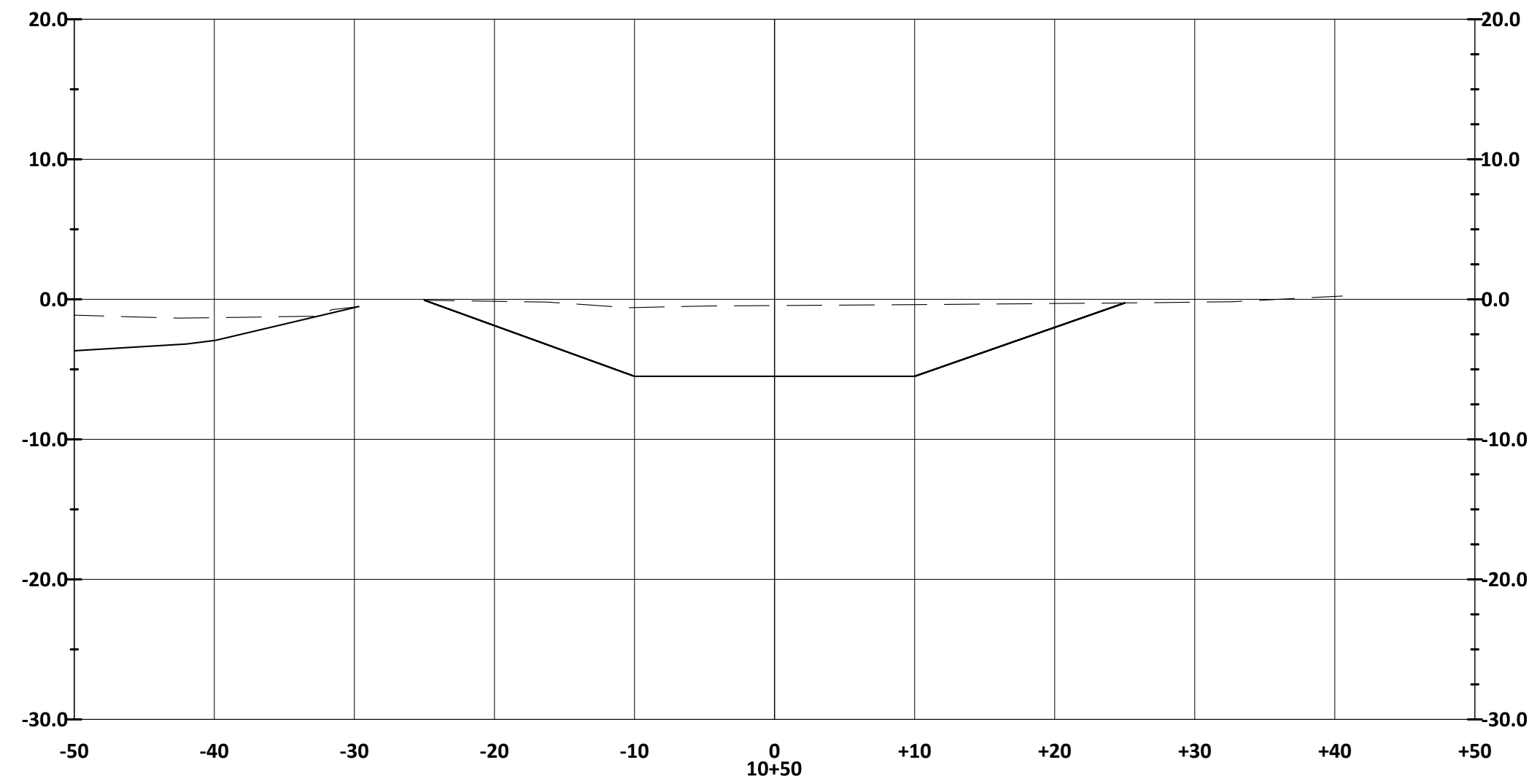
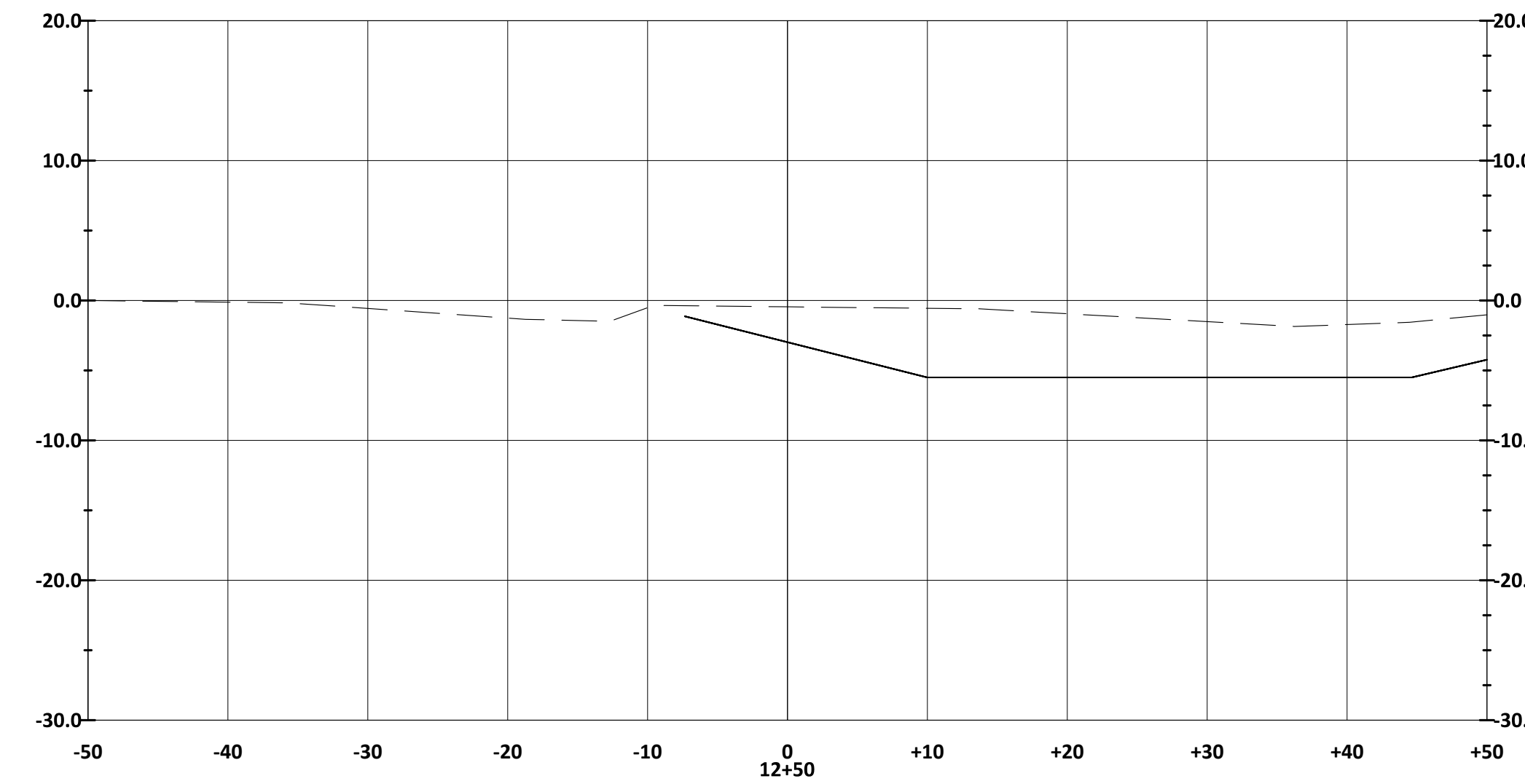
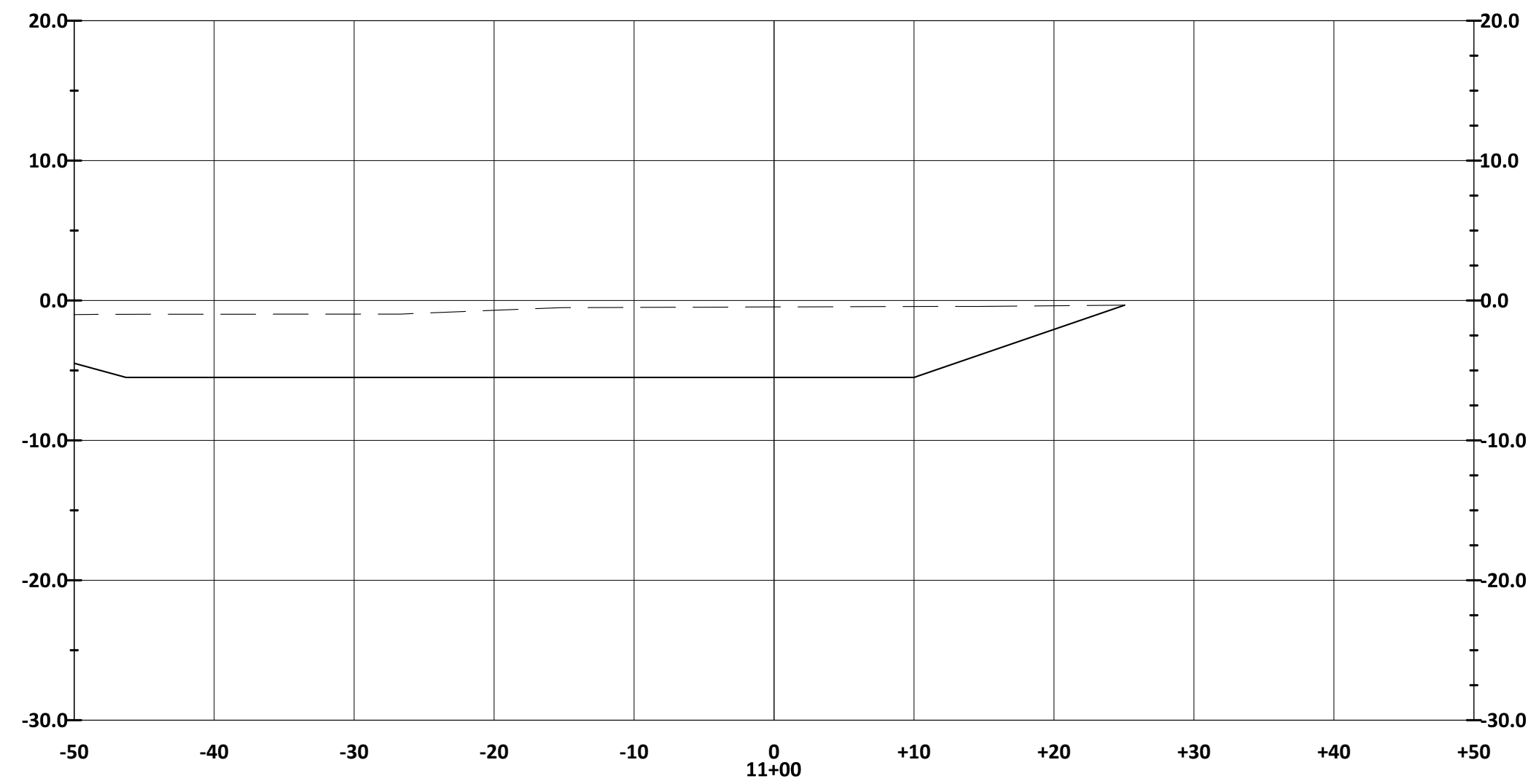


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COUNTY OF LEVY, FLORIDA
SHELL MOUND
BOAT RAMP IMPROVEMENTS

CROSS SECTIONS STA 7+00 TO STA 7+50

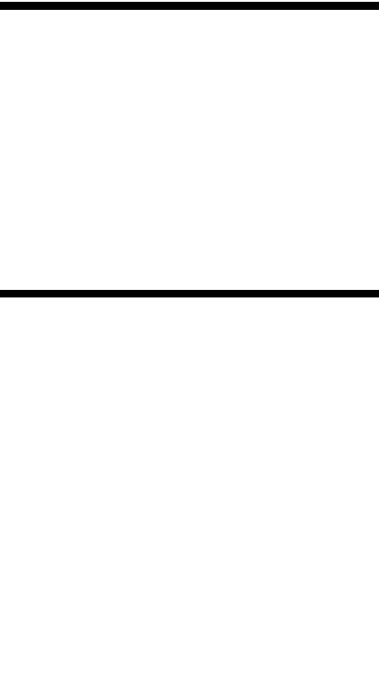
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C-6



CROSS SECTIONS
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 HORIZ: 1"=20'

NO	REVISIONS	APPD	DATE
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PROJECT NO: 20650
 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 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

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.

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.

	REVISIONS	APPD DATE			
NO	Δ	Δ	Δ	Δ	Δ
PROJECT NO: 20850 DESIGNED: M.HOFFMAN CAD COORD: D.METZ CAD: D.METZ CHECKED: DATE: APPROVED: DATE: SUBMISSION: 60% DESIGN					
 WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624					
COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS			STORMWATER POLLUTION PREVENTION NOTES I		
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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...
2. THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED HEREIN...
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR APPLYING FOR AND PAYING FOR THE PERMIT FEE...
4. TIMING OF CONTROLS/MEASURES, AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES...
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN.

EROSION AND SEDIMENT CONTROL - STABILIZATION PRACTICES

- 1. LOCATION OF STAKED SILT FENCE. STAKED SILT FENCE SHALL BE PLACED ALONG THE BOUNDARY OF FILL SLOPES...
2. LOCATION OF FLOATING TURBIDITY BARRIERS. FLOATING TURBIDITY BARRIERS SHALL BE PLACED DOWNSTREAM...
3. OFF-SITE VEHICLE TRACKING. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN...
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES...
5. DISTURBED, GRADED OR REGRADED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE...
6. STRAW BALE BARRIER. STRAW BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION...
7. FILTER FABRIC BARRIER. FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION...
8. BRUSH BARRIER WITH FILTER FABRIC. BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION...
9. LEVEL SPREADER. A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED...
10. STOCKPILING MATERIAL. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE...
11. EXPOSED AREA LIMITATION. THE SURFACE AREA OF OPEN, ERODIBLE SOIL EXPOSED BY CLEARING GRUBBING OPERATIONS...
12. TEMPORARY SEEDING. AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED...
13. TEMPORARY SEEDING AND MULCHING. SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 7...
14. TEMPORARY GRASSING. THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED...
15. TEMPORARY REGRASSING. IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER...
16. MAINTENANCE. ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED...
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.

- 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.

EROSION AND SEDIMENT CONTROL - WASTE AND MATERIAL CONTROLS

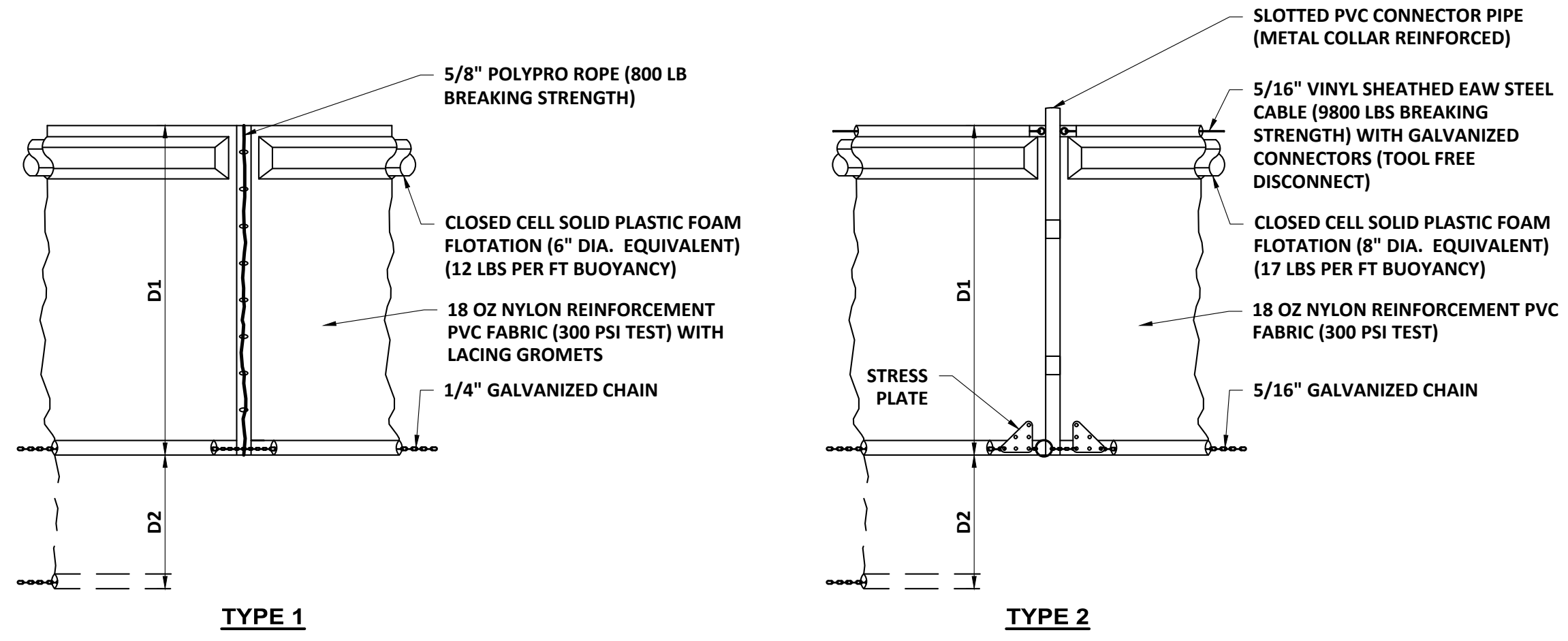
- 1. WASTE MATERIALS: ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER...
2. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION...
3. SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE...
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...
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...
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...
ii. THE CONTRACTOR SHALL MAINTAIN COPIES OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE ON THE PROJECT...
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...
ii. FERTILIZERS. FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER...
iii. PAINTS. ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE...
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.

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.
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.
6. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

Project information table with columns for NO, REVISIONS, APPD, DATE. Includes project details for Wright-Pierce, County of Levy, Florida, Shell Mound Boat Ramp Improvements. Includes contact information: 800.422.1095 | www.wright-pierce.com.

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TYPE 1

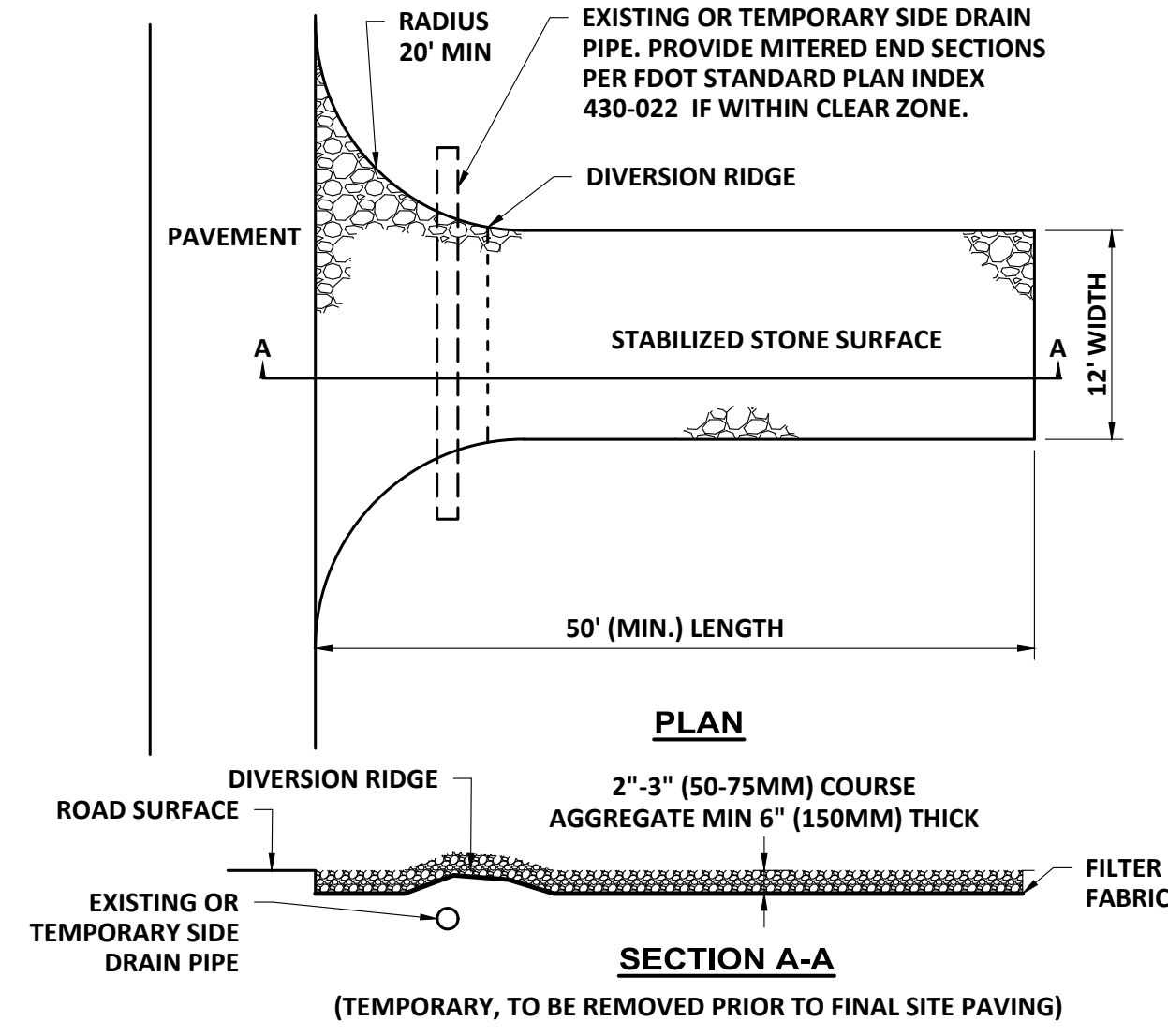
D1 = 5' STD (SINGLE PANEL FOR DEPTHS 5' OR LESS)

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



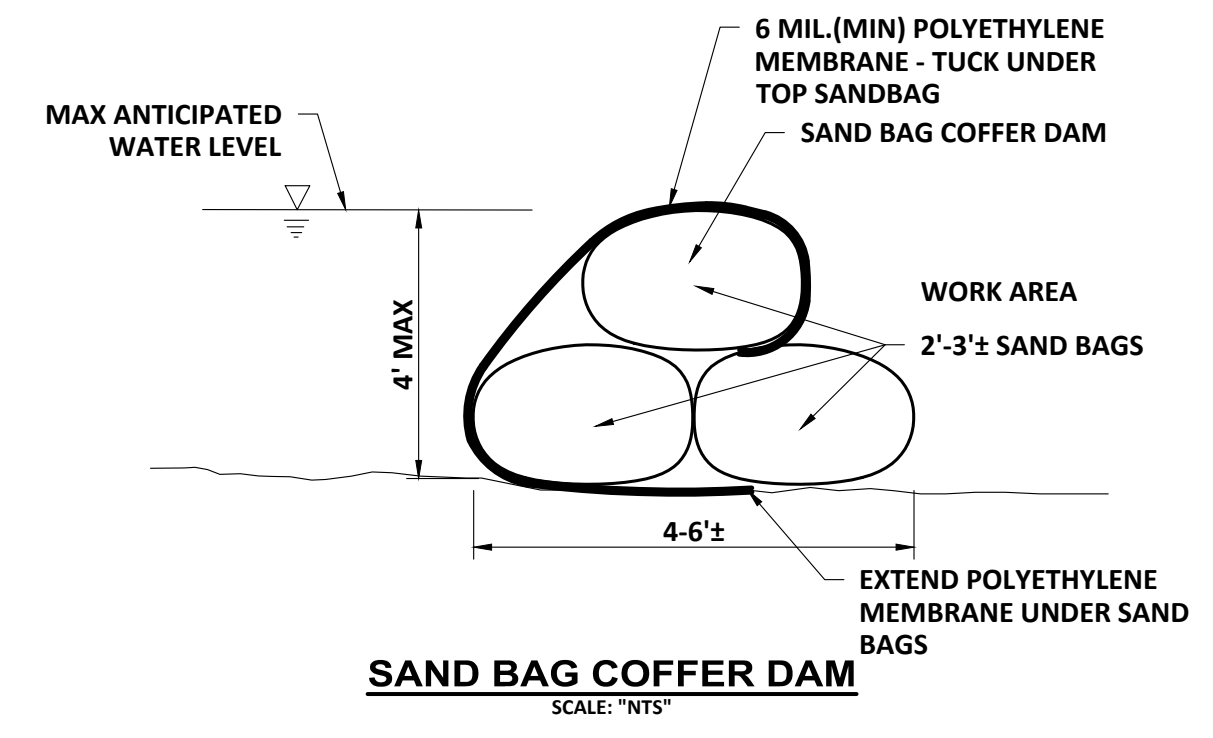
PLAN

SECTION A-A

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

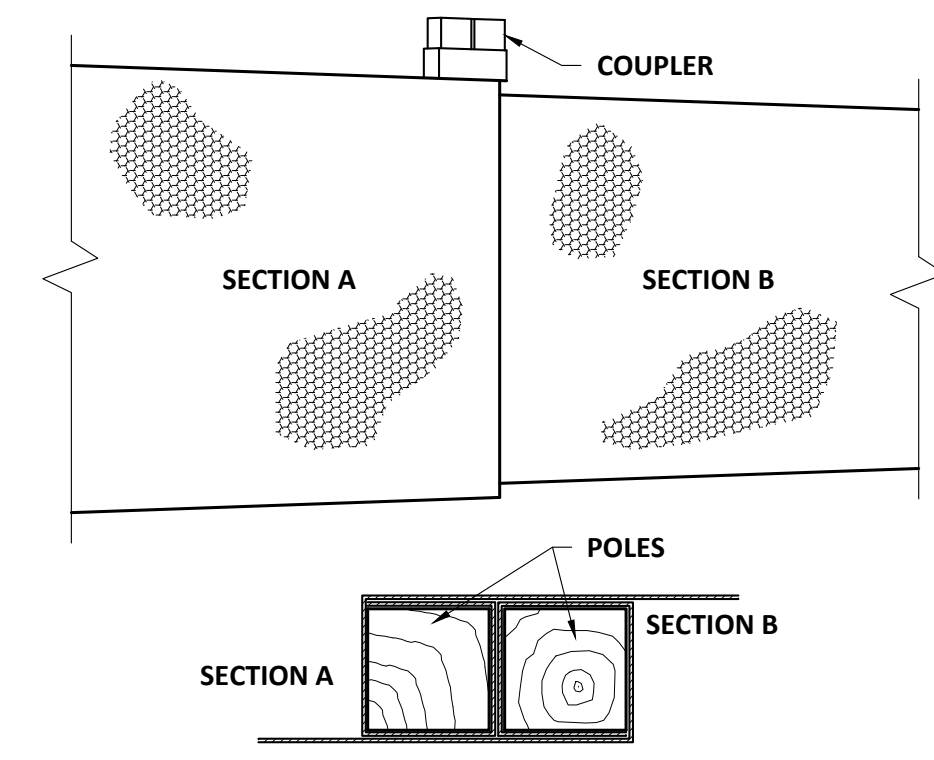
- NOTE:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWINGS OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC 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"

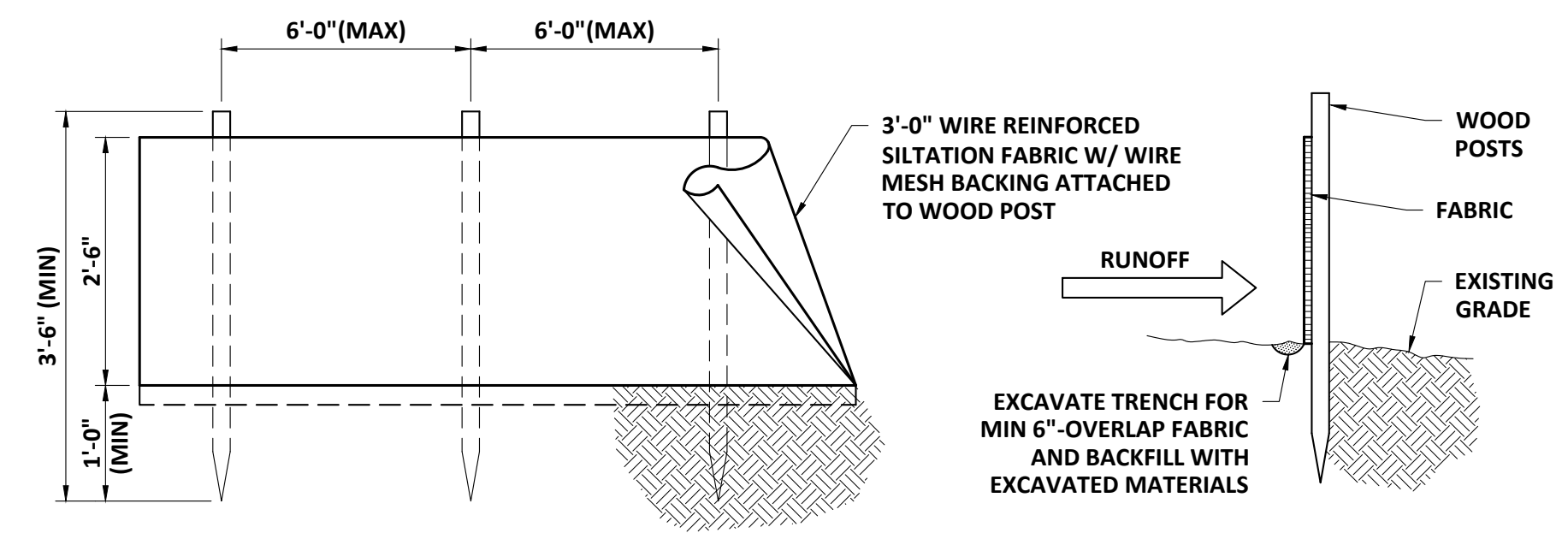


SAND BAG COFFER DAM

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
800.422.1095 | www.wright-pierce.com
3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624

COUNTY OF LEVY, FLORIDA
SHELL MOUND
BOAT RAMP IMPROVEMENTS
STORMWATER POLLUTION PREVENTION DETAILS

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Nationwide Permit 35 - Maintenance Dredging of Existing Basins

Effective Date: February 25, 2022; Expiration Date: March 14, 2026
(NWP Final Notice, 86 FR 73522)

Nationwide Permit 35 - Maintenance Dredging of Existing Basins. The removal of accumulated sediment for maintenance of existing marina basins, access channels to marinas or boat slips, and boat slips to previously authorized depths or controlling depths for ingress/egress, whichever is less. All dredged material must be deposited and retained in an area that has no waters of the United States unless otherwise specifically approved by the district engineer under separate authorization. Proper sediment controls must be used for the disposal site. (Authority: Section 10)

2021 Nationwide Permit General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. **Navigation.** (a) No activity may cause more than a minimal adverse effect on navigation.
- (b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.
- (c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his or her authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. **Aquatic Life Movements.** No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary

purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. **Spawning Areas**. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. **Migratory Bird Breeding Areas**. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. **Shellfish Beds**. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWP 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. **Suitable Material**. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. **Water Supply Intakes**. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. **Adverse Effects From Impoundments**. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. **Management of Water Flows**. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. **Fills Within 100-Year Floodplains**. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. **Equipment**. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. **Soil Erosion and Sediment Controls**. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. **Removal of Temporary Structures and Fills**. Temporary structures must be removed, to the maximum extent practicable, after their use has been discontinued. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. **Proper Maintenance**. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. **Single and Complete Project**. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. **Wild and Scenic Rivers**. (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. Permittees shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.

(c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: <http://www.rivers.gov/>.

17. **Tribal Rights**. No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

18. **Endangered Species**. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify designated critical habitat or critical habitat proposed for such designation. No activity is authorized under any NWP which “may affect” a listed species or critical habitat, unless ESA section 7 consultation addressing the consequences of the proposed activity on listed species or critical habitat has been completed. See 50 CFR 402.02 for the definition of “effects of the action” for the purposes of ESA section 7 consultation, as well as 50 CFR 402.17, which provides further explanation under ESA section 7 regarding “activities that are reasonably certain to occur” and “consequences caused by the proposed action.”

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA (see 33 CFR 330.4(f)(1)). If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat or critical habitat proposed for such designation, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), the pre-construction notification must include the name(s) of the endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or that utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. The district engineer will determine whether the proposed activity “may affect” or will have “no effect” to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps’ determination within 45 days of receipt of a complete pre-construction notification. For activities where the non-Federal applicant has identified listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification

that the proposed activity will have “no effect” on listed species (or species proposed for listing or designated critical habitat (or critical habitat proposed for such designation), or until ESA section 7 consultation or conference has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(d) As a result of formal or informal consultation or conference with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWP.

(e) Authorization of an activity by an NWP does not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where “take” means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word “harm” in the definition of “take” means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.

(g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at <http://www.fws.gov/> or <http://www.fws.gov/ipac> and <http://www.nmfs.noaa.gov/pr/species/esa/> respectively.

19. **Migratory Birds and Bald and Golden Eagles**. The permittee is responsible for ensuring that an action authorized by an NWP complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine

what measures, if any, are necessary or appropriate to reduce adverse effects to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. **Historic Properties.** (a) No activity is authorized under any NWP which may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)(1)). If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts commensurate with potential impacts, which may include background research, consultation, oral history interviews, sample field investigation, and/or field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect

determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect.

(d) Where the non-Federal applicant has identified historic properties on which the proposed NWP activity might have the potential to cause effects and has so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed. For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. **Discovery of Previously Unknown Remains and Artifacts.** Permittees that discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by an NWP, they must immediately notify the district engineer of what they have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. **Designated Critical Resource Waters.** Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters

or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWP 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, 52, 57 and 58 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed by permittees in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after she or he determines that the impacts to the critical resource waters will be no more than minimal.

23. **Mitigation.** The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects.

(d) Compensatory mitigation at a minimum one-for-one ratio will be required for all losses of stream bed that exceed 3/100-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. This compensatory mitigation requirement may be satisfied through the restoration or enhancement of riparian areas next to streams in accordance with paragraph (e) of this general condition. For losses of stream bed of 3/100-acre or less that require pre-construction notification, the district engineer may

determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects. Compensatory mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)).

(e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. If restoring riparian areas involves planting vegetation, only native species should be planted. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation.

(2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f).)

(3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation.

(4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). If permittee-responsible mitigation is the proposed option, and the proposed compensatory mitigation site is located on land in which another federal agency holds an easement, the district engineer will coordinate with that federal agency to determine if proposed compensatory mitigation project is compatible with the terms of the easement.

(5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan needs to address only the baseline conditions at the impact site and the number of credits to be provided (see 33 CFR 332.4(c)(1)(ii)).

(6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements) may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs.

(h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.

(i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. **Safety of Impoundment Structures.** To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state or federal, dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. **Water Quality.** (a) Where the certifying authority (state, authorized tribe, or EPA, as appropriate) has not previously certified compliance of an NWP with CWA section 401, a CWA section 401 water quality certification for the proposed discharge must be obtained or waived (see 33 CFR 330.4(c)). If the permittee cannot comply with all of the conditions of a water quality certification previously issued by certifying authority for the issuance of the NWP, then the permittee must obtain a water quality certification or waiver for the proposed discharge in order for the activity to be authorized by an NWP.

(b) If the NWP activity requires pre-construction notification and the certifying authority has not previously certified compliance of an NWP with CWA section 401, the proposed discharge is not authorized by an NWP until water quality certification is obtained or waived. If the certifying authority issues a water quality certification for the proposed discharge, the permittee must submit a copy of the certification to the district engineer. The discharge is not authorized by an NWP until the district engineer has notified the permittee that the water quality certification requirement has been satisfied by the issuance of a water quality certification or a waiver.

(c) The district engineer or certifying authority may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. **Coastal Zone Management.** In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). If the permittee cannot comply with all of the conditions of a coastal zone management consistency concurrence previously issued by the state, then the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP. The district engineer or a state may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. **Regional and Case-By-Case Conditions.** The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its CWA section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. **Use of Multiple Nationwide Permits.** The use of more than one NWP for a single and complete project is authorized, subject to the following restrictions:

(a) If only one of the NWPs used to authorize the single and complete project has a specified acreage limit, the acreage loss of waters of the United States cannot exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.

(b) If one or more of the NWPs used to authorize the single and complete project has specified acreage limits, the acreage loss of waters of the United States authorized by those NWPs cannot exceed their respective specified acreage limits. For example, if a commercial development is constructed under NWP 39, and the single and complete project includes the filling of an upland ditch authorized by NWP 46, the maximum acreage loss of waters of the United States for the commercial development under NWP 39 cannot exceed 1/2-acre, and the total acreage loss of waters of United States due to the NWP 39 and 46 activities cannot exceed 1 acre.

29. **Transfer of Nationwide Permit Verifications.** If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

“When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.”

(Transferee)

(Date)

30. **Compliance Certification.** Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

- (a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;
- (b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and
- (c) The signature of the permittee certifying the completion of the activity and mitigation.

The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. **Activities Affecting Structures or Works Built by the United States.** If an NWP activity also requires review by, or permission from, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission and/or review is not authorized by an NWP until the appropriate Corps office issues the section 408 permission or completes its review to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. **Pre-Construction Notification.** (a) *Timing.* Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all

of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) *Contents of Pre-Construction Notification:* The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

(4) (i) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and

any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures.

(ii) For linear projects where one or more single and complete crossings require pre-construction notification, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters (including those single and complete crossings authorized by an NWP but do not require PCNs). This information will be used by the district engineer to evaluate the cumulative adverse environmental effects of the proposed linear project, and does not change those non-PCN NWP activities into NWP PCNs.

(iii) Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial and intermittent streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45-day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-federal permittees, if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat (or critical habitat proposed for such designation), the PCN must include the name(s) of those endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees

must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system while the river is in an official study status, the PCN must identify the Wild and Scenic River or the “study river” (see general condition 16); and

(10) For an NWP activity that requires permission from, or review by, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from, or review by, the Corps office having jurisdiction over that USACE project.

(c) *Form of Pre-Construction Notification:* The nationwide permit pre-construction notification form (Form ENG 6082) should be used for NWP PCNs. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals.

(d) *Agency Coordination:* (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity’s compliance with the terms and conditions of the NWPs and the need for mitigation to reduce the activity’s adverse environmental effects so that they are no more than minimal.

(2) Agency coordination is required for: (i) all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iii) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes.

(3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state

natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWPs, including the need for mitigation to ensure that the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

(5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

2021 District Engineer's Decision

1. In reviewing the PCN for the proposed activity, the district engineer will determine whether the activity authorized by the NWP will result in more than minimal individual or cumulative adverse environmental effects or may be contrary to the public interest. If a project proponent requests authorization by a specific NWP, the district engineer should issue the NWP verification for that activity if it meets the terms and conditions of that NWP, unless he or she determines, after considering mitigation, that the proposed activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment and other aspects of the public interest and exercises discretionary authority to require an individual permit for the proposed activity. For a linear project, this determination will include an evaluation of the single and complete crossings of waters of the United States that require PCNs to determine whether they individually satisfy the terms and conditions of the NWP(s), as well as the cumulative effects caused by all of the crossings of waters of the United States authorized by an NWP. If an applicant requests a waiver of an applicable limit, as provided for in NWPs 13, 36, or 54, the district engineer will only grant the waiver upon a written determination that the

NWP activity will result in only minimal individual and cumulative adverse environmental effects.

2. When making minimal adverse environmental effects determinations the district engineer will consider the direct and indirect effects caused by the NWP activity. He or she will also consider the cumulative adverse environmental effects caused by activities authorized by an NWP and whether those cumulative adverse environmental effects are no more than minimal. The district engineer will also consider site specific factors, such as the environmental setting in the vicinity of the NWP activity, the type of resource that will be affected by the NWP activity, the functions provided by the aquatic resources that will be affected by the NWP activity, the degree or magnitude to which the aquatic resources perform those functions, the extent that aquatic resource functions will be lost as a result of the NWP activity (e.g., partial or complete loss), the duration of the adverse effects (temporary or permanent), the importance of the aquatic resource functions to the region (e.g., watershed or ecoregion), and mitigation required by the district engineer. If an appropriate functional or condition assessment method is available and practicable to use, that assessment method may be used by the district engineer to assist in the minimal adverse environmental effects determination. The district engineer may add case-specific special conditions to the NWP authorization to address site-specific environmental concerns.

3. If the proposed activity requires a PCN and will result in a loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for NWP activities with smaller impacts, or for impacts to other types of waters. The district engineer will consider any proposed compensatory mitigation or other mitigation measures the applicant has included in the proposal in determining whether the net adverse environmental effects of the proposed activity are no more than minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse environmental effects are no more than minimal, after considering mitigation, the district engineer will notify the permittee and include any activity-specific conditions in the NWP verification the district engineer deems necessary. Conditions for compensatory mitigation requirements must comply with the appropriate provisions at 33 CFR 332.3(k). The district engineer must approve the final mitigation plan before the permittee commences work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the proposed compensatory mitigation plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure that the NWP activity results in no more than minimal adverse environmental effects. If the net adverse environmental effects of the NWP activity (after consideration of the mitigation proposal) are determined by the district engineer to be no more than minimal, the district engineer will provide a timely written response to the

applicant. The response will state that the NWP activity can proceed under the terms and conditions of the NWP, including any activity-specific conditions added to the NWP authorization by the district engineer.

4. If the district engineer determines that the adverse environmental effects of the proposed activity are more than minimal, then the district engineer will notify the applicant either: (a) that the activity does not qualify for authorization under the NWP and instruct the applicant on the procedures to seek authorization under an individual permit; (b) that the activity is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal; or (c) that the activity is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse environmental effects, the activity will be authorized within the 45-day PCN period (unless additional time is required to comply with general conditions 18, 20, and/or 31), with activity-specific conditions that state the mitigation requirements. The authorization will include the necessary conceptual or detailed mitigation plan or a requirement that the applicant submit a mitigation plan that would reduce the adverse environmental effects so that they are no more than minimal. When compensatory mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan or has determined that prior approval of a final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation.

2021 Further Information

1. District engineers have authority to determine if an activity complies with the terms and conditions of an NWP.
2. NWPs do not obviate the need to obtain other federal, state, or local permits, approvals, or authorizations required by law.
3. NWPs do not grant any property rights or exclusive privileges.
4. NWPs do not authorize any injury to the property or rights of others.
5. NWPs do not authorize interference with any existing or proposed Federal project (see general condition 31).

2021 Nationwide Permit Definitions

Best management practices (BMPs): Policies, practices, procedures, or structures implemented to mitigate the adverse environmental effects on surface water quality resulting from development. BMPs are categorized as structural or non-structural.

Compensatory mitigation: The restoration (re-establishment or rehabilitation), establishment (creation), enhancement, and/or in certain circumstances preservation of aquatic resources for the purposes of offsetting unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

Currently serviceable: Useable as is or with some maintenance, but not so degraded as to essentially require reconstruction.

Direct effects: Effects that are caused by the activity and occur at the same time and place.

Discharge: The term “discharge” means any discharge of dredged or fill material into waters of the United States.

Ecological reference: A model used to plan and design an aquatic habitat and riparian area restoration, enhancement, or establishment activity under NWP 27. An ecological reference may be based on the structure, functions, and dynamics of an aquatic habitat type or a riparian area type that currently exists in the region where the proposed NWP 27 activity is located. Alternatively, an ecological reference may be based on a conceptual model for the aquatic habitat type or riparian area type to be restored, enhanced, or established as a result of the proposed NWP 27 activity. An ecological reference takes into account the range of variation of the aquatic habitat type or riparian area type in the region.

Enhancement: The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten, intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

Establishment (creation): The manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist at an upland site. Establishment results in a gain in aquatic resource area.

High Tide Line: The line of intersection of the land with the water’s surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.

Historic Property: Any prehistoric or historic district, site (including archaeological site), building, structure, or other object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization and that meet the National Register criteria (36 CFR part 60).

Independent utility: A test to determine what constitutes a single and complete non-linear project in the Corps Regulatory Program. A project is considered to have independent utility if it would be constructed absent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as separate single and complete projects with independent utility.

Indirect effects: Effects that are caused by the activity and are later in time or farther removed in distance, but are still reasonably foreseeable.

Loss of waters of the United States: Waters of the United States that are permanently adversely affected by filling, flooding, excavation, or drainage because of the regulated activity. The loss of stream bed includes the acres of stream bed that are permanently adversely affected by filling or excavation because of the regulated activity. Permanent adverse effects include permanent discharges of dredged or fill material that change an aquatic area to dry land, increase the bottom elevation of a waterbody, or change the use of a waterbody. The acreage of loss of waters of the United States is a threshold measurement of the impact to jurisdictional waters or wetlands for determining whether a project may qualify for an NWP; it is not a net threshold that is calculated after considering compensatory mitigation that may be used to offset losses of aquatic functions and services. Waters of the United States temporarily filled, flooded, excavated, or drained, but restored to pre-construction contours and elevations after construction, are not included in the measurement of loss of waters of the United States. Impacts resulting from activities that do not require Department of the Army authorization, such as activities eligible for exemptions under section 404(f) of the Clean Water Act, are not considered when calculating the loss of waters of the United States.

Navigable waters: Waters subject to section 10 of the Rivers and Harbors Act of 1899. These waters are defined at 33 CFR part 329.

Non-tidal wetland: A non-tidal wetland is a wetland that is not subject to the ebb and flow of tidal waters. Non-tidal wetlands contiguous to tidal waters are located landward of the high tide line (i.e., spring high tide line).

Open water: For purposes of the NWPs, an open water is any area that in a year with normal patterns of precipitation has water flowing or standing above ground to the extent that an ordinary high water mark can be determined. Aquatic vegetation within

the area of flowing or standing water is either non-emergent, sparse, or absent. Vegetated shallows are considered to be open waters. Examples of “open waters” include rivers, streams, lakes, and ponds.

Ordinary High Water Mark: The term ordinary high water mark means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.

Perennial stream: A perennial stream has surface water flowing continuously year-round during a typical year.

Practicable: Available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.

Pre-construction notification: A request submitted by the project proponent to the Corps for confirmation that a particular activity is authorized by nationwide permit. The request may be a permit application, letter, or similar document that includes information about the proposed work and its anticipated environmental effects. Pre-construction notification may be required by the terms and conditions of a nationwide permit, or by regional conditions. A pre-construction notification may be voluntarily submitted in cases where pre-construction notification is not required and the project proponent wants confirmation that the activity is authorized by nationwide permit.

Preservation: The removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: re-establishment and rehabilitation.

Riffle and pool complex: Riffle and pool complexes are special aquatic sites under the 404(b)(1) Guidelines. Riffle and pool complexes sometimes characterize steep gradient sections of streams. Such stream sections are recognizable by their hydraulic characteristics. The rapid movement of water over a coarse substrate in riffles results in a rough flow, a turbulent surface, and high dissolved oxygen levels in the water. Pools are deeper areas associated with riffles. A slower stream velocity, a streaming flow, a smooth surface, and a finer substrate characterize pools.

Riparian areas: Riparian areas are lands next to streams, lakes, and estuarine-marine shorelines. Riparian areas are transitional between terrestrial and aquatic ecosystems, through which surface and subsurface hydrology connects riverine, lacustrine, estuarine, and marine waters with their adjacent wetlands, non-wetland waters, or uplands. Riparian areas provide a variety of ecological functions and services and help improve or maintain local water quality. (See general condition 23.)

Shellfish seeding: The placement of shellfish seed and/or suitable substrate to increase shellfish production. Shellfish seed consists of immature individual shellfish or individual shellfish attached to shells or shell fragments (i.e., spat on shell). Suitable substrate may consist of shellfish shells, shell fragments, or other appropriate materials placed into waters for shellfish habitat.

Single and complete linear project: A linear project is a project constructed for the purpose of getting people, goods, or services from a point of origin to a terminal point, which often involves multiple crossings of one or more waterbodies at separate and distant locations. The term “single and complete project” is defined as that portion of the total linear project proposed or accomplished by one owner/developer or partnership or other association of owners/developers that includes all crossings of a single water of the United States (i.e., a single waterbody) at a specific location. For linear projects crossing a single or multiple waterbodies several times at separate and distant locations, each crossing is considered a single and complete project for purposes of NWP authorization. However, individual channels in a braided stream or river, or individual arms of a large, irregularly shaped wetland or lake, etc., are not separate waterbodies, and crossings of such features cannot be considered separately.

Single and complete non-linear project: For non-linear projects, the term “single and complete project” is defined at 33 CFR 330.2(i) as the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers. A single and complete non-linear project must have independent utility (see definition of “independent utility”). Single and complete non-linear projects may not be “piecemealed” to avoid the limits in an NWP authorization.

Stormwater management: Stormwater management is the mechanism for controlling stormwater runoff for the purposes of reducing downstream erosion, water quality degradation, and flooding and mitigating the adverse effects of changes in land use on the aquatic environment.

Stormwater management facilities: Stormwater management facilities are those facilities, including but not limited to, stormwater retention and detention ponds and best management practices, which retain water for a period of time to control runoff and/or improve the quality (i.e., by reducing the concentration of nutrients, sediments, hazardous substances and other pollutants) of stormwater runoff.

Stream bed: The substrate of the stream channel between the ordinary high water marks. The substrate may be bedrock or inorganic particles that range in size from clay to boulders. Wetlands contiguous to the stream bed, but outside of the ordinary high water marks, are not considered part of the stream bed.

Stream channelization: The manipulation of a stream's course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized jurisdictional stream remains a water of the United States.

Structure: An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel, piling, aid to navigation, or any other manmade obstacle or obstruction.

Tidal wetland: A tidal wetland is a jurisdictional wetland that is inundated by tidal waters. Tidal waters rise and fall in a predictable and measurable rhythm or cycle due to the gravitational pulls of the moon and sun. Tidal waters end where the rise and fall of the water surface can no longer be practically measured in a predictable rhythm due to masking by other waters, wind, or other effects. Tidal wetlands are located channelward of the high tide line.

Tribal lands: Any lands title to which is either: 1) held in trust by the United States for the benefit of any Indian tribe or individual; or 2) held by any Indian tribe or individual subject to restrictions by the United States against alienation.

Tribal rights: Those rights legally accruing to a tribe or tribes by virtue of inherent sovereign authority, unextinguished aboriginal title, treaty, statute, judicial decisions, executive order or agreement, and that give rise to legally enforceable remedies.

Vegetated shallows: Vegetated shallows are special aquatic sites under the 404(b)(1) Guidelines. They are areas that are permanently inundated and under normal circumstances have rooted aquatic vegetation, such as seagrasses in marine and estuarine systems and a variety of vascular rooted plants in freshwater systems.

Waterbody: For purposes of the NWP, a waterbody is a "water of the United States." If a wetland is adjacent to a waterbody determined to be a water of the United States, that waterbody and any adjacent wetlands are considered together as a single aquatic unit (see 33 CFR 328.4(c)(2)).

ADDITIONAL INFORMATION

Information about the U.S. Army Corps of Engineers Regulatory Program, including nationwide permits, may also be accessed at
<http://www.swt.usace.army.mil/Missions/Regulatory.aspx> or
<http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits.aspx>



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207-8175

**FINAL REGIONAL CONDITIONS FOR THE 2021 NATIONWIDE PERMITS
IN JACKSONVILLE DISTRICT (SAJ)**

Effective Date for Regional Conditions for 16 NWP: March 15, 2021
Effective Date for Modified Regional Conditions for 16 NWP: February 25, 2022
Effective Date for Regional Conditions for 41 NWP: February 25, 2022
Expiration Date for Regional Conditions for All NWP: March 14, 2026

This Regional Condition document supersedes all prior Regional Condition documents for the Jacksonville District.

A. BACKGROUND/APPLICABILITY.

1. The following regional conditions have been approved by the Division Engineer for the South Atlantic Division (SAD) for use in the Jacksonville District (SAJ) for the following Nationwide Permits (NWP):

a. The NWP published in the January 13, 2021 Federal Register (86 FR 2744) announcing the reissuance of twelve (12) existing NWP (that is, NWP 12, 21, 29, 39, 40, 42, 43, 44, 48, 50, 51, and 52) and issuance of four (4) new NWP (that is, NWP 55, 56, 57, and 58), as well as the reissuance of NWP general conditions and definitions with some modifications. These 16 NWP were effective on March 15, 2021 and will expire on March 14, 2026; and

b. The NWP published in the December 27, 2021 Federal Register (86 FR 73522) announcing the reissuance of the remaining unmodified forty (40) existing NWP (that is, NWP 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 41, 45, 46, 49, 53, and 54) and issuance of one (1) new NWP (that is, NWP 59). At this time, NWP 26 and 47 are reserved. These 41 NWP will be effective as of February 25, 2022 and will expire on March 14, 2026.

2. Status of Activities Under Prior NWP and/or Regional Conditions.

a. 16 NWP: The regional conditions that were effective on March 15, 2021 have been modified and are incorporated in this document. (There are three changes to the previous regional conditions. First, Regional Condition 45 (Tribal Rights and Authorities) has been added. Second, Regional Condition 2.b. has been modified to specify that the description of a project location shall include the latitude and longitude. Third, Regional Condition 36 has been modified by adding a superscript that refers to new text at F.3., which clarifies NWP 43's pre-construction notification requirements.) These modified regional conditions must

2021 NWP REGIONAL CONDITIONS FOR JACKSONVILLE DISTRICT (SAJ)

be applied on and after February 25, 2022, for the 16 NWPs **except** for the following scenarios:

- (i) NWP verification letters for one or more of the 16 NWPs that were issued **prior** to February 25, 2022; or
 - (ii) NWP activities that did not require a pre-construction notification (PCN), are covered by one or more of the 16 NWPs, and have either commenced, are under contract to commence, or have been completed **prior** to February 25, 2022.
- b. 40 NWPs: For information about whether an activity can continue under the 2017 versions of the 40 existing NWPs (for example, the status of prior permit verifications and pre-construction notifications) and, accordingly, the 2017 Regional Conditions, see the discussion in the Reissuance and Modification of Nationwide Permits at 86 FR 73522 in Section I.D. on page 73525 or contact the Jacksonville District Regulatory Office directly.
3. The following regional conditions will provide additional protection for the aquatic environment that is necessary to ensure that the NWPs authorize only those activities with no more than minimal adverse environmental effects.
4. As specified under NWP General Condition 27, Regional and Case-By-Case Conditions: The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 C.F.R. 330.4(e)) and with any case-specific conditions added by the Corps, or by Florida, Puerto Rico, U.S. Virgin Islands, Miccosukee Tribe of Indians of Florida or Seminole Tribe of Florida in their Section 401 Water Quality Certification, and by Florida, Puerto Rico or the U.S. Virgin Islands in their concurrence with the Corps' Coastal Zone Management Act consistency determination.
5. Superscripts refer to the corresponding number in Section F, Definitions and Acronyms.
6. The acronym "PCN" used throughout this document refers to Pre-Construction Notification as further defined in NWP General Condition 32.
- a. In Florida, the *Nationwide Permit Pre-Construction Notification (PCN)* form (ENG Form 6082) should be used for NWP PCNs.
 - b. PCN for activities in the Antilles⁴ shall be made through the Joint Permit Process using the most recent and valid *Application for Department of the Army Permit* (ENG Form 4345), and the form must indicate it is an NWP Pre-Construction Notification (PCN). The application must also contain the information described in General Condition 32. If the joint process changes before the expiration of these Regional Conditions, then follow the instructions in the announcement for such change.

B. EXCLUDED WATERS AND/OR AREAS.

1. NWPs cannot be used in an exclusion area designated by Regional Condition 4.

2. Designated Critical Resource Waters.

a. Synopsis of NWP General Condition 22. Critical resource waters include NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may identify additional critical resource waters after notice and opportunity for public comment. Discharges of dredged or fill material into waters of the United States are not authorized by NWPs 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 50, 51, 52, 57 and 58 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters. For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, a PCN is required for any activity proposed by permittees in the designated critical resource waters, including wetlands adjacent to those waters.

b. In accordance with General Condition 22, designated critical resource waters in Florida are:

- (i) Wetlands and other surface waters in National Estuarine Research Reserves, NOAA-managed National Marine Sanctuaries and marine monuments, Biscayne National Park and Everglades National Park;
- (ii) State natural heritage sites, and the Marjorie Harris Carr Cross Florida Greenway State Recreation and Conservation Area; and
- (iii) Wetlands and other surface waters in active designated State of Florida Areas of Critical State Concern, including the Green Swamp Area, the Big Cypress Area, and the Apalachicola Bay Area. See, for example, Fla. Stat. §§ 380.055, 380.0551 and 380.0555.

C. REGIONAL CONDITIONS APPLICABLE TO ALL NWPs.

1. Endangered Species. In accordance with General Condition 18, a PCN must be submitted if any listed species or designated critical habitat might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat. The following information is provided to assist prospective Permittees to fulfill their obligations under General Condition 18.

a. NMFS Species. There are numerous listed species throughout the estuarine and marine waters in Florida, Puerto Rico, and the U.S. Virgin Islands. Therefore, there is a high potential that one or more of these species or designated critical habitat will be in the vicinity of or affected by the activity. For species for which the NMFS has jurisdiction, web pages for each of the species describing their range, how they can be affected, and other information can be accessed at https://www.fisheries.noaa.gov/species-directory/threatened-endangered?title=&species_category=any&species_status=any®ions=1000001121&items_per_page=25&sort=. That information can be used, along with project and site-specific information, to determine whether a PCN is required by General Condition 18. NMFS species include, but are not limited to, the following:

sea turtles, smalltooth sawfish, Gulf sturgeon, shortnose sturgeon, and certain corals.

b. USFWS Species. The West Indian manatee, for which the USFWS has jurisdiction, is found in most estuarine and marine waters (as well as some inland freshwaters) in Florida, Puerto Rico and the U.S. Virgin Islands. The USFWS Information for Planning and Consultation (IPaC) web page (<https://ecos.fws.gov/ipac/>) should be used to identify the potential for the presence of and effect on listed species under the jurisdiction of the USFWS. Other tools for effect determination on federally listed species and designated critical habitat are available on ECOS at ecos.fws.gov. For Puerto Rico and the U.S. Virgin Islands, prospective Permittees are encouraged to review the local office's website at <https://www.fws.gov/southeast/caribbean/> for any changes in species lists, status, additions or latest conservation measures that have not yet been incorporated into IPaC. The information from these various sources can be used, along with project and site-specific information, to determine whether a PCN is required by General Condition 18.

2. Historic Properties.

a. Florida. In addition to General Condition 20 (Historic Properties), in Florida, if a PCN is not required (or not voluntarily submitted), the prospective Permittee shall contact the Florida Master Site File (FMSF) to conduct an historic properties search. The prospective Permittee shall provide the FMSF with the project area and Section/Township/Range information by email to sitefile@dos.myflorida.com or contact the FMSF office at (850) 245-6440. If the FMSF identifies any historic property within 50 meters of the project area that is listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, the prospective Permittee shall submit a PCN to the Corps, including the information exchanged with the FMSF office, for further review and consultation. Submittal of a PCN is not required when the FMSF report for the property (or all properties if more than one) shows the Florida Department of State, Division of Historical Resources Compliance and Review Section (SHPO) Evaluation ('SHPO Eval' column) to be "Not Eligible" and also shows the property(ies) is/are not listed or proposed for listing on the National Register of Historic Places ('NR Status' column). However, in accordance with General Condition 20, a PCN is required if the prospective Permittee has knowledge of a historic property that is listed on, determined to be eligible for listing on, or potentially eligible for listing on the NRHP, including previously unidentified properties.

b. Seminole Tribe of Florida. In addition to General Condition 20 (Historic Properties), in Florida, for applications that do not require a PCN, the prospective Permittee shall contact the Seminole Tribe's Historic Preservation Compliance Office (THPO) to conduct an historic and cultural resources properties search. The prospective Permittee shall provide the THPO with the project area, to include the latitude and longitude of the project and Section/Township/Range information, to THPOCompliance@semtribe.com (include the uppercase letters

of the email address). If the THPO's search identifies any historic property or cultural resource within 50 meters of the project area that is listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, the prospective Permittee shall submit a PCN to the Corps, including the information exchanged with the THPO, for further review. Submittal of a PCN is not required when the THPO report for the property(ies) shows "Not Eligible" or "None" and also shows the property(ies) is/are not listed or proposed for listing on the National Register of Historic Places ("NR Status" column). However, in accordance with General Condition 20, a PCN is required if the prospective Permittee has knowledge of a historic property that is listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties.

3. Florida Prehistoric or Historic Artifacts. In addition to General Condition 21 (Discovery of Previously Unknown Remains and Artifacts), in Florida, if prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the Permittee shall cease all activities involving subsurface or ground disturbance within a 100 meter diameter of the discovery. The Permittee shall contact the Corps immediately and not later than within the same business day (eight hours). The Corps will contact the SHPO at (850)-245-6333 and the appropriate THPO(s) to assess the significance of the discovery. The Corps shall also follow the *Agreement Between the Jacksonville District, U.S. Army Corps of Engineers, and the Seminole Tribe of Florida Regarding Proposed Actions that may Adversely Affect American Indian Burial Resources*. This agreement emphasizes that the resolution of effects to Native American burial resources will be accomplished whereby avoidance is the first priority and minimization or mitigation is only considered as a last resort. Appropriate actions for the resolution of the adverse effects will be determined following initiation of these steps and under consultation with the SHPO and THPO(s). In addition, in the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the Permittee shall notify the medical examiner, in accordance with Section 872.05, Florida Statutes ("Unmarked human burials"), as well as the Corps and SHPO. On federal or tribal lands, or situations where the Archaeological Resources Protection Act of 1979 or Native American Graves Protection and Repatriation Act of 1990 applies, the Permittee shall notify the Corps who will notify the SHPO and THPO(s). Once activities have ceased as a result of any of the situations identified in this Regional Condition, they shall not resume without written authorization from the Corps.

(Note: Regional Condition 45 applies to all NWPs. It is located for administrative reasons (that is, numbering consistency) at the end of Section D.)

D. REGIONAL CONDITIONS APPLICABLE TO SPECIFIC ACTIVITIES AND/OR SPECIFIC NWPs.

(Note: The numbering in this section starts at 4 because it is a continuation of conditions based on numbering in Section C above).

4. In the Antilles, Marine Reserves, Marine Protected Areas or Parks.

NWPs 1, 11 and 52. Excluded within the boundaries of Marine Reserves, Marine Protected Areas,⁸ and Parks in the Antilles,⁴ except when used within those areas by the local or federal agency responsible for the management of those areas.

5. Coral assemblages.⁵

- a. NWP 1. In the Jacksonville District placement of aids to navigation cannot cause adverse impacts to coral assemblages.⁵

- b. NWPs 7, 10, 11, 19, 22 and 28 in Antilles. Activities cannot cause adverse impacts to coral assemblages.⁵

- c. <reserved>.

- d. <reserved>.

- e. NWPs 4, 6, 9 and 23. PCN is required if within coral assemblages in depths less than 250 feet.

- f. NWPs 7, 14, 15, 16, 18, 52 and 54 in the Antilles. PCN is required for any activity within coral assemblages.⁵

- g. NWPs 3, 10, 28, 35, 48, 55 and 56. PCN is required for any activity within coral assemblages.⁵

- h. <reserved>.

6. PCN is required for several NWPs in the Antilles.

NWPs 2, 13, 19, 25, 36. PCN is required for all activities under these NWPs in the Antilles.⁴

7. Activities affecting structures or works built by the United States. In accordance with General Condition 31, a PCN is required when the proposed activity will alter or temporarily or permanently occupy or use a Corps federally authorized Civil Works project.

- a. Synopsis of General Condition 31. A PCN is required when the proposed “activity also requires review by, or permission from, the Corps pursuant to 33 U.S.C. § 408 because it will alter or temporarily or permanently occupy or use a Corps federally authorized Civil Works project (a ‘USACE project’).”

- b. Additional Information on 33 U.S.C. § 408 requirements and procedures are at <https://www.usace.army.mil/Missions/Civil-Works/Section408/>. Descriptions of

activities that may require Corps review or permission under 33 U.S.C. § 408 are found in paragraph 9 of *Engineer Circular (EC) 1165-2-220*, which is available via that web page. Some examples are those: (1) within the right-of-way for a federal navigation project; (2) that do not meet the Setback Guidance for a federal navigation project; and (3) that cross (above or below) a USACE project levee, dike, dam or other water-retaining structure.

c. Corps project real estate. Any activity within Federal project lands, including within rights-of-way, may require the prospective Permittee to enter into a Consent to Easement or other real estate instrument with the Real Estate Division, U.S. Army Corps of Engineers, Jacksonville or Mobile District, as appropriate, prior to the commencement of any construction activity.

d. For NWP 3. For projects adjacent to a federal channel, if the previously authorized and serviceable structure was destroyed by an act of nature or other event, the project will be reviewed pursuant to the setback guidance in effect at the time of the PCN. It is possible that any authorized reconstruction will not be authorized to be rebuilt with the same dimensions or design as the original structure.

8. Florida Keys. PCN is required for all projects in the Florida Keys. Prospective Permittees must submit to the Jacksonville District a certification from NOAA Florida Keys National Marine Sanctuary (FKNMS), pursuant to 33 C.F.R. § 320.4(i), prior to verification by the Corps for any activities within the marine sanctuary.

9. Adjacent to Tribal lands.

a. NWPs 3, 18, 27, 40, 41 and 46. PCN is required when the property on which the proposed activity is occurring is adjacent to Tribal lands.

b. NWP 3, 18, 27, 40, 41 and 46. PCN is required for projects located in these waters. In vicinity of Brighton Reservation: Lake Istokpoga; Istokpoga Creek; Istokpoga Canal; Kissimmee River (C-38) from Istokpoga Creek to Lake Okeechobee. In vicinity of Big Cypress Reservation: Miami Canal from G373 south to S8. In vicinity of Hollywood Reservation: North New River Canal from West Hollywood Canal (C-42) east to South New River Canal (C-11); Dania Cutoff canal from South New River Canal (C-11) east to I-95. In vicinity of Fort Pierce Reservation: Ten Mile Creek from Okeechobee Road east to the I-95. In vicinity of Tampa Reservation: Palm River.

10. Culverts in the Antilles.

NWPs 3 and 14. For projects in the Antilles,⁴ if bottomless culverts or single-span bridges are not feasible, culvert construction must comply with the *Guidance for Repair, Replacement, and Clean-up of structures in Streams and Waterways of Puerto Rico and US Virgin Islands*, which was provided by the USFWS and is available at

<https://usace.contentdm.oclc.org/utills/getfile/collection/p16021coll7/id/19722>. If compliance is not practical for a particular location, the PCN must include the

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reason(s) it was not practicable and describe how the activity will maintain necessary life cycle movements of aquatic life indigenous to the water body.

11. Gabions, sediment removal and heavy equipment.

NWPs 3 and 13. Projects in the Antilles must meet specific design criteria to address gabions, removal of accumulated sediments around bridges, and use of heavy equipment.⁹

12. Projects that capture and store water.

NWPs 3, 18, 27, 40, 41 and 46. Projects that capture and store water, such as Dispersed Water Management Projects, are excluded from this NWP.

13. Live Rock culture.

NWPs 4 and 48. Placement of materials for live rock culture and the harvesting of live rock are not activities authorized by these NWPs.

14. Submerged aquatic vegetation.^{7,10}

a. NWPs 7, 14, 15, 16, 18, 19, 52 and 54 in the Antilles.⁴ PCN is required for any activity occurring within submerged aquatic vegetation.^{7,10}

b. NWPs 3, 10, 12, 22, 28, 35, 48, 55, 56, 57, and 58. PCN is required for any activity occurring within submerged aquatic vegetation.^{7,10}

15. Tidal wetlands.

NWPs 3, 10, 12, 22, 28, 35, 48, 55, 56, 57, and 58. PCN is required for any activity occurring within tidal wetlands.

16. Hardbottom benthic habitat.

NWPs 52 and 54 in the Antilles.⁴ PCN is required for any activity occurring within hardbottom benthic habitat.

17. Salt flats.

NWPs 7, 14, 15, 16, 18 and 19 in the Antilles. PCN is required in salt flats.

18. Forested wetlands.

a. NWPs 7, 14, 15, 16, 18, 19, 29, 39, 40, 42, 51 and 59 in the Antilles. PCN is required for any activity occurring within forested wetlands.

b. NWP 22. PCN is required in forested wetlands.

19. In the Florida Keys, any activity which will result in the discharge of greater than 0.25 acre of dredged or fill material.

NWPs 29, 39 and 59. For projects in the Florida Keys with discharges of dredged or fill material greater than 0.25 acre, the Corps will request comments from U.S. EPA Region 4.

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20. Hopper dredging.

NWPs 19 and 35. Hopper dredging is not allowed under this NWP.

21. In the Antilles, any activity which will result in the discharge of greater than 0.25 acre of dredged or fill material.

NWPs 40, 51 and 59. In the Antilles, for projects that propose the discharge of greater than 0.25 acre of dredged or fill material, the Corps will request comments from the USFWS.

22. Sediment and erosion control plan.

NWPs 41, 44, 45, 46 and 53. The PCN shall include a sediment and erosion control plan.

23. Wind Energy Guidelines.

NWPs 51 and 52. The Corps will consider the information in the USFWS *Land-Based Wind Energy Guidelines* (at https://www.fws.gov/ecological-services/es-library/pdfs/WEG_final.pdf) when reviewing a proposed project for compliance with General Condition 18 (Endangered Species).

24. NWP 2. In Florida, this NWP is limited to the installation and removal of individual, single family docks/piers/swim and observation platforms and/or mooring pilings, davits, and boat lifts at single-family residences.

25. NWP 2. All dock or pier construction over submerged aquatic vegetation,⁷ marsh and/or mangroves shall comply with the joint U.S. Army Corps of Engineers'/National Marine Fisheries Service's *Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat*, dated November 2017, available in the USACE Digital Library at <https://usace.contentdm.oclc.org/digital/collection/p16021coll11/id/1930/> or subsequent updates available at <https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>.

26. NWP 2. Structures constructed on canals or channels shall not exceed more than 25% of the canal/channel width, excluding dense areas of shoreline vegetation, such as mangrove, as measured from the project location to the opposite shoreline (in order to maintain no less than 50% of the open-water portion of the waterbody for public use).

27. NWP 3. PCN is required for any work located in the coastal zone of the Antilles,⁴ including the areas specified in F.1. and F.2. below for Puerto Rico¹ and U.S. Virgin Islands,² respectively. For Puerto Rico, the geographic area comprising its coastal zone is the area described in the Puerto Rico Coastal Zone Management Program.

28. NWP 3. PCN is required for all work within the La Parguera Natural Reserve and Culebra Island in Puerto Rico. Reconstruction of structures within the La Parguera Natural Reserve will not be allowed under this nationwide permit.

29. NWP 10. PCN is required for all activities in the Antilles.⁴
30. NWP 11. PCN is required for any structure proposed in or over submerged aquatic vegetation^{7,10} and/or mangroves.
31. NWP 58. For water intake projects in Puerto Rico, the prospective Permittee must submit a PCN to the District Engineer prior to commencing the activity, in accordance with General Condition 32. The PCN must contain plans and drawings, a description of all waters of the U.S. impacted by the project, the maximum amount of water to be withdrawn in millions of gallons a day (MGDs), and the minimum in-stream flows on any given day in MGDs after water extraction.
32. NWPs 12, 57 and 58. Where the proposed subaqueous utility or transmission line is to be installed in, under, or over navigable waters of the United States, as defined in 33 C.F.R. § 329.4, at least two weeks prior to the start of the authorized work, the Permittee must notify the National Oceanic Atmospheric Administration (NOAA) and the Corps office in writing that the work is commencing, and again upon completion of the work. For pre-construction and post-construction notifications, the Permittee shall notify the District Engineer at the above letterhead address, attention Regulatory Division, and NOAA, at Department of Commerce, NOAA, Nautical Data Branch, N/CS26, Station 7317, 1315 East-West Highway, Silver Spring, MD 20910-3282. The post-construction notification shall be submitted within 60 days of completion of construction and shall include “as-built plans,” signed and sealed by a registered surveyor/engineer licensed in the State of Florida, Puerto Rico, or U.S. Virgin Islands, as appropriate, that certify the project is constructed as authorized, and must include an accurate (within plus or minus one (1) foot) depiction of the location and configuration of the completed activity in relation to the mean high water of the navigable water.
33. NWP 18. In the Antilles⁴ PCN is required for all activities proposed in the areas defined in Section F below for Puerto Rico¹ and U.S. Virgin Islands.²
34. NWP 27. PCN is required for lake restoration projects proposing any type of in-lake disposal of dredged or fill material.
35. NWP 36. PCN is required in areas without existing access to navigation channels where the minimum water depth for ingress to or egress from the navigation channels is less than -3 feet at mean or ordinary low water.
36. NWP 43.³ PCN is required prior to the start of all work in wetlands adjacent to Deer Point Lake and its tributaries in Bay County, Florida.
37. NWP 51. In Puerto Rico, prospective Permittees are encouraged to consider the USFWS Caribbean Ecological Services Field Office document *Wildlife and Habitat Risk Map for Utility-Scale Land-Based Wind Energy Projects*. The current version is at https://www.fws.gov/caribbean/es/documents/PR_Habitat_Risk_for_Wind_Energy_Version_4_22_15.pdf.

38. NWP 52. In the Antilles,⁴ PCN must include a benthic survey,¹⁰ which includes documentation on observed habitat types.
39. NWP 54. For projects that affect aquatic resources.
- a. The completed project should result in a net gain in aquatic resource function;
 - b. The structure(s) shall be maintained as necessary in perpetuity in order to maintain the lift in function and value; and
 - c. In Florida, meet the applicable requirements established by the Florida Fish and Wildlife Conservation Commission if and as included in the State of Florida authorization.
40. NWP 54. Materials authorized for use under this NWP must consist mostly of natural material. Biodegradable breakwater stabilization materials, such as coir, may be used in place of plastic materials. However, in certain cases, plastic bags (Naltex) and plastic mats (UV stabilized) may be used. Concrete products (e.g., sprinkler weights) may be allowed to add to the "sufficient weight." Large-scale use of concrete as breakwater or substrate for oyster recruitment is prohibited. Certain metals (e.g., wire mesh) may be used for enclosing stone in gabions for breakwaters. Oyster mats should be used only in special cases (e.g., restoring dead margins of reefs, shoreward of and in association with bags in some cases, and held with cable ties and weights at all mat corners).
41. NWP 54. Sills may be constructed in a non-linear manner to mimic natural reefs.
42. NWP 54. Spacing or gaps between sill material shall be no greater than eight (8) inches to prevent entrapment of marine mammals or marine turtles.
43. NWP 54. Breaks in structures shall be placed at least every 75 feet and shall be five feet in width.
44. NWP 54. The PCN must include a benthic survey.¹⁰
45. Tribal Rights and Authorities. In accordance with General Condition 17, any activity authorized by any NWP cannot impact tribal rights. Furthermore, there may be requirements that are applicable to activities that are proposed to occur on Tribal lands. Permittees should consider the following information to facilitate their compliance with this General Condition and applicable requirements.
- a. General Condition 17 (*Tribal Rights*) states, "No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights." The term "tribal rights" is defined as "[t]hose rights legally accruing to a tribe or tribes by virtue of inherent sovereign authority, unextinguished aboriginal title, treaty, statute, judicial decisions, executive order or agreement, and that give rise to legally enforceable remedies." 86 FR at 2877 (definition of *Tribal rights* in section *F. Definitions* of the *Reissuance and Modification of Nationwide Permits*; Final Rule, 86 FR 2744 (January 13, 2021).

b. 33 C.F.R. § 330.4(b)(2) states, “NWPs do not obviate the need to obtain other Federal, state, or local permits, approvals, or authorizations required by law.” This principle applies equally to any other permits, approvals or authorizations required by law from the Miccosukee Tribe of Indians of Florida and Seminole Tribe of Florida.

E. SECTION 401 WATER QUALITY CERTIFICATION (WQC) AND/OR COASTAL ZONE MANAGEMENT ACT (CZMA) CONSISTENCY DETERMINATION SUMMARY AND APPLICABLE CONDITIONS.

1. State of Florida.

a. WQCs for NWPs 12, 29, 39, 40, 42, 43, 44, 48, 51, 55, 56, 57, and 58 were deemed invalid and were not accepted. The Corps has declined to rely on these WQCs. Therefore, in accordance with NWP General Condition 25, the prospective Permittee must obtain an individual WQC or a waiver for a proposed discharge into waters of the U.S. in order for activities to be authorized by these NWPs. To obtain state certification, prospective Permittees must follow applicable rules in 40 C.F.R. Part 121, *State Certification of Activities Requiring a Federal License or Permit*.

b. The Florida Department of Environmental Protection states:

WQC is granted for NWPs 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 41, 45, 46, 49, 53, 54 and 59 provided the federal agency requires the following condition with any federal license or permit.

CONDITION: To receive a grant or waiver of water quality certification pursuant 33 U.S.C. 1341, the project proponent must follow the applicable procedures in Rule 62-330.062, Florida Administrative Code.

Therefore, prior to undertaking any individual activity authorized by these NWPs that propose a discharge into waters of the U.S., prospective Permittees must successfully follow the procedures at 62-330.062, Florida Administrative Code, and have one of the following three scenarios apply: (a) an individual or conceptual approval permit is issued for the activity; (b) the activity meets all terms and conditions of a general permit (see 62-330.062(1)(b), Florida Administrative Code); or (c) state water quality certification is waived because the activity falls within one of the five scenarios set forth in 62-330.062(c), Florida Administrative Code.

c. WQC for NWP 8 is denied. Therefore, in accordance with NWP General Condition 25, the prospective Permittee must obtain an individual WQC or a waiver for activities authorized by this NWP that propose a discharge into waters of the U.S.

d. WQCs for NWPs 21, 50, and 52 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

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e. CZMA consistency concurrence was received for NWPs 1, 2, 5, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 25, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 51, 57 and 58 with the following condition included:

Activities qualifying for this NWP must receive applicable Coastal Zone Management Act (CZM) consistency concurrence (CZCC) or waiver/exemption from the appropriate delegated authority. In Florida, under 33 C.F.R. § 325.2(b)(2), the Corps may presume CZCC concurrence for the exempted activities by operation of s. 380.23(7), F.S., and the rules of the F.A.C. adopted thereunder.

Therefore, the prospective Permittee must comply with this condition in order for the activity to be authorized by NWP 1, 2, 5, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 25, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 51, 57 or 58.

f. For NWPs 3, 4, 6, 9, 10, 23, 27, 28, 48, 55 and 56, CZMA consistency concurrence was not received. Therefore, in accordance with NWP General Condition 26, “the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP.”

g. CZMA consistency concurrence was not received for NWPs 21, 49 and 50 since these activities (related to coal mining) are unlikely to occur in Florida. In accordance with NWP General Condition 26, “the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP.”

h. A CZMA consistency concurrence response has not been received for NWPs 24, 52, 53, 54, and 59. In accordance with NWP General Condition 26, “the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP.”

i. A CZMA consistency concurrence was denied for NWP 8. In accordance with NWP General Condition 26, “the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP.”

2. Miccosukee Tribe of Indians of Florida.

a. WQC for NWP 12 is granted with conditions but the conditions are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for an activity under NWP 12.

b. WQCs for NWPs 3, 4, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 48, 49, 50, 51, 52, 53, 55, 56, 57, 58 and 59 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

c. WQC for is granted with conditions for NWP 1. The condition is:

Aids to navigation may not be placed on Tribal lands or waters without prior written permission from the Miccosukee Tribe.

Therefore, Permittees performing activities under the authority of NWP 1 must comply with this condition.

d. WQC is granted with conditions for NWP 2. The condition is:

A structure may not be located on Tribal lands or in Tribal waters without prior written approval from the Miccosukee Tribe.

Therefore, Permittees performing activities under the authority of NWP 2 must comply with these conditions.

e. WQC is granted with conditions for NWP 5. The condition is:

Scientific measurement devices may not be located on Tribal lands or waters without prior written approval from the Miccosukee Tribe.

Therefore, Permittees performing activities under the authority of NWP 5 must comply with this condition.

f. WQC is granted with conditions for NWP 6. The condition is:

Seismic exploratory devices or exploratory activities may not be located on Tribal lands or waters without prior written approval of the Miccosukee Tribe. Additionally, the use of ground penetrating radar or isotope technology are not authorized on Tribal lands or waters without the prior written approval of the Miccosukee Tribe.

Therefore, Permittees performing activities under the authority of NWP 6 must comply with these conditions.

g. WQC is granted with conditions for NWP 46. The condition is:

No discharges are authorized on Tribal lands or into Tribal waters without the prior written approval of the Miccosukee Tribe.

Therefore, Permittees performing activities under the authority of NWP 46 must comply with this condition.

h. WQC is granted with conditions for NWP 54. The condition is:

Structures may not be located on Tribal lands or waters without prior written approval of the Miccosukee Tribe. Discharge material must be in accordance with the written approval of the Miccosukee Tribe.

Therefore, Permittees performing activities under the authority of NWP 54 must comply with these conditions.

3. Seminole Tribe of Florida.

a. WQCs for NWPs 4, 5, 6, 15, 16, 18, 19, 20, 22, 23, 25, 27, 30, 31, 32, 36, 37, 38, 40, 41, 42, 43, 44, 45, 48 and 53 are granted without conditions. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

b. WQC is granted with conditions for NWPs 3, 7, 13, 14, 17, 33, 46, and 59. The conditions are:

1. Applicants for this NWP shall utilize Best Management Practices, including but not limited to, proper installation of temporary erosion and sediment control measures (for example secured hay bales, silt and turbidity screens) to reduce turbidity and maintain transparency; and
2. Applicants for this NWP shall ensure that any fill placed in Tribal waters be clean fill that is free of solid waste, toxic, or hazardous contaminants.

Therefore, Permittees performing activities under the authority of these NWPs must comply with these conditions.

c. WQCs for NWPs 12, 29, 39, 51, 52, 57 and 58 have been granted with conditions but the conditions are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

d. WQCs for NWPs 21, 50, 55, and 56 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

e. WQCs for NWPs 34, 49 and 54 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

f. WQCs for NWPs 1, 2, 8, 9, 10, 11 and 24 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for their activity.

g. WQC is granted with conditions for NWP 28. The condition is:

Prior written approval from the Seminole Tribe is required before commencing an activity under this NWP.

Therefore, Permittees performing activities under the authority of NWP 28 must comply with this condition.

h. WQC is granted with conditions for NWP 35. The conditions are:

1. Maintenance dredging is authorized to a depth that is within ½ foot of the adjacent access or outlet channel bottom depth or the originally excavated depth, whichever is greater;

2. This permit does not authorize the removal of plugs or connections of any canal to navigable waters of the U.S.;
3. Documentation shall be provided showing the originally authorized depth or showing the current depth of the adjacent access or outlet channel bottom; and
4. Prior written approval from the Seminole Tribe is required before commencing an activity under this NWP.

Therefore, Permittees performing activities under the authority of NWP 35 must comply with these conditions.

4. Puerto Rico.

- a. WQCs for NWPs 12, 21, 29, 39, 40, 42, 43, 44, 48, 50, 51, 52, 55, 56, 57, and 58 are waived. Therefore, there is no requirement for a prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for the activity.
- b. NWPs 1, 2, 8, 9, 10, 11, 24, 28 and 35 do not require a WQC. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for the activity.
- c. WQCs for NWPs 4, 5, 6, 20, 27, 30, 32, 37 and 38 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for the activity.
- d. WQCs are granted with conditions for activities under NWPs 3, 7, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, 31, 33, 34, 36, 41, 45, 46, 49, 53, 54 and 59 **except for activities conducted in Outstanding National Resources Waters** as defined in Part 11.C of the Puerto Rico Department of Natural and Environmental Resources' (DNER's) *Anti-degradation Policy Implementation Procedure* (Attachment A of the *Puerto Rico Water Quality Standards Regulation* (PRWQSR)) (see paragraph 4.e. below). Prospective permittees must comply with the special conditions established in the attached General Water Quality Certificate (GWQC) that DNER issued for these NWPs for activities that are **not in Outstanding National Resources Waters**. Permittees performing activities under the authority of these NWPs must comply with the special conditions in the GWQC.
- e. WQCs are denied for all activities under NWPs 3, 7, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, 31, 33, 34, 36, 41, 45, 46, 49, 53, 54 and 59 **if the activities are conducted in Outstanding National Resources Waters**. Therefore, in accordance with NWP General Condition 25, the prospective Permittee must obtain an individual WQC or a waiver for activities authorized by these NWPs if there will be a discharge into an Outstanding National Resources Water. Prospective Permittees must follow applicable rules in 40 C.F.R. Part 121, *State Certification of Activities Requiring a Federal License or Permit*.

f. CZMA consistency concurrence was not received for NWPs 29, 39, 40, 42, 44, 46 and 51. In accordance with NWP General Condition 26, “the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP.” The Puerto Rico Planning Board states the following:

Applicants of projects that qualify for USACE authorization through these NWPs must fill a Joint Permit Application to obtain a Federal Consistency Certificate with the PRCZCMP [Puerto Rico Coastal Zone Management Program]. The PR Planning Board will conduct a regular Federal Consistency review process in these cases and the submitted projects must demonstrate compliance with the state requirements. This Federal Consistency Certification does not exempt the project to comply with other federal or state requirements.

g. CZMA consistency concurrence was granted for NWPs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 41, 43, 45, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, and 59. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual CZMA consistency determination for an activity under these NWPs.

5. U.S. Virgin Islands.

a. WQCs for NWPs 12, 21, 29, 39, 40, 42, 43, 44, 48, 50, 51, 52, 55, 56, 57, and 58 are waived. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual WQC or waiver for an activity under these NWPs.

b. WQCs are denied for NWPs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 41, 45, 46, 49, 53, 54 and 59. Therefore, in accordance with NWP General Condition 25, the prospective Permittee must obtain an individual WQC or a waiver for activities authorized by these NWPs that propose a discharge into waters of the U.S. by following applicable rules in 40 C.F.R. Part 121, *State Certification of Activities Requiring a Federal License or Permit*.

c. CZMA consistency concurrence was presumed to be granted for NWPs 12, 21, 29, 39, 40, 42, 43, 44, 48, 50, 51, 52, 55, 56, 57, and 58. Therefore, there is no requirement for the prospective Permittee to obtain and submit to the Corps an individual CZMA consistency determination for an activity under these NWPs.

d. CZMA consistency concurrence was denied for NWPs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 41, 45, 46, 49, 53, 54 and 59. In accordance with NWP General Condition 26, “the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the activity to be authorized by an NWP.”

F. DEFINITIONS AND ACRONYMS.

1. Puerto Rico: Culebra Island; the coastal zone of La Parguera from Punta Jorobado for a distance of approximately twenty kilometers west to Cabo Rojo; Cartagena Lagoon; Tortuguero Lagoons; Mona Island; Forest Reserve Area at Piñones and Torrecilla; Las Cabezas; El Yunque; Jobos Bay; Mar Negro; Río Mameyes; Las Cucharillas Marsh; Caño Tiburones; Rio Herrera/Miñi-Miñi/Mediania area; entire Municipality of Cabo Rojo; Caño Boquillas west of PR-2; Cayures Marsh in Aguada and its contiguous wetlands; the basin wetlands of Bajuras at Isabela, Camuy, and Carrizales in Arecibo; Prieta wetlands at Vega Alta; San Pedro wetlands in Dorado and Toa Alta; Cienaga Baja in Río Grande; wetlands associated with Herrera and Espiritu Santo Rivers; coastal wetlands of Santa Isabel; and all Commonwealth designated Natural Reserve areas. Also, areas along Martin Pena Channel and associated wetlands; Piñones State Forest wetlands; Torrecilla Alta Pterocarpus Forest, Loiza; El Faro (Cabezas de San Juan), Fajardo; wetlands in the Guanica State Forest; Humacao Swamp and Pterocarpus Forest; Caja de Muertos, Ponce; Jobos Bay, Salinas; Mar Negro, Salinas; Boqueron State Forest, Cabo Rojo; Dorado Pterocarpus Forest; Vieques Bioluminescent Bay; Laguna Tortuguero; Caño Tiburones; Espinar Swamp (Aguada-Aguadilla); Laguna Joyuda mangroves, Cabo Rojo; Pandura and Guardarraya Special Planning Area; and Ceiba State Forest.
2. U.S. Virgin Islands. St. Croix: Annally; Green Cay; Isaac Bay; Cramer's Park and East Point; Sandy Point; Salt River; Teague Bay Reef; Vagthus Point; Altonna Lagoon. St. John: all cays; Lagoon Point Newfound Bay; Chocolate Hole; Fish Bay. St. Thomas: Botany Bay and Sandy Bay; Coki Cliffs; Mangrove Lagoon (in its entirety); Bovoni wetland area; all cays; Cane Bay; Magens Bay; Mandahl Bay; Neltjeberg Bay and Stumpy Bay.
3. For NWP 43, for activities other than in wetlands adjacent to Deer Point Lake and its tributaries in Bay County, Florida, the notification requirements in NWP 43 apply with the clarification in the Notification section that maintenance activities do not require pre-construction notification if they are limited to restoring the original design capacities.
4. Antilles: For purposes of these regional conditions, the term "Antilles" means the geographic extents of both the Commonwealth of Puerto Rico and the Territory of the U.S. Virgin Islands.
5. The term "coral assemblage" includes coral reefs and hardbottom communities, which host species of corals listed under the Endangered Species Act, as well as other hard and soft coral communities.
6. <reserved>.
7. The term "submerged aquatic vegetation" means the occurrence of one or more species of seagrass, including, but not limited to, the following: turtle grass (*Thalassia testudinum*), manatee grass (*Syringodium filiforme*), shoal grass (*Halodule wrightii*), and dwarf seagrass (*Halophila spp.*).

8. Marine Protected Area (MPA): In accordance with Executive Order 13158 (May 26, 2000), a marine protected area is defined as “any area of the marine environment that has been reserved by Federal, State, territorial, tribal, or local laws or regulations to provide lasting protection for part or all of the natural and cultural resources therein.”

9. Use of gabions for flood control, river channelization or bank stabilization shall not provide a permanent or long-term solution (DNER 2009, Guía Para el Manejo de Ríos en Puerto Rico). Gabions are subject to mesh failure, scour or undercutting, collapse and hydraulic impacts of the water itself. The use of gabions or reno mattress should not be used in coastal areas or large river systems. The removal of accumulated sediments and debris near bridges is limited to 50 feet upstream and downstream of the bridge. Heavy equipment shall work from existing upland areas (i.e., bridges, upland banks) whenever possible. If heavy equipment must be used within a channel, the removal of riparian vegetation is limited to the access and egress point. The elimination of riverine features, such as point bars and pools, is not authorized pursuant to these NWPs. Post construction, all temporary fords or crossings shall be removed; banks and channel shall be returned to pre-existing contours and depths. The stream banks shall be fully stabilized using stream bank restoration treatments.

10. The optimal window for benthic survey of submerged aquatic vegetation is during the period June 1 through September 30. The Jacksonville District’s Source Book should be accessed for guidance and information on benthic survey protocol, such as the NMFS *Submerged Aquatic Vegetation Survey Guidelines* (May 7, 2018).

11. More information on Living Shorelines can be obtained from the following website: http://www.dep.state.fl.us/northwest/ecosys/section/living_shorelines.htm. This website link is provided for information only and does not imply support for, or opposition to, living shorelines.

12. <reserved>.

13. Acronyms Used in Regional Conditions:

- Corps: U.S. Army Corps of Engineers
- EPA: U.S. Environmental Protection Agency
- FDEP: Florida Department of Environmental Protection
- NMFS: National Marine Fisheries Service
- NOAA: National Oceanic and Atmospheric Administration
- PCN: Pre-construction notification
- USFWS: U.S. Fish and Wildlife Service

G. DISTRICT POINT OF CONTACT.

Regulatory Division
Jacksonville District, U.S. Army Corps of Engineers
U.S. Mail: PO Box 4970, Jacksonville, FL 32232-0019

SAJ-2022-02574 ENCLOSURE 2

2021 NWP REGIONAL CONDITIONS FOR JACKSONVILLE DISTRICT (SAJ)

Physical: 701 San Marco Blvd, Jacksonville, FL 32207

General inquiry phone (904) 232-1177

General inquiry email: SAJ-RD@usace.army.mil

Inquiries will be routed to the current Project Manager for response.

H. ATTACHMENT.

Puerto Rico General Water Quality Certificate

DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES
GENERAL WATER QUALITY CERTIFICATE

This General Water Quality Certificate (GWQC) applies to any discharge resulting from activities authorized by Nationwide Permits (NWP) number 3, 7, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, 31, 33, 34, 36, 41, 45, 46, 49, 53, 54 and 59 conducted in all waters except in Outstanding National Resources Waters (ONRWs) as defined in Part II.C of the Department of Natural and Environmental Resources (DNER) Anti-degradation Policy Implementation Procedure (Attachment A of the Puerto Rico Water Quality Standards Regulation (PRWQSR)).

Section 401 of the Federal Clean Water Act, as amended (33 U.S.C. 466 *et seq.*) (CWA), requires that prior any federal agency can issue a permit or license to conduct any activity that may result in the discharge of pollutants into waters of the United States, a WQC must be obtained from the state Agency with jurisdiction over water pollution control. In Puerto Rico, such agency is the DNER, pursuant to Law No. 416-2004, Public Environmental Policy Act and after the enactment of the "Reorganization Plan of the Department of Natural and Environmental Resources of 2018", Law No. 171-2018.

Pursuant to Section 401 (a)(1) of the CWA, after due consideration of the applicable provisions established in the PRWQSR, as amended, and in Sections 301, 302, 303, 306 and 307 of the CWA, it is certified that there is reasonable assurance, as determined by the DNER, that the potential discharges resulting from activities authorized by the aforementioned NWPs will comply with water quality requirements, as defined in 40 CFR Part 121.1(n), subject to compliance with the Special Conditions of this GWQC. The Special Conditions shall be incorporated into the corresponding NWPs to satisfy the provisions of Section 301 (b)(1)(C) of the CWA.

A. SPECIAL CONDITIONS

The following Special Conditions are authorized by Article 9 of the Environmental Public Policy Act, Law No. 416-2004, as amended.

1. The DNER, by the issuance of this GWQC, does not relieve the permittee from its responsibility to obtain additional permits or authorizations from the DNER or other state and federal agencies, as required by law. The issuance of the GWQC shall not be construed as an authorization to conduct activities not specifically covered in the GWQC, which will cause water pollution as defined by the PRWQSR, as amended.
2. To be covered under this GWQC, the permittee for the NWP must complete and submit to the Points Sources Permits Division of the DNER, the form entitled Notice of Intent to be Covered by the General Water Quality Certificate for Applicable Cases of the U.S. Corps of Engineers Nationwide Permits, DNER Form GWQC-02 (Attachment 1). Such form shall be submitted electronically to the following address: fuentesprecisadas@jca.pr.gov.
3. The permittee must develop and implement a Pollution Prevention Plan that includes, but is not limited to, the following:
 - a. measures to prevent and control the spills of pollutants, including all necessary measures to prevent residues of organic and inorganic substances, such as oils, fuels or other

- chemical substances, from being carried away by runoff and gaining access to a water body;
- b. countermeasures to be implemented in case of emergencies (breakage of sanitary lines, drinking water, gas, among others).
4. The permittee shall install, maintain, and operate all water pollution control equipment in such manner as to be in compliance with the Applicable Rules and Regulations. These Applicable Rules and Regulations include the water quality standards and all other requirements established by the PRWQSR or by other laws or regulations of Puerto Rico, concerning the conservation and protection of the natural resources that may affect the quality of the water resources.
5. The permittee shall take all necessary control measures to avoid violations of the water quality standards applicable to any water body that may be affected by the activity. These measures should include, but limited to, the following parameters:
- Color
 - Dissolved Oxygen
 - Oil and Grease
 - pH
 - Solids and Other Matter
 - Surfactants as MBAS
 - Suspended, Colloidal or Settleable Solids
 - Taste or Odor Producing Substances
 - Turbidity
6. The permittee must request and obtain the Consolidated General Permit or the General Permit for Other Works from the Permits Management Office (*Oficina de Gerencia de Permisos, OGPe*), in accordance with the Regulation for the Processing of General Permits (Regulation Number 7308) and the Regulation for the Control of Erosion and Prevention of Sedimentation (Regulation Number 5754), if applicable.
7. For activities that generate return waters, the permittee shall:
- a. Within a term no greater than thirty (30) days after the date of the verification letter issued by the COE, the permittee must submit to the DNER a method for measure or estimate the flow of the return waters discharge (discharge 001). If a flow-measuring device is installed, it must be periodically calibrated and properly maintained. A record of calibration and maintenance shall be kept.
- b. Within a term no greater than thirty (30) days after the date of the verification letter issued by COE, the permittee must submit for the evaluation and approval of the DNER, the location of the sampling point for discharge 001, which must be located immediately after the flow-measuring device.
- c. The sampling point for discharge 001 shall be labeled with an 18 inches per 12 inches (minimum dimensions) sign that reads as follow:

"Punto de Muestreo para la Descarga 001"

- d. The permittee must implement a bi-weekly monitoring plan or when the flow occurs, for the following parameters as specified below:

<u>Effluent Characteristics</u>	<u>Monitoring Requirements</u>	
	<u>Measurements Frequency</u>	<u>Sample Type</u>
Color (Pt-Co Units)	φ	Grab
Dissolved Oxygen (mg/L)	φ	Grab
Flow (MGD)	Continuous Recording or Estimated	
Oil and Grease (mg/L)	φ	Grab
pH (SU)	φ	Grab
Surfactants as MBAS (µg/L)	φ	Grab
Suspended, Colloidal or Settleable Solids (mL/L)	φ	Grab
Temperature (°C)	φ	Grab
Turbidity (NTU)	φ	Grab

φ Bi-weekly or When Flow Occurs

- e. The waters of Puerto Rico shall not contain any substance attributable to discharge 001, at such concentration which, either alone or as result of synergistic effects with other substances, is toxic or produces undesirable physiological responses in human, fish or other fauna or flora.
- f. The discharge 001 shall not cause the presence of oil sheen in the receiving water body.
- g. All sample collection, preservation, and analysis shall be carried out in accordance with the Title 40 of the Code of Federal Regulations (40 CFR), Part 136. A licensed chemist authorized to practice the profession in Puerto Rico shall certify all chemical analyses.
- h. The permittee shall submit to the DNER a monthly report of the results of the sampling of discharge 001. The reports shall be submitted to the following address:

Department of Natural and Environmental Resources
 Point Sources Permits Division
 Water Quality Area
 San José Industrial Park
 1375 Ave. Ponce de León
 San Juan, Puerto Rico 00926

8. For activities that include the extraction and/or dredging of material, the permittee shall keep a log for the material extracted during the activities authorized in the permit, where the following is detailed:
- approximate volume and weight;
 - method by which it is removed and transported;
 - final disposal of such material and location;
 - person that performs the service;
 - removed material and date.

A copy of the Non-Hazardous Solid Waste Collection or Transportation Services Permit issued by the authorized official from the DNER must be attached to the log book.

9. For activities that include the extraction and/or dredging of material, the material extracted during the activities authorized in the permit shall be transported adequately in such way that access is not gained to any water body or soil. In the event of a spill of the extracted material on land or into a water body, the permittee shall notify the Point Sources Permits Division of the DNER's Water Quality Area in writing within a term no longer than twenty-four (24) hours after the spill to the following electronic address: bypass@jca.pr.gov. This notification shall include the following information:
- spill material,
 - spill volume,
 - measures taken to prevent the spill material to gain access to any water body or measures taken to clean and/or mitigate the impact of the spill material in the water body.

This special condition does not relieve the permittee from its responsibility to obtain the corresponding permits from the DNER's Land Pollution Control Area and other state and federal agencies, if any.

B. CITATION AND JUSTIFICATION FOR SPECIAL CONDITIONS (40 CFR 121.7(d)(2))

Special Condition	Statement explaining why the condition is necessary (40 CFR 121.7(d)(2)(i))	Citation to federal or state law that authorizes the condition (40 CFR 121.7(d)(2)(ii))
1	This special condition is necessary to establish the extent and coverage of the GWQC in compliance with the requirements of the PRWQSR and Law No. 416-2004.	<ul style="list-style-type: none"> • Rule 1306.1.B of the PRWQSR • Law No. 416-2004
2	This special condition is necessary to provide DNER with general information and description of the proposed activity to be covered by the GWQC.	<ul style="list-style-type: none"> • Law No. 416-2004
3	This special condition is necessary to require the permittee to establish the Best Management Practice to prevent pollutants coming from the proposed	<ul style="list-style-type: none"> • Rule 1306.5 of the PRWQSR • Law No. 416-2004

Special Condition	Statement explaining why the condition is necessary (40 CFR 121.7(d)(2)(i))	Citation to federal or state law that authorizes the condition (40 CFR 121.7(d)(2)(ii))
	activities gaining access to the water body, in such manner that the permitted activity comply with the applicable water quality requirements established in the PRWQSR and Section 303 of the CWA.	
4	This special condition is necessary to require the permittee to establish control measures to prevent pollutants coming from the proposed activities gaining access to the water body, in such manner that the permitted activity comply with the applicable water quality requirements established in the PRWQSR and Section 303 of the CWA.	<ul style="list-style-type: none"> • Rule 1306.1.B.1 of the PRWQSR • Rule 1306.6.A.1 of the PRWQSR • Law No. 416-2004
5	This special condition is necessary to require the permittee to establish control measures to prevent pollutants coming from the proposed activities gaining access to the water body, in such manner that the permitted activity comply with the applicable water quality requirements established in the PRWQSR and Section 303 of the CWA.	<ul style="list-style-type: none"> • Rule 1301 of the PRWQSR • Rule 1303 of the PRWQSR • Rule 1306.2 of the PRWQSR • Law No. 416-2004
6	This special condition is necessary to require the permittee to establish the Best Management Practice to prevent that solids and other pollutants coming from the proposed activities gaining access to the water body, in such manner that the permitted activity comply with the applicable water quality requirements established in the PRWQSR, Section 303 of the CWA and other state regulations promulgated pursuant to Law No. 416-2004, such as the Regulation for the Control of Erosion and Prevention of Sedimentation.	<ul style="list-style-type: none"> • Rule 1306.1.B.1 of the PRWQSR • Regulation for the Control of Erosion and Prevention of Sedimentation • Regulation for the Processing of General Permits • Law No. 416-2004
7	This special condition is necessary to establish source monitoring, record keeping, reporting, sampling, and testing methods requirements in the GWQC, to applicable discharges to comply with water quality requirements established in the PRWQSR. Also, this condition is necessary to prevent solid and other pollutants coming from the proposed activity to gain access to the water bodies in such amount that could cause violations to the applicable water quality standards and have adverse effects in the designated or existing uses of the receiving water body.	<ul style="list-style-type: none"> • Rule 1301 of the PRWQSR • Rule 1303 of the PRWQSR • Rule 1306.2 of the PRWQSR • Law No. 416-2004
8	This special condition is necessary to establish source monitoring, record keeping, reporting, sampling, and testing methods requirements in the GWQC, to applicable discharges to comply with water quality	<ul style="list-style-type: none"> • Rule 1306.1.B.1 of the PRWQSR


Special Condition	Statement explaining why the condition is necessary (40 CFR 121.7(d)(2)(i))	Citation to federal or state law that authorizes the condition (40 CFR 121.7(d)(2)(ii))
	requirements established in the PRWQSR. Also, this condition is necessary to prevent solid and other pollutants coming from the proposed activity to gain access to the water bodies in such amount that could cause violations to the applicable water quality standards and have adverse effects in the designated or existing uses of the receiving water body.	<ul style="list-style-type: none"> • Rule 1306.2 of the PRWQSR • Law No. 416-2004
9	This special condition is necessary to require the permittee to establish the Best Management Practice to prevent that solids and other pollutants coming from the proposed activities gaining access to the water body, in such manner that the permitted activity comply with the applicable water quality requirements established in the PRWQSR, and Law No. 416-2004. Also, this condition is necessary to establish record keeping and reporting requirements in the GWQC, to comply with water quality requirements established in the PRWQSR.	<ul style="list-style-type: none"> • Rule 1306.1 of the PRWQSR • Rule 1306.2 of the PRWQSR • Rule 1306.4 of the PRWQSR • Law No. 416-2004

In San Juan, Puerto Rico, October 12, 2021.



Rafael A. Machargo Maldonado
Secretary

ATTACHMENT 1

	<p>DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES</p> <p>WATER QUALITY AREA Point Sources Permits Division</p> <p>NOTICE OF INTENT TO BE COVERED BY THE GENERAL WATER QUALITY CERTIFICATE FOR APPLICABLE CASES OF THE U. S. CORPS OF ENGINEERS NATIONWIDE PERMITS (NWPs 3, 7, 13, 14, 15, 16, 17, 18, 19, 22, 23, 25, 31, 33, 34, 36, 41, 45, 46, 49, 53, 54 and 59)</p>	
I. COE PERMIT INFORMATION		
COE Application Number	Latitude	Longitude
II. AFFECTED WATER BODY		
III. NAME OF PROJECT		
IV. APPLICANT		
Name		
Title	Phone	
	- -	
V. APPLICANT MAILING ADDRESS		
Street or P.O. Box		
City or Town	Zip Code	4+ Optional
VI. PROJECT LOCATION		
Street, Route Number or Other Specific Identifier		
City or Town	Zip Code	4+ Optional

VII. PROVIDE A BRIEF DESCRIPTION AND PURPOSE OF THE PROJECT				
VIII. ENCLOSED CERTIFICATION OF COMPLIANCE WITH ARTICLE 4 (B)(3) OF LAW NO. 416 OF SEPTEMBER 22, 2004, AS AMENDED.				
<input type="checkbox"/> Yes <input type="checkbox"/> No				
IX. ENCLOSED LETTER FROM THE COE INDICATING THE TYPE OF NWP APPLICABLE TO THE PROJECT AND STATING THAT THE APPLICATION FOR A COE PERMIT IS COMPLETE.				
<input type="checkbox"/> Yes <input type="checkbox"/> No				
X. ENCLOSED EFFLUENT CHARACTERIZATION (ONLY FOR ACTIVITIES THAT GENERATE RETURN WATERS)				
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA				
XI. CERTIFICATION				
<p>I certify under penalty of perjury, under the laws of Puerto Rico that all information and the attachments submitted in this application are true, accurate and complete to the best of my knowledge and belief. Also, I certify that I have read the information submitted and understand all the Special Conditions that constitute the GWQC in order to comply with the applicable water quality requirements.</p>				
Name				
Official Title				
Signature				Date Signed
				MM
				DD
				YY

COMMENCEMENT NOTIFICATION

*Within ten (10) days of initiating the authorized work, submit this form to via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number:** SAJ-2022-02574(NWP-BMC)

2. **Permittee Information:**

Name: _____

Email: _____

Address: _____

Phone: _____

3. **Construction Start Date:** _____

4. **Contact to Schedule Inspection:**

Name: _____

Email: _____

Phone: _____

Signature of Permittee

Printed Name of Permittee

Date

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019. For electronic mail saj-rd-enforcement@usace.army.mil (not to exceed 15 MB).

1. Department of the Army Permit Number: SAJ-2022-02574 (NWP-BMC)

2. Permittee Information:

Name: _____

Address: _____

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

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

Signature of Engineer

Name (*Please type*)

(FL, PR, or VI) Reg. Number

Company Name

City

State

ZIP

(Affix Seal)

Date

Telephone Number

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK
2011

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

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

CAUTION: MANATEE HABITAT

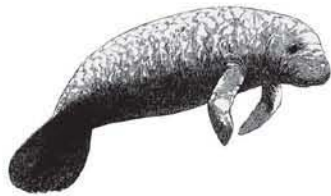
All project vessels

IDLE SPEED / NO WAKE

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

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: G5>!&\$&&!\$&)+((NWP-BMC)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019 or submit via electronic mail to: SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT) (BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

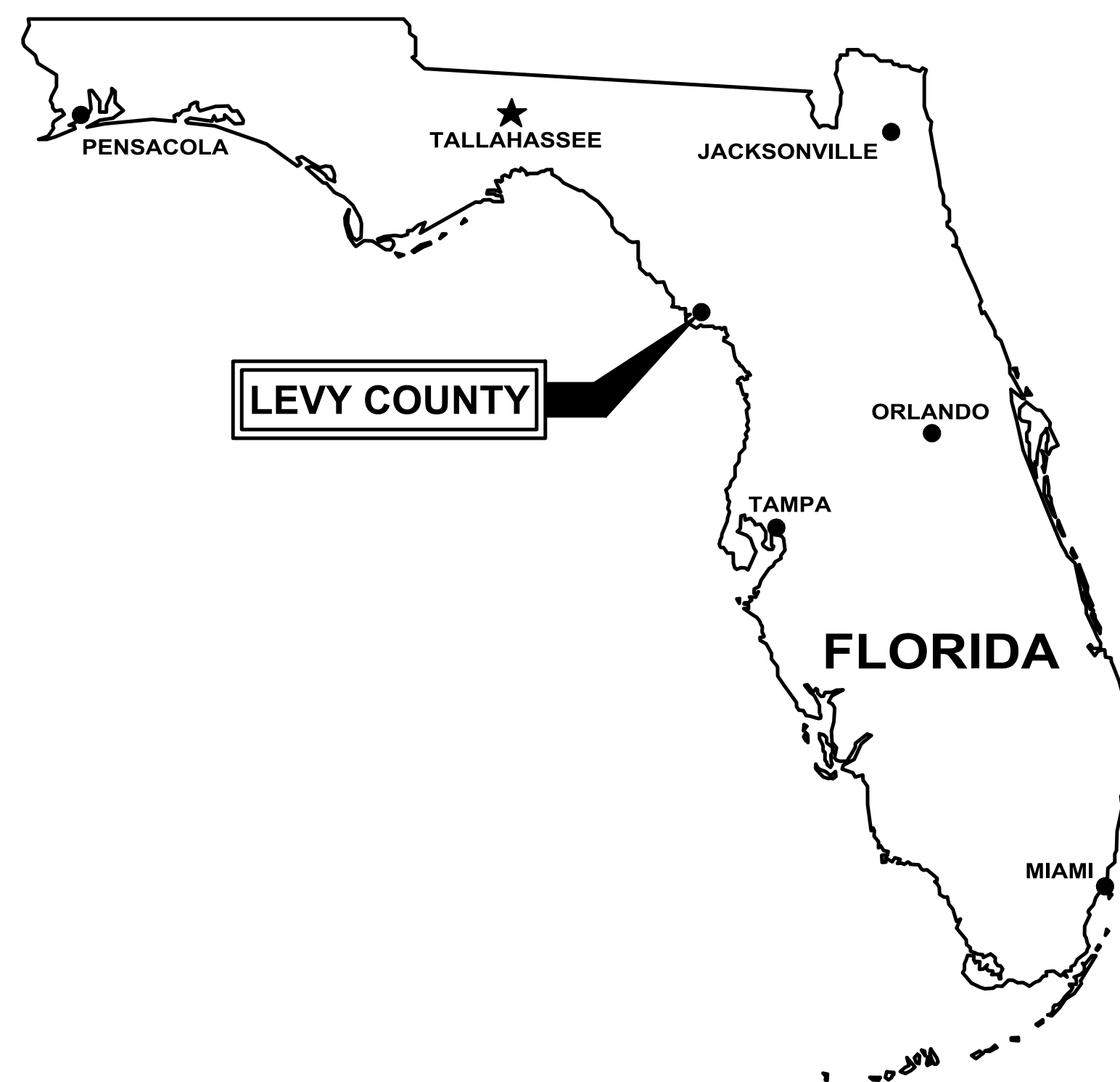


Construction Plans

COUNTY OF LEVY, FLORIDA

CONTRACT DRAWINGS FOR SHELL MOUND BOAT RAMP DREDGING

DECEMBER 2023
FINAL SUBMITTAL



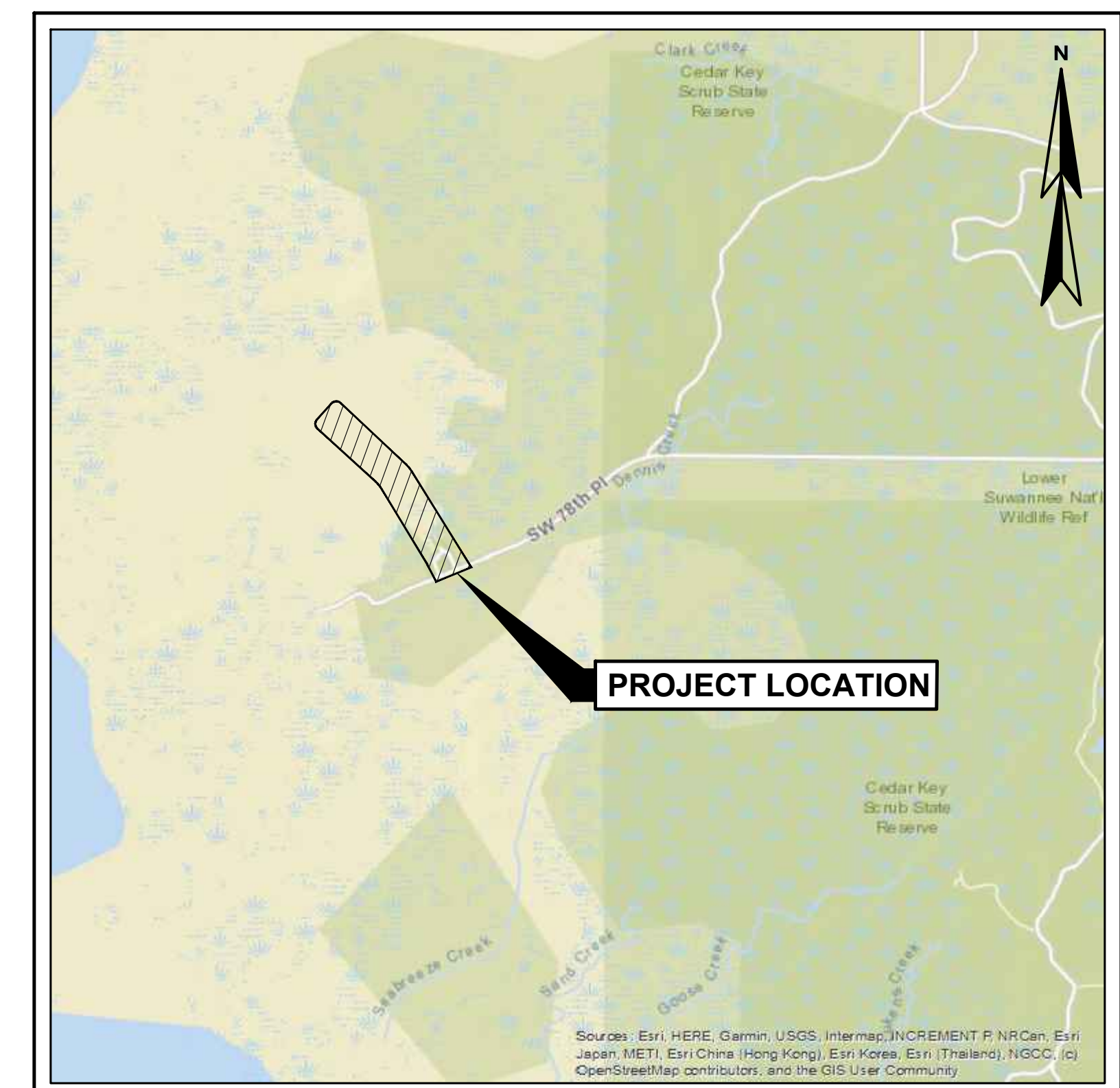
DRAWING INDEX

GENERAL

--- COVER SHEET

CIVIL

- C-1 GENERAL NOTES, LEGEND, AND ABBREVIATIONS
- C-2 EXISTING CONDITIONS
- C-3 DREDGING AND GRADING PLAN
- C-4 CROSS SECTIONS STA 1+00 TO STA 3+50
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LOCATION PLAN
SCALE: NTS

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GENERAL NOTES

- 1. 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...
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...
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)...

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...
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...
3. THERE ARE NO KNOWN HAZARDOUS ENVIRONMENTAL CONDITIONS WITHIN THE AREA OF WORK. IF THE PRESENCE OF HAZARDOUS ENVIRONMENTAL CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER IMMEDIATELY...

Table with 2 columns: ELECTRIC and WATER/SEWER/DRAIN. Lists contact information for Central Florida Electric Cooperative and Levy County Parks & Recreation.

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...

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...
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...

- 7. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS. 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...
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 02000.

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. 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.
2. 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 listing civil abbreviations such as DIA, NO, AC, 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, OUTF, PC, PSF, PSI, 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. Each abbreviation is paired with its full name.

Legend table showing symbols for EXISTING and PROPOSED conditions. Includes symbols for property/row lines, setbacks, easements, centerlines, edges of pavement, curbing, gravel, concrete, contours, buildings, stone walls, treelines, fences, retaining walls, guardrails, sewers, storm drains, underdrains, culverts, underground electric, overhead electric, telephone, cable TV, iron pipe/rebar, drillholes, monuments, survey control points, spot elevations, manholes, catch basins, electric manholes, telephone manholes, shutoff valves, hydrants, gate valves, utility poles, light poles, bollards, flagpoles, trees, shrubs, wetland flags, streams, floodplains, wetlands, drainage flows, swales, pavement markings, signs, mailboxes, test pits, borings, probes, monitoring wells, limits of work, silt fences, riprap, railroads, matchlines, rock outcrops, heavy and normal duty pavements, and walkway pavements.

Table for REVISIONS with columns for NO, DATE, and description.

Table for PROJECT INFORMATION including PROJECT NO. 20850, DESIGNED BY: M.HOFFMAN, CAD COORD: D.METZ, CHECKED: D.METZ, DATE, APPROVED: DATE, SUBMISSION: 90% DESIGN.

Table for DESIGN INFORMATION including PROJECT NO. 20850, DESIGNED BY: M.HOFFMAN, CAD COORD: D.METZ, CHECKED: D.METZ, DATE, APPROVED: DATE, SUBMISSION: 90% DESIGN.

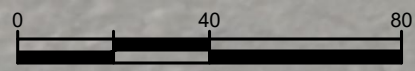
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COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS GENERAL NOTES, LEGEND, AND ABBREVIATIONS DRAWING C-1



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
SCALE: 1"=40'

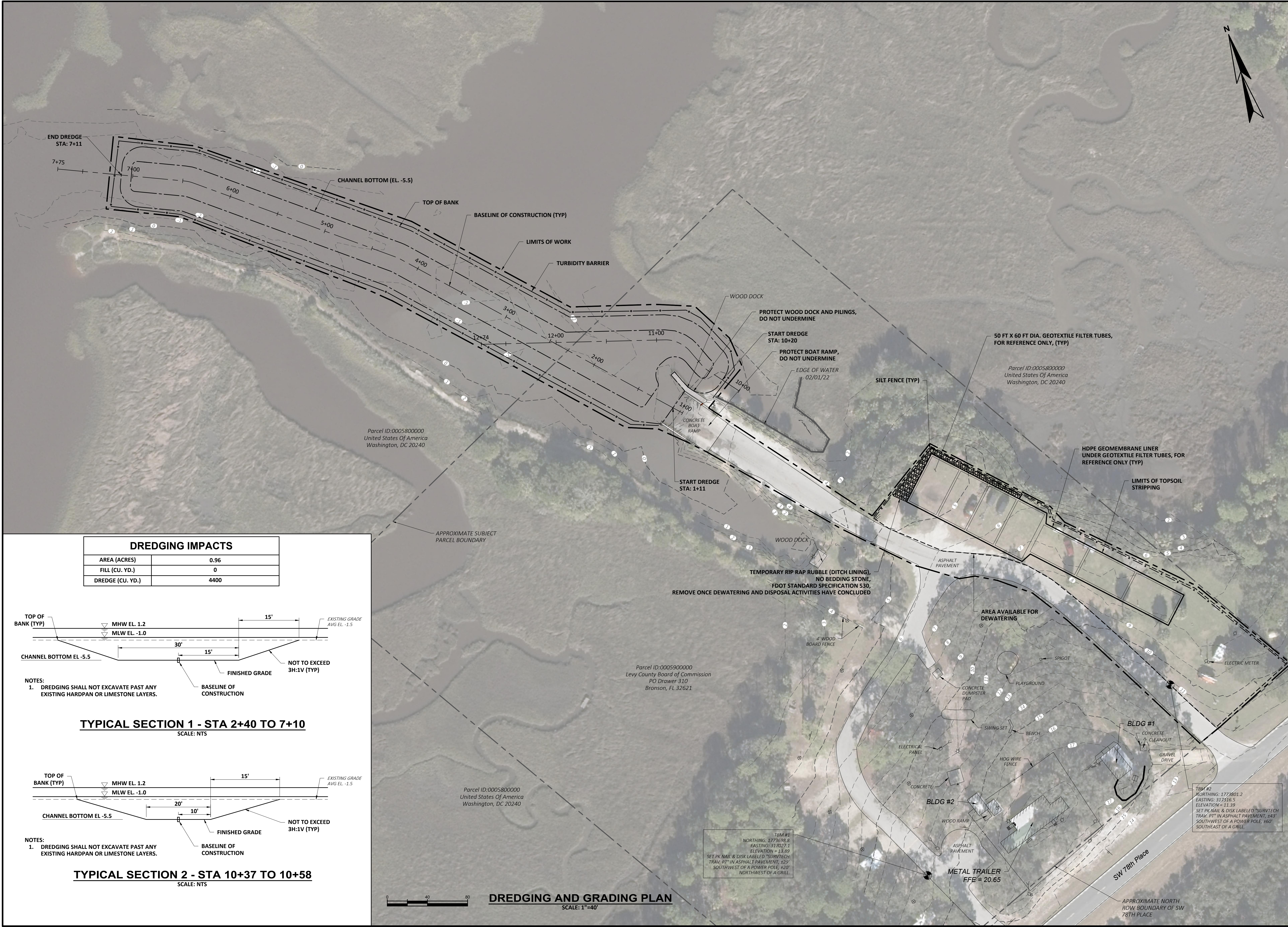
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CAD: _____	CHECKED: _____	NO		
DATE: _____	APPROVED: _____	NO		
DATE: _____	DATE: _____	NO		
DATE: _____	SUBMISSION: 90% DESIGN	NO		

<p>Parcel ID: 0005800000 United States Of America Washington, DC 20240</p>	<p>Parcel ID: 0005800000 United States Of America Washington, DC 20240</p>	<p>Parcel ID: 0005900000 Levy County Board of Commission PO Drawer 310 Bronson, FL 32621</p>	<p>Parcel ID: 0005800000 United States Of America Washington, DC 20240</p>
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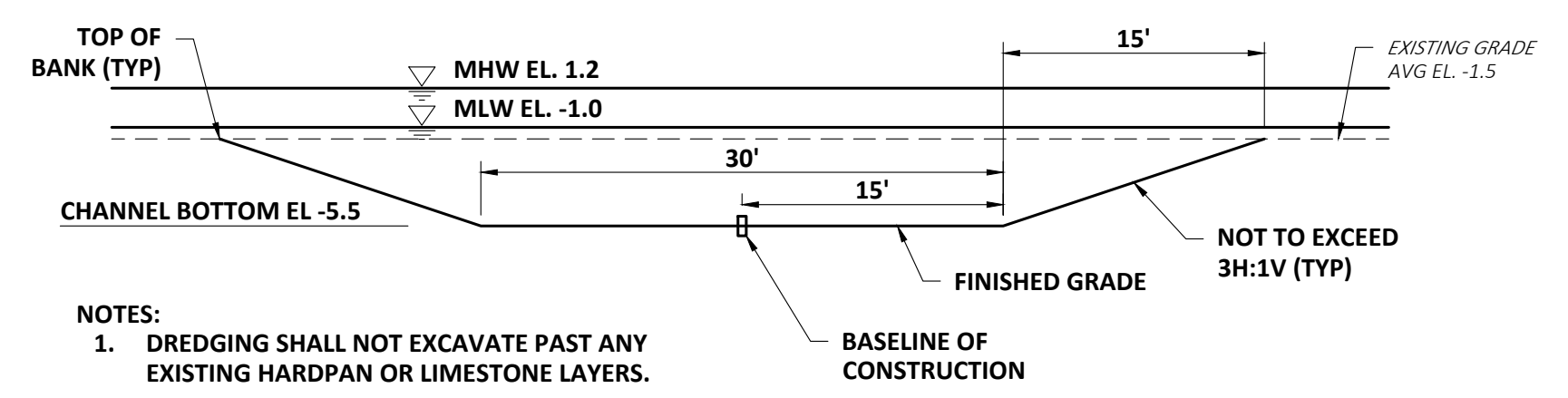
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<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>	<p>EXISTING CONDITIONS</p>
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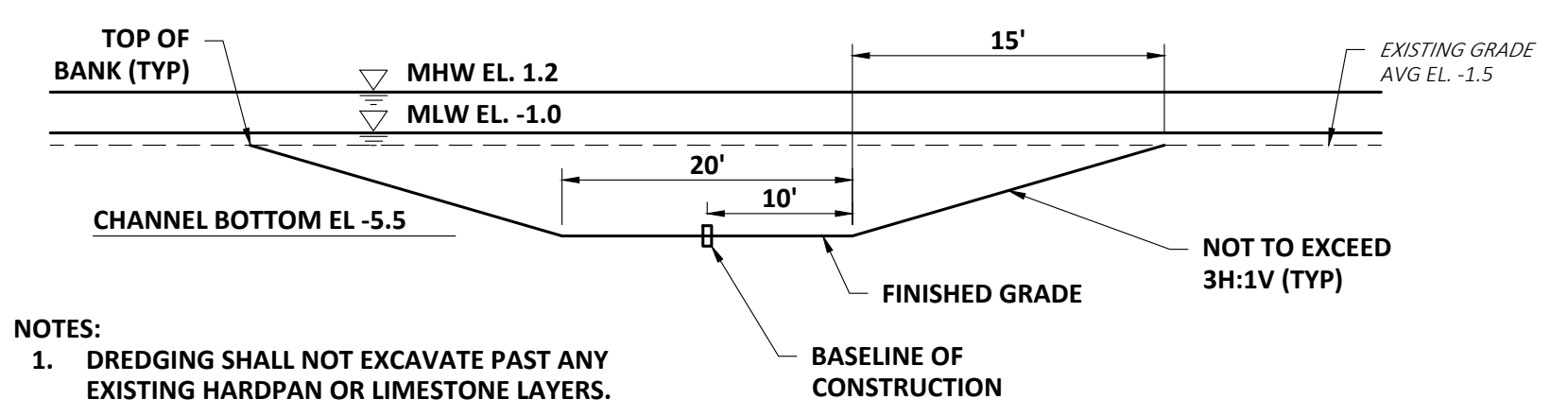
<p>WRIGHT-PIERCE</p> <p>800.422.1095 www.wright-pierce.com</p> <p>3820 NORTHDIALE BOULEVARD, SUITE 109A, TAMPA, FL 33624</p>	<p>DRAWING C-2</p>
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DREDGING IMPACTS	
AREA (ACRES)	0.96
FILL (CU. YD.)	0
DREDGE (CU. YD.)	4400



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



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

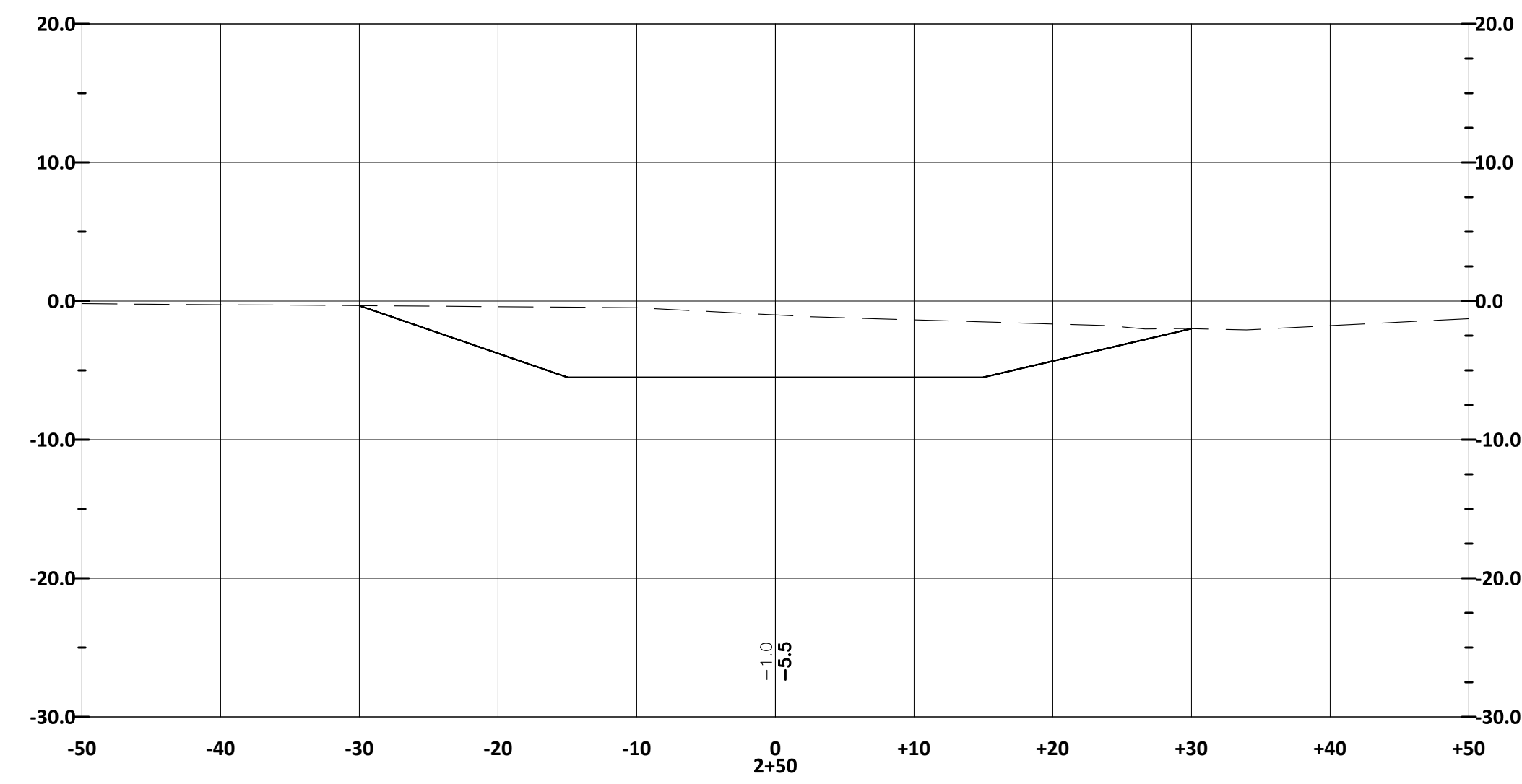
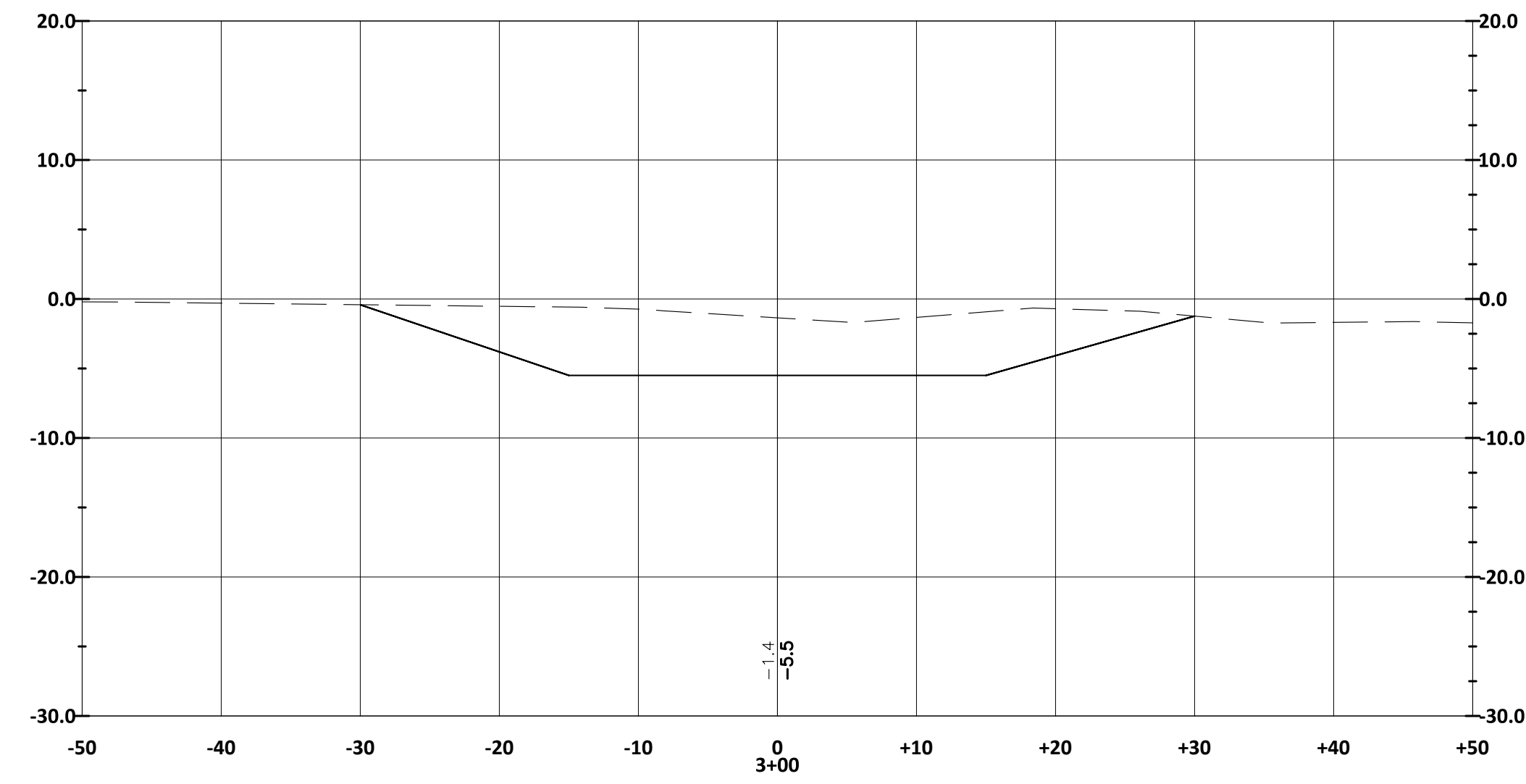
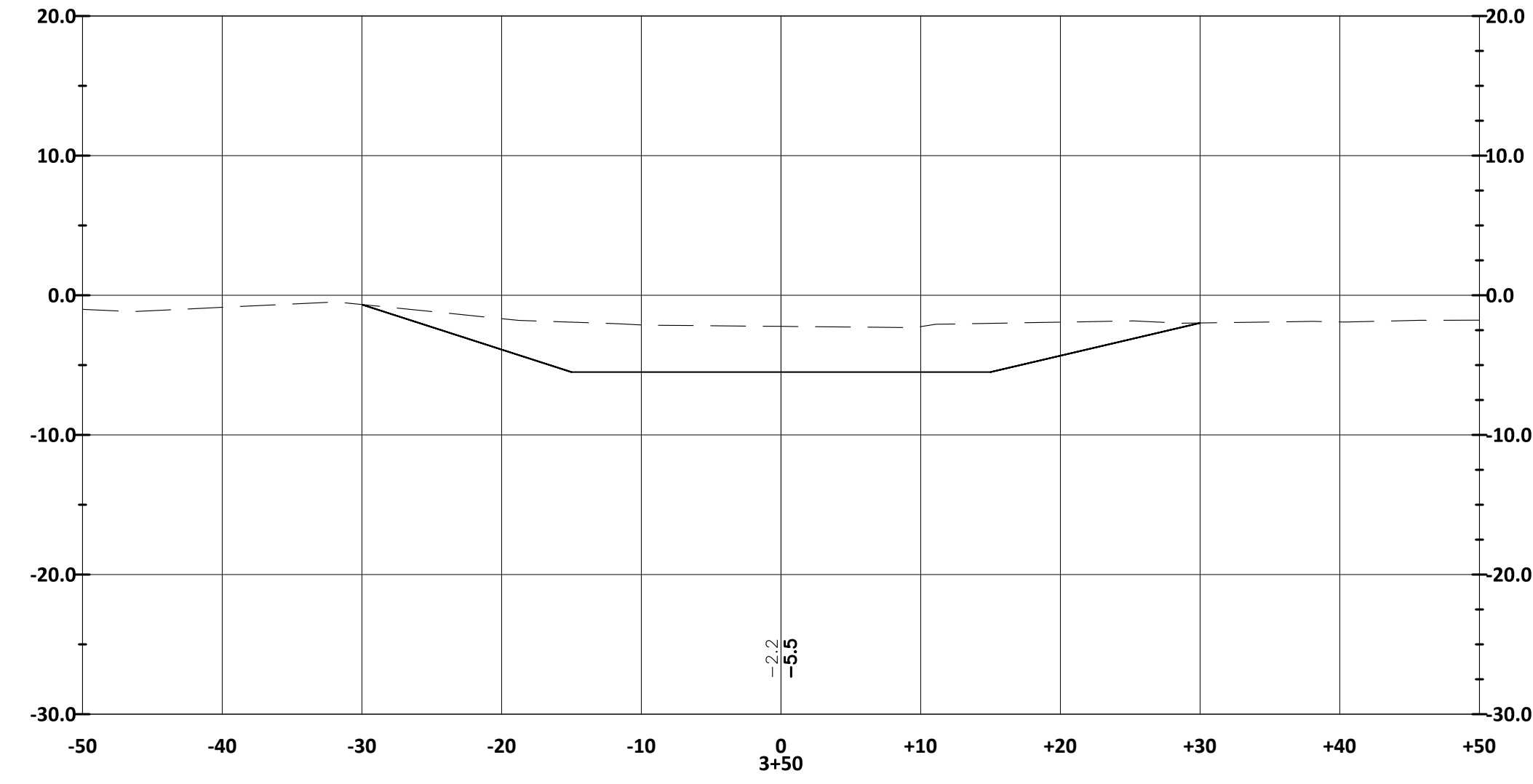
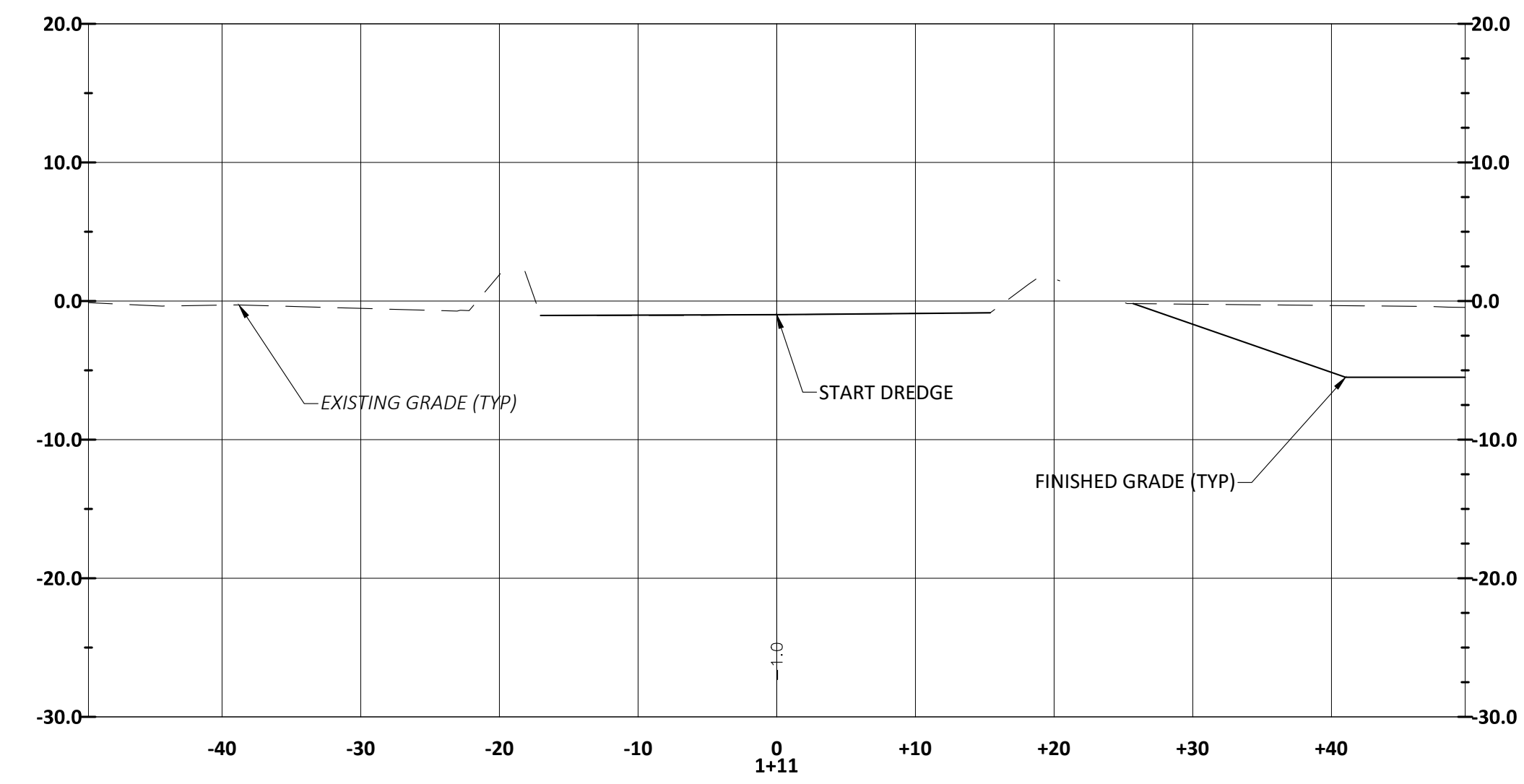
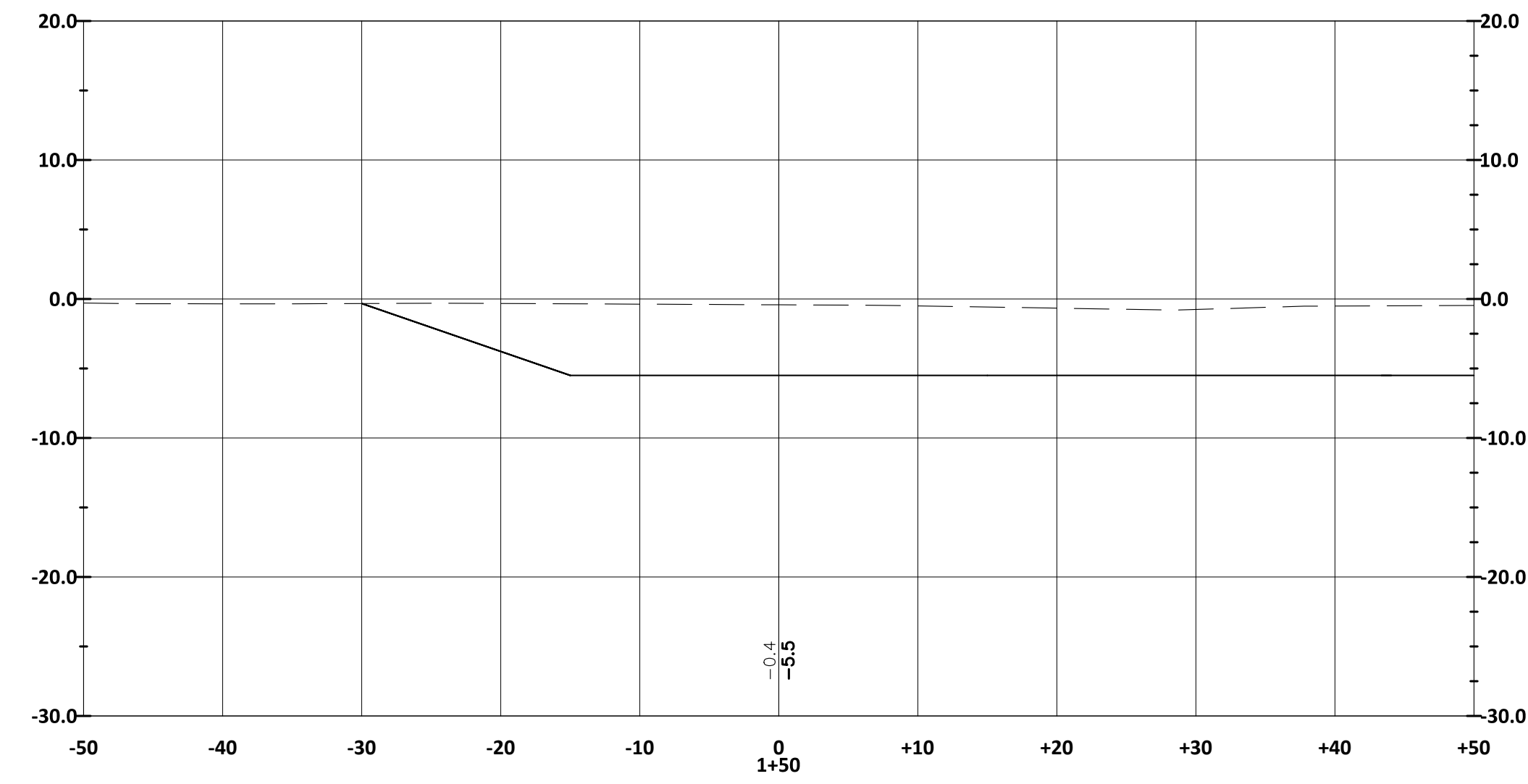
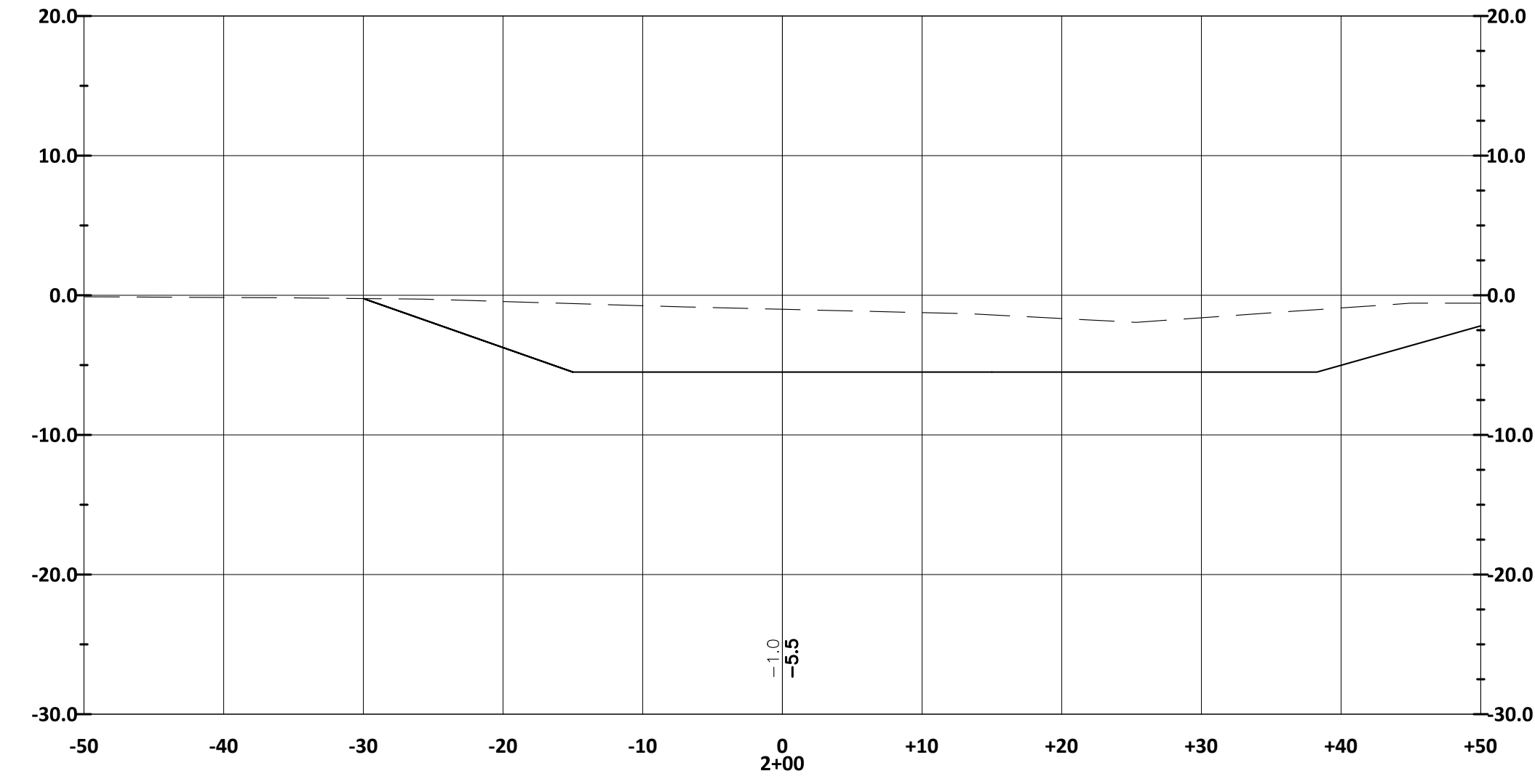
DREDGING AND GRADING PLAN
SCALE: 1"=40'

NO	REVISIONS	APPD	DATE

PROJECT NO: 20850	DESIGNED: M.HOFFMAN
CAD COORD: D.METZ	CAD: D.METZ
CHECKED: DATE:	APPROVED: DATE:
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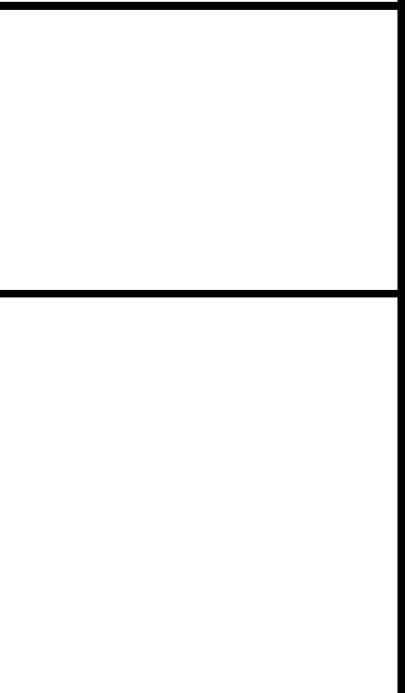
COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS
 DREDGING AND GRADING PLAN
 DRAWING
C-3



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

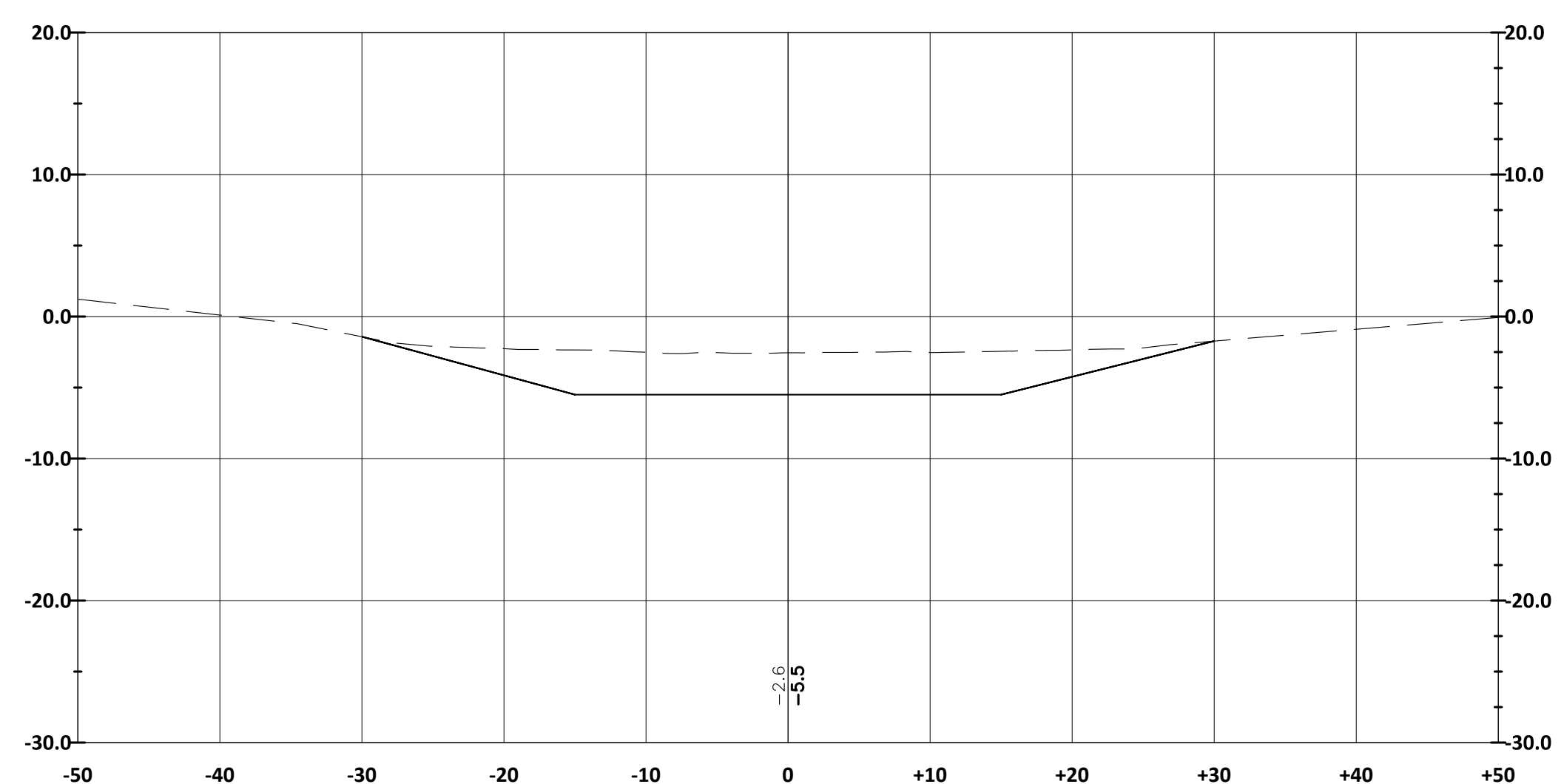
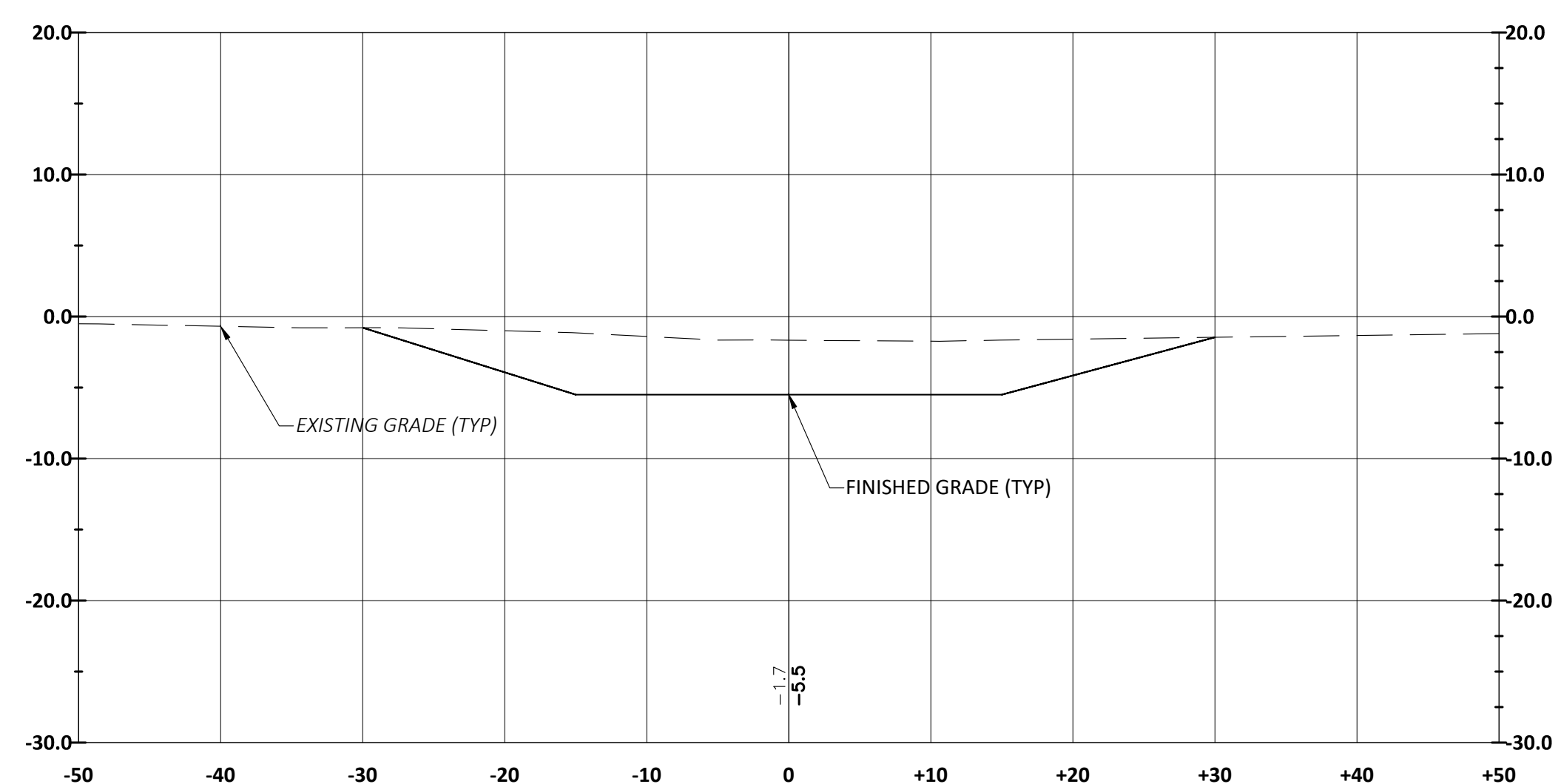
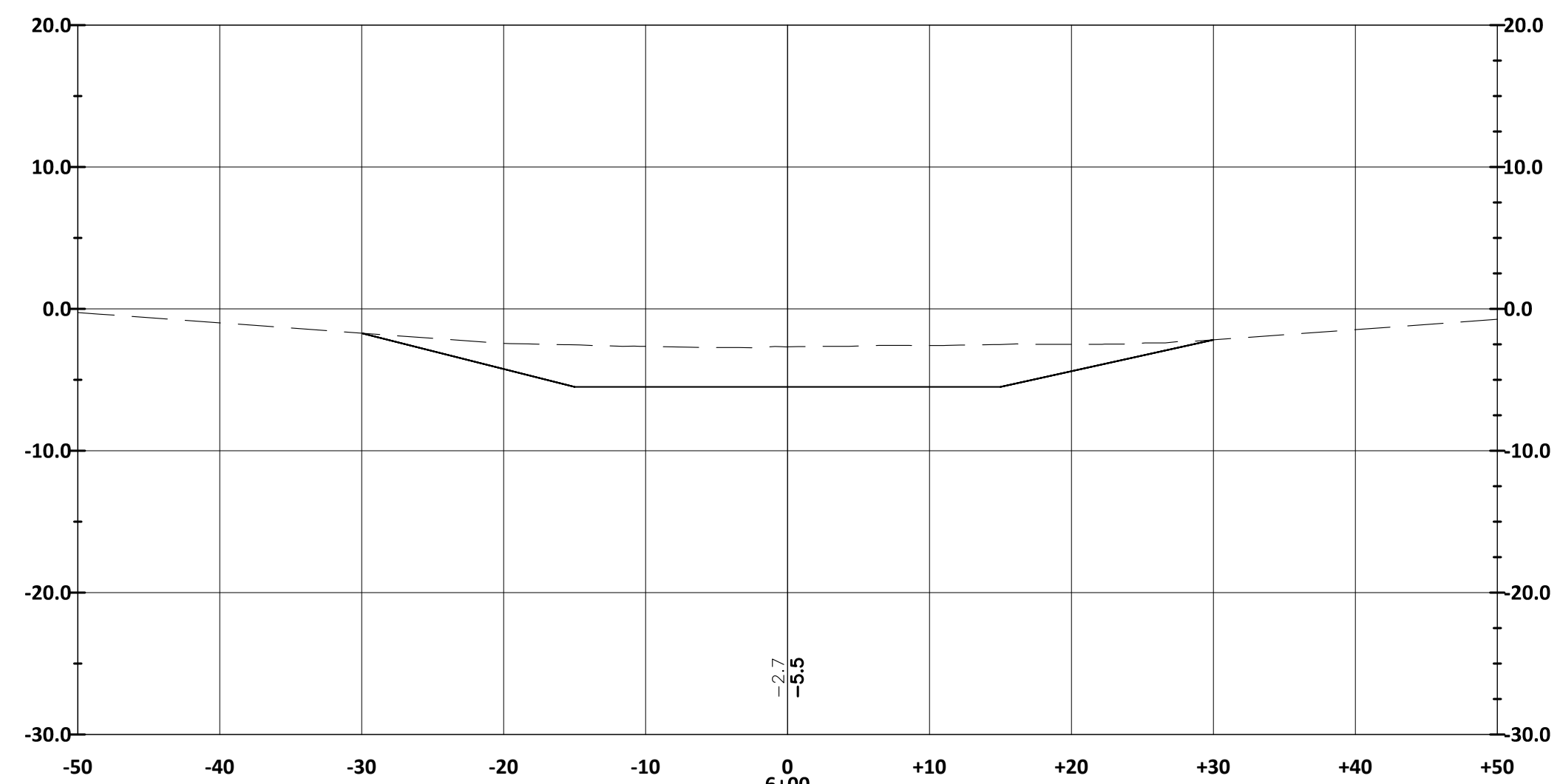
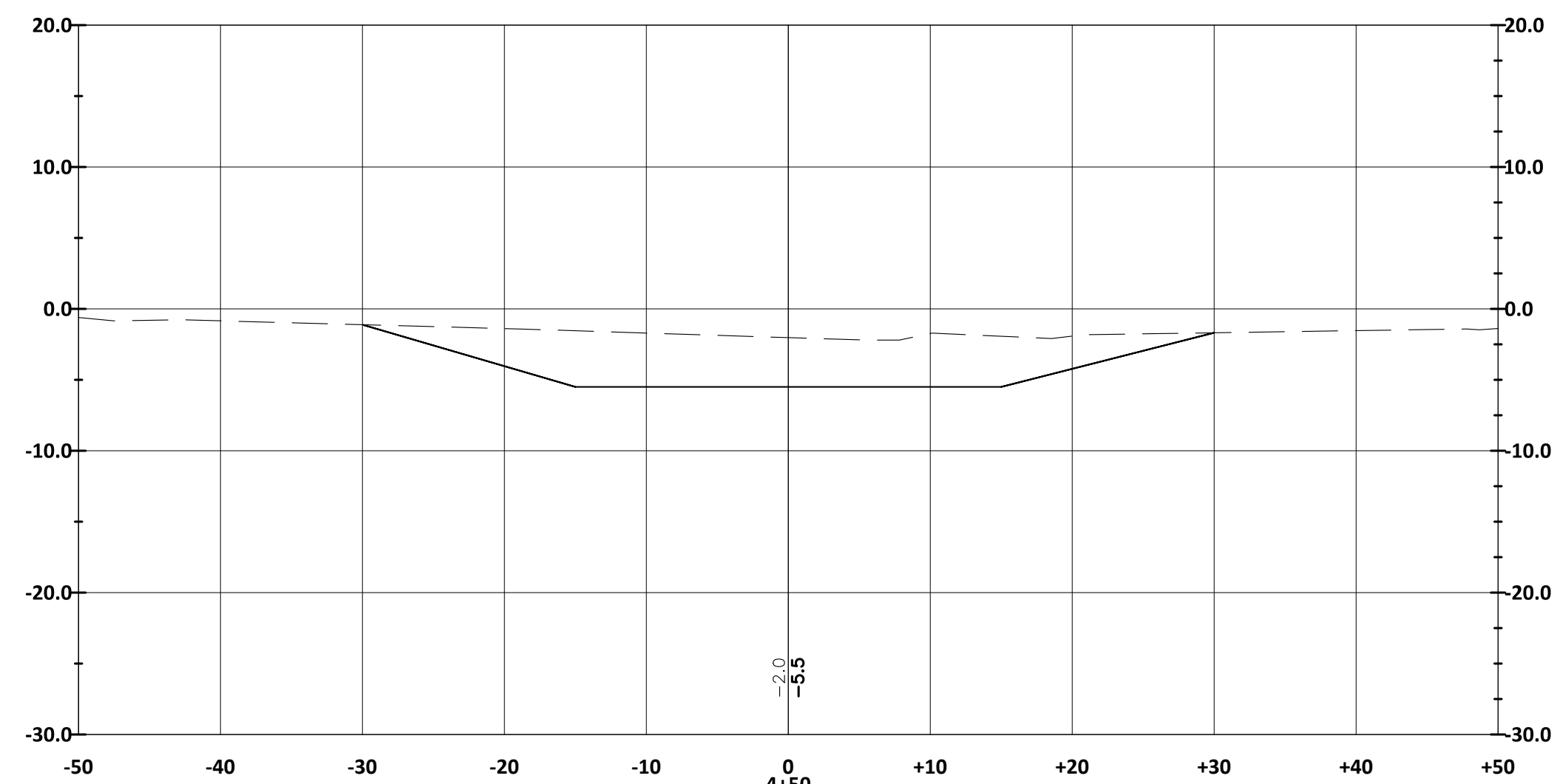
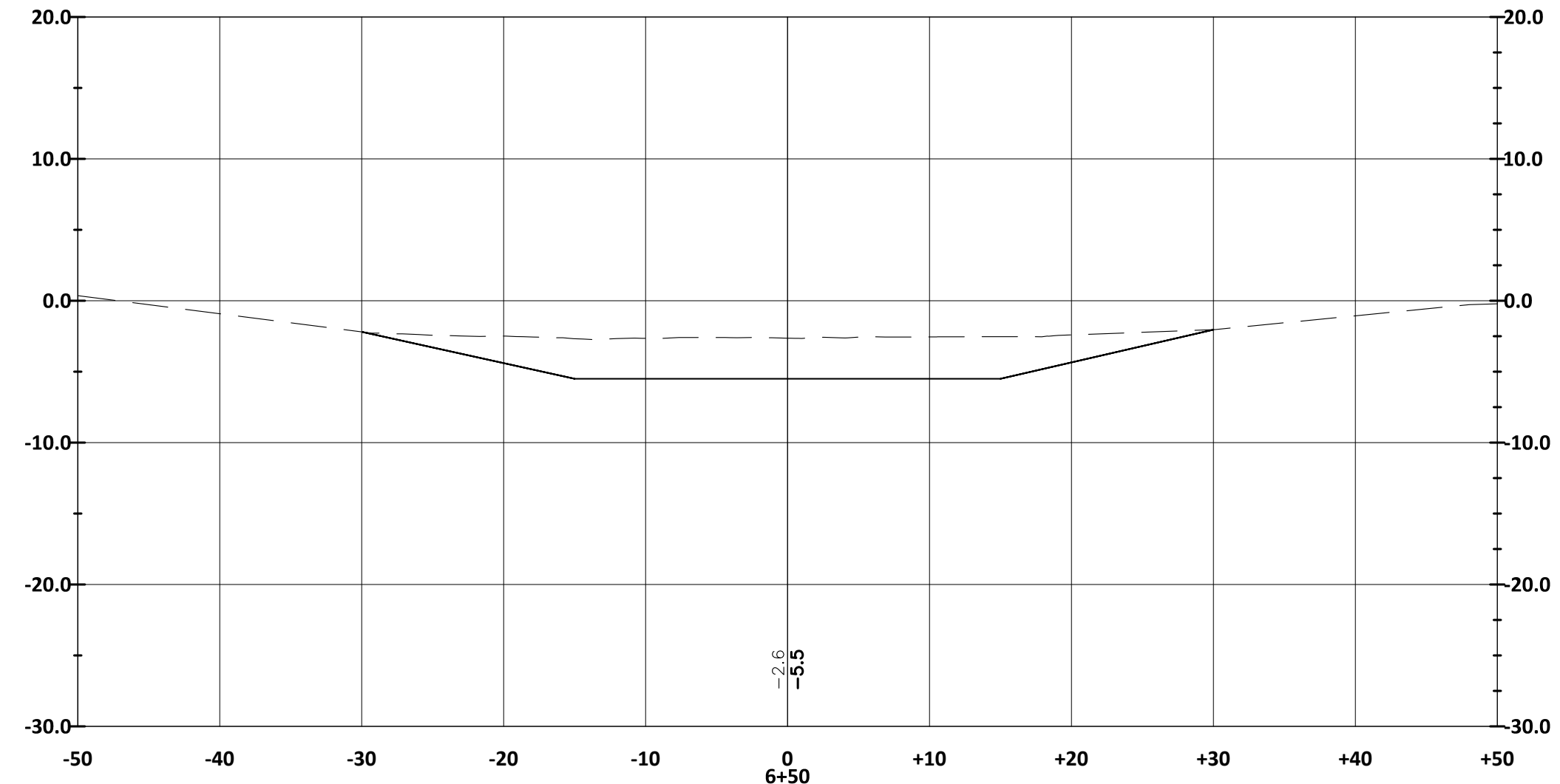
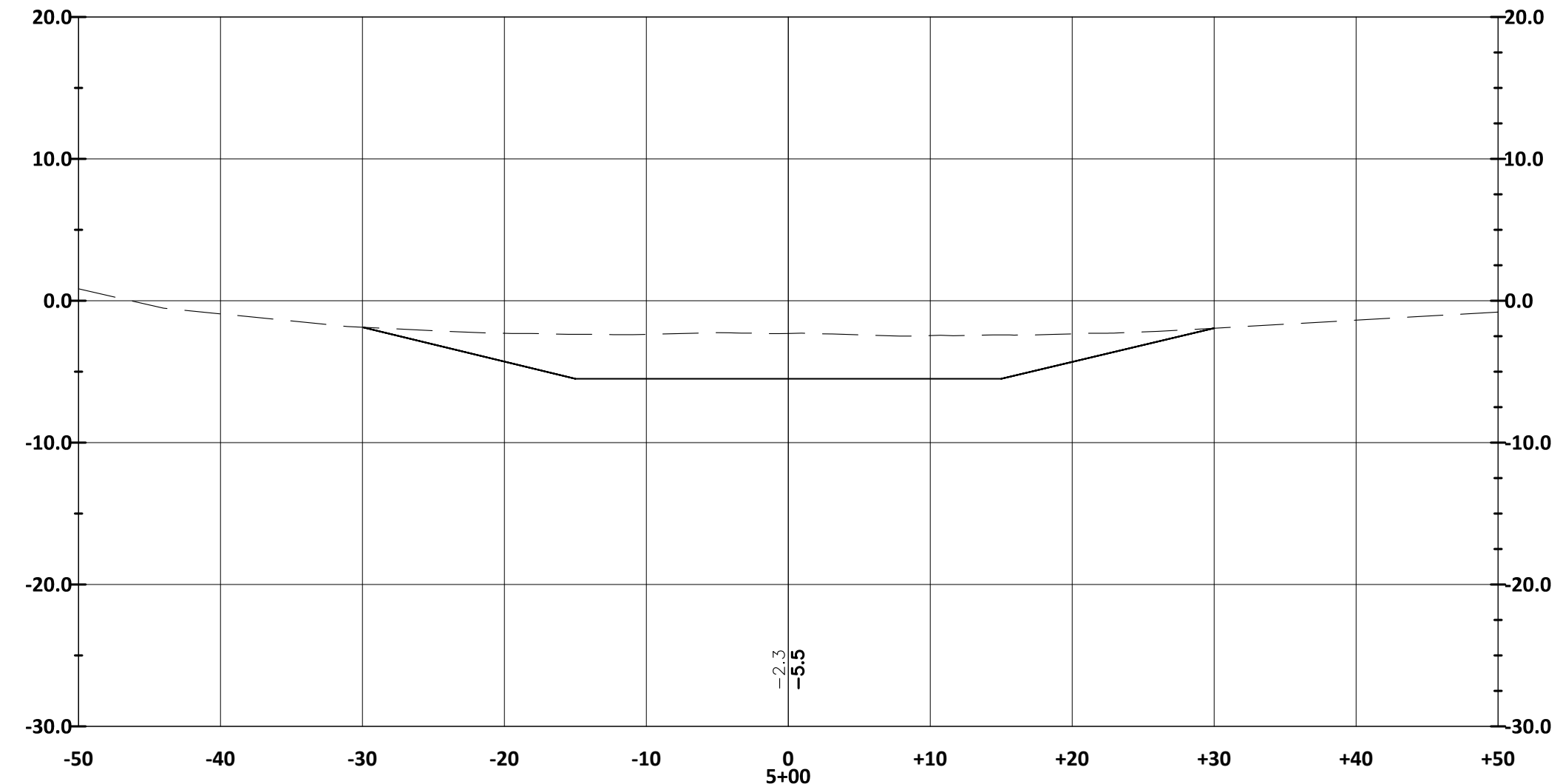
NO	REVISIONS	APP'D	DATE
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PROJECT NO: 20850
 DESIGNED: M.HOFFMAN
 CAD COORD: D.METZ
 CAD: D.METZ
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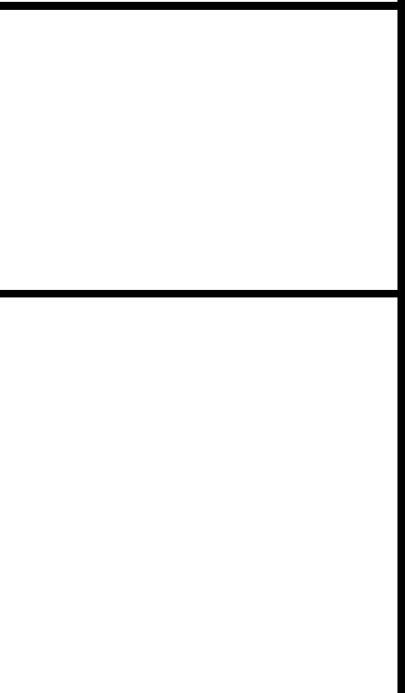
COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS
 CROSS SECTIONS STA 1+00 TO STA 3+50



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

NO	REVISIONS	APPD	DATE
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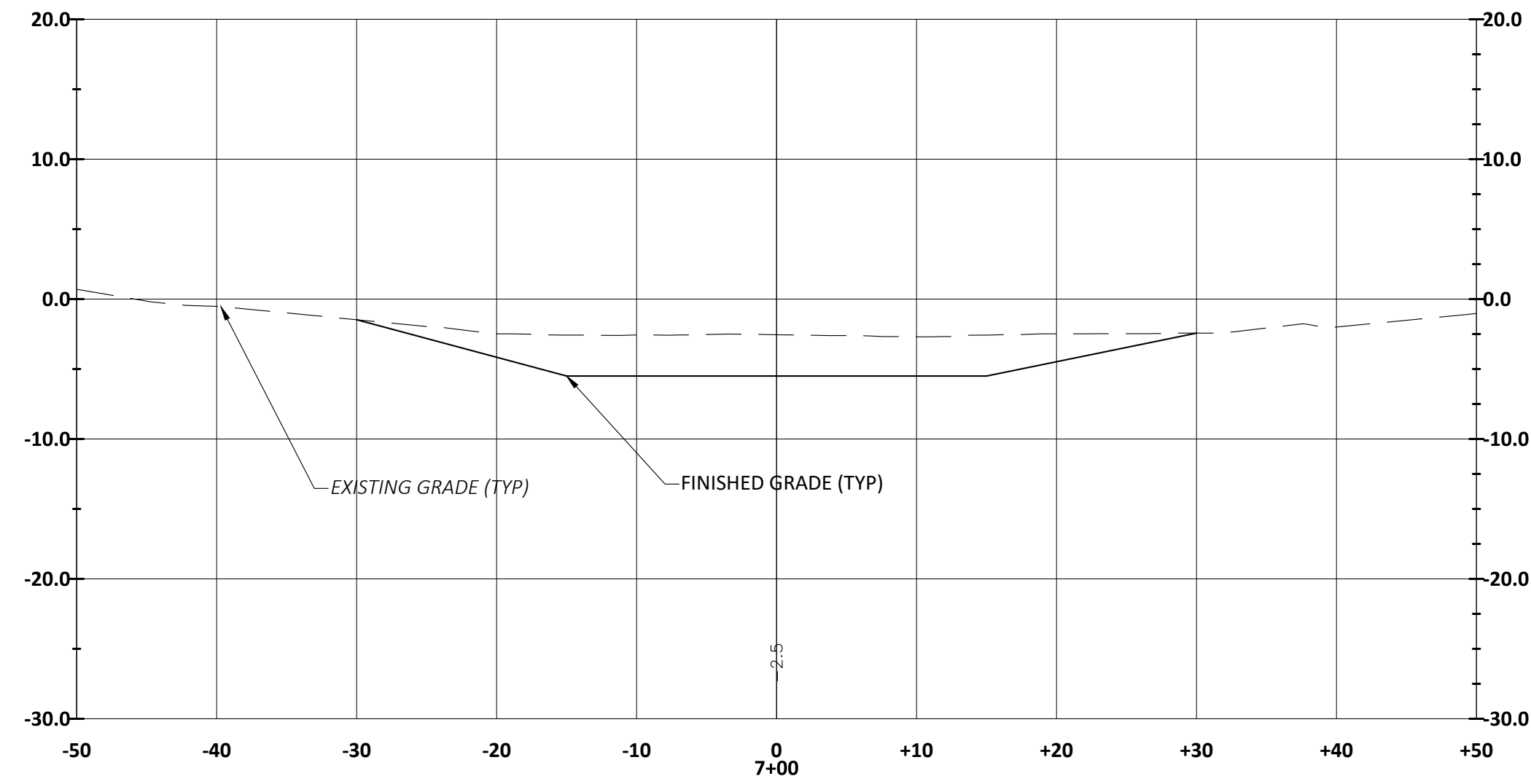
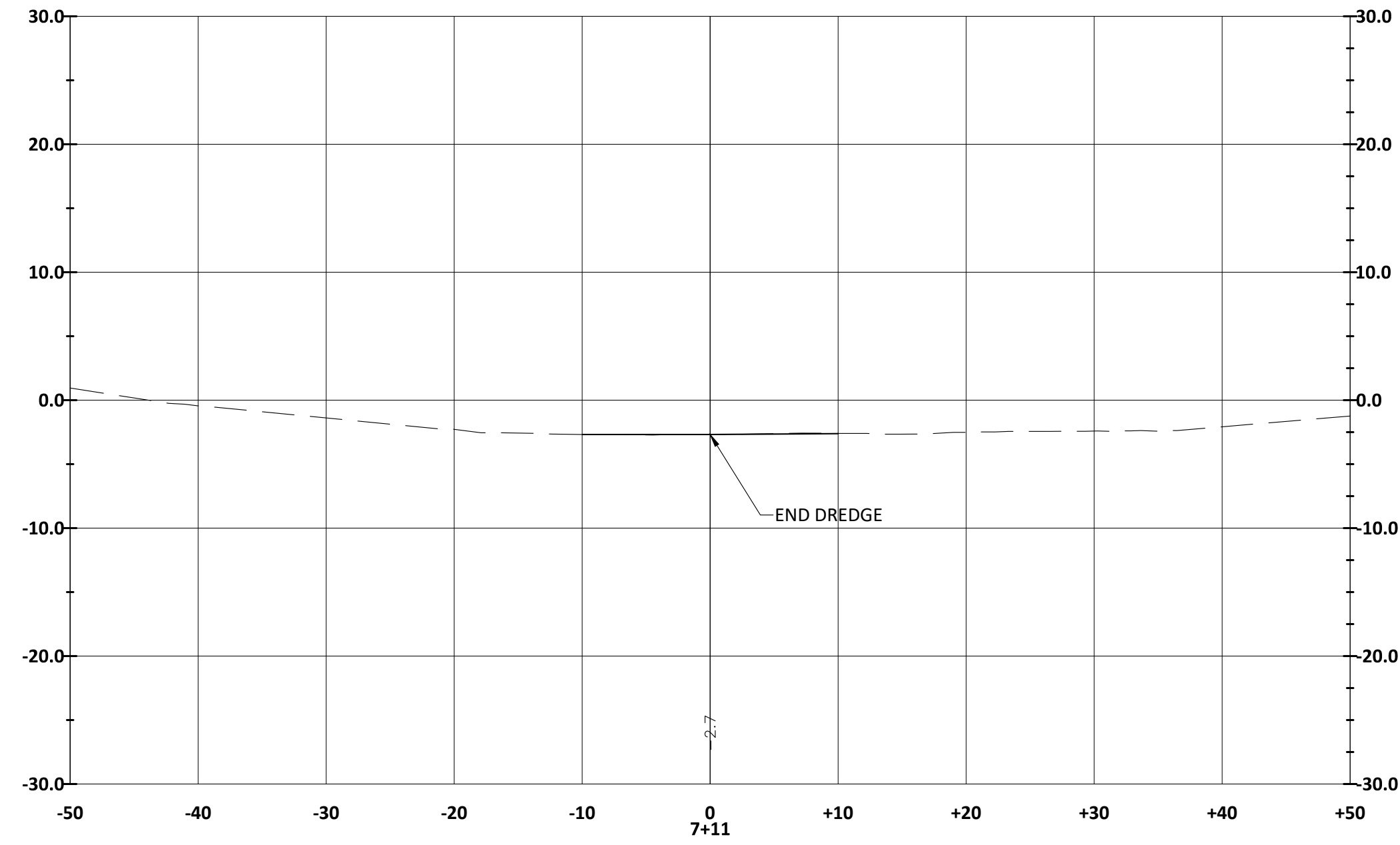
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 CAD COORD: D.METZ
 CAD: D.METZ
 CHECKED: DATE:
 APPROVED: DATE:
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COUNTY OF LEVY, FLORIDA
 SHELL MOUND
 BOAT RAMP IMPROVEMENTS

CROSS SECTIONS STA 4+00 TO STA 6+50

DRAWING
C-5



CROSS SECTIONS

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

NO	REVISIONS	APP'D	DATE
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PROJECT NO: 20850
 DESIGNED: M.HOFFMAN
 CAD COORD: D.METZ
 CAD: D.METZ
 CHECKED:
 DATE:
 APPROVED:
 DATE:
 SUBMISSION: 90% DESIGN

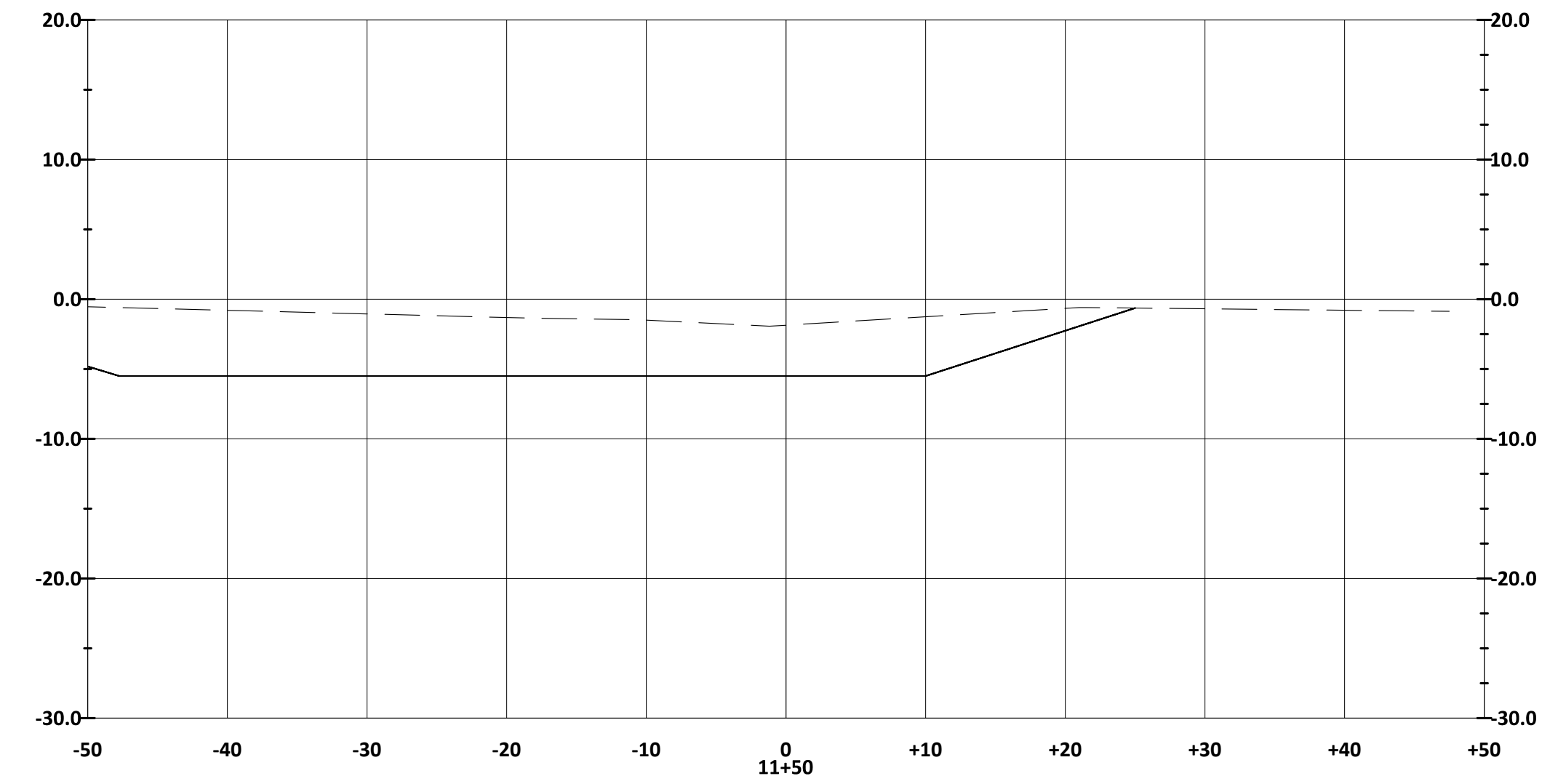
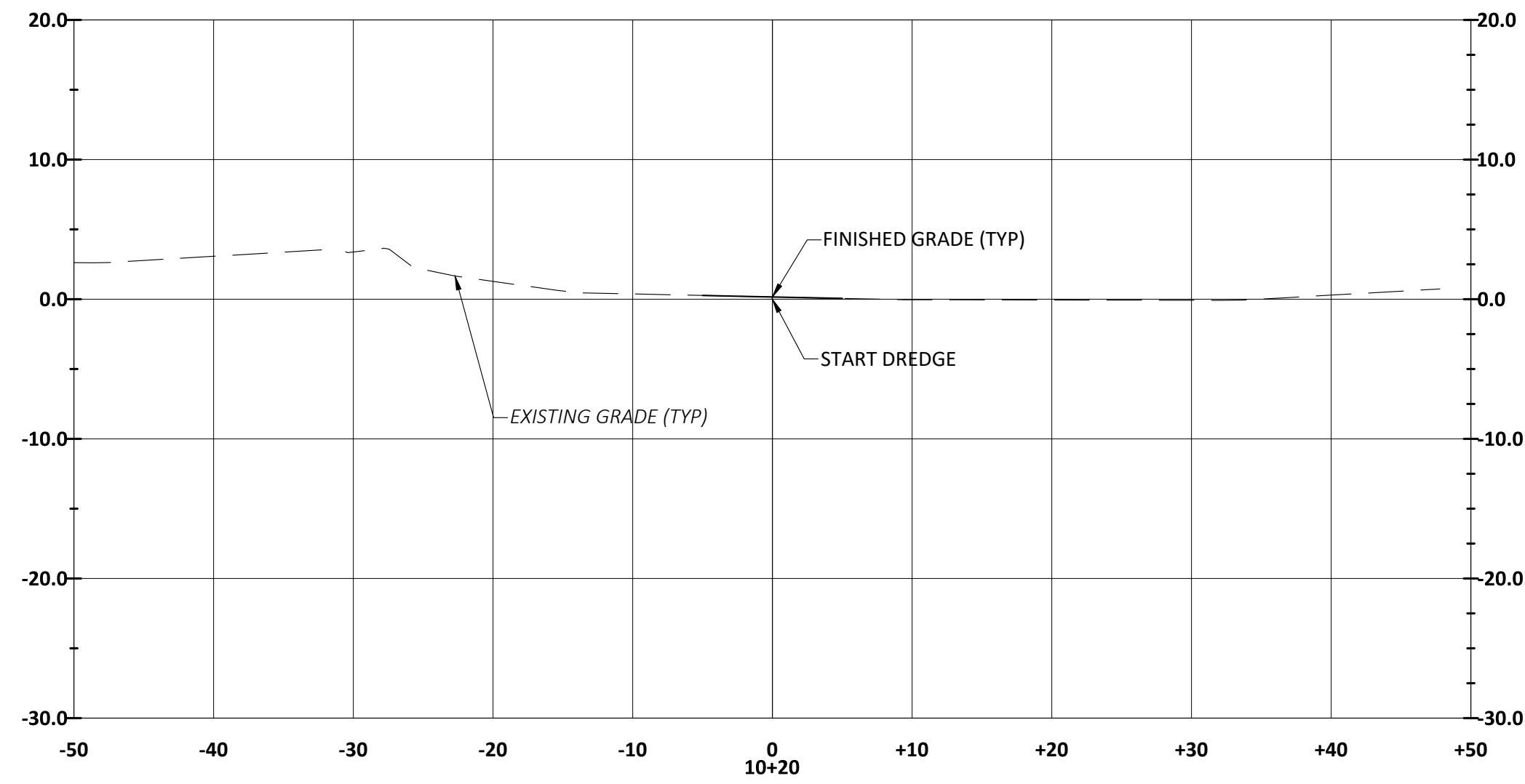
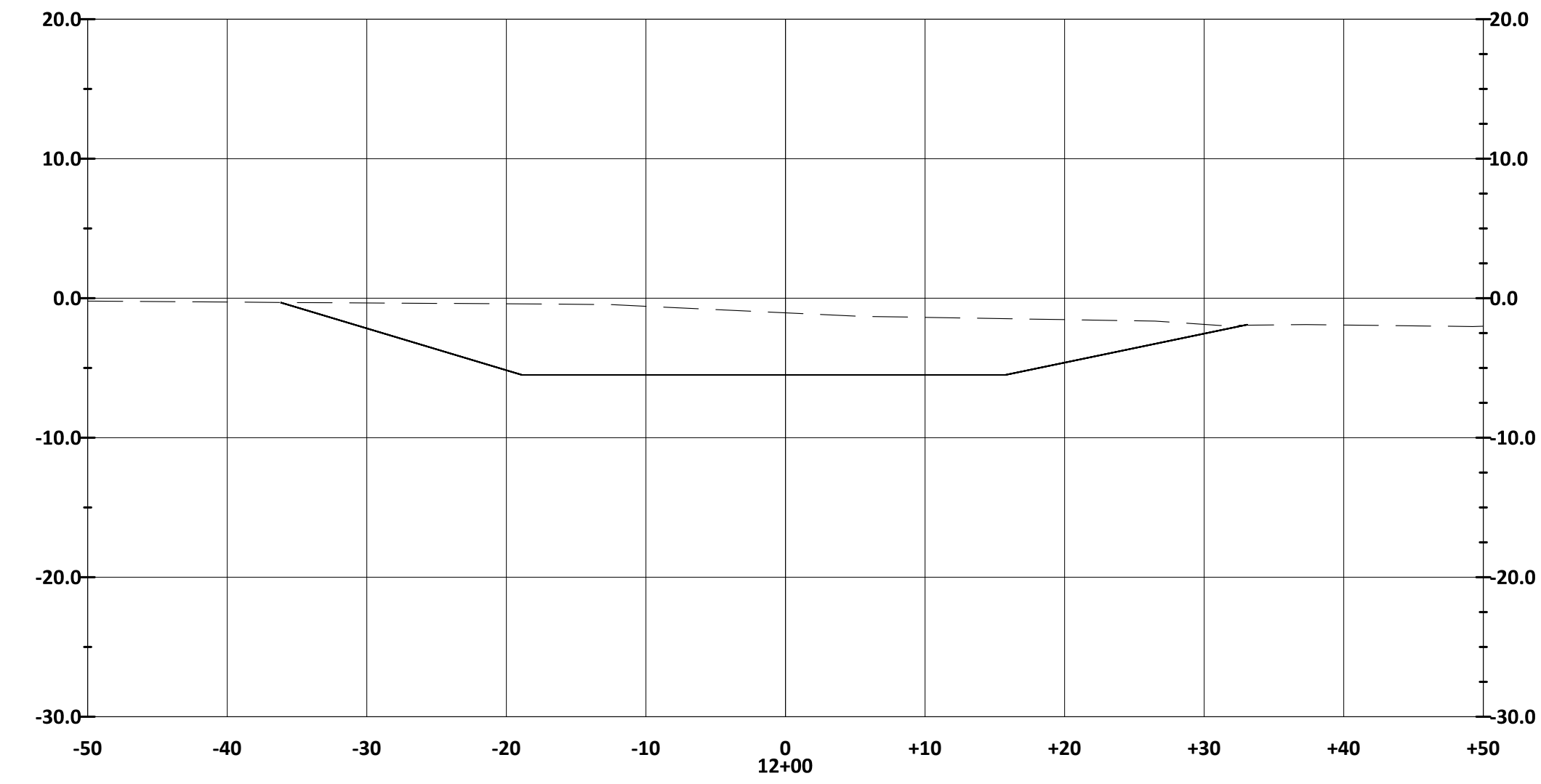
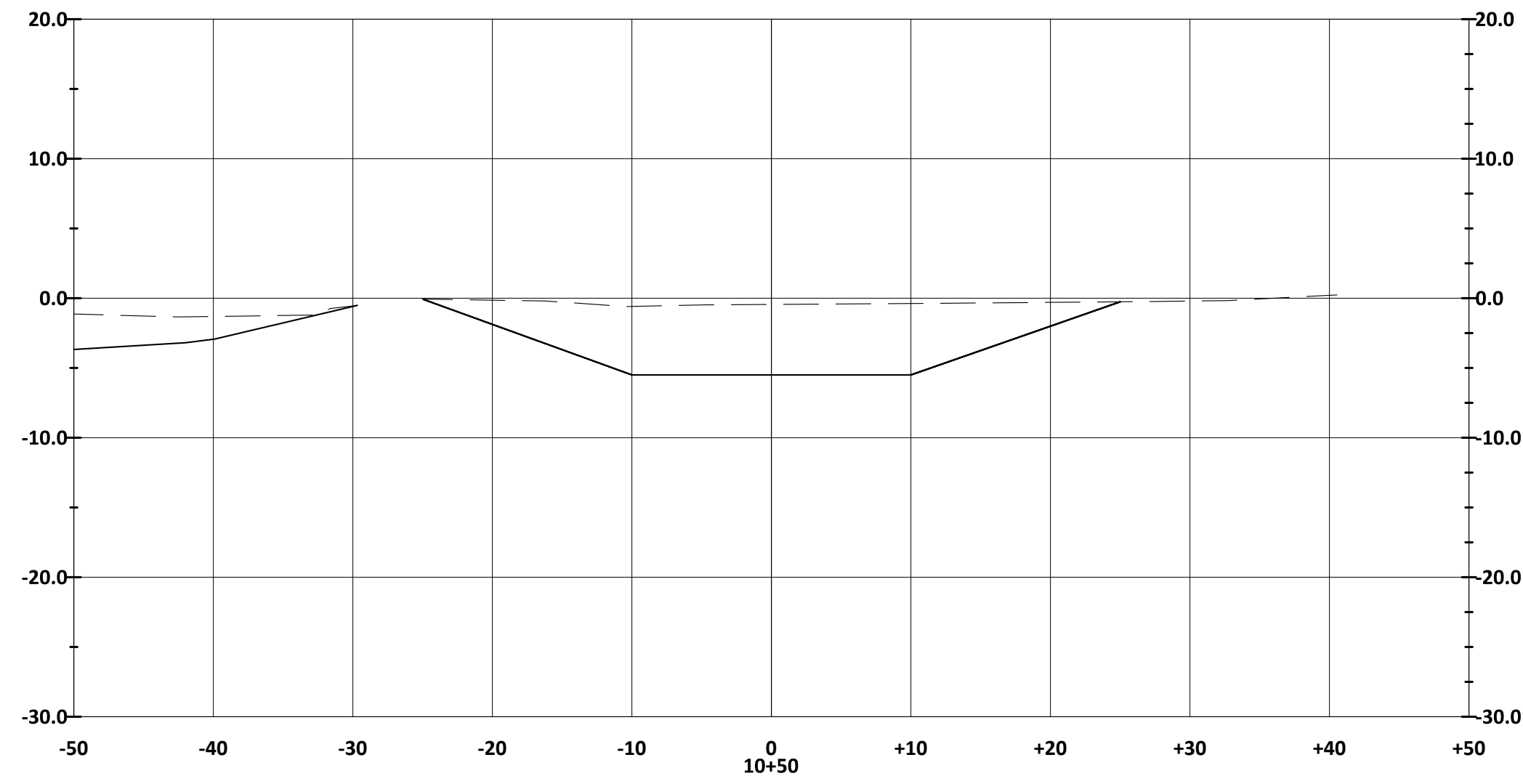
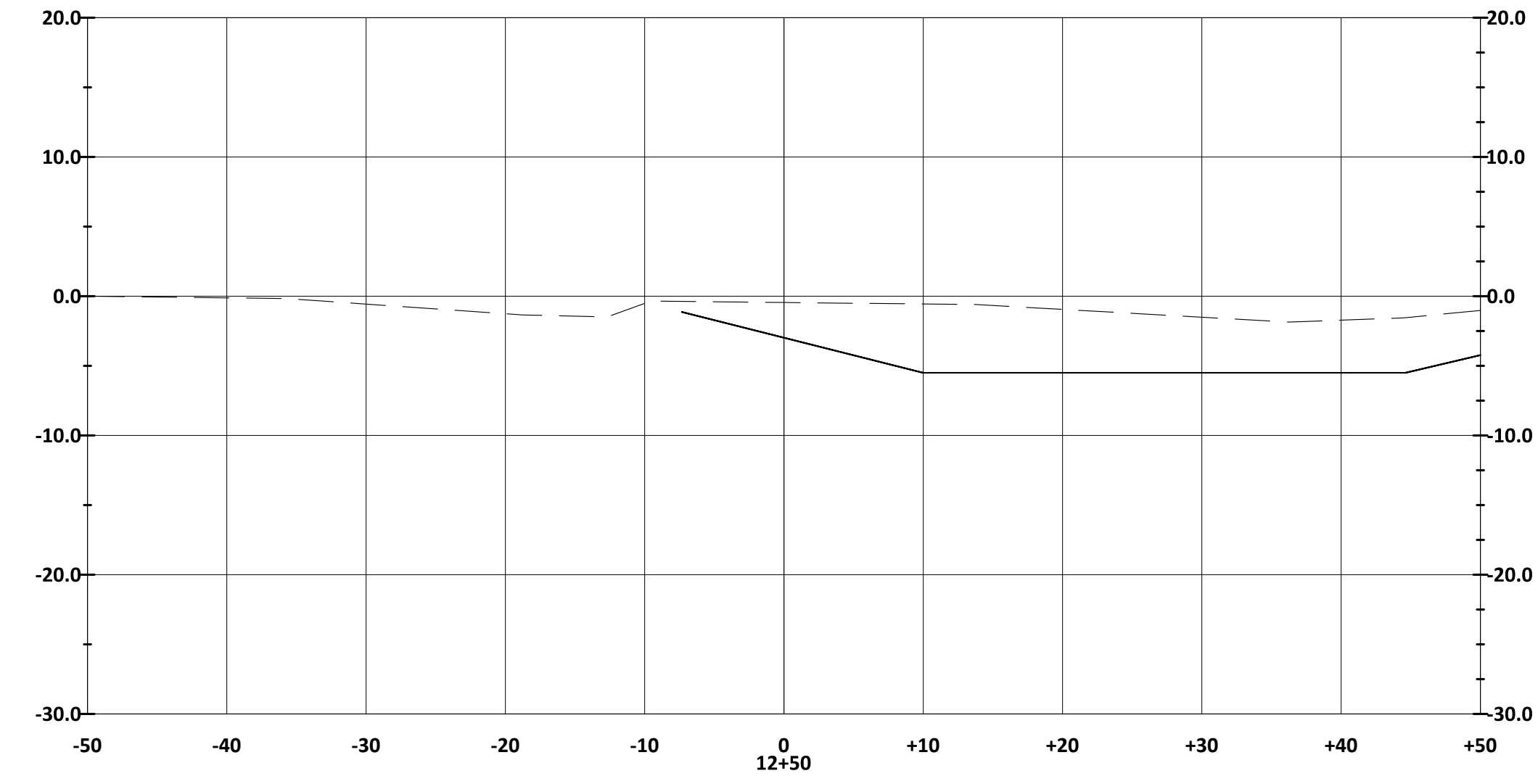
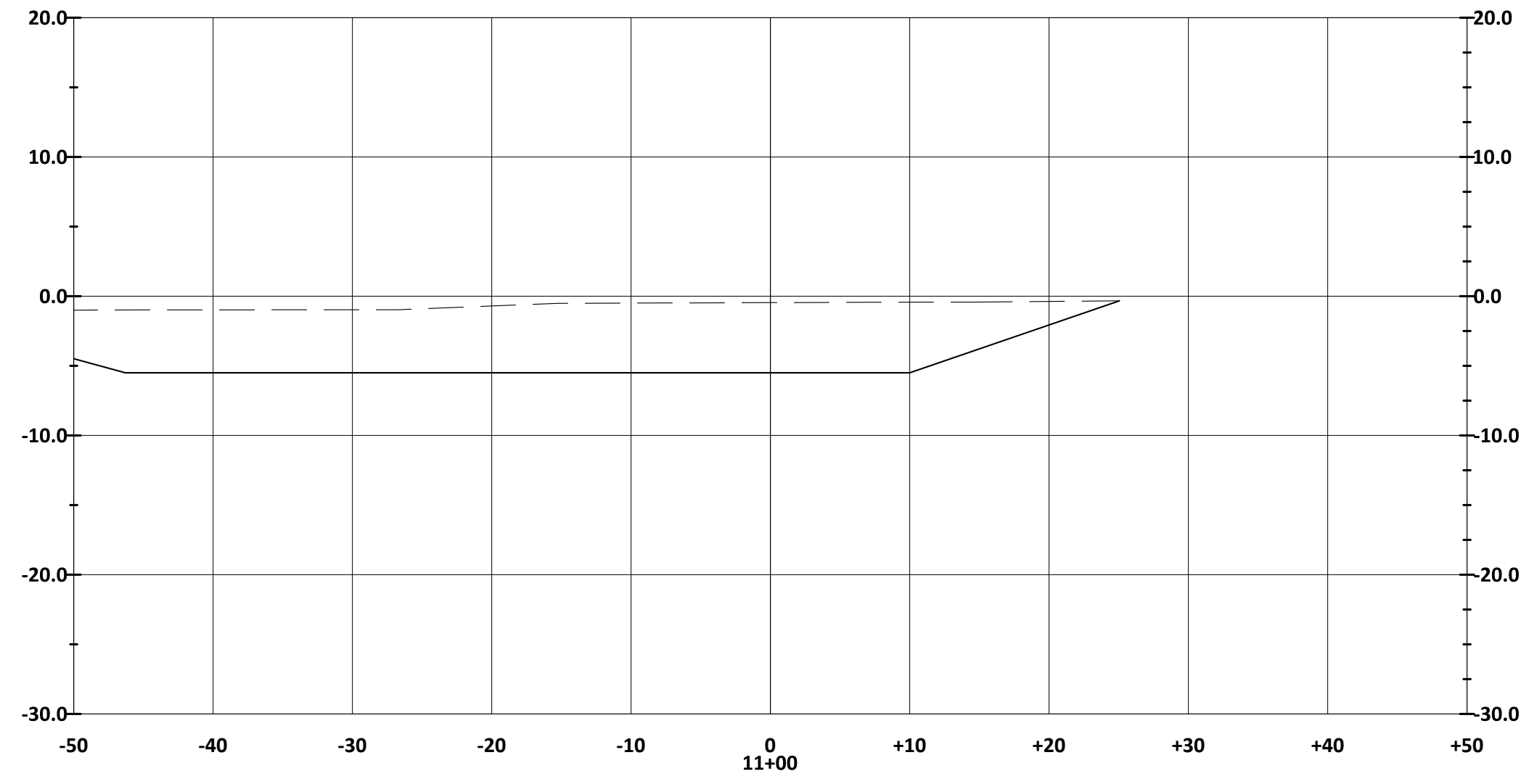


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COUNTY OF LEVY, FLORIDA
SHELL MOUND
BOAT RAMP IMPROVEMENTS

CROSS SECTIONS STA 7+00 TO STA 7+50

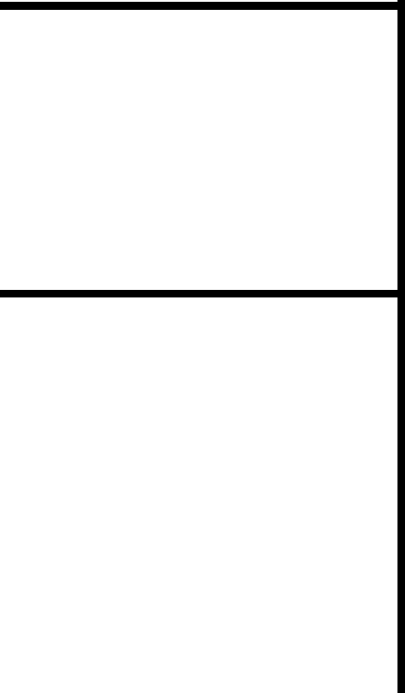
DRAWING
C-6



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

NO	REVISIONS	APPD	DATE
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PROJECT NO: 20850
 DESIGNED: M.HOFFMAN
 CAD COORD: D.METZ
 CAD: D.METZ
 CHECKED: DATE:
 APPROVED: DATE:
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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 = TBD
 CONSTRUCTION OF DEWATERING SYSTEM = TBD
 DREDGING, DEWATERING, AND OFFSITE DISPOSAL OF DREDGED MATERIAL = TBD
 UPLANDS RESTORED TO PRE-CONSTRUCTION CONDITION = TBD
- 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.
 USACE PERMIT SAJ-2022-02574
 ENVIRONMENTAL RESOURCE PERMIT # 38-0425518-001 EI
- 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:

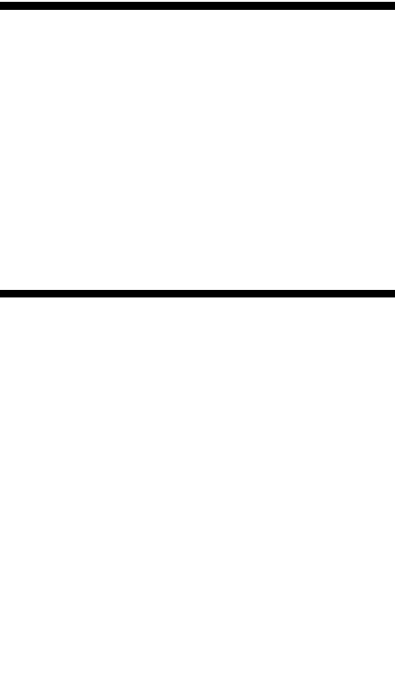
- 1. ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- 2. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
- 3. SILT FENCE WILL BE INSPECTED FOR DEPTH 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:
SUBMISSION: 90% DESIGN	



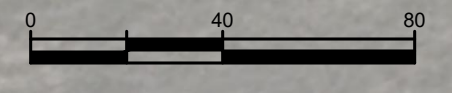
WRIGHT-PIERCE

800.422.1095 | www.wright-pierce.com

3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624

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

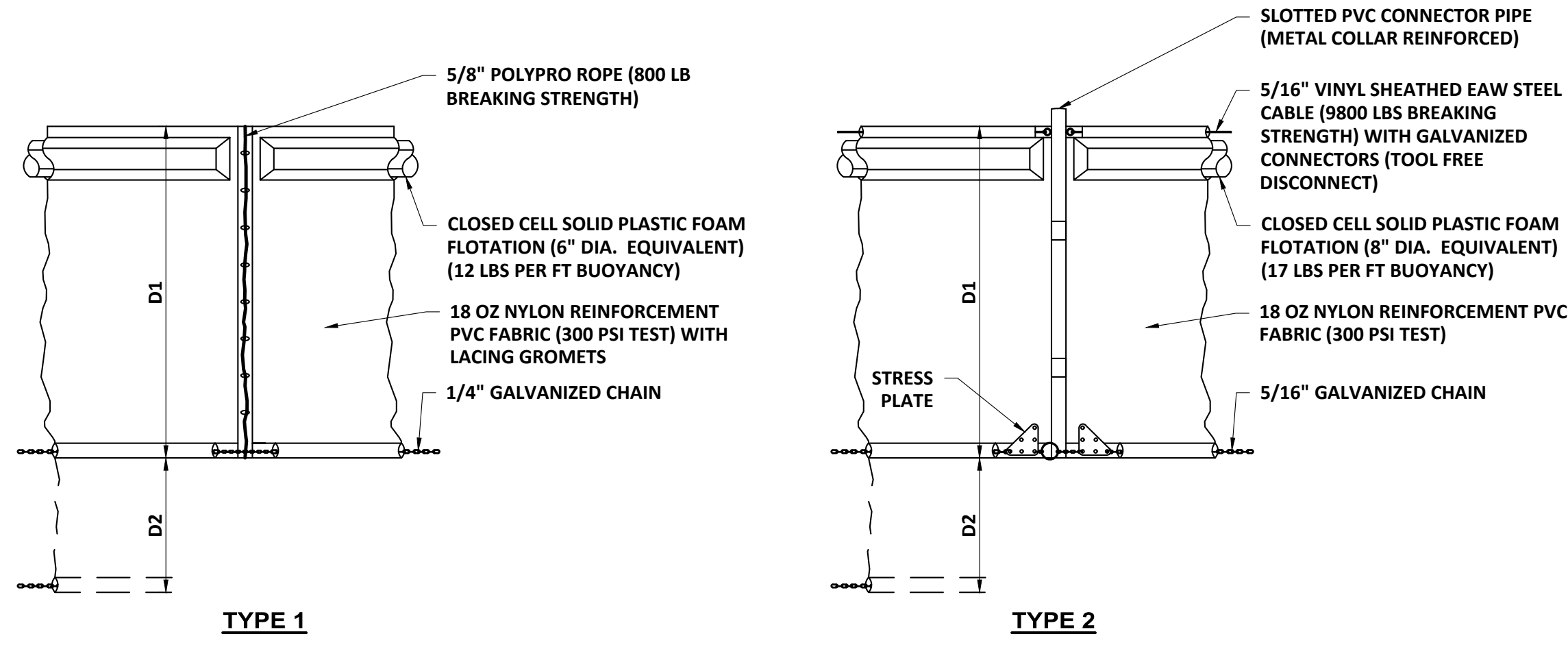
STORMWATER POLLUTION PREVENTION NOTES I



NO	REVISIONS	APPD	DATE

PROJECT NO: 20850	DESIGNED: M.KOFFMAN
CAD COORD: D.METZ	CAD: D.METZ
CHECKED: D.METZ	DATE:
APPROVED:	DATE:
SUBMISSION: 90% DESIGN	

WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624	
COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS	STORMWATER POLLUTION PREVENTION PLAN
DRAWING	C-10



TYPE 1

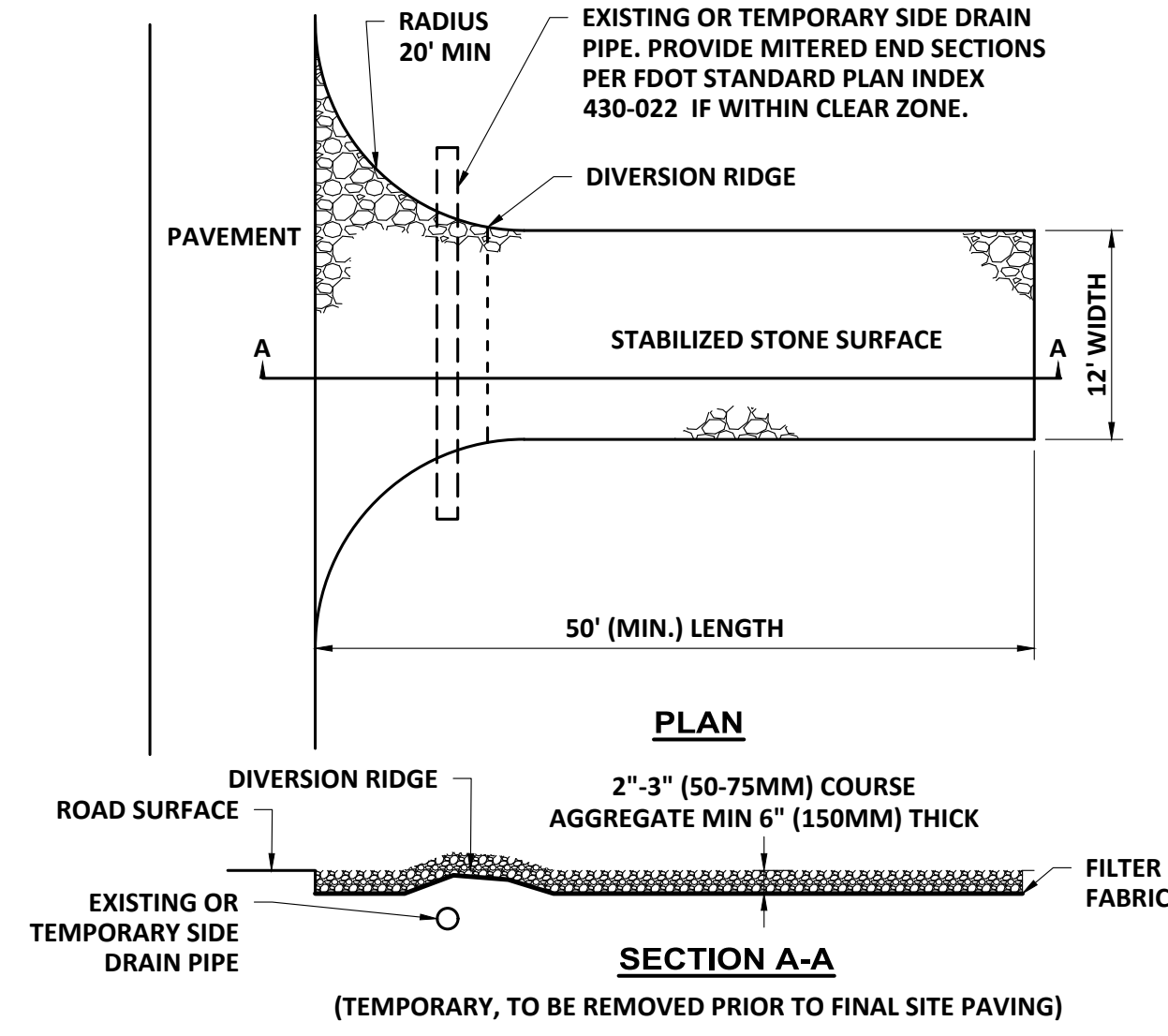
D1 = 5' STD (SINGLE PANEL FOR DEPTHS 5' OR LESS)

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



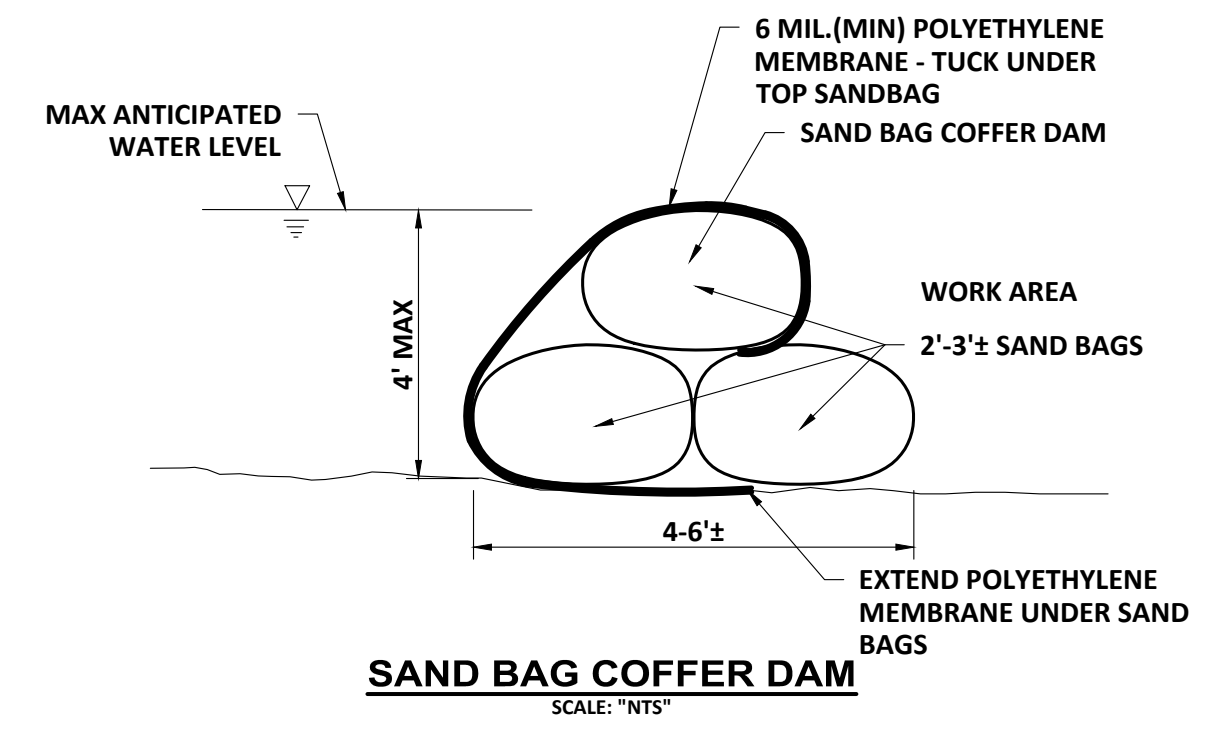
PLAN

SECTION A-A

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

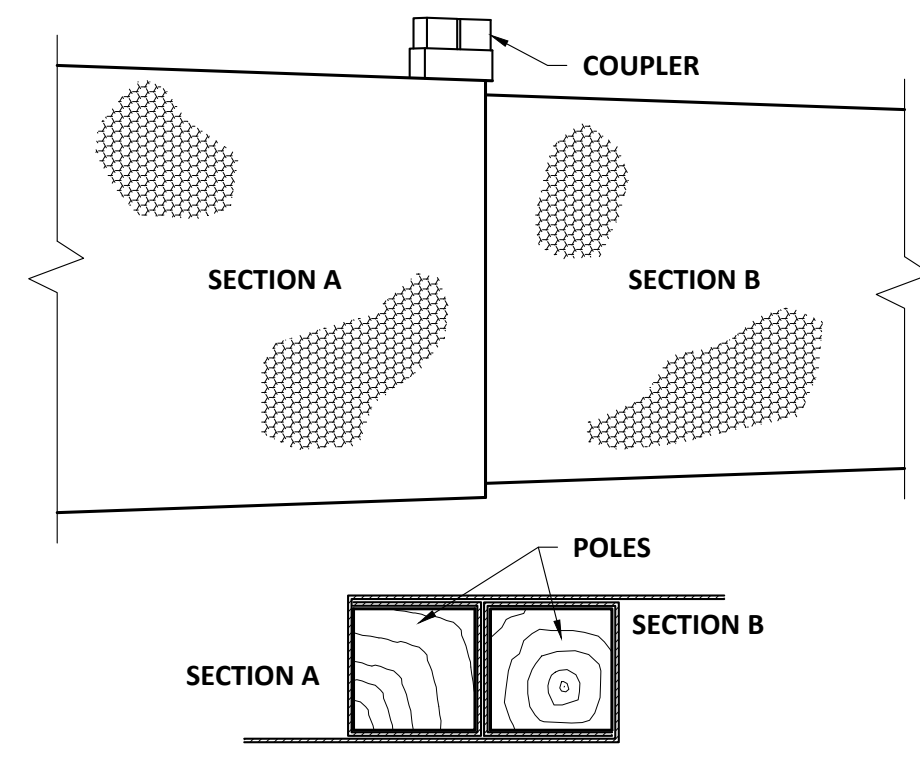
- NOTE:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWINGS OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC 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"

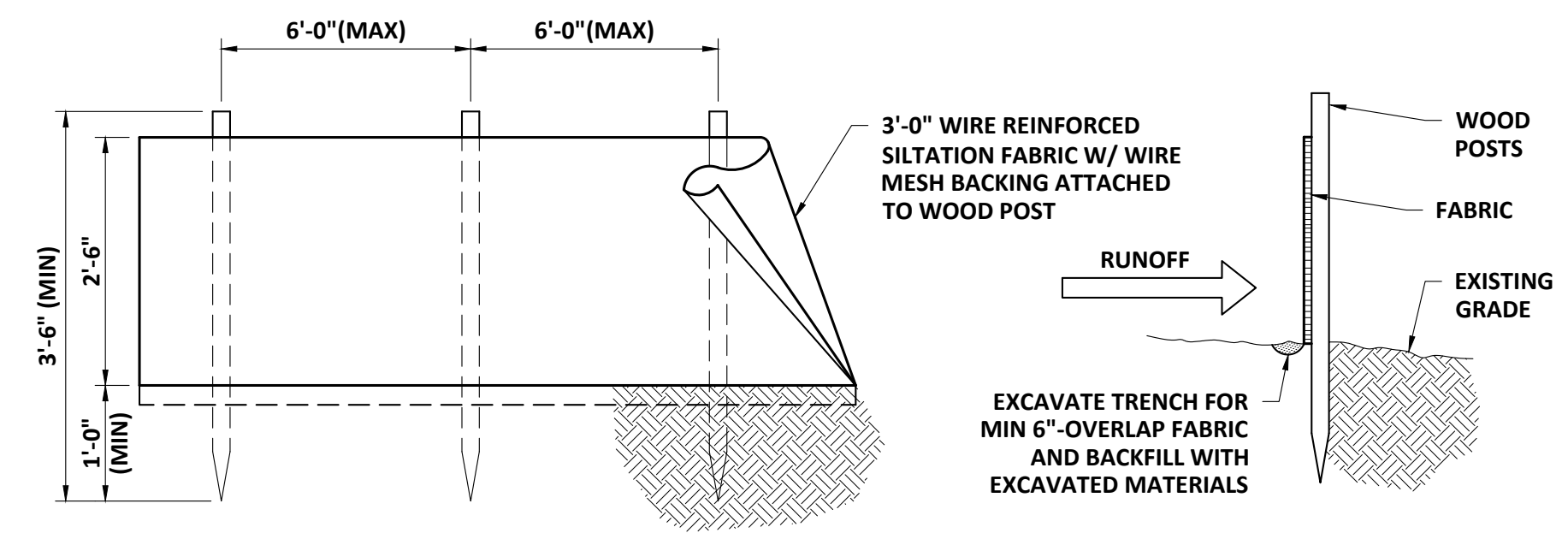


SAND BAG COFFER DAM

SCALE: "NTS"



JOINING SILT FENCE SECTIONS
SCALE: "NTS"



SILT FENCE INSTALLATION DETAIL
SCALE: NTS

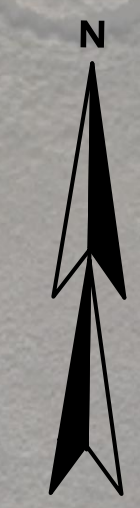
NO	REVISIONS	APPD	DATE

PROJECT NO: 20850	DESIGNED: M.HOFFMAN
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SUBMISSION: 90% DESIGN	

WRIGHT-PIERCE
800.422.1095 | www.wright-pierce.com
3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624

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.

<p>WRIGHT-PIERCE 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 109A, TAMPA, FL 33624</p>		<p>PROJECT NO: 20850 DESIGNED: M.HOFFMAN CAD COORD: D.METZ CAD: D.METZ CHECKED: DATE: APPROVED: DATE: SUBMISSION: 90% DESIGN</p>	<p>NO. REVISIONS</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>																					<p>APPD DATE</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>																				
<p>COUNTY OF LEVY, FLORIDA SHELL MOUND BOAT RAMP IMPROVEMENTS</p>		<p>TRAFFIC MAINTENANCE PLAN</p>																																										
<p>DRAWING</p>		<p>C-12</p>																																										



Support Letters



United States Department of the Interior


U.S. FISH AND WILDLIFE SERVICE

Lower Suwannee & Cedar Keys National Wildlife Refuges
16450 NW 31st 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

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

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 153rd 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.
Ducala 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

Handwritten text, possibly a signature or name, located in the middle section of the page.

Printed text, likely a header or footer, located in the lower section of the page.

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

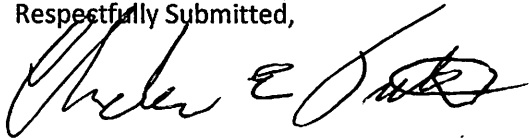
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The proposed improvements will greatly improve safety at the boat ramp and increase recreational use of our beautiful coastal resources. We strongly support the County's application for grant funds to make the necessary improvements.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Charles E. Tuttle". The signature is fluid and cursive, with a large initial "C" and "T".

CHARLES E. TUTTLE
1595 NW 120th Ave
Ocala, FL 34489



WRIGHT-PIERCE 
Engineering a Better Environment

601 South Lake Destiny Road, Suite 290
Maitland, FL 32751
407.906.1776 | www.wright-pierce.com

walter.nickel@wright-pierce.com