



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
4400 PGA BOULEVARD, SUITE 500
PALM BEACH GARDENS, FLORIDA 33410

March 23, 2020

Regulatory Division
South Branch
Palm Beach Gardens Permits Section

PUBLIC NOTICE

Permit Application No. SAJ-2011-00403 (SP-CGK)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403) as described below:

APPLICANT: Florida Fish and Wildlife Conservation Commission
Attn.: Katherine Burke
620 South Meridian Street
Tallahassee, Florida 32399

WATERWAY AND LOCATION: The project would affect waters of the United States associated within Lake Okeechobee, Okeechobee County, Florida 33328.

Directions to the site are as follows: From Okeechobee, FL take US 441 south for 3.3 miles. Turn right onto FL-78 west for 4.9 miles. Turn left onto Bream Avenue. Continue straight onto Lake Okeechobee Scenic Trail. Follow Lake Okeechobee Scenic Trail for 2.5 miles. Destination is on left approximately 2 miles into Lake Okeechobee.

APPROXIMATE CENTRAL COORDINATES:
Latitude: 27.092781° Longitude: -80.859653°

PROJECT PURPOSE:

Basic: The basic project purpose is ecological restoration.

Overall: The overall project purpose is ecological restoration in Lake Okeechobee, Okeechobee County, Florida.

EXISTING CONDITIONS: The project site is along a spoil berm adjacent to where Pearce Canal meets Lake Okeechobee, which is adjacent to marsh wetland habitat as well as shallow freshwater habitat containing tape grass (*Vallisneria spiralis*) beds.

PROPOSED WORK: The proposed project is to remove 1.1 miles of the side cast spoil berm consisting of approximately 28,000 cubic yards of mineral soil material (rock, shell, and sand). The material will be removed to base elevation of the natural lake bottom. Approximately 14,850 cubic yards of the excavated material will be used to construct a

proposed shorebird nesting island within open waters. The proposed shorebird nesting island will be approximately 1.5 acres at a base elevation. The remaining material excavated from the spoil berm removal, approximately 13,150 cubic yards, will be transported to the existing upland spoil area located at Yankee Point.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

- Only clean fill materials will be used
- Erosion control measures will be used during construction
- Removal of the berm will re-establish natural hydrology
- Fill material will be used to create shorebird nesting habitat
- Fill material not used for the shorebird nesting island will be placed in an upland location
- Adherence to the Eastern Indigo Snake and Manatee Construction Conditions during work activities

COMPENSATORY MITIGATION –

The applicant has not proposed mitigation since the project will not result in a loss of aquatic resources.

CULTURAL RESOURCES:

The Corps is not aware of any known historic properties within the permit area. By copy of this public notice, the Corps is providing information for review. Our final determination relative to historic resource impacts is subject to review by and coordination with the State Historic Preservation Officer and if applicable, those federally recognized tribes with concerns in Florida and the Permit Area.

ENDANGERED SPECIES:

The Corps has determined the proposed project may affect, but is not likely to adversely affect the Everglade snail kite (*Rostrhamus sociabilis plumbeus*) and designate critical habitat, Florida bonneted bat (*Eumops floridanus*), eastern indigo snake (*Drymarchon couperi*), West Indian Manatee (*Trichechus manatus*), and wood stork (*Mycteria americana*); and will have no effect on the Florida grasshopper sparrow (*Ammodramus savannarum floridanus*) and Audubon's Crested Caracara (*Caracara plancus audubonii*). The Corps will request concurrence with the U.S. Fish and Wildlife pursuant to Section 7 of the Endangered Species Act:

May affect, not likely to adversely affect:

Everglade snail kite (*Rostrhamus sociabilis plumbeus*): The project is located within the species consultation area, designated critical habitat, and priority

management zone. The project proposed is to impact 1.5 acres of foraging habitat for the snail kite consisting of shallow, open waters for the proposed shorebird island. Additionally, the project will result in the removal of a man-made berm, which would re-establish the area's natural hydrology and create marsh habitat. Temporary construction activities may disturb snail kites, if present in the area. Nesting potential is not likely in this area, as while nesting habitat includes herbaceous vegetation such as sawgrass, cattail, giant bulrush, and reed, the berm is high in elevation than the adjacent marsh. Additionally, no nests have been observed or documented on the berm at this time.

Florida bonneted bat (*Eumops floridanus*): The action area is located within the Florida bonneted bat consultation area. Using the 2019 Consultation key for the Florida bonneted bat, the following pathway results in 1a., 2b., 13a., 14b.; may affect, not likely to adversely affect with programmatic concurrence.

Wood stork (*Mycteria americana*): The action area is located within 12.71 miles of one wood stork nesting colony according to the google earth RAR layers. The site includes temporary periods of ponding which would provide wood stork foraging habitat. Using the 2010 Wood Stork Key, the following pathway results in A, B, C, E; not likely to adversely affect.

Eastern indigo snake (*Drymarchon couperi*): Use of The Corps of Engineers, Jacksonville District and the U.S. Fish and Wildlife's Indigo Snake Key dated 1 August 2017 resulted in a path of A-B-C-D-E, not likely to adversely affect. A determination of "not likely to adversely affect" was made for the Indigo snake includes the special conditions for the Eastern Indigo Snake Protection Measures during construction and the permit will be conditioned such that all gopher tortoise burrows, active or inactive, shall be evacuated via methods pursuant to FWC excavation guidance prior to site manipulation in the vicinity of the burrows. Additionally, holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area with work stopping if an indigo snake is discovered. With an outcome of "not likely to adversely affect (NLAA)" as outlined in the key, the requirements of Section 7 of the Endangered Species Act are fulfilled for the eastern indigo snake and no further action is required.

West Indian Manatee (*Trichechus manatus*): Since the proposal by the applicant is for in-water construction, potential impacts to the threatened West Indian manatee were evaluated using The Corps of Engineers, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, April 2013 and associated 2019 Addendum (Key). Use of this Key produced the sequential determination A-B-C-G-N-O-P-Paragraph 5 - may affect, not likely to adversely affect (MANLAA). This determination is based on the applicant implementing the "Standard Manatee Conditions for In-Water Work, 2011." The project is not located

within manatee designated critical habitat, important manatee areas, or warm water aggregation areas.

No effect:

Florida grasshopper sparrow (*Ammodramus savannarum floridanus*): The project is located within the species consultation area. Habitat for the Florida grasshopper sparrow has been described as dry prairie that is relatively open and low in stature. The habitat consists of treeless, relatively poorly-drained grasslands that have a history of frequent fires. The prairie vegetative community is typically dominated by saw palmetto and dwarf oaks. The project is located in open water and not in any of the above types of habitats, therefore the Corps has determined that the project will have no effect on the species

Audubon's Crested Caracara (*Caracara plancus audubonii*): The project is located within the species consultation area. The project is in open water does not include the species nesting or foraging habitat which consists of large expanses of pastures, grasslands, or prairies dotted with numerous shallow ponds and sloughs and single or small clumps of live oaks, cabbage palms, and cypress, therefore the Corps has determined that the project will have no effect on the species.

ESSENTIAL FISH HABITAT (EFH): This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. The site is located within Lake Okeechobee. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries in the South Atlantic Region. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line has been verified by Corps personnel.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

EFFECTS ON CORPS CIVIL WORKS PROJECTS: Pursuant to Section 14 of the Rivers and Harbors Act (33 USC 408), the Corps' Regulatory Division will coordinate with the Corps' Engineering Division to determine whether or not the proposed project will impact a Corps' Civil Works project, and whether or not 408 approval is required.

COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410 within 21 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

QUESTIONS concerning this application should be directed to the project manager, Christian Karvounis, in writing at the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410; by electronic mail at Christian.G.Karvounis@usace.army.mil; or, by telephone at (561)-472-3508.

IMPACT ON NATURAL RESOURCES: Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The US Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above.

Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

COASTAL ZONE MANAGEMENT CONSISTENCY: In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.



PROJECT LOCATION

N.T.S.

28.391797°N
81.724664°W

LAKE OKEECHOBEE

SOUTH REGION

OKEECHOBEE
COUNTY

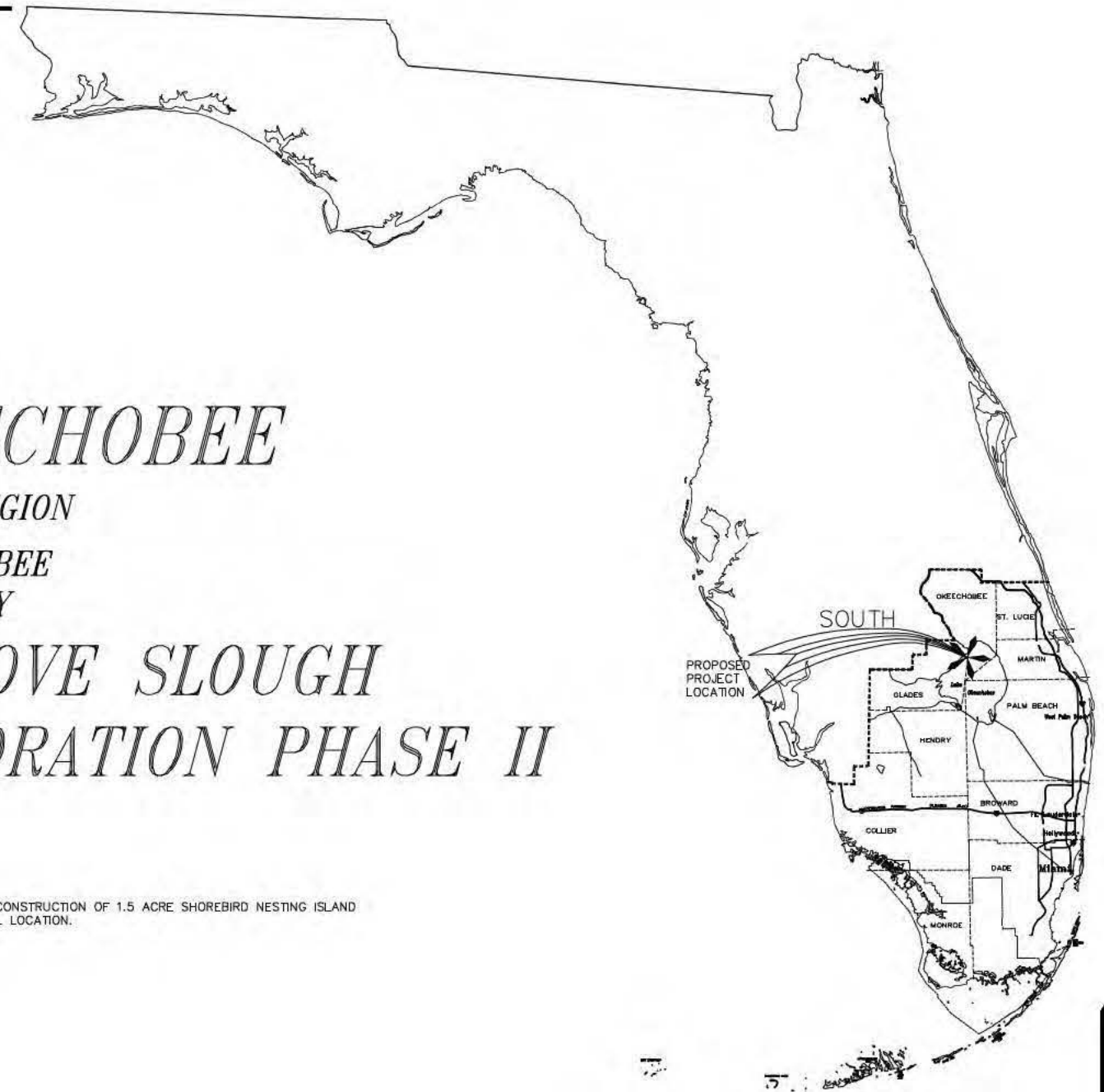
TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II

SCOPE OF PROJECT

REMOVAL OF 5,880 LINEAR FEET OF THE PEARCE CANAL BERM IN LAKE OKEECHOBEE. CONSTRUCTION OF 1.5 ACRE SHOREBIRD NESTING ISLAND USING EXCAVATED MATERIAL AND HAULING REMAINING MATERIAL TO SPECIFIED DISPOSAL LOCATION.

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LAKE OKEECHOBEE
TIN HOUSE COVE SLOUGH RESTORATION PHASE II

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

620 South Meridian Street
Tallahassee, FL 32399-1600
(850) 921-9931

INITIAL ISSUE DATE		12/5/19
SYMBOL	REVISION	DATE

PLANS PRINT TO SCALE ON 22"x34" SHEETS
AND TO HALF SCALE ON 11"x17" SHEETS

FWC PROFESSIONAL ENGINEER

Taylor S. Krall
83280

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELEVANT COUNTY STANDARDS AND REQUIREMENTS.
2. ELEVATIONS BASED ON SURVEY PROVIDED BY MANUEL G. VERA & ASSOCIATES, INC. AND DATED 05/16/13. PHONE 305-221-6210.
3. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO BIDDING AND INCLUDING ALL SERVICES, EQUIPMENT, AND MATERIALS NECESSARY FOR CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM HIS OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE OWNER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION/REQUIREMENTS.
6. ANY POTENTIAL IRRIGATION OR DEWATERING WATER RESOURCE ISSUES MUST BE PERMITTED THROUGH THE WATER MANAGEMENT DISTRICT PRIOR TO INITIATING IRRIGATION OR DEWATERING ACTIVITIES FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THESE PERMITS, IF NECESSARY.
7. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM, IN THE FIELD, THE LOCATIONS AND ELEVATIONS SHOWN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PROVIDED SURVEY INFORMATION TO HIS SATISFACTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER VERTICAL AND HORIZONTAL ALIGNMENT OF CONSTRUCTED FACILITIES, PIPELINES, AND FINISHED GRADE.
8. THE CONTRACTOR SHALL NOT PROVIDE ACCESS TO PARTIES OTHER THAN THOSE PERFORMING ACTIVITIES ASSOCIATED WITH THIS PROJECT.
9. SITE SECURITY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. FENCING OF THE CONSTRUCTION AREA AND STAGING AREA OR ANY OTHER SECURITY MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT PERSONAL INJURY, THEFT OF SUPPLIES OR EQUIPMENT, AND DAMAGES.
10. THERE SHALL BE NO SUBSTITUTIONS OF PRODUCTS, MATERIALS, OR SPECIFICATIONS WITHOUT PRIOR APPROVAL BY THE FWC PROJECT MANAGER.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MANUFACTURED PRODUCTS TO THE FWC PROJECT MANAGER FOR APPROVAL.
12. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".

ASBUILTS

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRODUCE, SUBMIT, AND OBTAIN APPROVAL OF REPRODUCIBLE "AS-BUILT" DRAWINGS FOR JURISDICTIONAL AGENCIES AS MAY BE REQUIRED.
2. "AS-BUILT" INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE ONE COPY SIGNED AND SEALED BY A FLORIDA REGISTERED SURVEYOR AND THE AUTOCAD FILE OF AS-BUILT DRAWINGS TO THE OWNER.
3. AS-BUILT DRAWINGS SHALL INCLUDE FINAL ELEVATIONS DEPICTED ON 1FT CONTOURS.

MEETINGS

1. THE OWNER SHALL BE GIVEN A MINIMUM FOUR (4) DAYS NOTICE OF ALL MEETINGS AND OR TESTING MEASURES RELATED TO PROJECT.
2. THERE SHALL BE A MINIMUM FOUR (4) DAYS NOTICE GIVEN FOR SCHEDULING THE FINAL INSPECTION. THE FINAL INSPECTION CANNOT BE SCHEDULED PRIOR TO THE SUBMITTAL OF THE ASBUILT DRAWINGS AND THE AUTOCAD FILE SHOWING THE REQUIRED INFORMATION SHALL BE SUBMITTED TO THE OWNER.

EROSION CONTROL

1. CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE EROSION AND TURBIDITY CONTROLS DURING AND FOLLOWING CONSTRUCTION UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFF-SITE PROPERTY AND DRAINAGE SYSTEMS.
2. ALL SEDIMENT AND EROSION CONTROL MEASURES TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, WETLANDS, AND WATERWAYS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS REGARDLESS OF THE MEASURES SHOWN OR NOT SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL PROVIDE A TEMPORARY WATER SERVICE OR WATER TRUCK FOR WASH-DOWN OF VEHICLES LEAVING THE PROJECT SITE IF NECESSARY.
4. CONTRACTOR IS RESPONSIBLE FOR FINAL CONDITIONS THAT PREVENT EROSION. CURLEX NET-FREE BIODEGRADABLE EROSION CONTROL FABRIC (OR EQUAL) MAY BE USED WHERE APPROVED BY THE FWC PROJECT MANAGER.

SENSITIVE AREAS

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACTIONS AND DAMAGES CAUSED BY THEIR PERSONNEL WHILE ON STATE-OWNED LAND. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR DAMAGE OR DESTRUCTION TO STATE-OWNED, LEASED, OR MANAGED PROPERTY OR EQUIPMENT CAUSED BY THE CONTRACTOR'S EMPLOYEES OR SUBCONTRACTORS. THIS INCLUDES DAMAGE TO EXISTING ROADWAYS, CULVERTS, GATES, TREES, NATIVE VEGETATION, WILDLIFE, AND OTHER NATURAL RESOURCES AND EQUIPMENT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF THE POLLUTION OF NATURAL AREAS BY FUEL, OILS, CHEMICALS, OR OTHER HARMFUL MATERIALS.

CONSTRUCTION ACTIVITIES

1. USE OF ANY MATERIALS CLASSIFIED BY THE USDA AS UNSUITABLE SHOULD NOT BE USED AS FILL SOIL UNLESS A METHOD OF MAKING THE MATERIAL SUITABLE IS APPROVED BY THE CLIENT.
2. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY DEMOLISHED MATERIALS FROM THE SITE AND DISPOSING THEM IN A LEGAL MANNER.

SPILL PREVENTION AND CONTROL

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 STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

- SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
- STORE ONLY ENOUGH MATERIAL ON-SITE FOR PROJECT COMPLETION.
- ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
- ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
- PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
- ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS:

- MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
- PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES:

- PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON-SITE.
- THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

SPILL CONTROL PRACTICES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- SPILL CLEANUP INFORMATION SHALL BE POSTED ON-SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
- THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: CLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
- ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
- WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
- TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
- AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
- THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

620 South Meridian Street
Tallahassee, FL 32399-1600
(850) 921-9931

INITIAL ISSUE DATE		12/5/19
SYMBOL	REVISION	DATE

DESIGNER:
TSK

DRAWN BY:
TSK

COMP. FILE No.:

STATE PROJECT No.:

PROFESSIONAL REGISTRATION

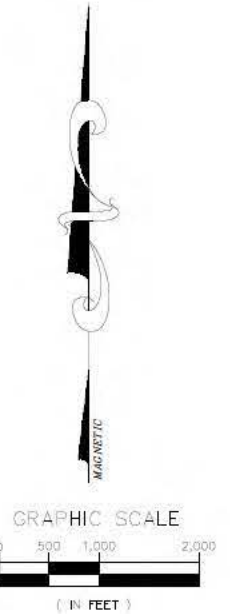
Taylor S. Krell
83280

LAKE OKEECHOBEE

SHEET TITLE
GENERAL NOTES

PROJECT TITLE
TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II

SHEET NO.
G100



- LEGEND:**
- ACCESS/TRUCKING ROUTE
 - MINERAL SOIL DISPOSAL AREA
 - ORGANIC SOIL DISPOSAL AREA
 - BERM REMOVAL

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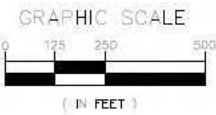
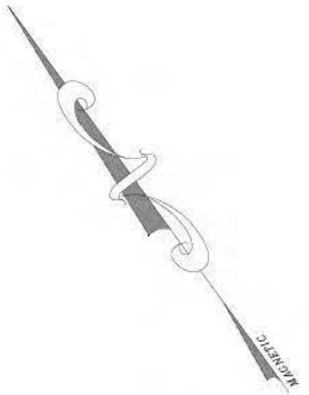
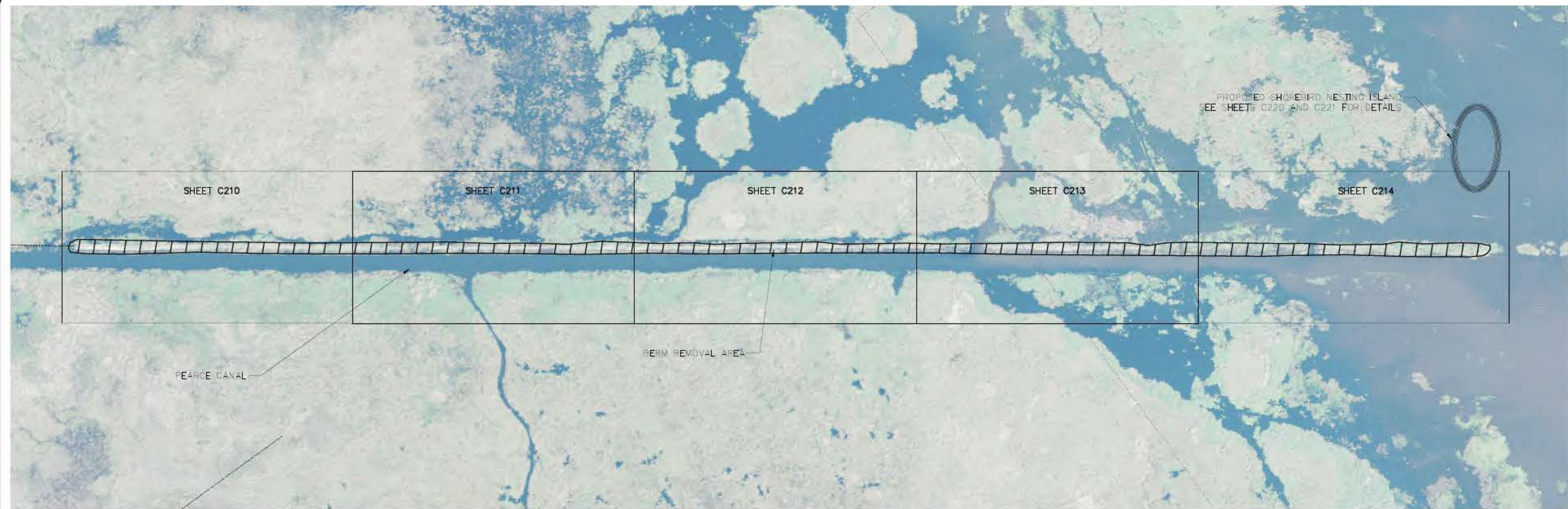
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Taylor S. Kroll
83280

SHEET TITLE		LAKE OKEECHOBEE PROJECT OVERVIEW
PROJECT TITLE		TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION, PHASE II
SHEET NO.		C200



LEGEND:

 BERM REMOVAL

ESTIMATED QUANTITIES

BERM REMOVAL

ESTIMATED CUT: 27,959 CUBIC YARDS
TOTAL LENGTH: 5,880 FEET
PROPOSED GRADE: 10.0 FT NAVD88

PROPOSED SHOREBIRD NESTING ISLAND

ESTIMATED FILL: 14,833 CUBIC YARDS
AREA AT BASE: 1.5 ACRES
AREA AT TOP: 1.0 ACRES
BOTTOM ELEVATION: 10.0 FEET NAVD88
TOP ELEVATION: 17.0 FEET NAVD88

MATERIAL TO DISPOSAL SITE

ESTIMATED VOLUME: 13,126 CUBIC YARDS
HAULING DISTANCE: 4-5 MILES

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION

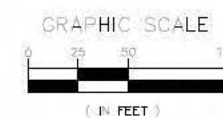
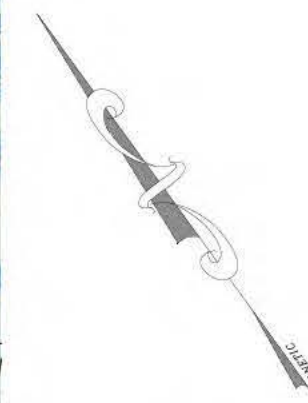
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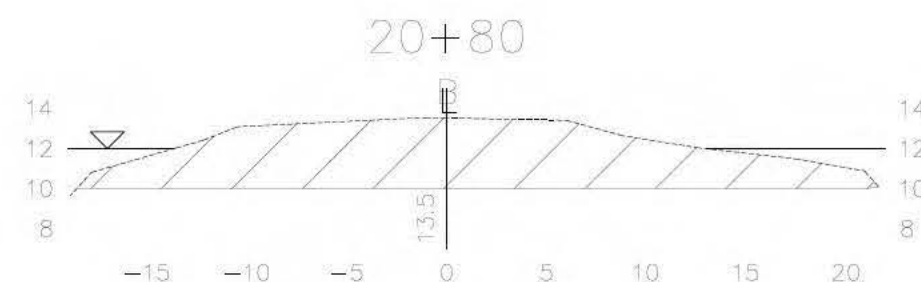
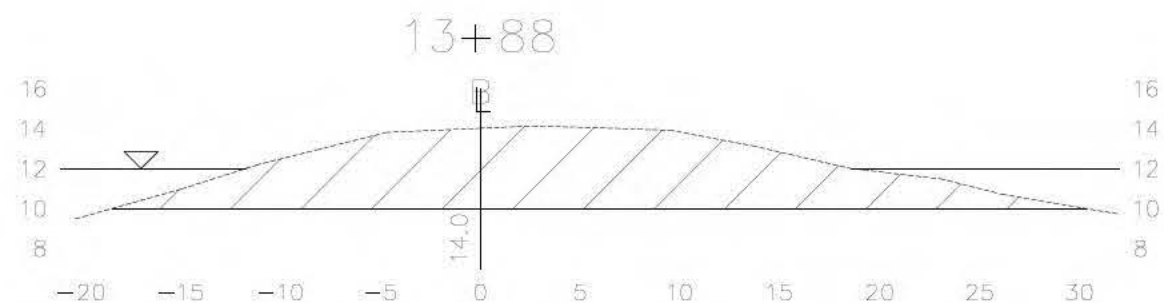
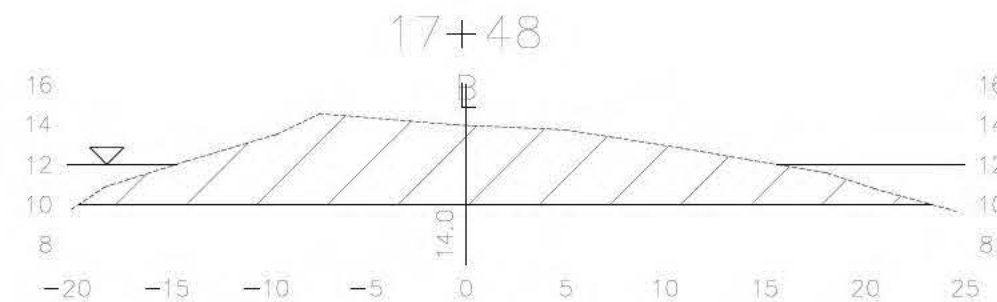
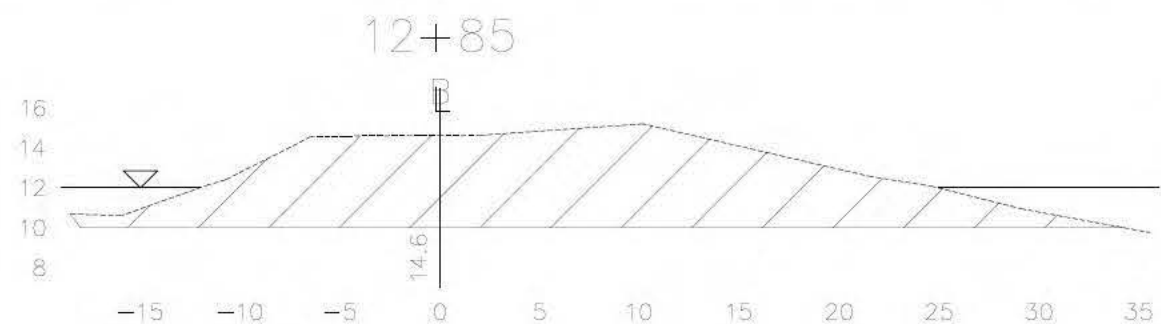
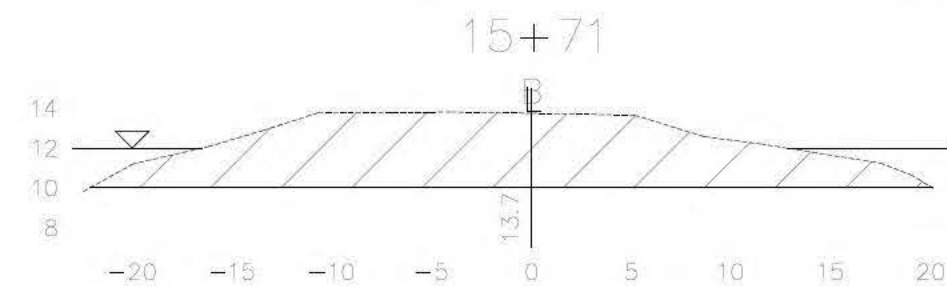
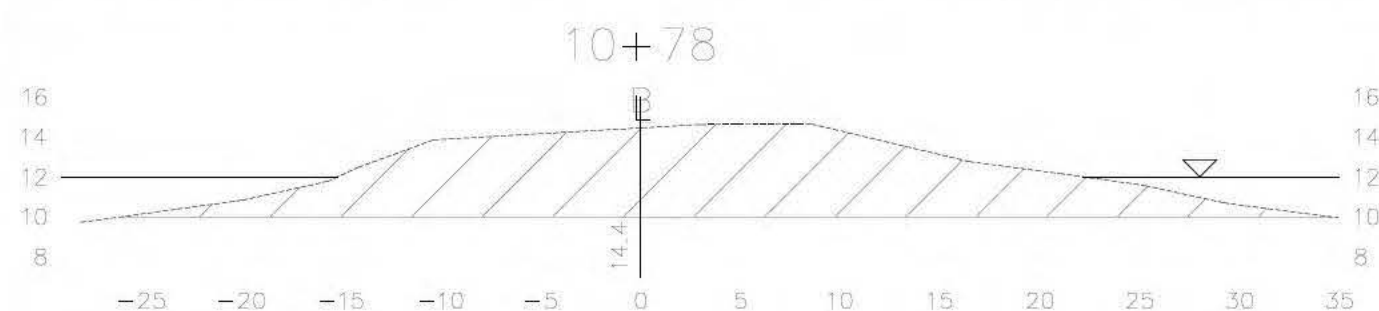
DESIGNER:	TSK
DRAWN BY:	TSK
COMP. FILE No.	
STATE PROJECT No.	

PROFESSIONAL REGISTRATION
Taylor S. Kroll
83280

LAKE OKEECHOBEE	
SHEET TITLE	BERM REMOVAL KEY SHEET
PROJECT TITLE	TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II
SHEET NO.	C201



- LEGEND:**
- PROPOSED GRADE
 - - - ACCESS/TRUCKING ROUTE
 - - - EXISTING GRADE
 - /// BERM REMOVAL
 - B BASELINE
 - ▽ WATER LEVEL ELEVATION (12.3') AS SURVEYED ON 05/07/13



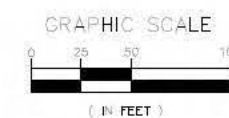
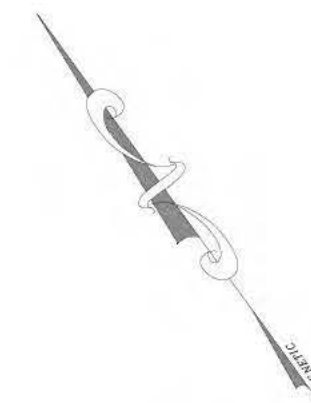
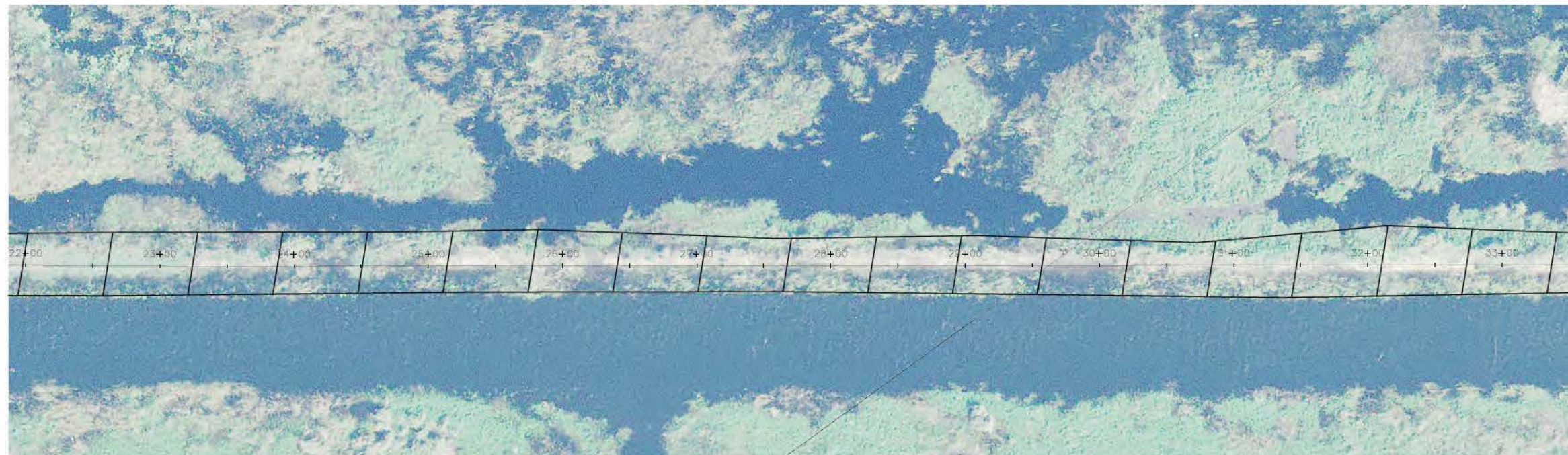
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
PUBLIC ACCESS SERVICES OFFICE
PLANNING AND DESIGN SECTION
620 South Meridian Street
Tallahassee, FL 32399-1600
(850) 921-9931

INITIAL ISSUE DATE		12/5/19
DESIGNER	REVISION	DATE
TSK		
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TSK		
COMP. FILE No.		
STATE PROJECT No.		

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FILE No.
STATE PROJECT No.

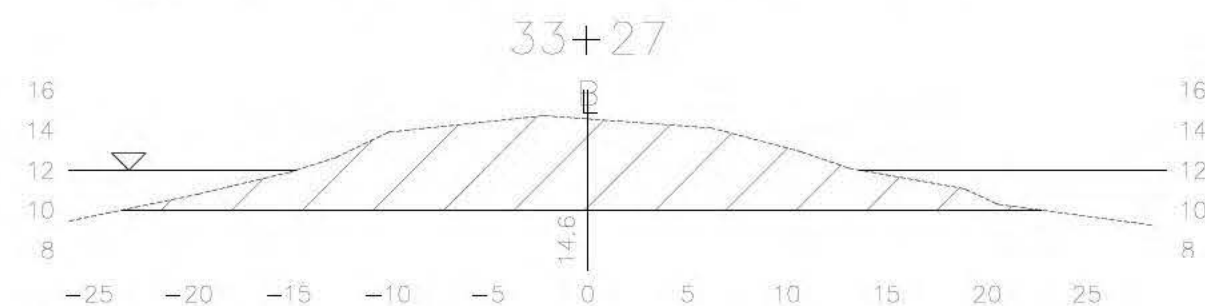
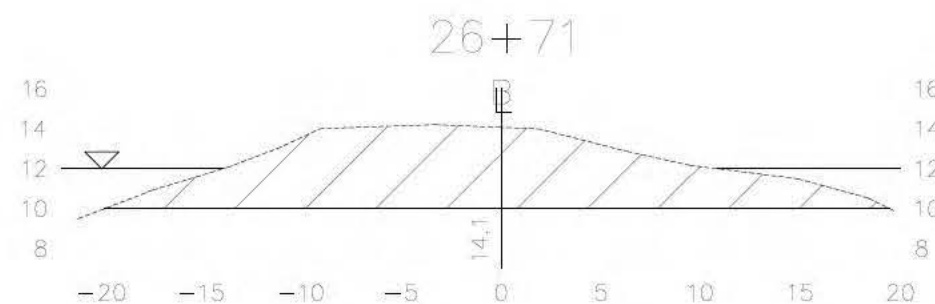
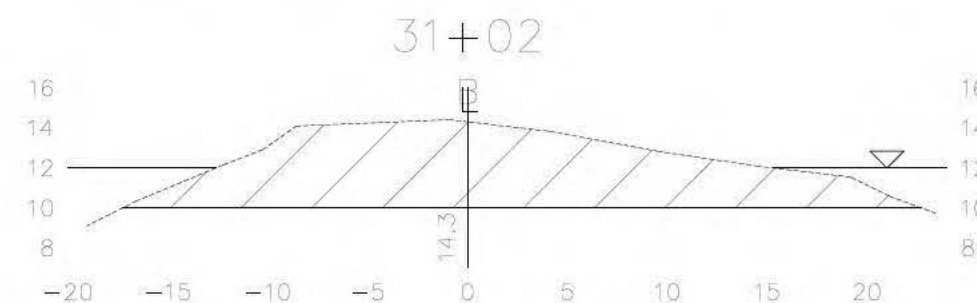
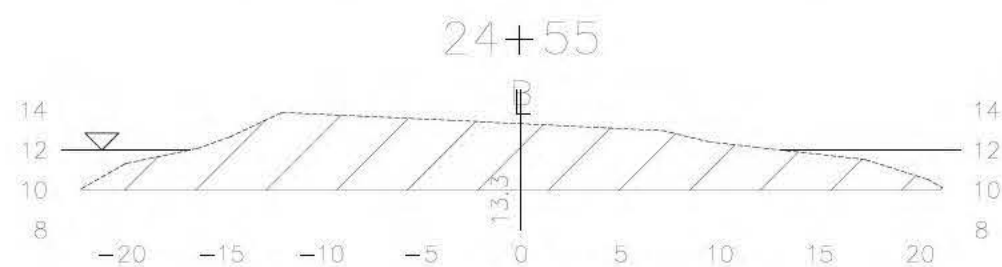
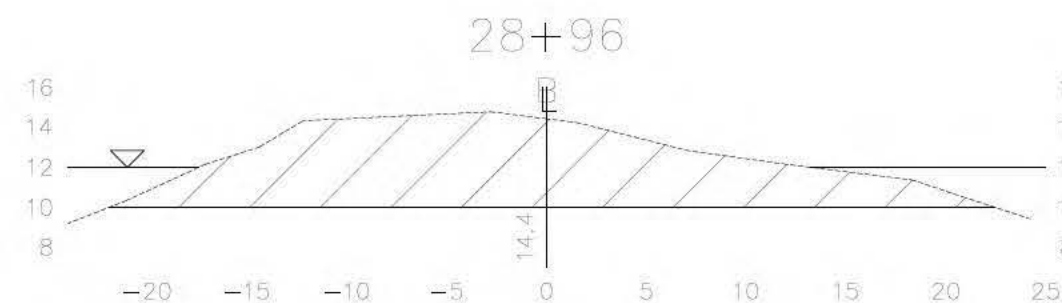
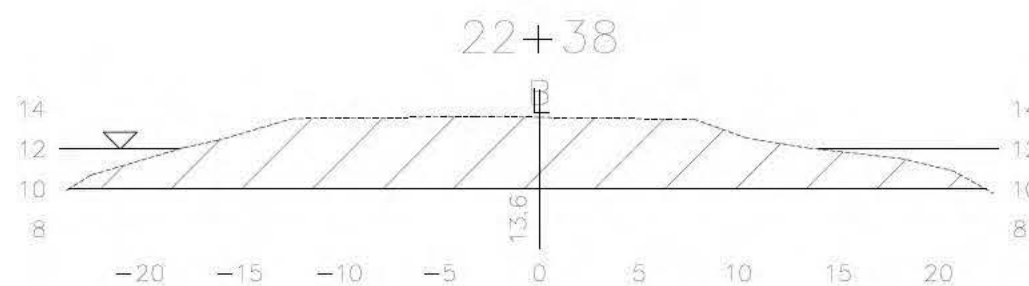
PROFESSIONAL REGISTRATION
Taylor S. Kroll
83280

LAKE OKEECHOBEE
SHEET TITLE
BERM REMOVAL CROSS-SECTIONS I
PROJECT TITLE
TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION, PHASE II
SHEET No.
G210



LEGEND:

- PROPOSED GRADE
- ACCESS/TRUCKING ROUTE
- EXISTING GRADE
- ▨ BERM REMOVAL
- BASELINE
- ▽ WATER LEVEL ELEVATION (12.3') AS SURVEYED ON 05/07/13



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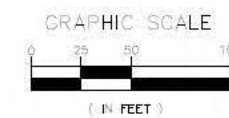
INITIAL ISSUE DATE		12/5/19
SYMBOL	REVISION	DATE

DESIGNER
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DRAWN BY
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COMP. FILE No.
STATE PROJECT No.

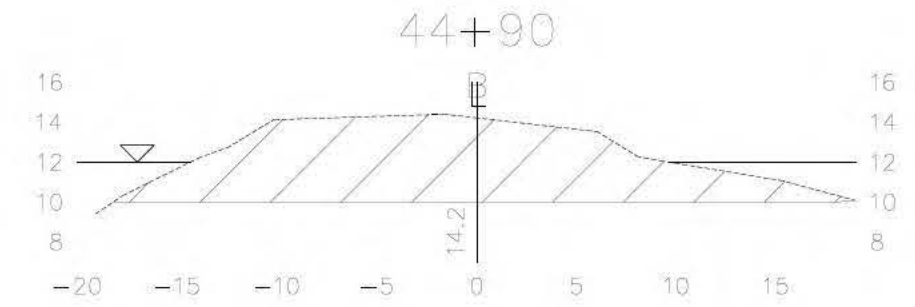
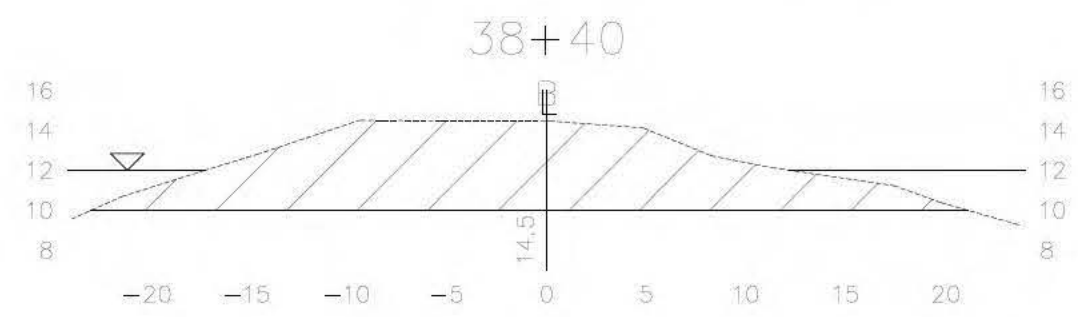
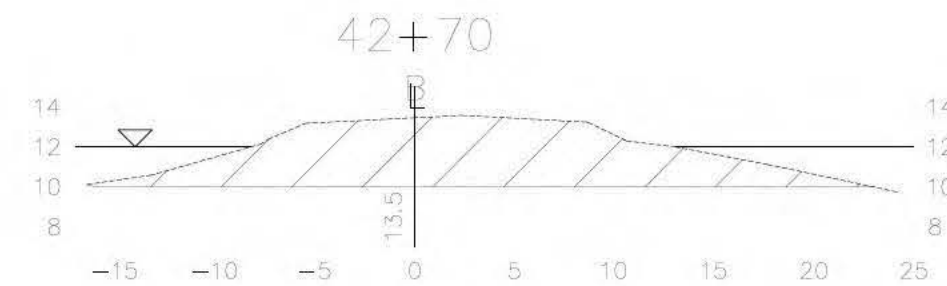
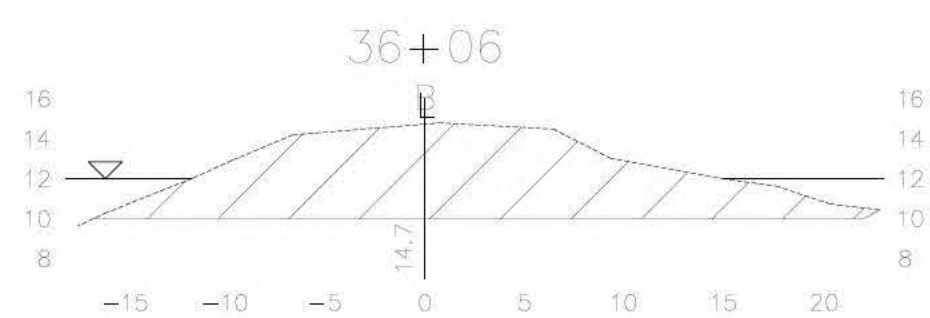
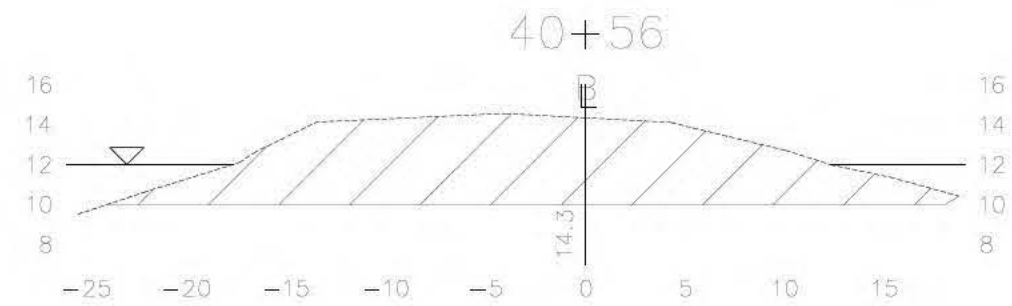
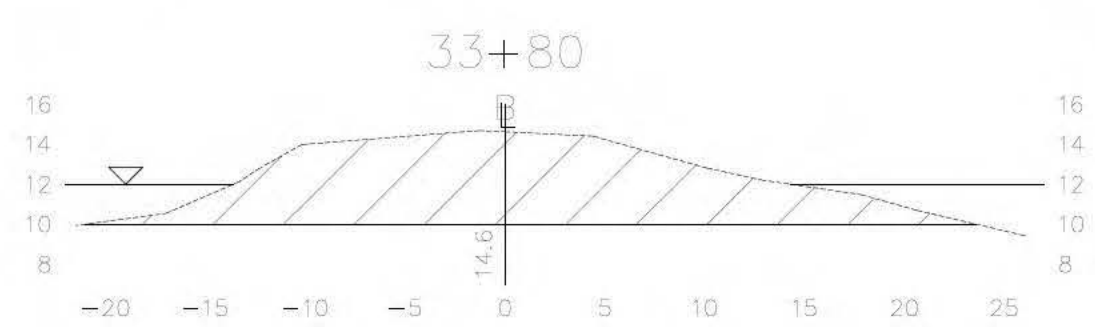
PROFESSIONAL REGISTRATION

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LAKE OKEECHOBEE
SHEET TITLE
BERM REMOVAL CROSS-SECTIONS II
PROJECT TITLE
TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II
SHEET No.
C211



- LEGEND:**
- PROPOSED GRADE
 - ACCESS/TRUCKING ROUTE
 - EXISTING GRADE
 - BERM REMOVAL
 - BASELINE
 - WATER LEVEL ELEVATION (12.3') AS SURVEYED ON 05/07/13



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SYMBOL	REVISION	DATE

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DRAWN BY
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COMP. FILE No.
STATE PROJECT No.

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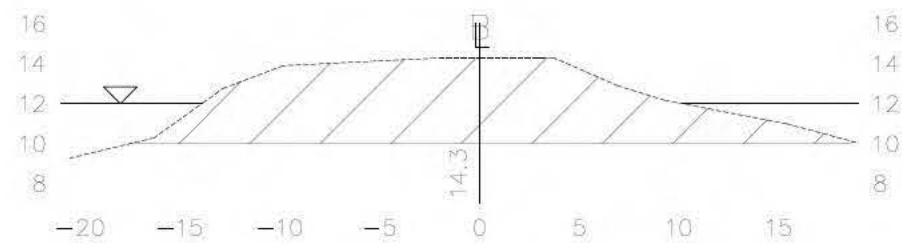
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SHEET TITLE
BERM REMOVAL CROSS-SECTIONS III
PROJECT TITLE
TIN HOUSE COVE SLOUGH HYDROLOGI RESTORATION PHASE II
SHEET NO.
G212



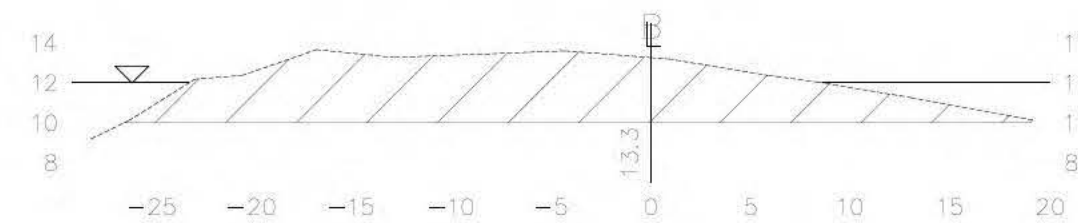
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- PROPOSED GRADE
- - - ACCESS/TRUCKING ROUTE
- - - EXISTING GRADE
- ▨ BERM REMOVAL
- ⊥ BASELINE
- ▽ WATER LEVEL ELEVATION (12.3') AS SURVEYED ON 05/07/13

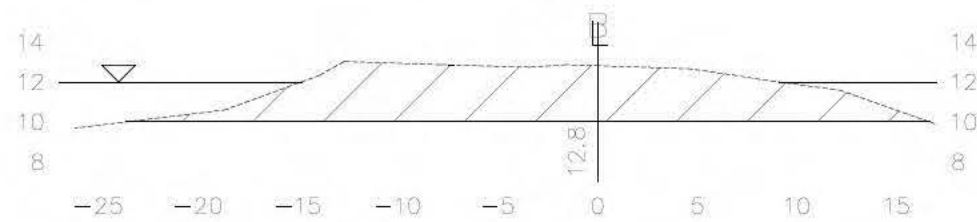
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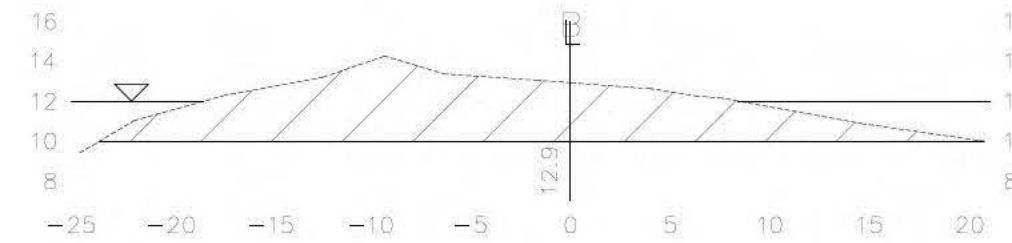
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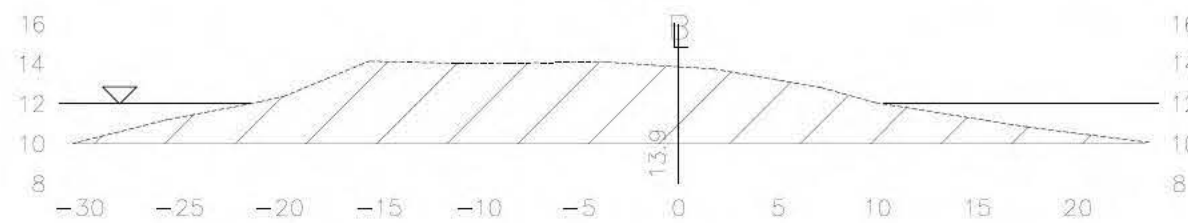
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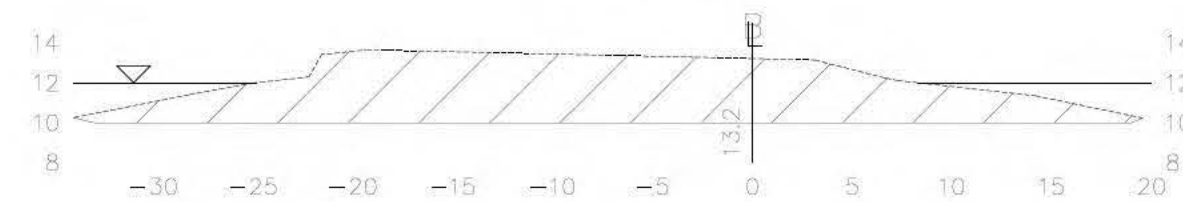
54+58



50+28



56+20



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PUBLIC ACCESS SERVICES OFFICE
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INITIAL ISSUE DATE		12/5/19
SYMBOL	REVISION	DATE

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COMP. FILE No.	
STATE PROJECT No.	

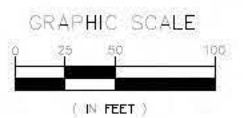
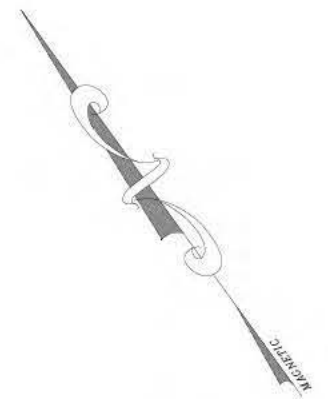
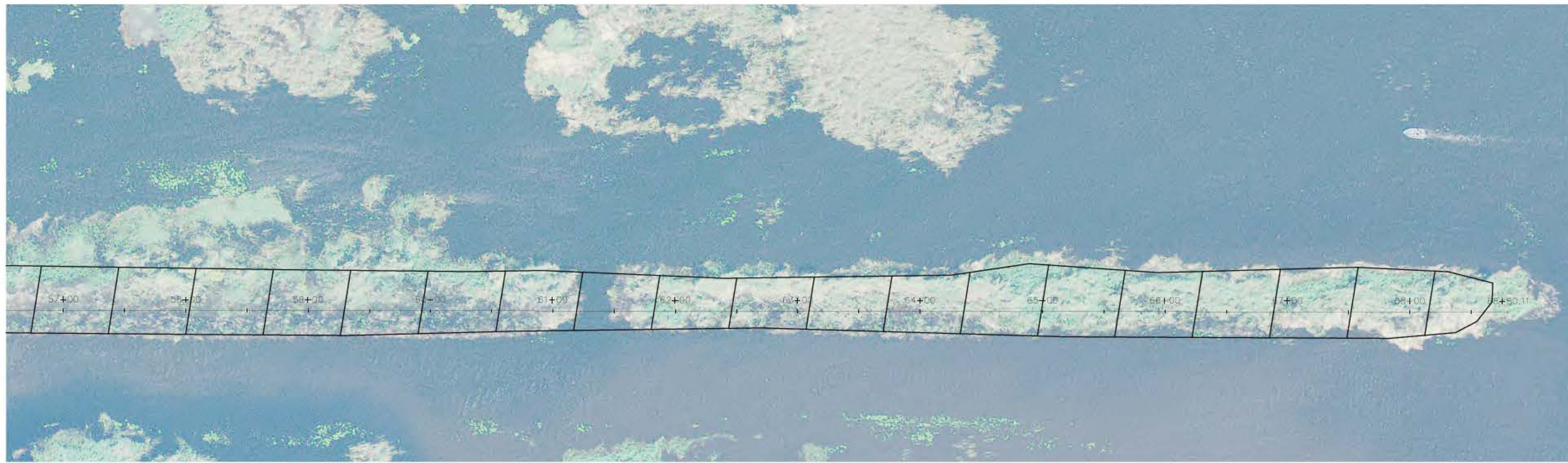
PROFESSIONAL REGISTRATION	
Taylor S. Kroll	83280

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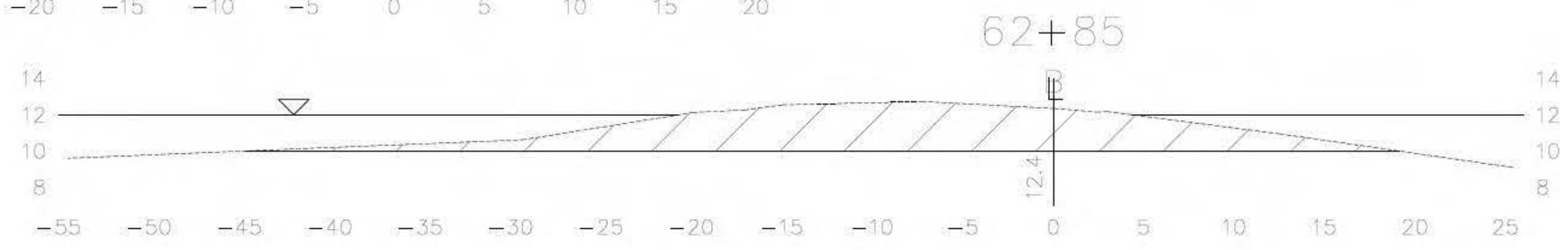
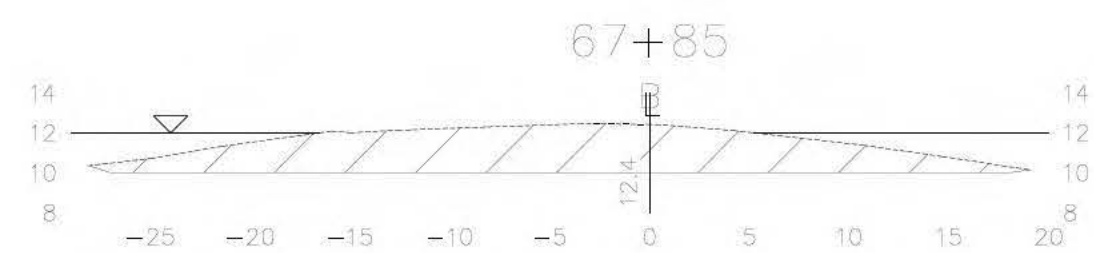
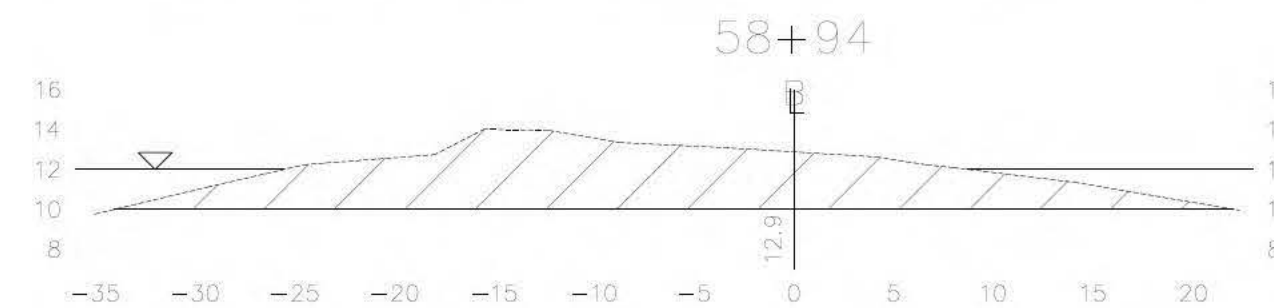
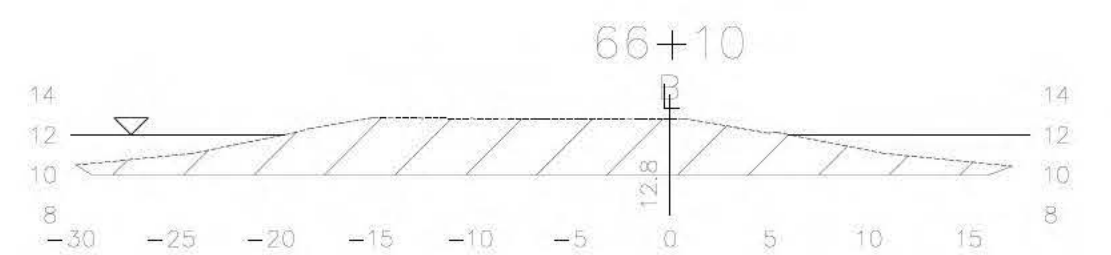
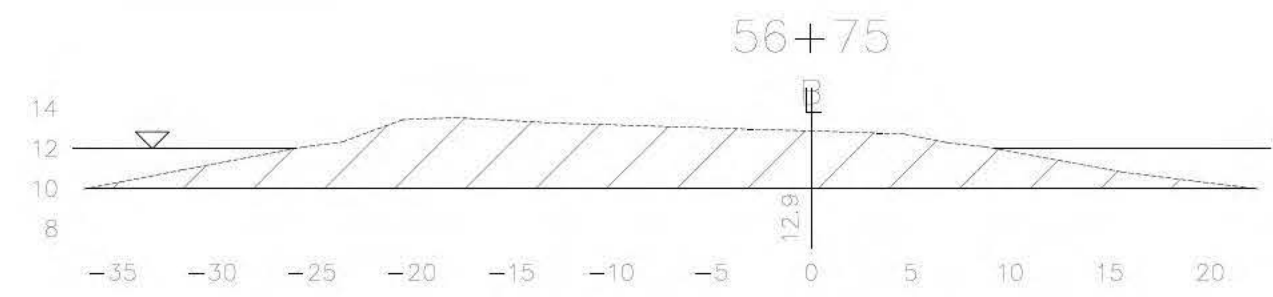
HEET TITLE
BERM REMOVAL CROSS-SECTIONS IV

PROJECT TITLE
TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION, PHASE II

HEET NO.
G213



- LEGEND:**
- PROPOSED GRADE
 - ACCESS/TRUCKING ROUTE
 - EXISTING GRADE
 - BERM REMOVAL
 - BASELINE
 - WATER LEVEL ELEVATION (12.3') AS SURVEYED ON 05/07/13



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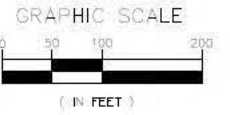
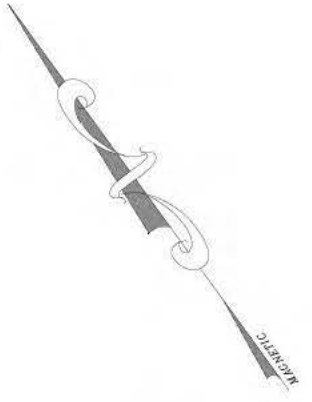
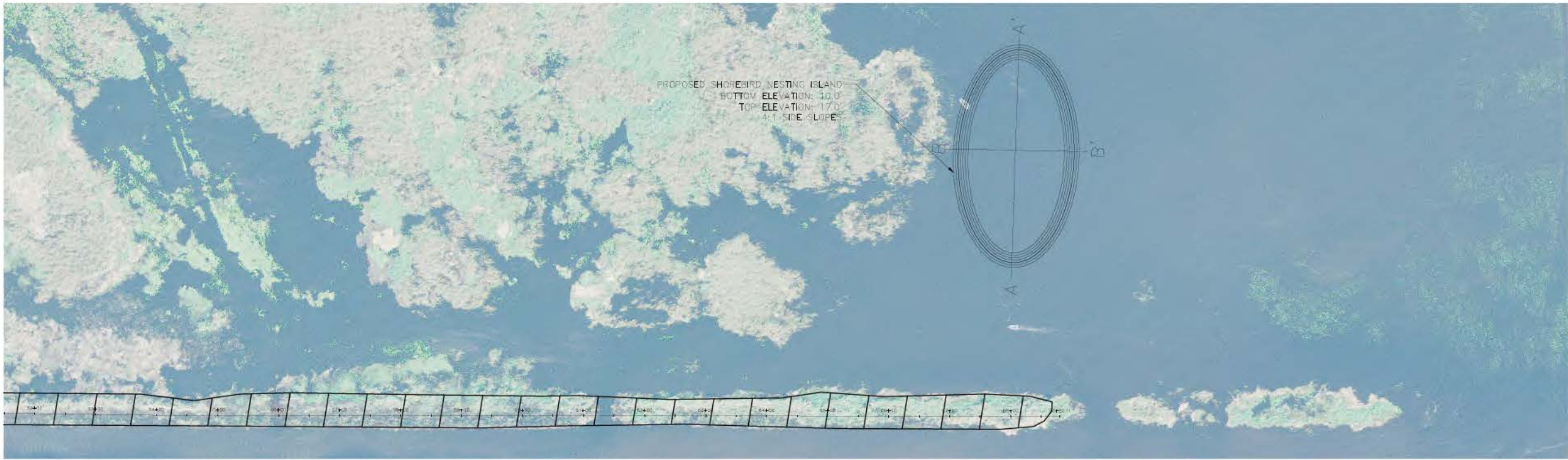
INITIAL ISSUE DATE		12/5/19
SYMBOL	REVISION	DATE

DESIGNER:
TSK
DRAWN BY:
TSK
COMPL. FILE No.
STATE PROJECT No.

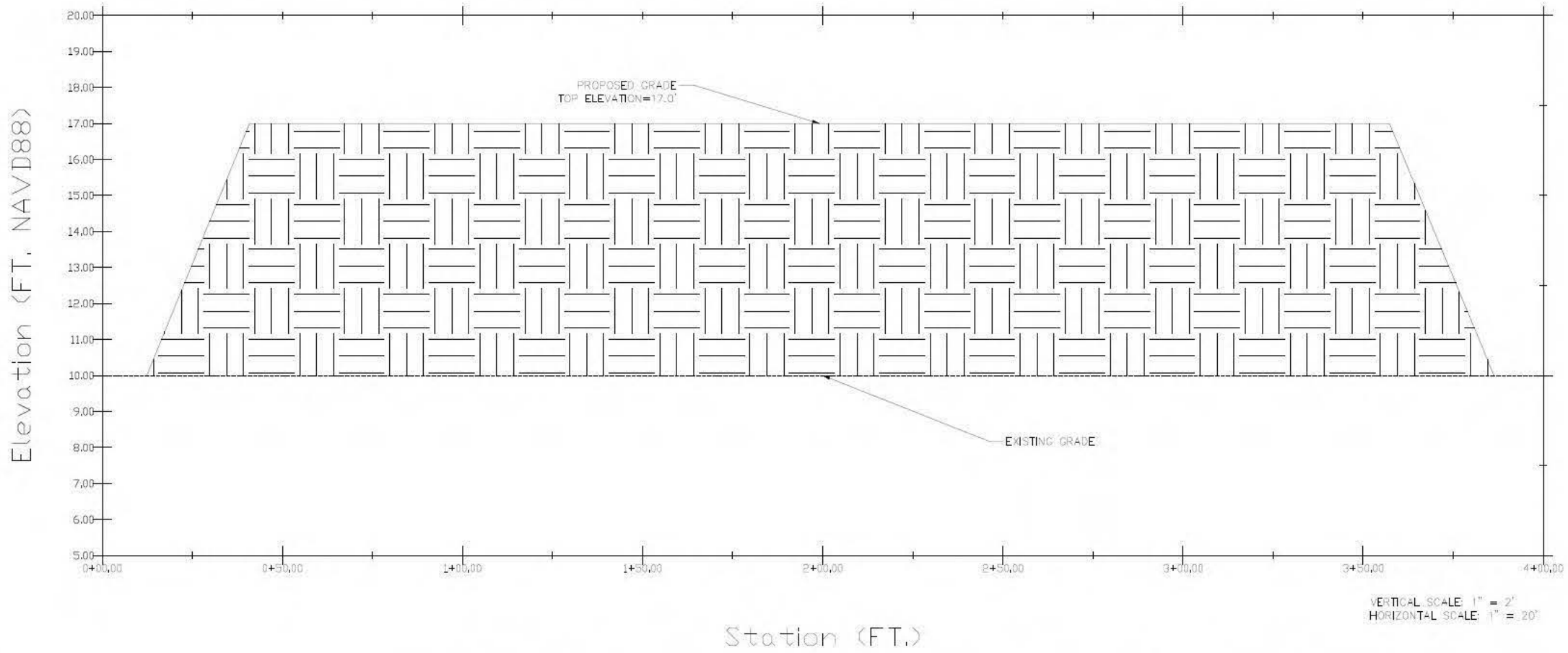
PROFESSIONAL REGISTRATION

Taylor S. Kroll
83280

LAKE OKEECHOBEE
SHEET TITLE: BERM REMOVAL CROSS-SECTIONS V
PROJECT TITLE: TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II
SHEET NO. C214



PROPOSED SHOREBIRD NESTING ISLAND CROSS-SECTION A-A'



FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
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PLANNING AND DESIGN SECTION

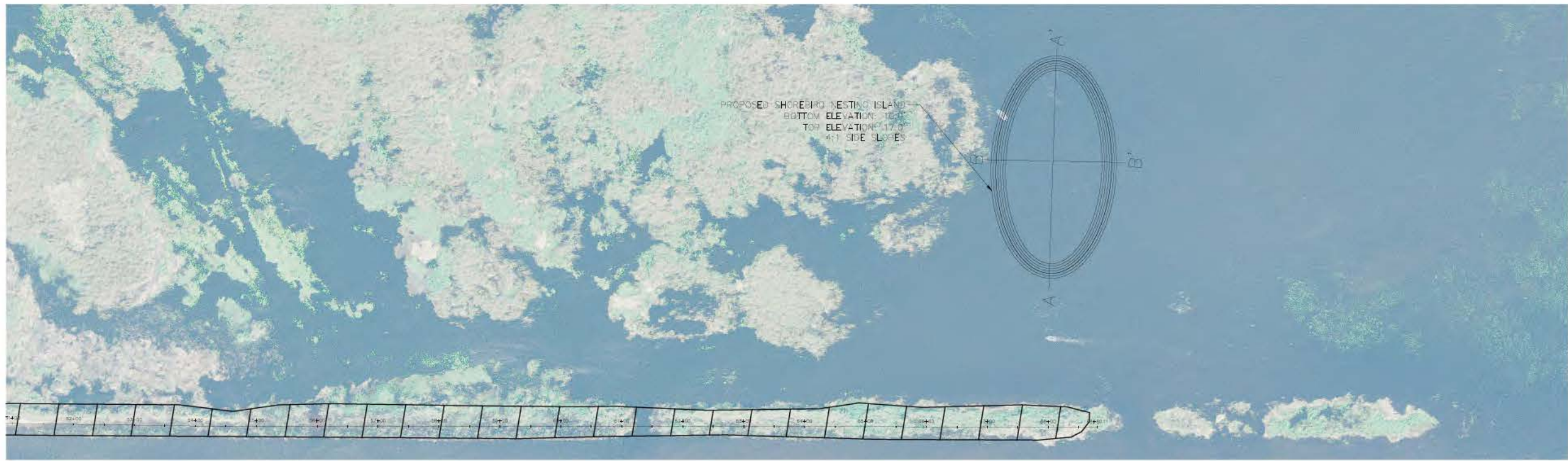
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INITIAL ISSUE DATE		12/5/19
SHEET NO.	REVISION	DATE

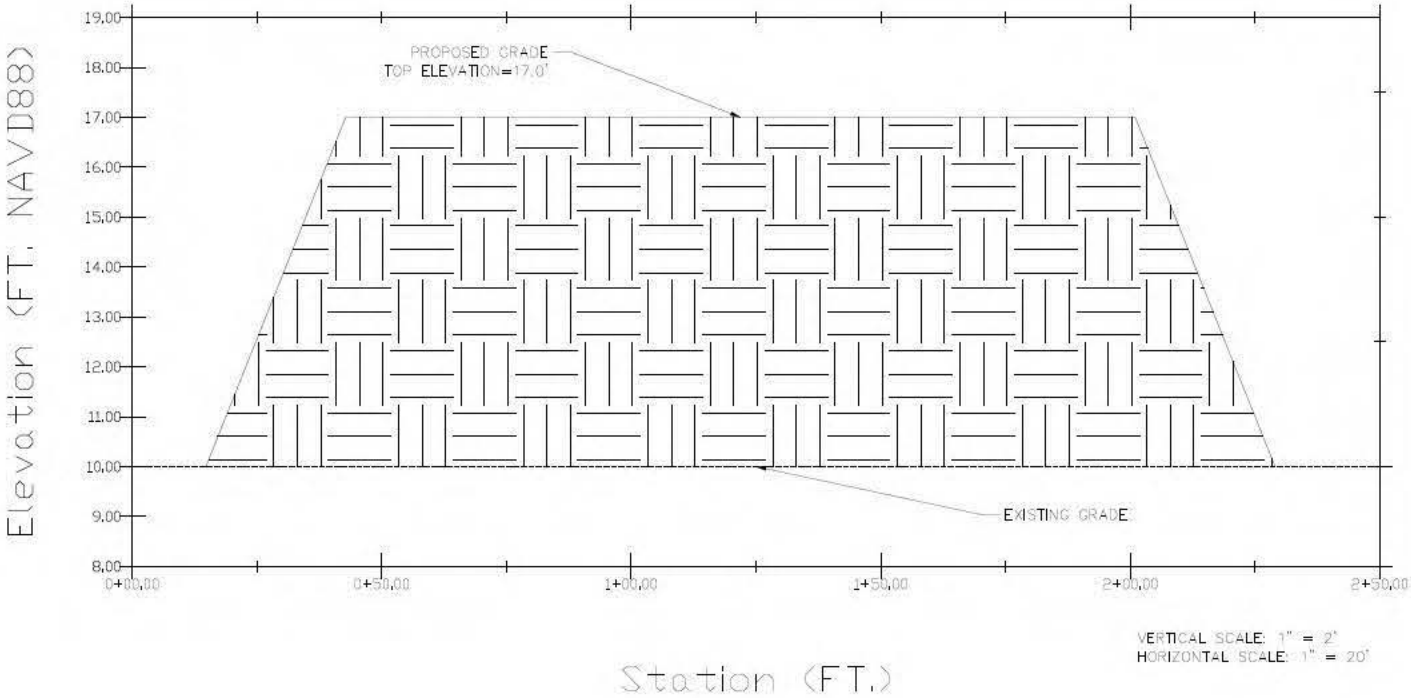
DESIGNED BY	TSK
DRAWN BY	TSK
COMP. FILE NO.	
STATE PROJECT NO.	

PROFESSIONAL REGISTRATION
Taylor S. Kroll 83280

LAKE OKEECHOBEE	
SHEET TITLE PROPOSED SHOREBIRD NESTING ISLAND DETAILS I	
PROJECT TITLE TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II	SHEET NO. C220



PROPOSED SHOREBIRD NESTING ISLAND CROSS SECTION B-B'



- LEGEND:
- PROPOSED GRADE
 - EXISTING GRADE
 - FILL

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SYMBOL	REVISION	DATE

DESIGNER	TSK
DRAWN BY	TSK
COMP. FILE No.	
STATE PROJECT No.	

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LAKE OKEECHOBEE	
SHEET TITLE	PROPOSED SHOREBIRD NESTING ISLAND DETAILS II
PROJECT TITLE	TIN HOUSE COVE SLOUGH HYDROLOGIC RESTORATION PHASE II
SHEET NO.	C221