



FLORIDA DEPARTMENT OF Environmental Protection

Southeast District Office
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
561-681-6600

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Project Name: MC-2 Shoreline Stabilization Project

Permittee/Authorized Entity:

Martin County Board of County Commissioners
c/o Lisa Wichser, P.E., County Engineer
2401 SE Monterey Road. Stuart, FL. 34996
Email: Lwichser@martin.fl.us

Authorized Agent:

Martin County Board of County Commissioners
c/o Michael Yustin
Email: myustin@martin.fl.us

Environmental Resource Permit - Granted

**State-owned Submerged Lands Authorization – Granted Pending Document
Execution**

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

Permit No.: 43-204481-003-EI
BOT / Easement Nos.: 430356796 / 42413

Permit Issuance Date: April 17, 2020

Permit Construction Phase Expiration Date: April 17, 2025

Consolidated Environmental Resource Permit and Recommended Intent to Grant State-owned Submerged Lands Authorization

Permit No.: 43-204481-003-EI

PROJECT LOCATION

The activities authorized by this Permit and state-owned submerged lands authorization are located within the Indian River Lagoon, within the Jensen Beach to Jupiter Inlet Aquatic Preserve, Outstanding Florida Waters, Class III Waters, adjacent to parcel ID 013841001024000109, approximately one mile south of the SE Ocean Blvd. Bridge, (Section 12, Township 38 South, Range 41 East), in Martin County (Latitude N 27° 11' 25.20", Longitude W -80° 11' 16.16").

PROJECT DESCRIPTION

This permit authorizes the construction of living shorelines on the east and south sides of Spoil Island MC-2 (Bird Island) to create habitat and provide erosion protection. The project includes one singular jetty style reef and ten breakwater reefs constructed of rip rap each with two mangroves planted on the top of the reef in sand at or above Mean High Water Line (MHWL). There will be a total of twenty-two mangroves on the top of the rip rap reefs and twenty-eight mangroves planted on the island itself, as shown on the attached plans.

This permit authorizes approximately 2,200 ft² of work in surface waters. Submerged resources are not located within the project boundaries; therefore, there will be no adverse impacts to these resources. Mitigation is not required.

The attached standard manatee conditions (version 2011) shall be adhered to during all in-water work. Prior to construction commencement, weighted floating turbidity curtains, extending to within one-foot from the submerged bottom shall be utilized around the project area to ensure that any turbidity resulting from construction activities will be contained within the project boundaries. All water bodies, including any adjacent submerged aquatic vegetation outside the specific limits of construction authorized by this permit shall be protected from erosion, siltation, sedimentation, and/or scouring.

AUTHORIZATIONS

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

The activity is located on sovereignty submerged lands owned by the State of Florida. It therefore also requires authorization from the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), pursuant to Article X, Section 11 of the Florida Constitution, and Section 253.77, F.S., and Chapter 258, F.S.

As staff to the Board of Trustees under Sections 253.002, F.S., the Department has determined that the activity qualifies for and requires a public easement, as long as the work performed is located within the boundaries as described and is consistent with the terms and conditions herein.

The final documents required to execute the public easement will be sent to the permittee by the Department's Division of State Lands for execution. The Department intends to issue the public easement, upon satisfactory execution of those documents, including payment of required fees and compliance with the conditions in the attached permit. **You may not begin construction of the activities described until you receive a copy of the executed public easement from the Department.**

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 their APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT, ENG FORM 4345, or alternative as allowed by their regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Source Book at:

<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 and sovereignty submerged lands authorization, as described.

SPECIFIC CONDITIONS – EXECUTION OF PROPRIETARY DOCUMENTS

- (1) The terms, conditions, and provisions of the required public easement shall be met. **Construction of this activity shall not commence on sovereign submerged lands, title to which is held by the Board of Trustees of the Internal Improvement Trust Fund, until all required public easement agreement documents have been executed to the satisfaction of the Department.**

SPECIFIC CONDITIONS- PROJECT FORMS & ATTACHMENTS

- (2) The attached project drawings (sheets 1 through 3); the attached Standard Manatee Conditions for In-Water Work, 2011, the “Florida EPPC's 2015 Invasive Plant Species List” which can be downloaded at <http://www.fleppc.org/list/2015FLEPPCLIST-LARGEFORMAT-FINAL.pdf>; and DEP forms 62-330.310(3), 62-330.310(1); 62-330.310(2); 62-330.340(1); and 62-330.350(1), which may be downloaded at <http://www.dep.state.fl.us/water/wetlands/erp/forms.htm> become part of this permit. If the permittee does not have access to the Internet, please contact the Department at (561) 681-6600 to request the aforementioned forms and/or document(s).

SPECIFIC CONDITIONS - PRIOR TO CONSTRUCTION

- (3) After selection of the contractor to perform the authorized activities and prior to the initiation of any work authorized by this permit, the permittee (or authorized agent) and the contractor shall attend a pre-construction conference with a representative of the Department. It shall be the responsibility of the permittee to contact the Department’s Compliance Assistance Program, by email SED_Compliance@FloridaDEP.gov, or by phone (561) 681-6600, to schedule the pre-construction conference.

- (4) Prior to the initiation of any work authorized by this permit, floating turbidity curtains with weighted skirts that extend to within one foot of the bottom shall be placed around the project site, and shall be maintained and remain in place for the duration of the project construction to ensure that turbid discharges do not occur outside the boundaries of the floating turbidity screens. The permittee shall be responsible for ensuring that turbidity control devices are inspected daily and

maintained in good working order during all phases of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent turbid discharges.

SPECIFIC CONDITIONS – MANATEE CONDITIONS

(5) 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

(6) The permittee shall comply with the standard manatee protection construction conditions listed in the attached "2011 Standard Manatee Conditions for In-Water Work".

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

(7) All watercraft associated with the construction of the permitted activities shall only operate within waters of sufficient depth (one-foot clearance from the deepest draft of the vessel (barge) to the submerged bottom) so as to preclude bottom scouring or prop dredging.

(8) There shall be no storage or stockpiling of tools and materials (i.e., lumber, pilings, debris), along the shoreline adjacent to waters of the state. All excess lumber, scrap wood, trash, garbage, and any other type of debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized in this permit. All construction equipment/tools and materials shall be transported to and from the site via upland roadways and barges and all equipment/tools and materials shall be stored on the construction barges or uplands.

(9) The material used for fill shall be clean concrete or rock or clean sand. The material shall be free of soils, oils and greases, debris, litter, putrescible substances or other pollutants and must meet the requirements set forth by the United States Coast Guard and Environmental Protection Agency. There shall be no "white goods" (inoperative and discarded refrigerators, freezers, ranges, water heaters, washers, and other similar domestic and commercial appliances), asphalt material, tires, other polluting materials used in construction of the planters. The material shall be firmly anchored to the bottom and shall not be indiscriminately dumped.

(10) Neither planter structure nor material or the method of design or deployment should pose more than minimal risk of entrapping fish, marine turtles or marine mammals. The permittee shall take all necessary action to minimize this risk.

SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS

(11) Turbidity levels outside the construction area shall not exceed 0 NTU's above background levels. The following measures shall be taken immediately by the permittee whenever turbidity levels within waters of the State surrounding the project site exceed 0 NTUs above background:

- a. Notify the Department at 561-681-6600 at the time the violation is first detected.
- b. Immediately cease all work contributing to the water quality violation.
- c. Stabilize all exposed soils contributing to the violation. Modify the work procedures that were responsible for the violation, install more turbidity containment devices, and repair any non-functional turbidity containment devices.
- d. As required, perform turbidity monitoring per Specific Conditions.
- e. Resume construction activities once turbidity levels outside turbidity curtains fall below 0 NTUs.

(12) 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 until turbidity subsides at one foot above the bottom, mid-depth, and one-foot below the surface at monitoring stations located as follows:

- f. 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.)
- g. 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.)

(13) During construction activities, the permittee or permittee's contractor shall collect the following turbidity monitoring data at the frequency and water depths directed by the Specific Condition above:

- h. Date and time of sampling event
- i. Turbidity sampling results (background NTUs, compliance NTUs, and the difference between them)
- j. Description of data collection methods
- k. An aerial map indicating the sampling locations
- l. Depth of sample(s)
- m. Weather conditions at times of sampling
- n. Tidal stage and direction of flow

Data shall be collected in a turbidity log and shall include a statement by the individual responsible for implementation of the sampling program attesting to the authenticity, precision, limits of detection, and accuracy of the data. The turbidity log shall be scanned and sent on a weekly basis to the Department's ERP Compliance Assurance Program via email at SED_Compliance@FloridaDEP.gov. The subject line of the email shall include the project name, permit number, and the title "Turbidity Monitoring Reports."

SPECIFIC CONDITIONS – LISTED SPECIES

(14) 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 applicant 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, 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 FWCConservationPlanningServices@MyFWC.com.

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under chapter 62-330, F.A.C., 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], which is incorporated by reference in paragraph 62-330.350(1)(d), F.A.C., 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. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.

(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 Operational 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 12.3.3 of Volume I) as filed with the 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 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:

- a. 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.;
- b. Convey to the permittee or create in the permittee any interest in real property;
- c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
- d. 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:

- a. Immediately if any previously submitted information is discovered to be inaccurate; and
- b. 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 any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work 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 notification shall be provided in accordance with Section 872.05, F.S.

(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.

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 a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

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 14 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 14 days of publication of the notice or within 14 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 may not apply to persons who have not received a clear point of entry.

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 West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Jason Andreotta
District Director
Southeast District

CERTIFICATE OF SERVICE

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

FDEP – Kent Edwards, Jeffrey Meyer David White, Robert Mullins, Irene Arpayoglou
Martin County, env@martin.fl.us
Conservation Planning Service, FFWCC, Conservationplanningservices@myfwc.com
FFWCC- Boating and Waterways Section, Waterway Management Unit,
waterway.management@myfwc.com
Michael Yustin, Project Manager, Martin County Board of County Commissioners,
myustin@martin.fl.us

FILING AND ACKNOWLEDGMENT

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



Clerk

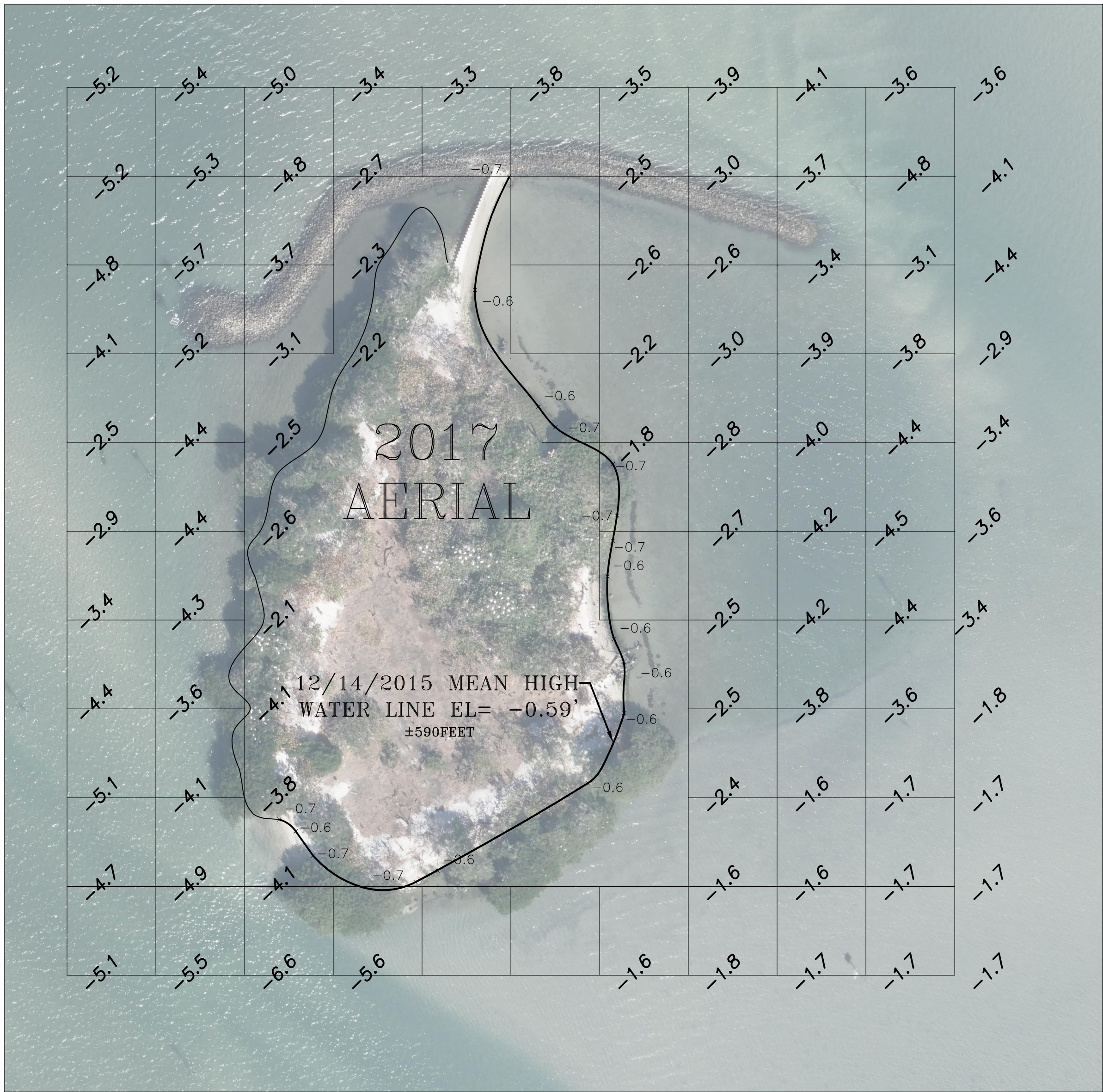
April 17, 2020
Date

Attachments:

Project Drawings and Design Specs., 3 pages
Standard Manatee Conditions for In-Water Work, 2011,
http://myfwc.com/media/415448/Manatee_StdCondIn_waterWork.pdf
Florida EPPC's 2015 Invasive Plant Species List, 6 pages, can be downloaded at
<http://www.fleppc.org/list/2015FLEPPCLIST-LARGEFORMAT-FINAL.pdf>
As-built Certification and Request for Conversion to Operational Phase Form 62-330.310(1)*
Request for Transfer to the Perpetual Operation Entity Form 62-330.310(2)*
Request to Transfer Permit Form 62-330.340(1)*
Commencement Notice Form 62-330.350(1)*

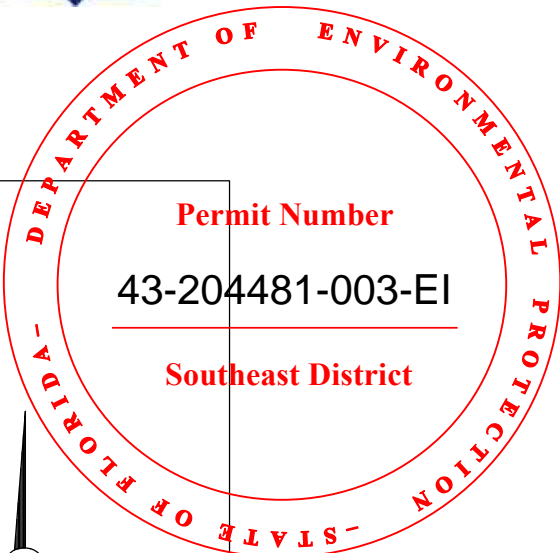
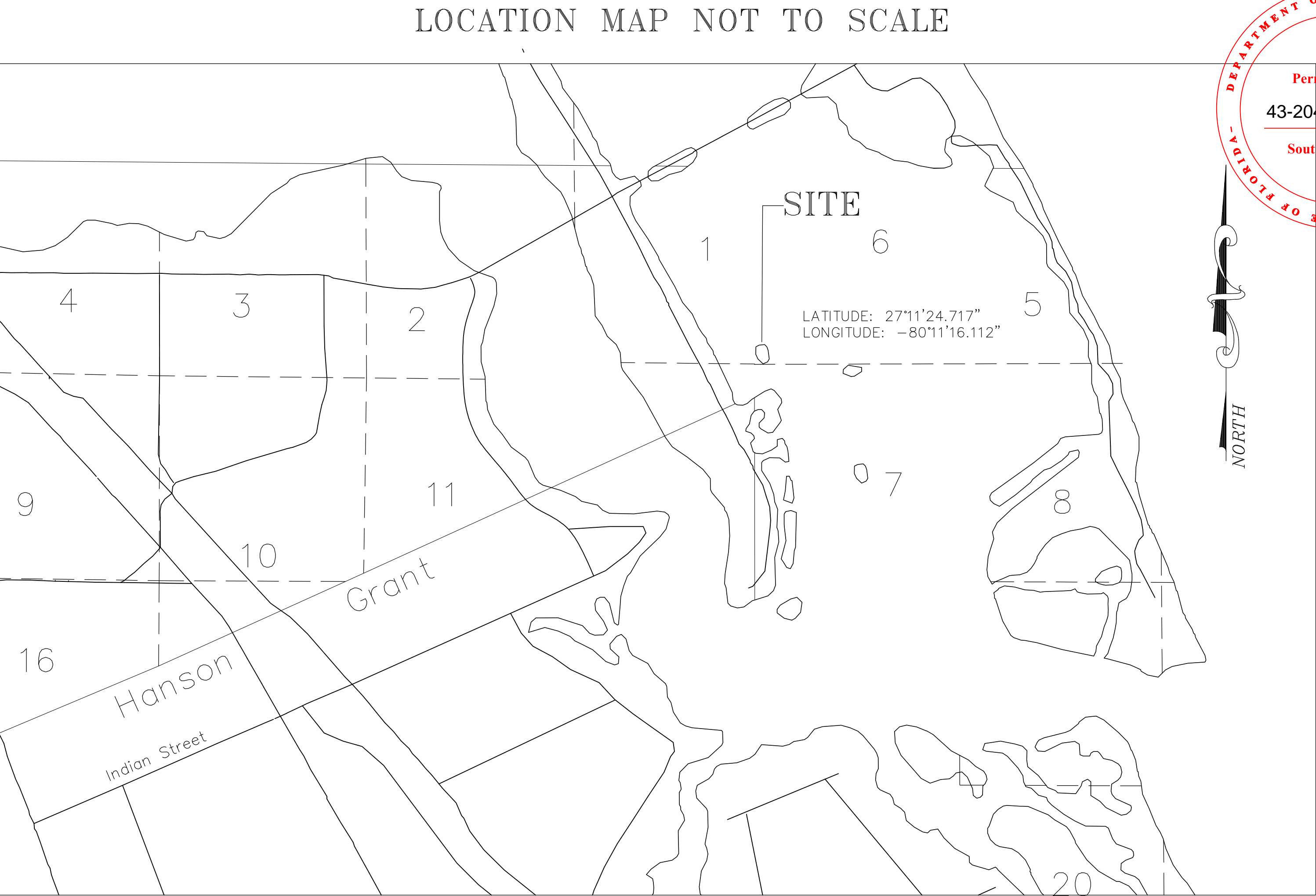
*Can be downloaded at: <https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/forms-environmental-resource>

MC-2 BIRD ISLAND
LIVING SHORELINE PROJECT
MARTIN COUNTY, FL



PROJECT OBJECTIVE

THE OBJECTIVE OF THIS PROJECT IS TO STABILIZE AND PROTECT PORTIONS OF THE MC-E CRITICAL WILDLIFE AREA. THERE HAS BEEN SIGNIFICANT EROSION DOCUMENT BY AREAL PHOTOGRAPHS AND BATHOMETRIC SURVEYS. PLACEMENT OF RIPRAP/OYSTER SHELL CREATE A BREAK FOR WAVE ENERGY AND TRAP SEDIMENT TO RESTORE SHORELINE AND CREATE VITAL MANGROVE HABITAT. THE REEF WILL ALSO PROVIDE INTER-TIDAL HABITAT AS PART OF A LIVING SHORELINE.



LEGEND

- = EXTENTS OF 2019 SEAGRASS SURVEY
- = MANGROVE PLANT
- = REEF NUMBER
- = TURBIDITY CURTAINS
- EL=ELEVATION
- LB=LICENSED BUSINESS
- MHW=MEAN HIGH WATER
- TYP=TYPICAL

SHEET INDEX

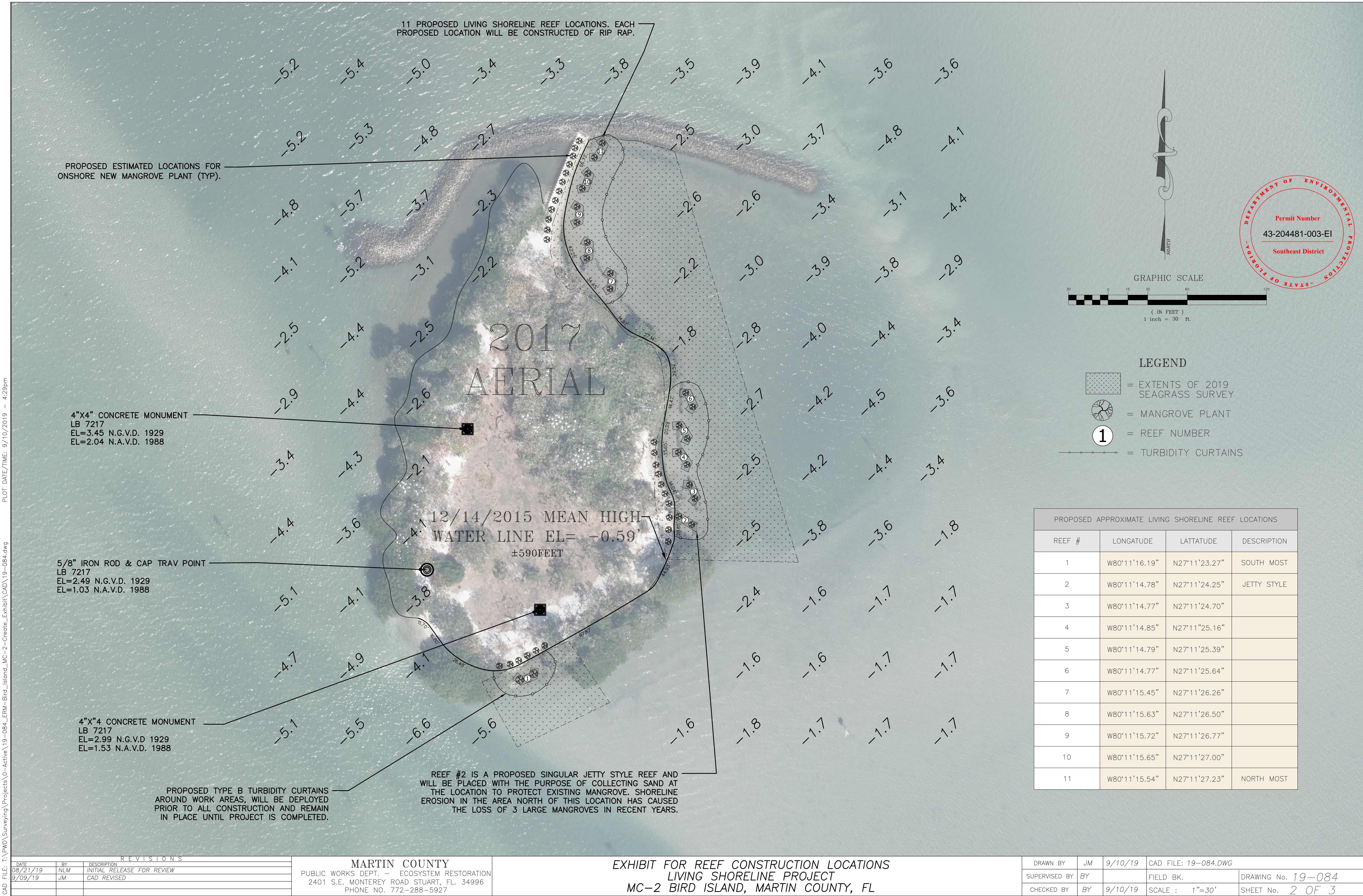
- SHEET 1 = COVER SHEET
- SHEET 2 = REEF CONSTRUCTION LOCATIONS
- SHEET 3 = REEF CONSTRUCTION DETAILS

ELEVATIONS ARE BASED ON N.A.V.D. 1988

REVISIONS			MARTIN COUNTY PUBLIC WORKS DEPT. - ECOSYSTEM RESTORATION 2401 S.E. MONTEREY ROAD STUART, FL. 34996 PHONE NO. 772-288-5927	EXHIBIT FOR REEF CONSTRUCTION LOCATIONS LIVING SHORELINE PROJECT MC-2 BIRD ISLAND, MARTIN COUNTY, FL	DRAWN BY	JM	9/10/19	CAD FILE: 19-084.DWG	
DATE	BY	DESCRIPTION			SUPERVISED BY	BY		FIELD BK.	DRAWING No. 19-084
08/21/19	NLM	INITIAL RELEASE FOR REVIEW							
9/09/19	JM	CAD REVISED							
			CHECKED BY	BY	9/09/19	SCALE : N/A	SHEET No. 1 OF 3		

PLOT DATE/TIME: 9/10/2019 - 4:29pm

CAD FILE: T:\PMD\Surveying\Projects\0-Active\19-084_ERM-Bird_Island_MC-2-Create_Exhibit\CAD\19-084.dwg



REVISIONS		
DATE	BY	DESCRIPTION
08/21/19	NLM	INITIAL RELEASE FOR REVIEW
9/09/19	JM	CAD REVISED

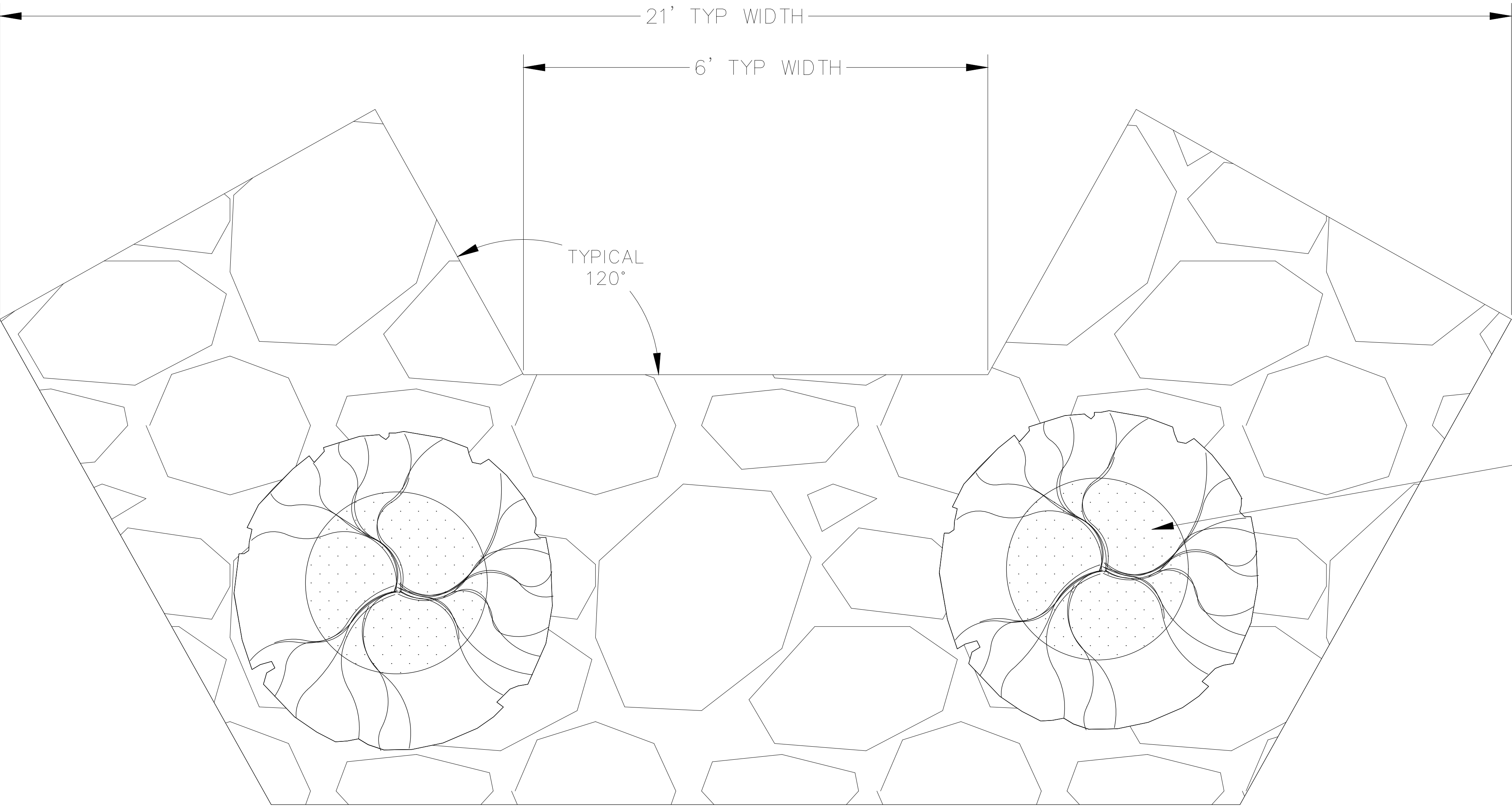
MARTIN COUNTY
PUBLIC WORKS DEPT. - ECOSYSTEM RESTORATION
2401 S.E. MONTEREY ROAD STUART, FL. 34996
PHONE NO. 772-288-5927

EXHIBIT FOR REEF CONSTRUCTION LOCATIONS
LIVING SHORELINE PROJECT
MC-2 BIRD ISLAND, MARTIN COUNTY, FL

DRAWN BY	JM	9/10/19	CAD FILE: 19-084.DWG
SUPERVISED BY	BY		FIELD BK.
CHECKED BY	BY	9/10/19	SCALE : 1"=30'
			DRAWING No. 19-084
			SHEET No. 2 OF 3

PLOT DATE/TIME: 9/10/2019 - 4:30pm

CAD FILE: T:\PWD\Surveying\Projects\0-Active\19-084_ERM-Bird_Island_MC-2-Create_Exhibit\CAD\19-084.dwg



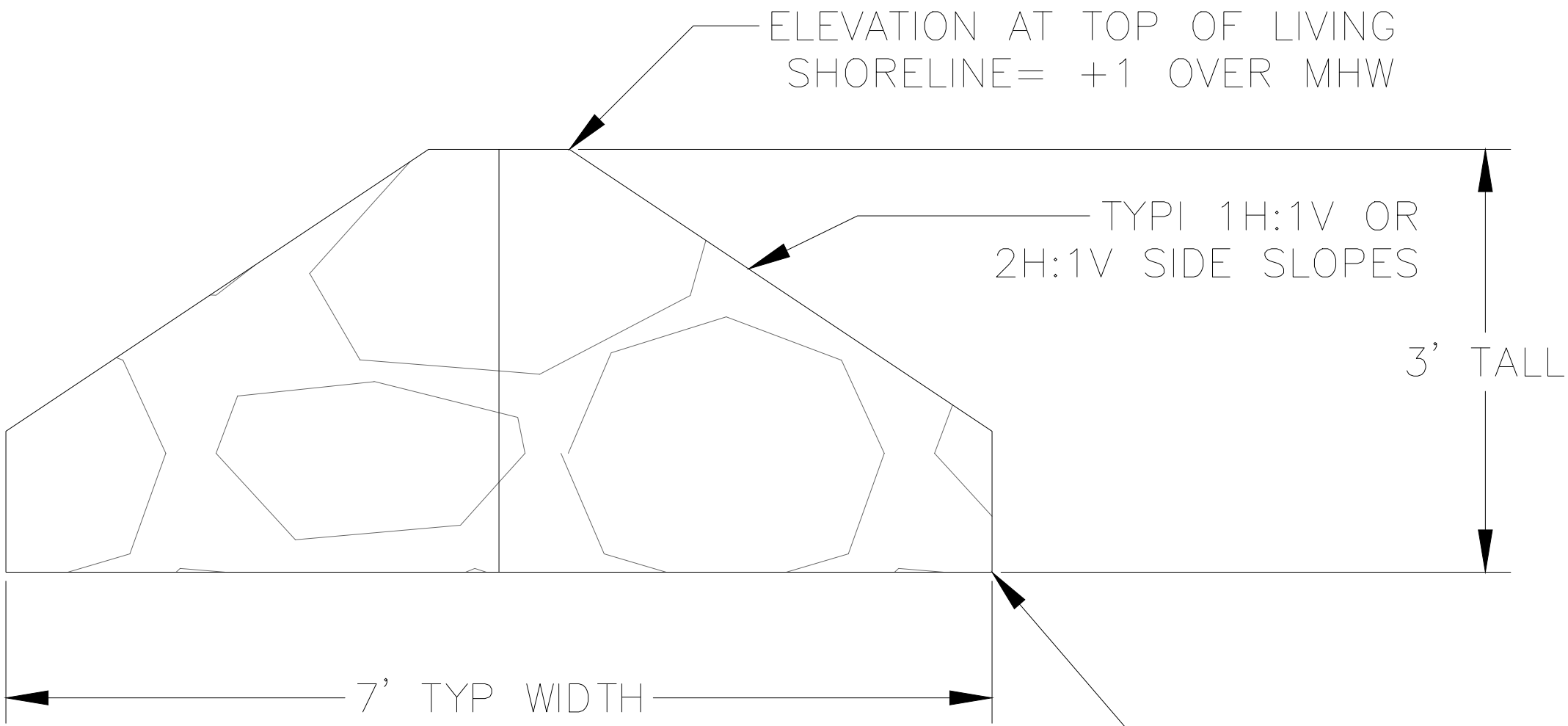
REEF PLANTER
TOP VIEW

MANGROVE PLANTING

SEVEN GALLON MANGROVES WITH HOLES BACKFILLED WITH SAND. MANGROVES TO BE PLANTED 2 PER BREAK-WALL REEF AT OR ABOVE THE MEAN HIGH WATER LEVEL OF -0.40 NAVD 88. REMAINDER TO BE PLANTED ON SHORE. (22 PLANTS ON REEF - 28 PLANTS ON ISLAND)

RIP RAP QUANTITIES

APPROXIMATE CROSS SECTION IS 0.5 SY EACH 21' SECTION WILL UTILIZE APPROXIMATELY 5 TONS OF RIP RAP STONE. BANK AND SHORE SHALL BE MOVED FIRST TO SITE BY BOAT OR SHALLOW DRAFT BARGE AND THEN LOCKED IN PLACE WITH SMALLER STONES BY HAND.



REEF TO BE CONSTRUCTED WITH 6-18" RIPRAP AND LOCKED IN PLACE BY HAND PLACED STONES.

JETTY STYLE REEF
FRONT VIEW



REVISIONS		
DATE	BY	DESCRIPTION
08/21/19	NLM	INITIAL RELEASE FOR REVIEW
9/9/2019	JM	CAD REVISED

MARTIN COUNTY	
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2401 S.E. MONTEREY ROAD STUART, FL. 34996	
PHONE NO. 772-288-5927	

EXHIBIT FOR REEF CONSTRUCTION DETAILS		
LIVING SHORELINE PROJECT		
MC-2 BIRD ISLAND, MARTIN COUNTY, FL		

DRAWN BY	JM	9/10/19	CAD FILE: 19-084.DWG	
SUPERVISED BY	BY		FIELD BK.	DRAWING No. 19-084
CHECKED BY	BY	9/10/19	SCALE : N/A	SHEET No. 3 OF 3