

DEPARTMENT OF THE ARMY PERMIT

Permittee:	Florida Coastal Office/FDEP	Audubon Florida
	Ms. Jennifer Harper	Ms. Julie Wraithmell
	108 Island Drive	308 N. Monroe Street
	Eastpoint, Florida 32328	Tallahassee, Florida 32301

Permit No: SAJ-2016-02663(SP-LSL)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the U.S. Army Corps of Engineers (Corps) having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: The project entails construction of a series of rip rap structures to stabilize portions of the existing St. George Island Causeway. The causeway is critical shorebird nesting habitat. The proposed shoreline stabilization structures will consist of 2'-3' diameter limestone rock atop a 6" thick marine mattress foundation. The marine mattress foundation consists of a geotextile fabric and geotextile containment system (filled with crushed limestone rock) to provide a stable foundation for the structure that would resist settlement, leaching of foundation materials from beneath the structure, and structure failure due to localized scour along the seaward and longitudinal limits of the structure. The marine mattresses will be pre-assembled offsite and will be lowered into place via barge-mounted heavy equipment. The rock stabilization structures will also be placed via barge-mounted heavy equipment given the limited site access. All barge and supporting equipment will be shallow draft and will maintain a minimum of 1'-2' clearance above the existing bottom. Turbidity curtains will be utilized. The work described above is to be completed in accordance with the 10 pages of drawings and 3 attachments affixed at the end of this permit instrument.

Project Location: The project is located on a causeway which is an island in Apalachicola Bay lying immediately east of the St. George Island bridge in Sections 6, 7, 18, 19, 29 and 30, Township 9 South, Range 6 West and Sections 12, 13, 24, and 25, Township 9 South, and Range 7 West, Franklin County, Florida. The affected waterway is the Apalachicola Bay.

Directions to site: The causeway is currently an island in Apalachicola Bay, lying immediately east of the St. George Island bridge. Access is only by boat.

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 2 of 11

Approximate Central Coordinates: Latitude: 29.693856° North
Longitude: -84.883408° West

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on December 27, 2022.
. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives 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.

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 3 of 11

Special Conditions:

1. Reporting Address: The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:

a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Special Projects and Enforcement Branch, 41 North Jefferson St., Suite 301, Pensacola, FL 32502.

b. For electronic mail: CESAJ-ComplyDocs@usace.army.mil (not to exceed 10 MB).

The Permittee shall reference this permit number, SAJ-2016-02663(SP - LSL), on all submittals.

2. Commencement Notification: Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall provide a written notification of the date of commencement of authorized work to the Corps.

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" form (Attachment A) to the Corps. The as-built drawings shall be signed and sealed by a registered professional engineer and include the following:

a. A plan view drawing of the location of the authorized work footprint, as shown on the permit drawings, with transparent overlay of the work as constructed in the same scale as the permit drawings on 8½-inch by 11-inch sheets. The plan view drawing should show all "earth disturbance," including wetland impacts and water management structures.

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. Include the Department of the Army permit number on all sheets submitted.

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 4 of 11

4. Agency Changes/Approvals: Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the Permittee is advised a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the Panama City Permits Section. The Corps reserves the right to fully evaluate, amend, and approve or deny the request for modification of this permit.

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 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.

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

7. 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 the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

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

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 5 of 11

Special Condition ; and if deemed necessary by the SHPO, THPO(s), 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 Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). 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 State Archeologist and from the Corps.

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

9. Fill Material: The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

10. Manatee Conditions: The Permittee shall comply with the “Standard Manatee Conditions for In-Water Work – 2011” (Attachment B).

11. Sea Turtle and Smalltooth Sawfish Conditions: The Permittee shall comply with National Marine Fisheries Service's “Sea Turtle and Smalltooth Sawfish Construction Conditions” dated March 23, 2006, (Attachment C).

12. Incidents where Johnson’s seagrass, or any individuals of whale, sea turtle, sturgeon, sawfish, coral, or other species listed by NOAA Fisheries under the Endangered Species Act appear to be injured or killed as a result of discharges of

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 6 of 11

dredged or fill material into waters of the United States or structures or work in navigable waters of the United States authorized by this NWP shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Office of the Jacksonville District of the U.S. Army Corps of Engineers at 904-232-1177. The finder should leave the plant or animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible, take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure, or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries, Office of Protected Resources, to collect specimens or take other measures to ensure that evidence intrinsic to the specimen is preserved.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403)

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344)

() Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413)

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 7 of 11

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 8 of 11

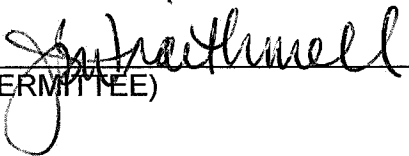
decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 9 of 11

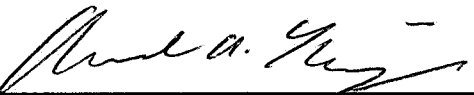
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.


(PERMITTEE)

2 August 2017
(DATE)

Julie B. Wraithmell
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.


(DISTRICT ENGINEER)

27 December 2017
(DATE)

for
Jason A. Kirk, P.E.
Colonel, U.S. Army
District Commander

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 9 of 11

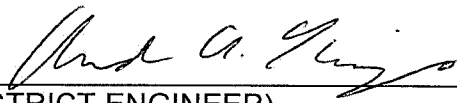
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.


(PERMITTEE)

12/21/2017
(DATE)

Jennifer Harper
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.


(DISTRICT ENGINEER)

27 December 2017
(DATE)

for Jason A. Kirk, P.E.
Colonel, U.S. Army
District Commander

PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 10 of 11

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. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE-SIGNATURE)

(DATE)

(NAME-PRINTED)

(ADDRESS)

(CITY, STATE, AND ZIP CODE)

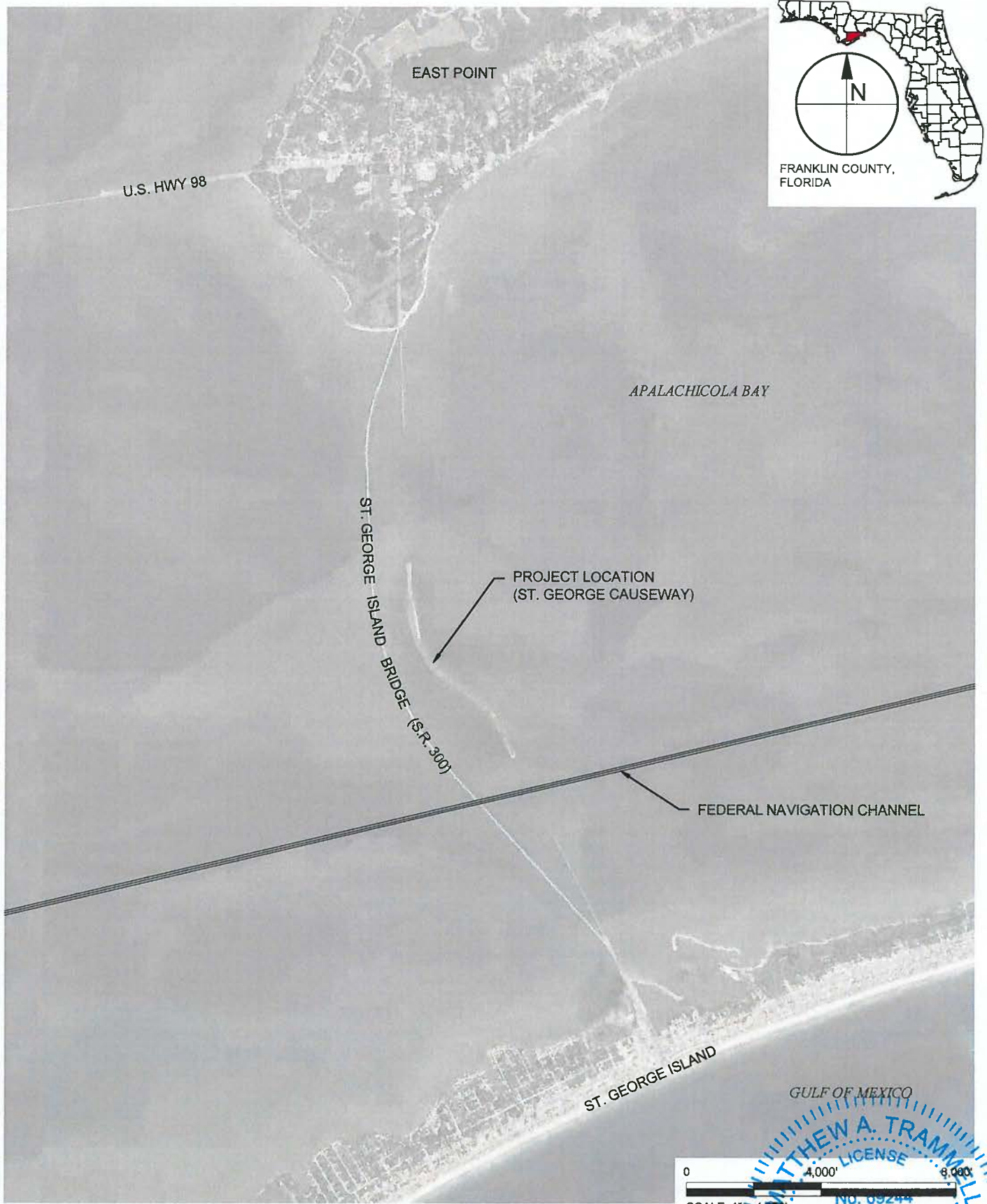
PERMIT NUMBER: SAJ-2016-02663

PERMITTEES: Florida Coastal Office/FDEP and Audubon Florida

PAGE 11 of 11

***Attachments to Department of the Army
Permit Number SAJ-2016-02663***

1. PERMIT DRAWINGS: 10 pages, dated July 2016.
2. WATER QUALITY CERTIFICATION: 4 pages. Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 2 of this DA permit.
3. AS-BUILT CERTIFICATION FORM: 2 pages
4. MANATEE CONDITIONS: 2 pages, *Standard Manatee Conditions for In-Water Work – 2011*.
5. SEA TURTLE – SAWFISH CONDITIONS: 1 page, *Sea Turtle and Smalltooth Sawfish Construction Conditions, revised March 23, 2006*



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE C-1
LOCATION MAP
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA**

PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	1 of 10	JULY 2016



GENERAL NOTES:

1. ALL ELEVATIONS REFERENCE THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD 88), ELEVATIONS IN FEET UNLESS NOTED OTHERWISE.
2. ALL COORDINATES REFERENCE STATE PLANE FLORIDA NORTH, NORTH AMERICAN DATUM 1983 (NAD 83), COORDINATES IN FEET UNLESS NOTED OTHERWISE.
3. EXISTING BATHYMETRY FOR APALACHICOLA BAY OBTAINED FROM NOAA'S ESTUARINE BATHYMETRY WEBSITE [HTTP://ESTUARINEBATHYMETRY.NOAA.GOV/](http://ESTUARINEBATHYMETRY.NOAA.GOV/).
4. FEDERAL NAVIGATION CHANNEL LIMITS OBTAINED FROM THE U.S. ARMY CORPS OF ENGINEERS MOBILE DISTRICT WEBSITE [HTTP://NAVIGATION.SAM.USACE.ARMY.MIL/SURVEYS](http://NAVIGATION.SAM.USACE.ARMY.MIL/SURVEYS).
5. AERIAL IMAGERY TAKEN IN 2015 AND OBTAINED FROM GOOGLE EARTH. AERIAL IMAGERY DISPLAYED HEREON FOR INFORMATIONAL PURPOSES ONLY. NO PHOTOGRAPHIC ACCURACY IS IMPLIED BY THESE MAPS.
6. OYSTER BEDS OBTAINED FROM U.S. GEOLOGICAL SURVEY WEBSITE: [HTTP://PUBS.USGS.GOV/OF/2009/1031/HTML/CATALOG.HTML](http://PUBS.USGS.GOV/OF/2009/1031/HTML/CATALOG.HTML).
7. SEAGRASS BOUNDARIES OBTAINED FROM FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION WEBSITE: [HTTP://GEODATA.MYFWC.COM/DATASETS/4D1B4E758E704DEF90773BD49806DD4C_6](http://GEODATA.MYFWC.COM/DATASETS/4D1B4E758E704DEF90773BD49806DD4C_6).
8. APALACHICOLA AQUATIC PRESERVE BOUNDARY OBTAINED FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION WEBSITE: [HTTP://WWW.DEP.STATE.FL.US/GIS/DATADIR.HTM](http://WWW.DEP.STATE.FL.US/GIS/DATADIR.HTM).
9. WETLAND BOUNDARIES ESTABLISHED AND SURVEYED BY SCHEDA ECOLOGICAL ASSOCIATES, INC. ON MAY 8, 2015.
10. MEAN HIGH WATER LINE DRAWN ALONG EXISTING BULKHEAD PER THE DIRECTION OF FDEP AND USACE STAFF AT THE MAY 20, 2015 PRE-APPLICATION MEETING.
11. CONSTRUCTION SHALL NOT VIOLATE STATE WATER QUALITY STANDARDS
12. MATERIALS ARE SUBJECT TO CHANGE. FINAL MATERIALS WILL BE DETERMINED DURING FINAL DESIGN.
13. THE LOCATION OF TURBIDITY CURTAINS SHOWN ON THESE DRAWINGS FOR INFORMATIONAL PURPOSES ONLY. TURBIDITY CURTAINS SHALL BE LOCATED AND REPOSITIONED BY THE CONTRACTOR USING BEST MANAGEMENT PRACTICES TO ASSURE WATER QUALITY STANDARDS ARE MAINTAINED THROUGHOUT CONSTRUCTION.

PROPOSED ROCK SHORELINE STABILIZATION PLAN:

1. TOTAL STRUCTURE LENGTH:

AREA	LENGTH (FT.)
1	320
2	560
3	1,150
4	580
TOTAL	2,610

2. TOTAL STRUCTURE AREA:

AREA	WETLAND IMPACT AREA (SQ. FT.)	BAY BOTTOM COVERAGE AREA (SQ. FT.)
1	1,304	7,472
2	2,013	13,076
3	3,994	26,853
4	2,473	13,543
TOTAL	9,784	60,944

3. TIDAL DATUM REFERENCE:

MHHW ——— 0.61'
MHW ——— 0.43'

MSL ——— -0.31'

MLW ——— -1.05'
MLLW ——— -1.56'

NAVD 88 ——— 0.00'



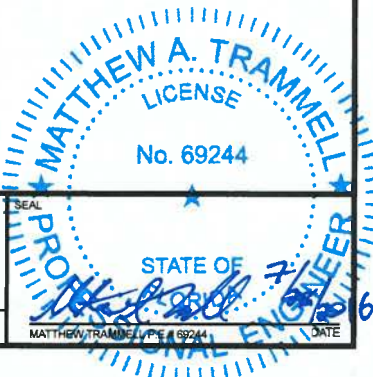
TAYLOR ENGINEERING INC.

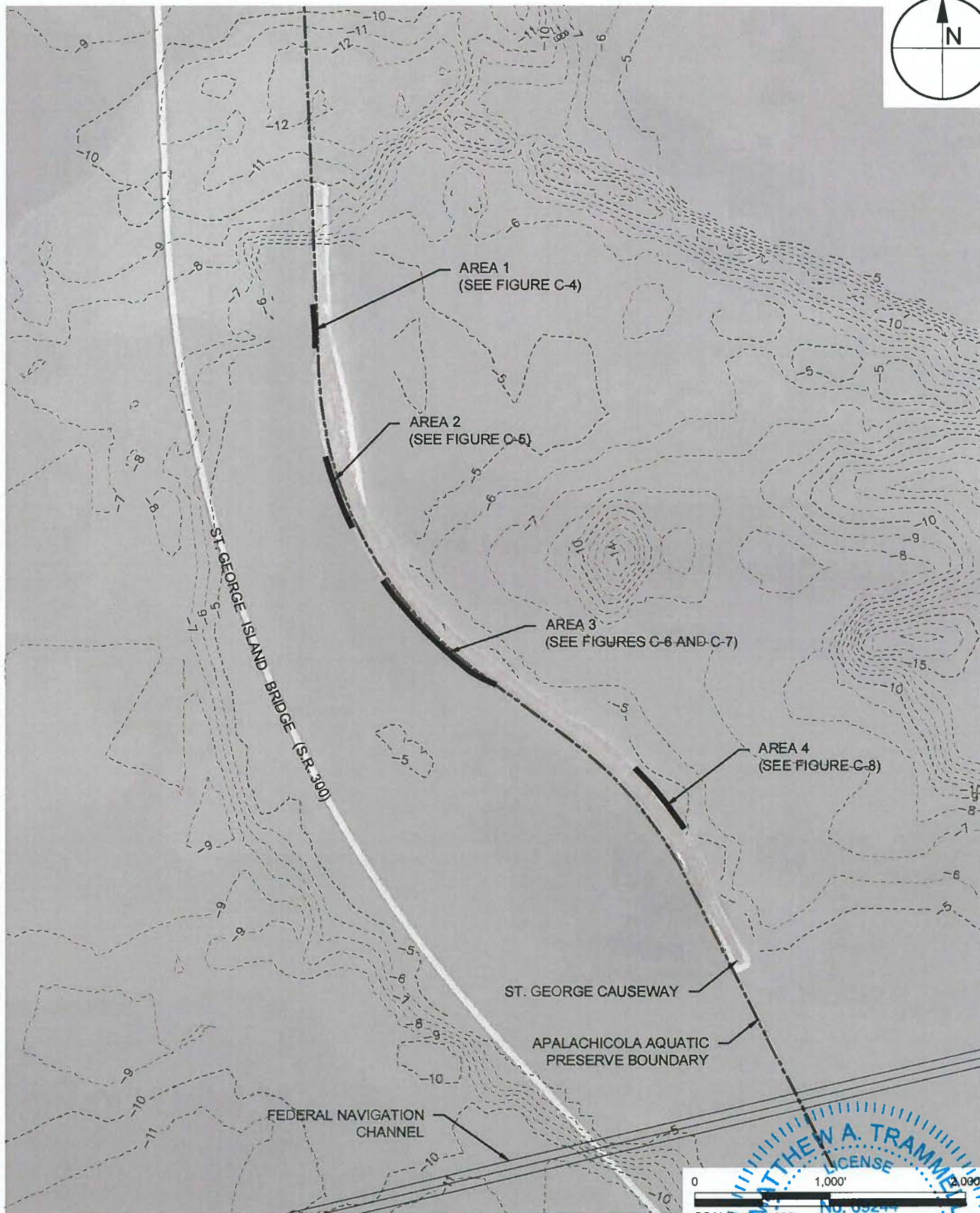
1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

FIGURE C-2
GENERAL NOTES
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT C2016-005 DRAWN BY AF SHEET 2 of 10 DATE JULY 2016





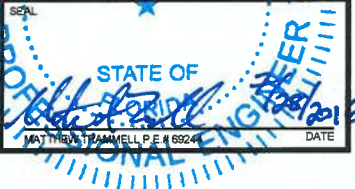
TAYLOR ENGINEERING INC.

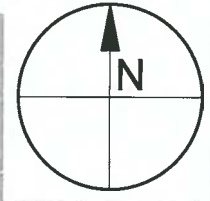
1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE C-3
PROJECT OVERVIEW
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA**

PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	3 of 10	JULY 2016





MHW (ALONG EXISTING BULKHEAD)

NORTHERN LIMITS OF CONSTRUCTION
N: 255,123
E: 1,845,635

PROPOSED ROCK
STABILIZATION
EXTENSION
~90'

PROPOSED ROCK
STABILIZATION STRUCTURE

USACE/FDEP WETLAND LINE

TURBIDITY CURTAIN

PROPOSED
ROCK
STABILIZATION
~137'

PROPOSED BAY BOTTOM
COVERAGE: 7,472 SQ. FT.

PROPOSED WETLAND IMPACT:
1,304 SQ. FT.

APALACHICOLA BAY

PROPOSED ROCK
STABILIZATION
EXTENSION
~92'

SOUTHERN LIMITS OF CONSTRUCTION
N: 254,803
E: 1,845,650

EXISTING
WALL TO
REMAIN



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

FIGURE C-4
AREA 1 STABILIZATION PLAN
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

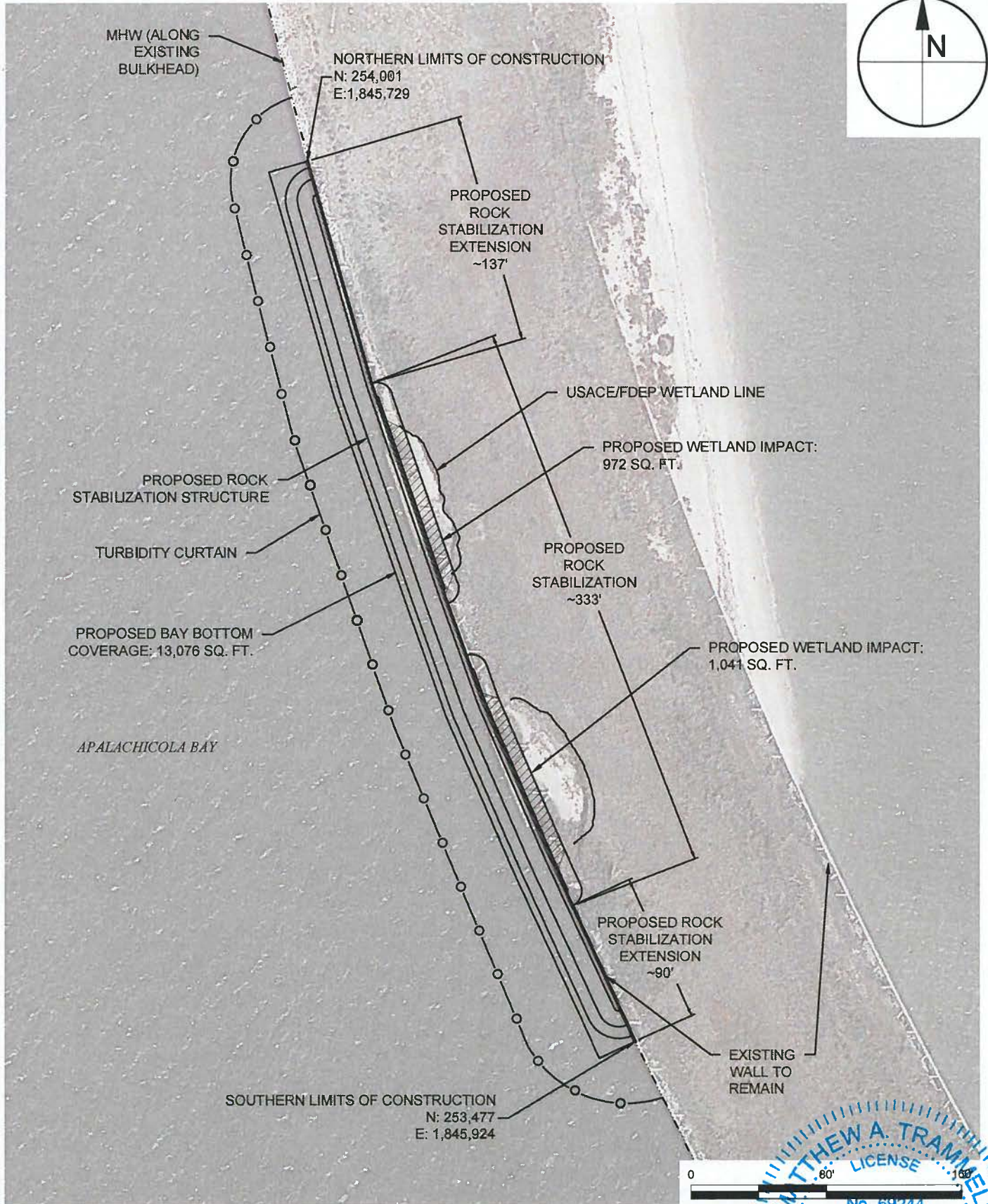
PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	4 of 10	JULY 2016

DATE
MATTHEW TRAMMELL

ANTON FLEWELLING X:\SYS\PROJECTS\C2016-005_AUDUBON\PERMIT\C2016-005-P-AREA\PLANS DWG 7/26/2016 2:19:02 PM

PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

ANTON FLEWELLING X:\S\PROJECTS\2016-005_AUDUBON\PERMIT\2016-005-P-AREA\PLANS.DWG 7/26/2016 2:19:09 PM



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

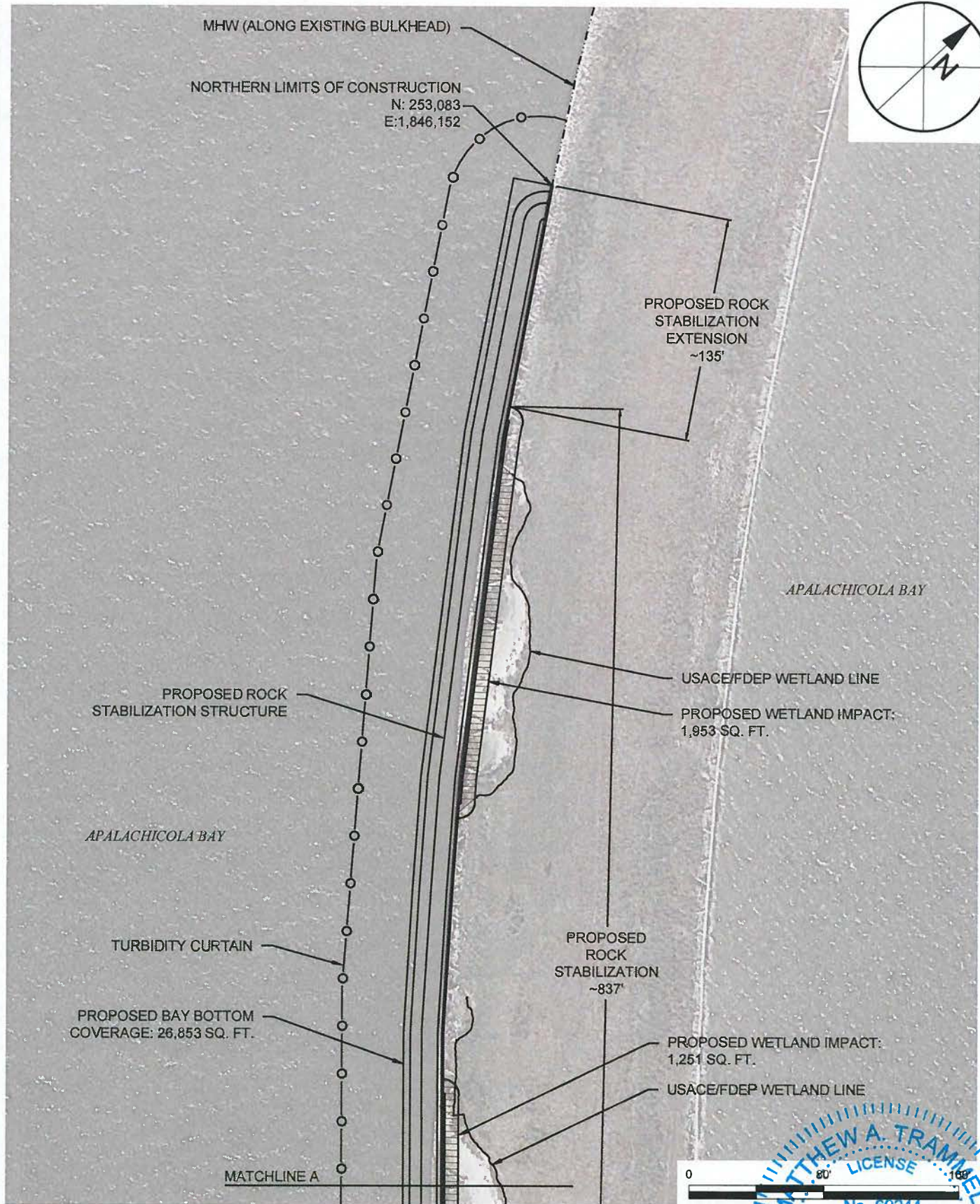
FIGURE C-5
AREA 2 STABILIZATION PLAN
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	5 of 10	JULY 2016

MATTHEW A. TRAMMELL
LICENSE
No. 69244
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DATE

PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

ANTON FLEMING X:\SYSPROJECTS\C2016-005_AUDUBON\PERMIT\C2016-005-P-AREA\PLANS DWG 7/26/2016 2:19:13 PM



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

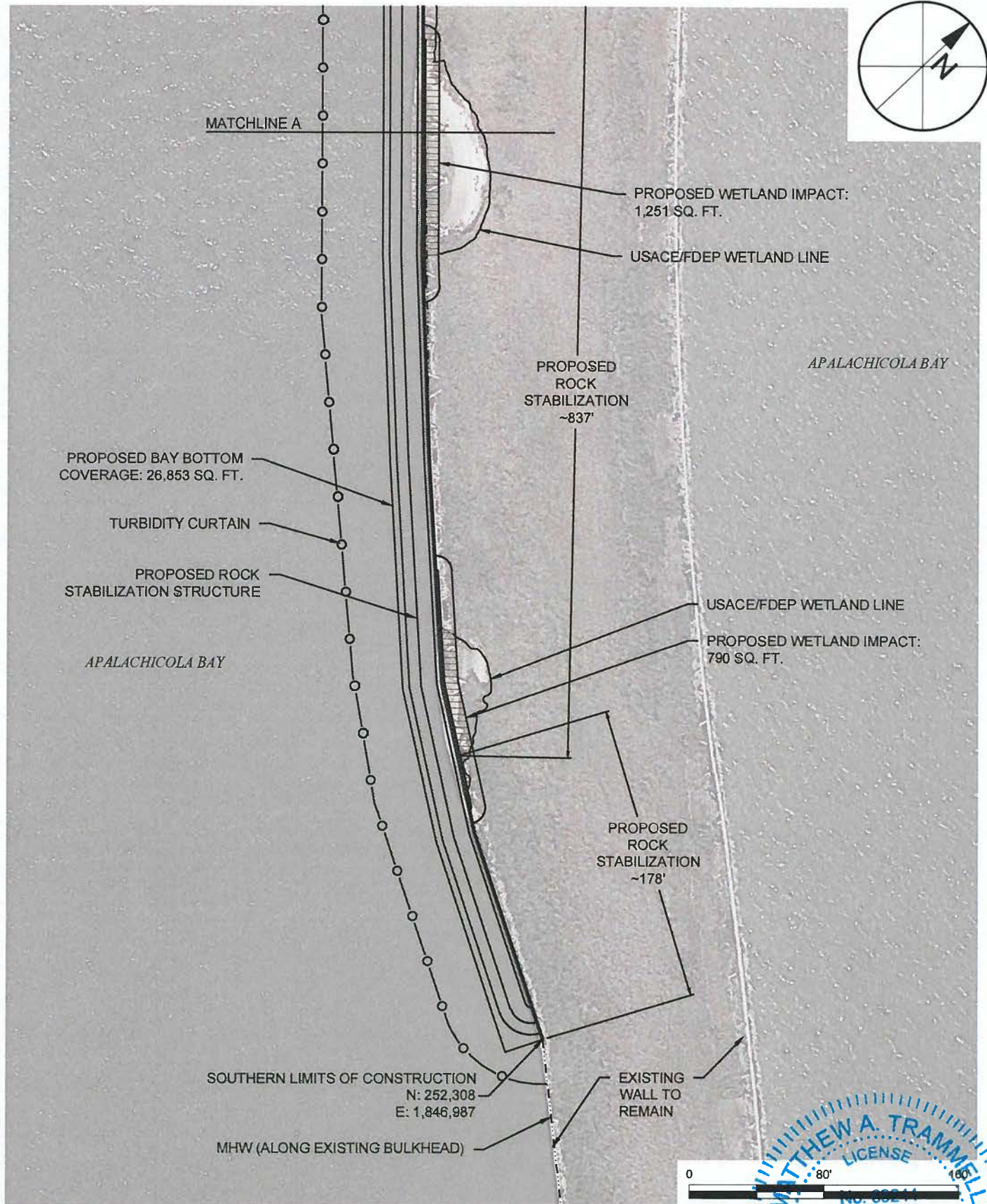
FIGURE C-6
AREA 3 STABILIZATION PLAN
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	6 of 10	JULY 2016



PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

ANTON FLEWELLING X:\SYN\PROJECTS\2016\005 AUDUBON\PERMIT\2016-005-P-AREA\PLANS DWG 7/28/2016 2:19:18 PM



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

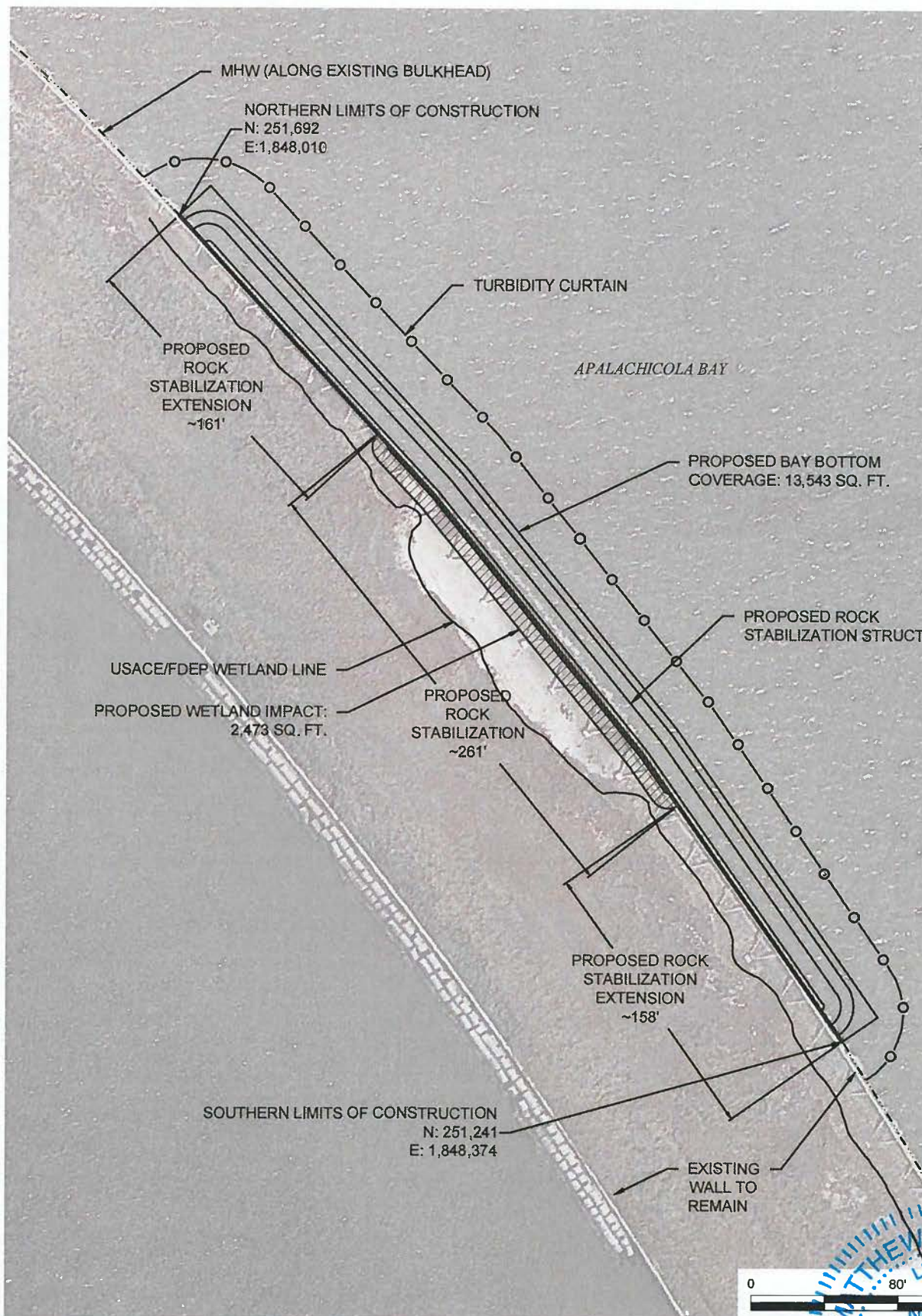
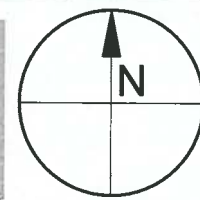
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE C-7
AREA 3 STABILIZATION PLAN
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	7 of 10	JULY 2016



PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

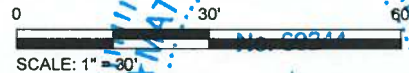
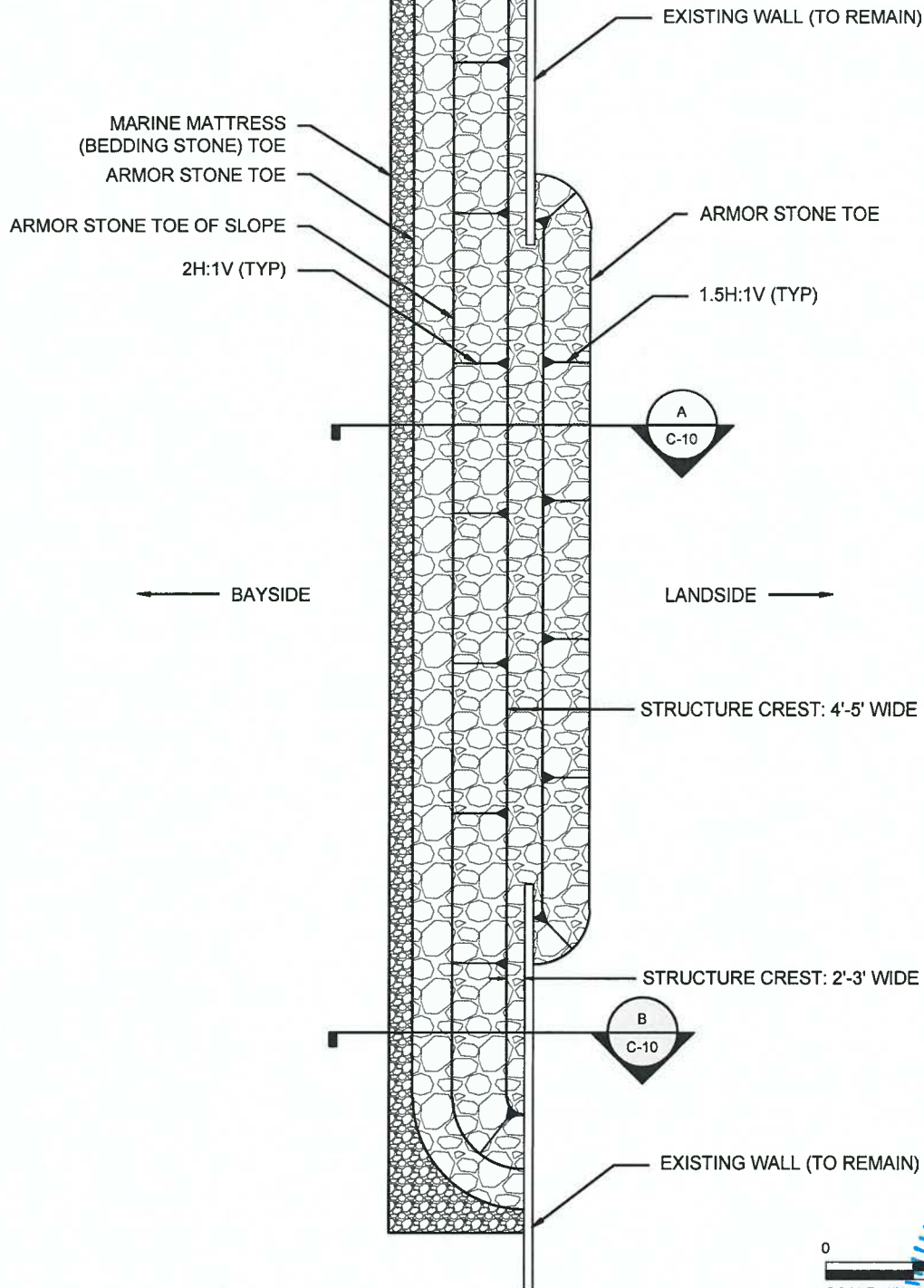
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE C-8
AREA 4 STABILIZATION PLAN
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2016-005	AF	8 of 10	JULY 2016



PRELIMINARY DRAWINGS. THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.



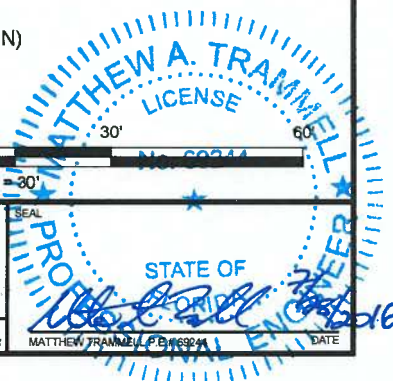
TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210
DESTIN, FLORIDA 32541

CERTIFICATE OF AUTHORIZATION # 4815

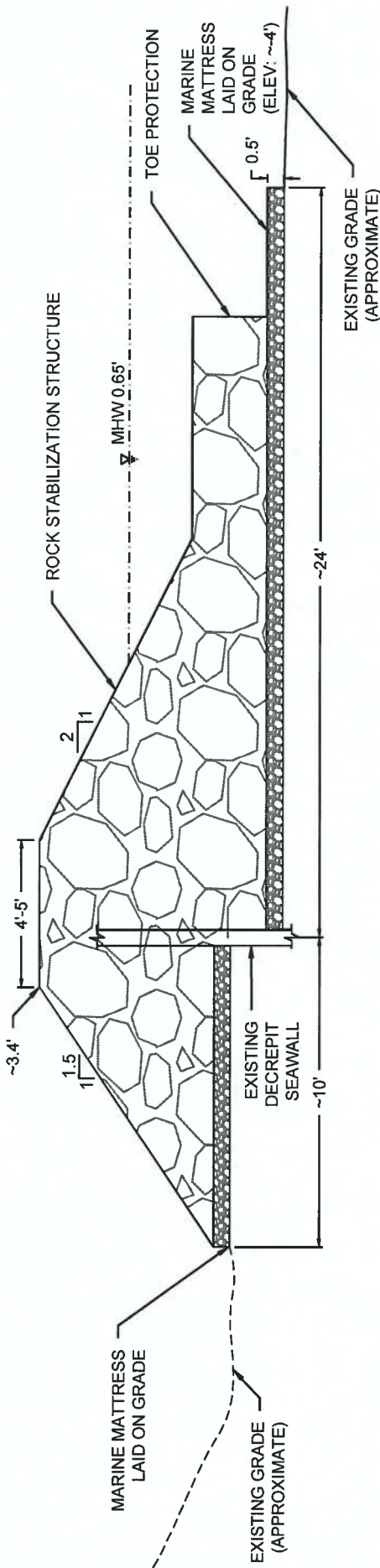
FIGURE C-9
TYPICAL STABILIZATION PLAN
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT	C2016-005	DRAWN BY	AF	SHEET	9 of 10	DATE	JULY 2016
---------	-----------	----------	----	-------	---------	------	-----------

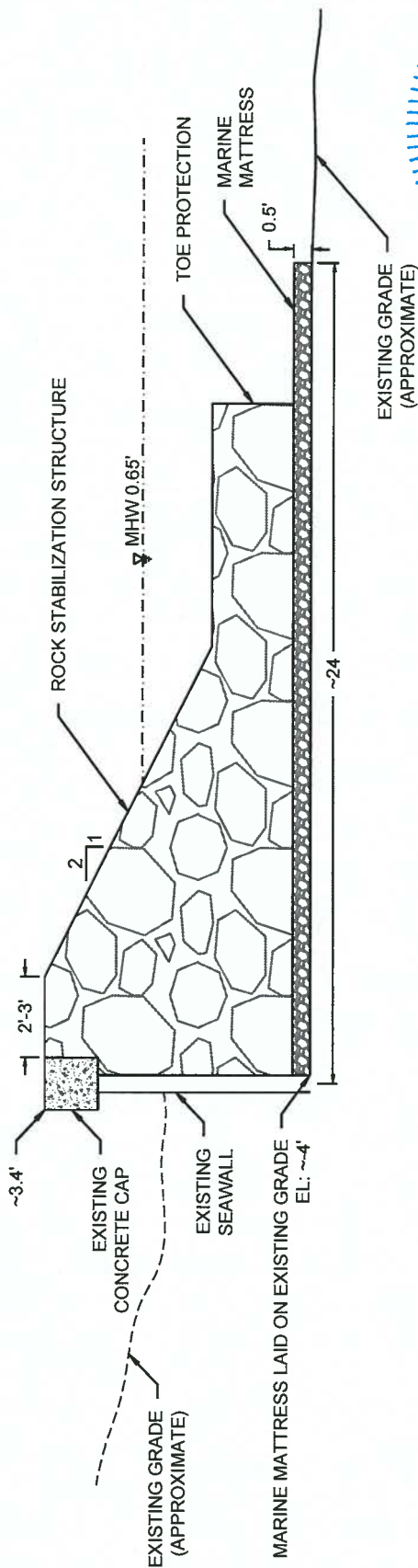


ANTON FLEWELLING X:\SYSPROJECTS\C2016-005_AUDUBON\PERMIT\C2016-005-P-TYPICALS.DWG 7/26/2016 2:19:36 PM

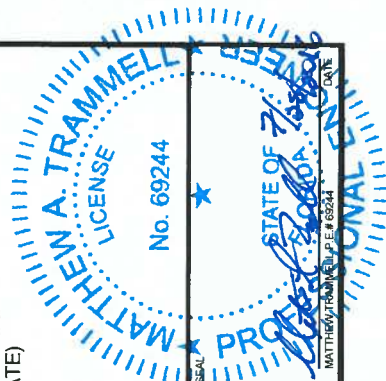
PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.



A
C-9
TYPICAL ROCK STABILIZATION SECTION
SCALE: 1" = 5'



B
C-9
TYPICAL ROCK STABILIZATION EXTENSION SECTION
SCALE: 1" = 5'



TAYLOR ENGINEERING INC.

1221 AIRPORT ROAD
SUITE 210

DESTIN, FLORIDA 32541
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE C-10
TYPICAL STABILIZATION SECTIONS
AUDUBON CAUSEWAY STABILIZATION
FRANKLIN COUNTY, FLORIDA

PROJECT	C2016-005
DRAWN BY	AF
SHEET	10 of 10
DATE	JULY 2016

PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

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. If the approved permit drawings conflict with the specific conditions, then the specific conditions shall prevail.
2. This permit does not authorize the construction of any additional structures not illustrated on the permit drawings.
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 this project's compliance coordinator, Michael Mathews, by email at Michael.Mathews@dep.state.fl.us, or by phone (850) 595-0042, to schedule the pre-construction conference.
4. The permittee shall ensure that the permit conditions are explained to all construction personnel working on the project and for providing each contractor and subcontractor with a copy of this permit before the authorized work begins.
5. Live oyster and substrate found within the project area shall be relocated based on the coordination, guidance, and authorization of the Florida Fish and Wildlife Conservation Commission (FWC) and must meet FDACS shellfish food safety requirements, as outlined in Exhibit II.
6. Prior to the initiation of any work authorized by this permit, floating turbidity screens with weighted skirts that extend to within 1 ft. of the bottom shall be placed around the immediate project 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 0 NTU's above background levels. 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.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

7. During construction, please ensure that an adequate number of self-contained sanitary facilities in the uplands to prevent contamination of nearby conditionally approved waters. The self-contained sanitary facilities shall be removed immediately after construction completion.

8. All cleared vegetation, 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.
9. There shall be no storage or stockpiling of tools or materials (i.e., lumber, pilings, equipment) within wetlands, along the shoreline within the littoral zone, or elsewhere within waters of the state unless specifically approved in the permit.
10. Any damage to wetlands outside the permitted area shall be restored to pre-construction elevations and conditions within 30 days of completion of the project and the Department shall be notified in writing of said incident.
11. This permit does not authorize the reclamation of land lost through erosion.
12. 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 any toxic or otherwise deleterious substance.
13. The slope of the riprap shall be no steeper than 2:1 horizontal to vertical.
14. The permittee shall report any damage to the Department within 24 hours that occurs to the wetlands/littoral zone area as a result of the riprap, seawall, or upland retaining wall construction. The damage will be restored by planting native vegetation of the same size, densities and species that previously existed in this area, or through other mitigation actions as determined appropriate by the Department. The restoration shall be completed within 30 days of completion of the revetment and shall be done to the satisfaction of the Department.
15. Best management practices for erosion control shall be implemented and maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Methods shall include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, and mulching; staged construction; and the installation of turbidity screens around the immediate project site.
16. The permittee shall be responsible for ensuring that erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

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. Immediately cease all work contributing to the water quality violation.
- b. Stabilize all exposed soils contributing to the violation. Modify the work procedures that were responsible for the violation and install more turbidity containment devices and repair any non-functioning turbidity containment devices.

- c. Notify the FDEP Northwest District Panama City Branch Office at (850) 872-4375, or at the address in Special Condition 21 within 24 hours of the time the violation is first detected.
-
- 17. All wetland areas or water bodies which are adjacent to the specific limits of construction authorized by this permit, and all state owned waterbodies in the vicinity, shall be protected from erosion, sedimentation, siltation, scouring, excess turbidity or dewatering.
 - 18. Dredging within waters of the State for the purpose of providing fill material is specifically prohibited.
 - 19. Loose oyster shell shall be placed around the finished project area in the manner recommended in Exhibit II.
 - 20. Construction equipment shall not be repaired or refueled in wetlands or other surface waters.
 - 21. All watercraft associated with the construction and operation of the permitted structure shall only operate within waters of sufficient depth so as to preclude bottom scouring/prop dredging.
 - 22. For emergencies involving a serious threat to the public health, safety, welfare, or environment, the emergency telephone contact number is **800-320-0519** (State Warning Point). The Department telephone number for reporting nonthreatening problems or system malfunctions is (850) 595-0663, day or night.
 - 23. The construction phase expires at 11:59 p.m. on the date indicated on the cover page of this permit, unless an application for extension is received and approved pursuant to Rule 62-346.120, F.A.C.
 - 24. The mailing address for submittal of forms for the "Construction Commencement Notice" or other correspondence is FDEP, SLERP, 470 Harrison Avenue, Panama City, Florida 32401. The permittee shall immediately notify the Department by telephone whenever a serious problem occurs during the course of this project. Notification shall be made to the Panama City Branch Office at (850) 872-4375. Within 7 days of telephone notification, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the extent of the problem, its cause, and the remedial actions taken to resolve the problem.
 - 25. Upon completion of construction, the permittee shall submit to the Department of Form 62-330.310(1) "As-Built Certification and Request for Conversion to Operation Phase". The form shall be certified by a registered professional and serve to notify the Department that the project, or independent portion of the project, is completed and ready for inspection by the Department. The person completing Form 62-330.310(1) shall inform the Department if there are substantial deviations from the plans approved as part of the permit and include as-built drawings with the form.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

26. If the Department notifies the permittee of deficiencies that must be corrected, and if the permittee fails to correct those deficiencies in a timely manner, the project will be considered to be not operating in accordance with a permit issued under Chapter 62-330, F.A.C., and the permittee will be subject to enforcement action by the Department. In such case, the permittee will be responsible for any necessary permit modifications, alterations, or maintenance to bring the project into such compliance, and for submitting any new certifications and requests to convert the permit to the operation and maintenance phase.
27. All structures authorized by this permit shall be maintained in proper operating function and shall not contribute to a violation of water quality or allowed to fall into disrepair.

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.

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, 41 North Jefferson Street, Suite 301, Pensacola, Florida, 32502. If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-3131.

1. Department of the Army Permit Number: SAJ-2016-02663 (SP-LSL)

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

Date Work Started: _____ Date Work Completed: _____

Identify any deviations from the approved permit drawings and/or special conditions (attach additional pages if necessary):

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

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

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

CAUTION: MANATEE HABITAT

All project vessels

IDLE SPEED / NO WAKE

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

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC



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

