THE OTHER PROPERTY.

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT CORPS OF ENGINEERS 1520 ROYAL PALM SQUARE BLVD, SUITE 310 FORT MYERS, FLORIDA 33919

June 28, 2018

REPLY TO ATTENTION OF

Regulatory Division West Permits Branch Fort Myers Permits Section SAJ-2016-01788(NW-SJR)

City of Naples Attn: Stephanie Molloy 295 Riverside Cir Naples, FL 34102

Dear City of Naples:

The U.S. Army Corps of Engineers (Corps) assigned your application for a Department of the Army permit, which the Corps received on June 5, 2018, the file number SAJ-2016-01788. A review of the information and drawings provided indicates that the proposed work would result in the creation or enhancement of three oyster reef areas in Naples Bay, Gordon River, and Haldeman Creek by installing approximately 4.633 cubic yards of loose shell surrounded by approximately 413 cubic yards of limestone rock and 4' by 4' oyster shell bags spaced at a minimum of 16' apart and a maximum of 5' in height. One piling is to be jetted in site 1 for scientific data and educational signage. Site 1 is approximately 0.768 acres and will avoid the existing oyster habitat. Site 1 will have approximately 138 cubic yards of concrete by installing three 150' by 13' reef ball wave attenuation structures. Site 2 is approximately 0.212 acres and will enhance the existing oyster habitat. Site 3 is the creation of approximately 0.045 acres of oyster habitat. The project sites are located within 2.15 miles of each other, in three locations along the Naples Bay, Gordon River, and Haldeman Creek. Site 1 is located west of Parcel ID# 2076348002 and 20763520001, in Section 15, Township 50 South, Range 25 East. Site 2 is located west of Parcel ID # 20763440000, in Section 15, Township 50 South, Range 25 East. Site 3 is located west of Parcel ID # 20763440000, in Section 3, Township 50 South, Range 25 East, Collier County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) Number 27. In addition, project specific conditions have been enclosed. This verification is valid until March 18, 2022. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Internet page to access Internet links to view the Final Nationwide Permits, Federal Register Vol. 82, dated January 6, 2017,

specifically pages 1983 to 2008, and the table of Regional Conditions. The Internet page address is:

http://www.saj.usace.army.mil/Missions/Regulatory.aspx

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and, then click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 27. Enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with this verification:

- 1. All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, Cynthia Ovdenk, 1520 Royal Palm Square Boulevard, Suite 310, Fort Myers, Florida 33919. The permittee shall reference this permit number, SAJ-2016-01788(NW-SJR), on all submittals. Electronic compliance documents may be submitted to cynthia.d.ovdenk@usace.army.mil at the following web address: https://safe.amrdec.army.mil/safe/ or you can send any documents to SAJ-RD-Enforcement@usace.army.mil
- 2. Within 60 days of completion of the work authorized by this permit, the permittee shall complete the attached "Self-Certification Statement of Compliance" form and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the permittee shall describe the deviations between the work 239authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.
- 3. The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

- 4. Cultural Resources/Historic Properties:
- a. No structure or work shall adversely affect impact or disturb properties listed in the *National Register of Historic Places* (NRHP) or those eligible for inclusion in the NRHP.
- b. If during 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 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.
- 5. The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work 2011"
- 6. The Permittee shall comply with National Marine Fisheries Service's "Sea Turtle and Smalltooth Sawfish Construction Conditions" dated March 23, 2006

7. 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 within 1 foot of 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.

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

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact me by telephone at 239-334-1975 x0009.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Sincerely,

Robert Tewis Senior Project Manager

Enclosures

General Conditions
Department of the Army Permit Transfer Request
Self-Certification Statement of Compliance
Standard Manatee Conditions for In-Water Work
Sea Turtle and Smalltooth Sawfish Construction Conditions
Permit Drawings

GENERAL CONDITIONS 33 CFR PART 320-330

- 1. The time limit for completing the work authorized ends on March 18, 2022.
- 2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
- 3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort of if the site is eligible for listing in the National Register of Historic Places.
- 4. If you sell the property associated with this permit you must obtain the signature of the new owner 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 a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2016-01788(NW-SJR)

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

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEREE-SIGNATURE)	(SUBDIVISION)
(DATE)	(LOT) (BLOCK)
(NAME-PRINTED)	(STREET ADDRESS)
(MAILING ADDRESS)	
(CITY, STATE, ZIP CODE)	

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: SAJ-2016-01788(NW-SJR)

	ase print or type):
	Date Work Completed:
PROPERTY IS INACCESSIBLE	WITHOUT PRIOR NOTIFICATION: YES NO
TO SCHEDULE AN INSPECTION	N PLEASE CONTACT
Description of the Work (e.g. banketc.):	s stabilization, residential or commercial filling, docks, dredging,
Acreage or Square Feet of Impac	ts to Waters of the United States:applicable):
	mit (attach drawing(s) depicting the deviations):

	Signature of Permittee
	Date

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

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

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

CAUTION: MANATEE HABITAT

All project vessels

IDLE SPEED / NO WAKE

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

SHUT DOWN

Report any collision with or injury to a manatee:

Wildlife Alert:

888-404-FWCC (3922)

cell *FWC or #FWC





SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

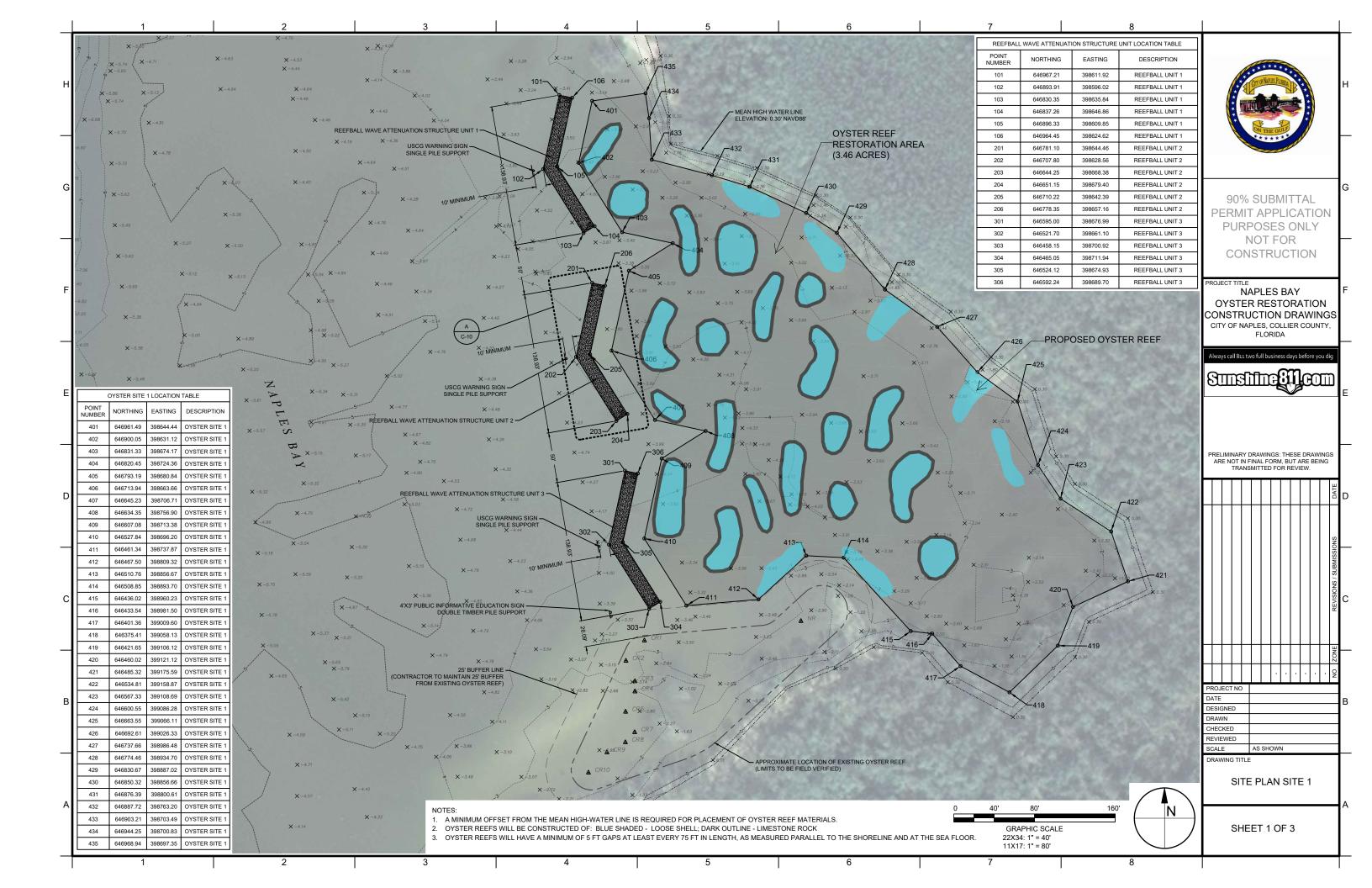
The permittee shall comply with the following protected species construction conditions:

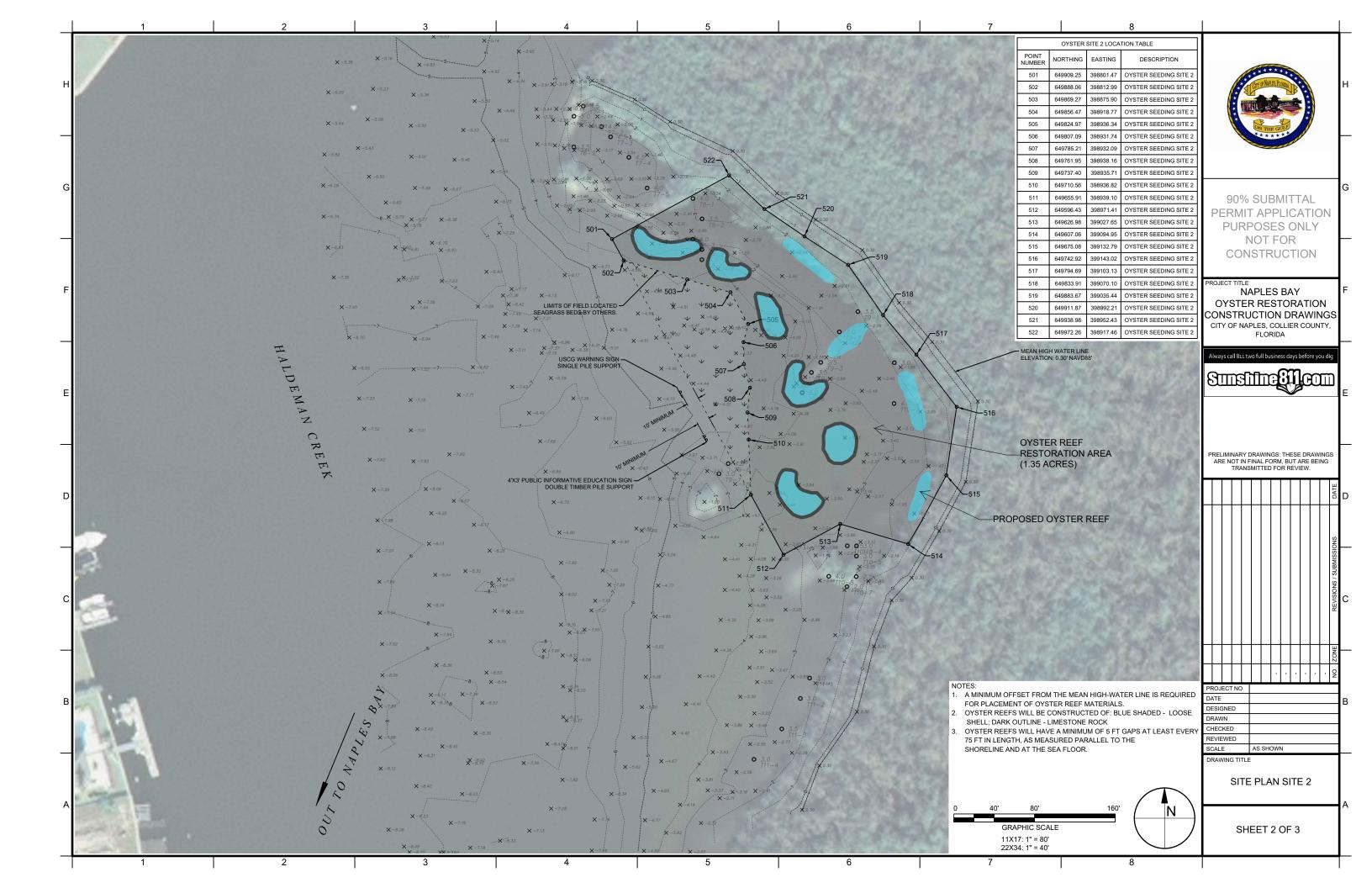
- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these 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.

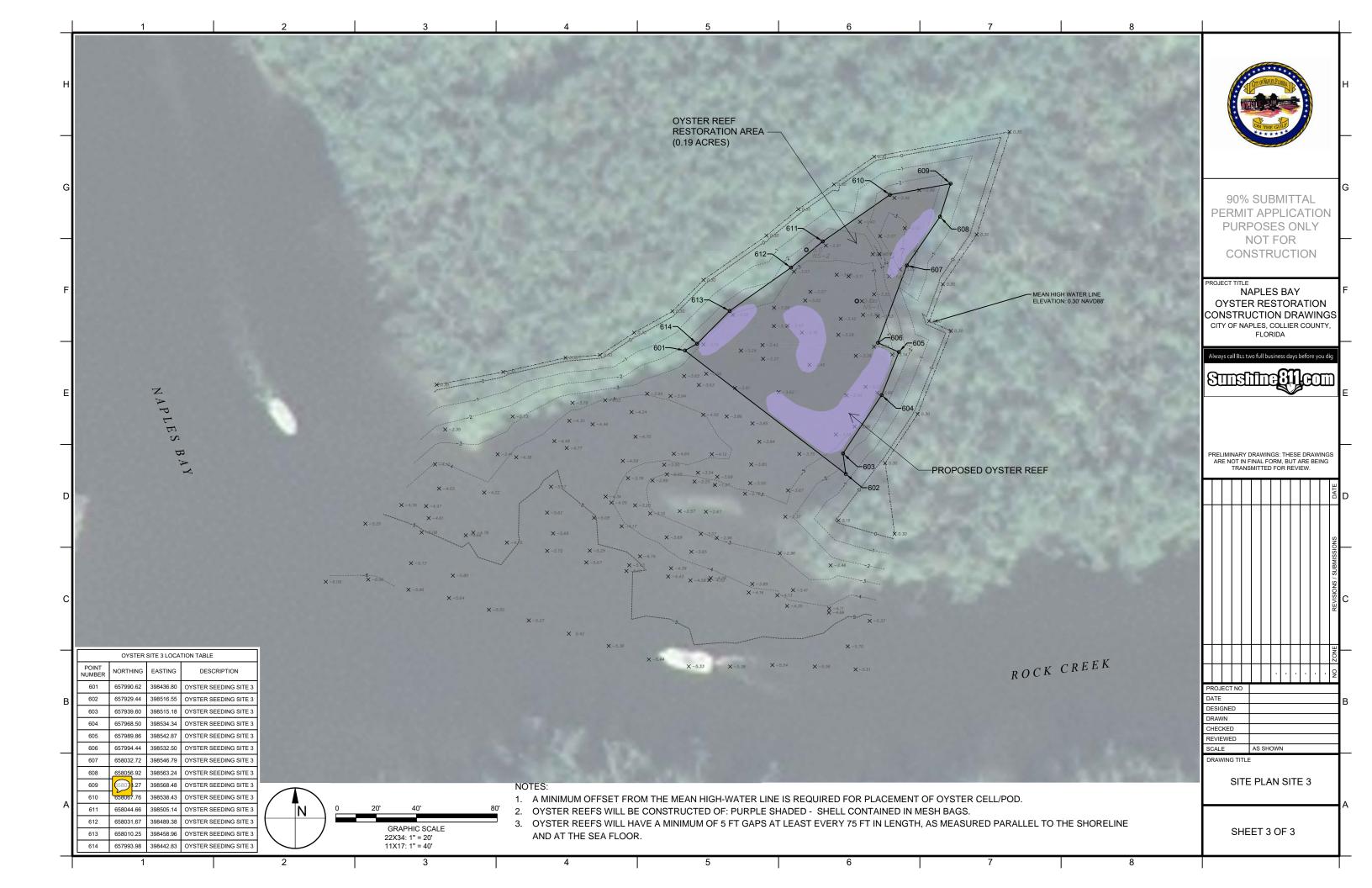
Revised: March 23, 2006

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NAPLES BAY OYSTER RESTORATION CONSTRUCTION DRAWINGS

CITY OF NAPLES, COLLIER COUNTY, FLORIDA

90% SUBMITTAL PERMIT APPLICATION **PURPOSES ONLY** NOT FOR CONSTRUCTION

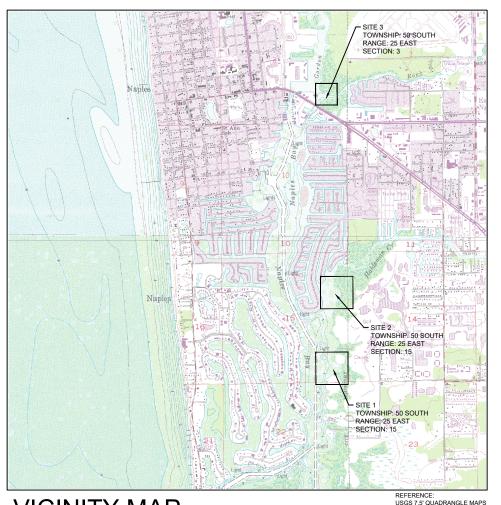






DRAWING INDEX

- TITLE SHEET
- PROJECT NOTES
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- C-11 OYSTER BAG & MARINE MATTRESS DETAILS
- C-12 USCG SIGNAGE DETAILS
- C-13 EROSION & SEDIMENT CONTROL DETAILS



VICINITY MAP 1" = 2,000' (22x34)

1'' = 4.000' (11x17)

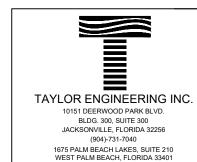
USGS 7.5' QUADRANGLE MAPS NAPLES NORTH, FLORIDA 1991

Sunshine 311 com

90% SUBMITTAL PERMIT APPLICATION

PURPOSES ONLY NOT FOR

CONSTRUCTION



(561)-640-7310

CERTIFICATE OF AUTHORIZATION # 481

NAPLES BAY OYSTER RESTORATION CONSTRUCTION DRAWINGS CITY OF NAPLES, COLLIER COUNTY, FLORIDA

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

CLIFFORD L. TRUITT P.E. # 21194

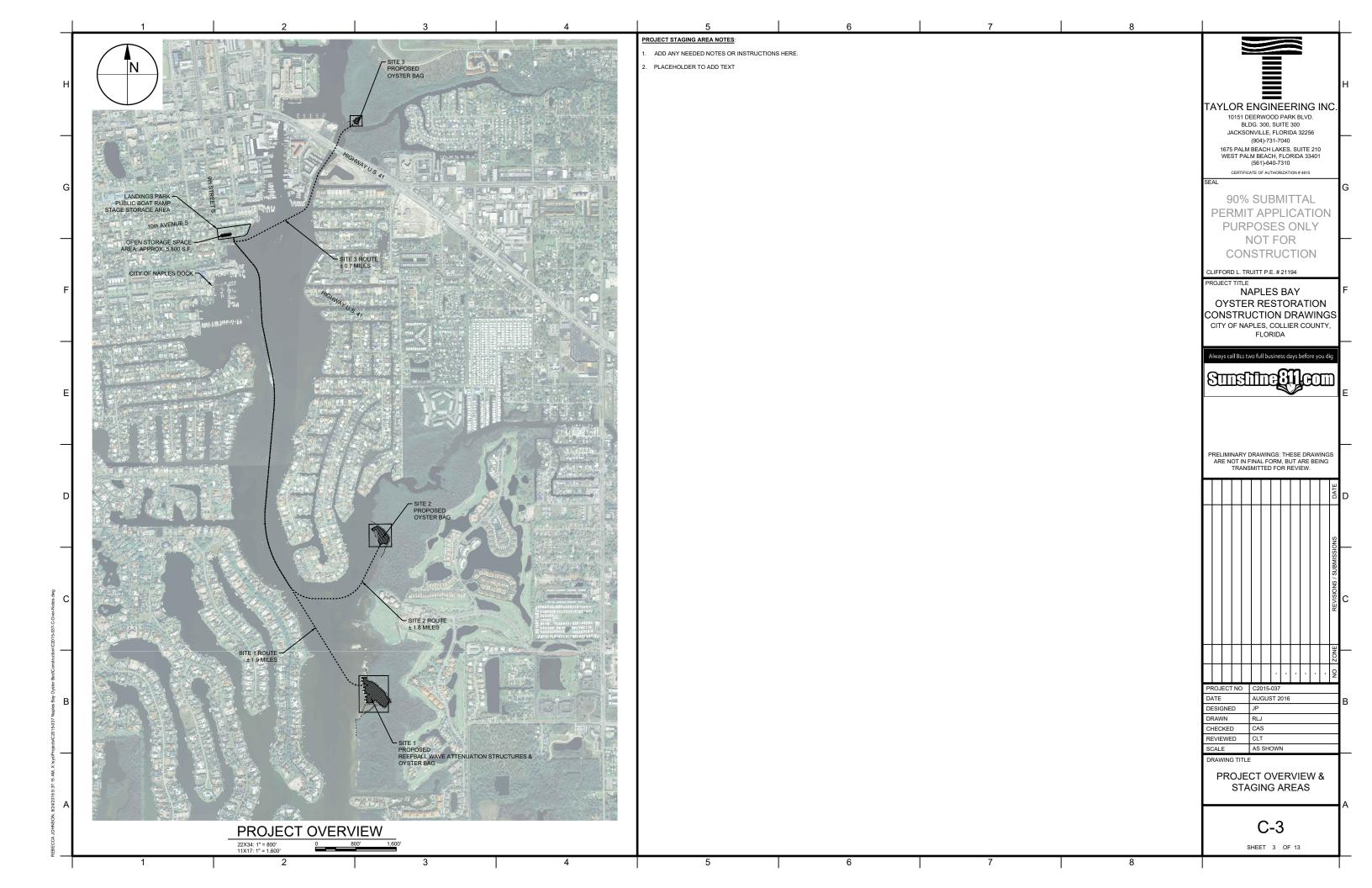
C2015-037 AUGUST 2016

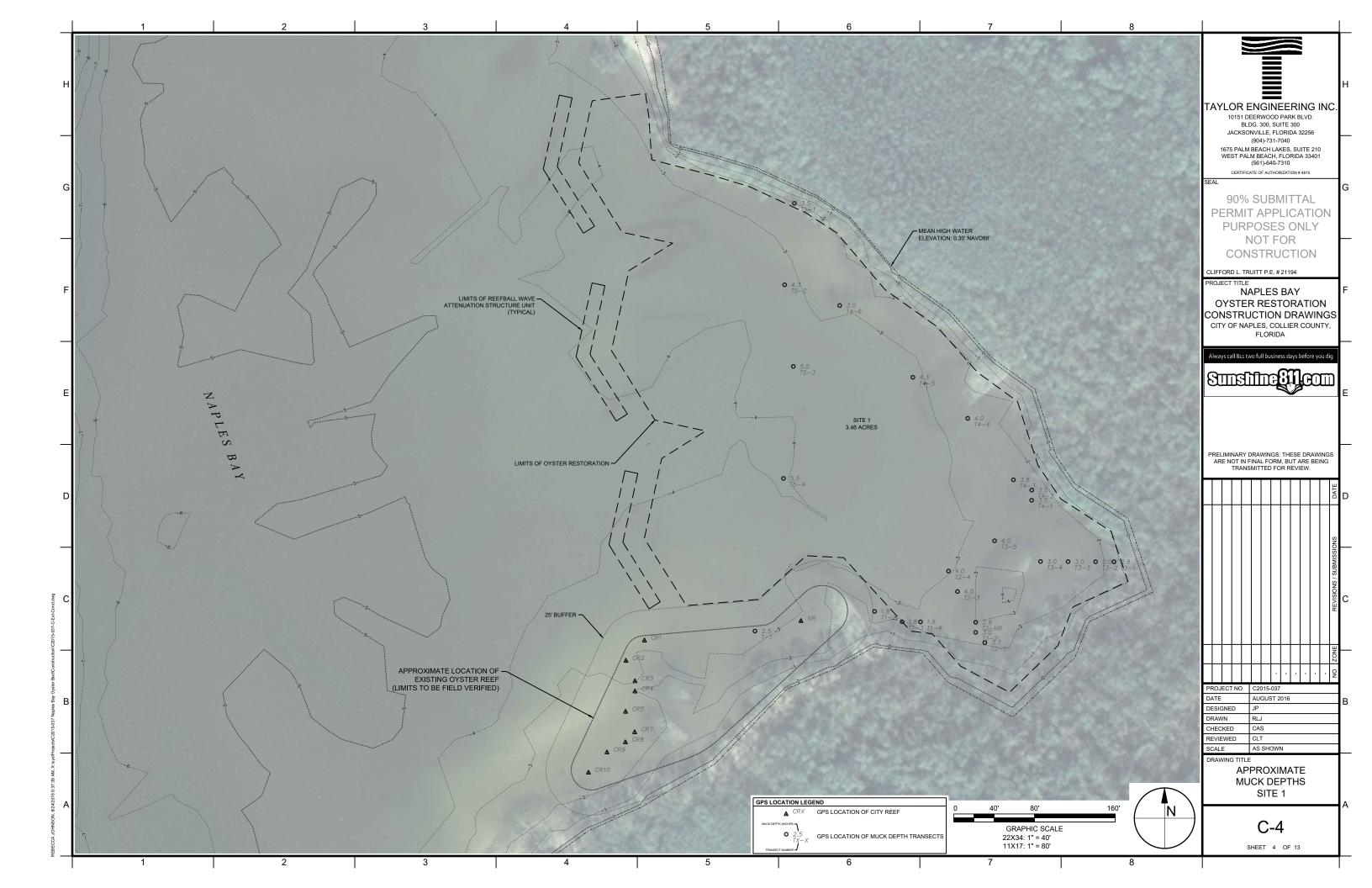
ROJECT TITLE

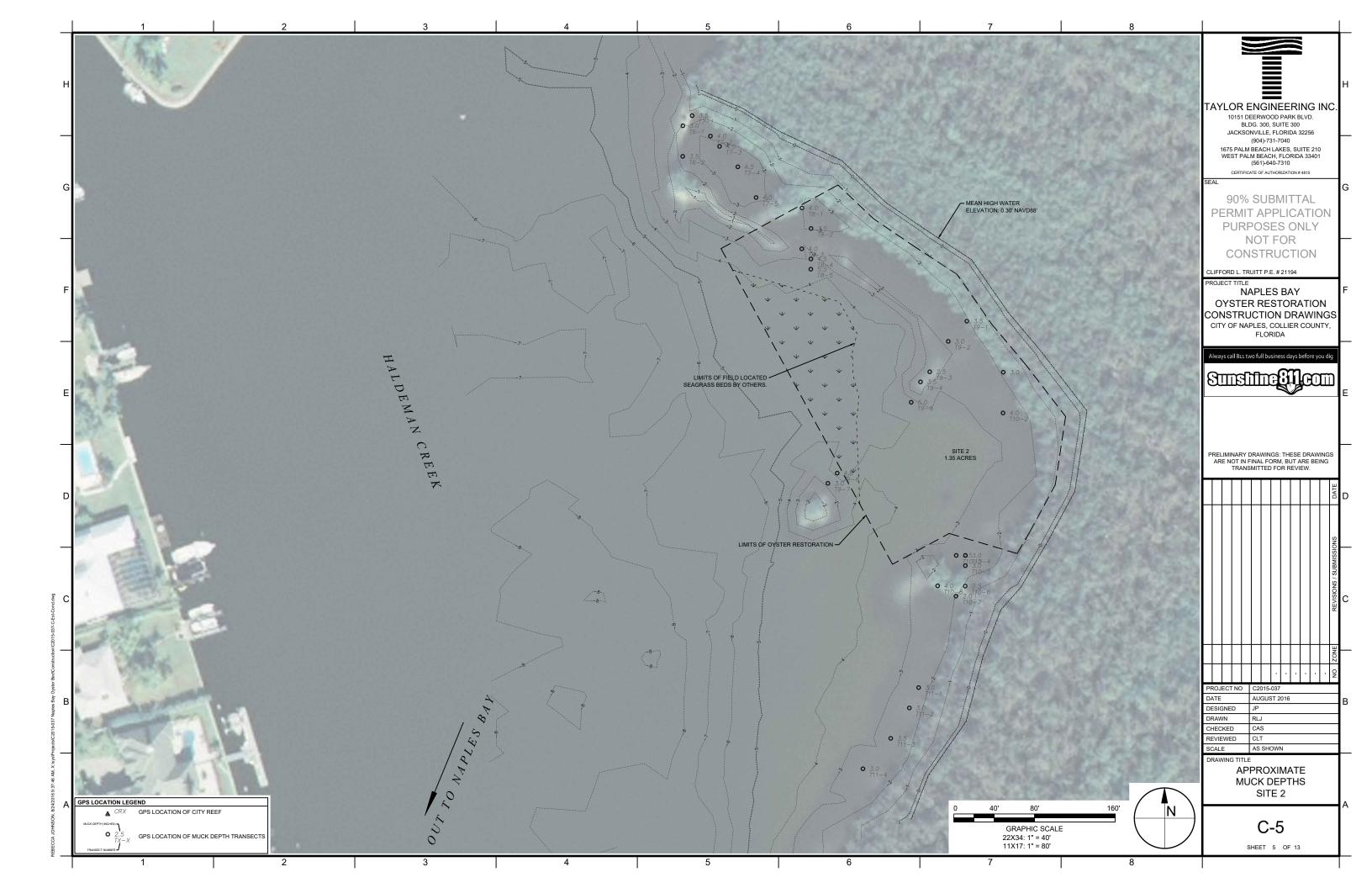
C-1 SHEET 1 OF 13

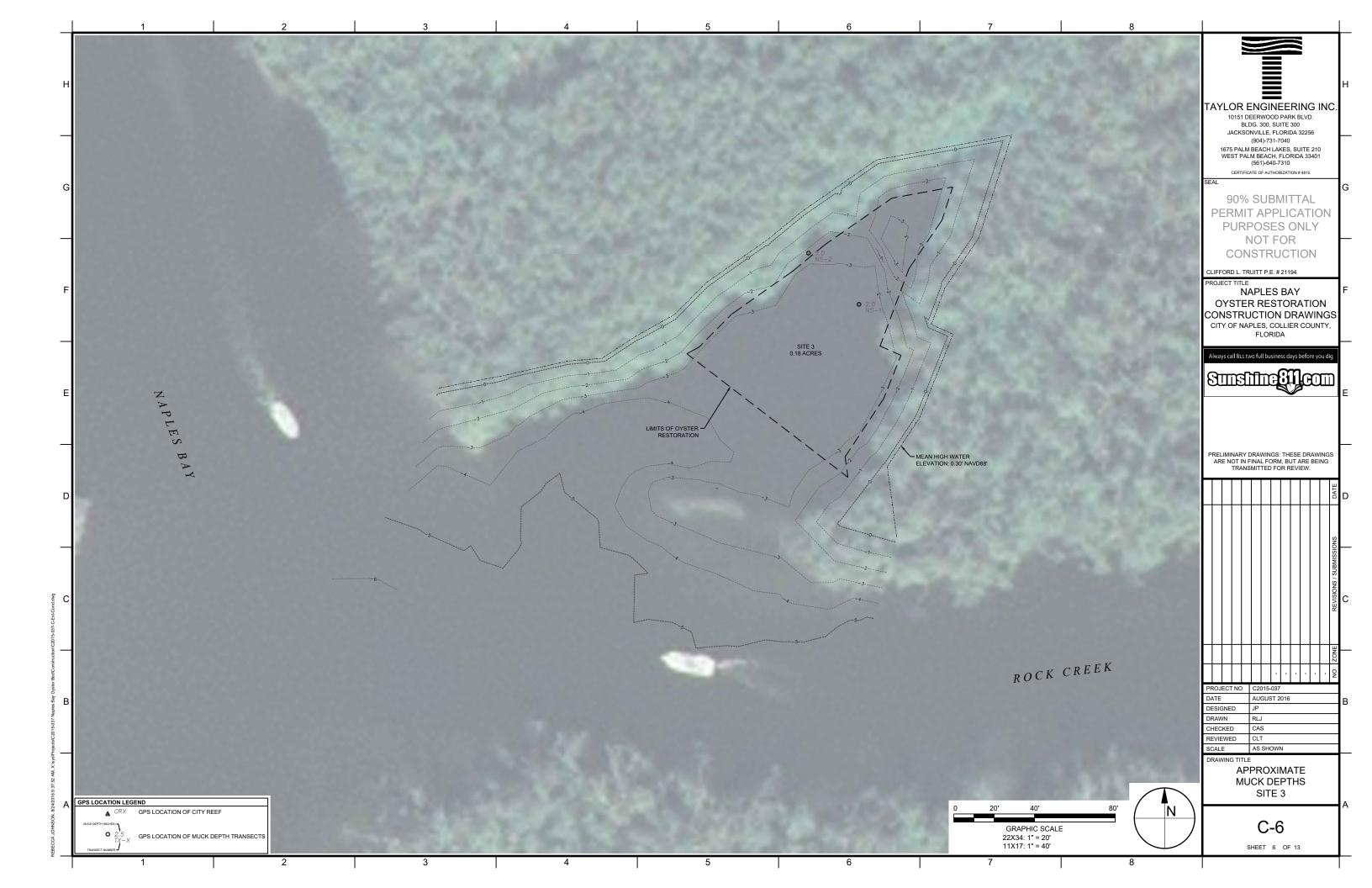
LOCATION MAP N.T.S.

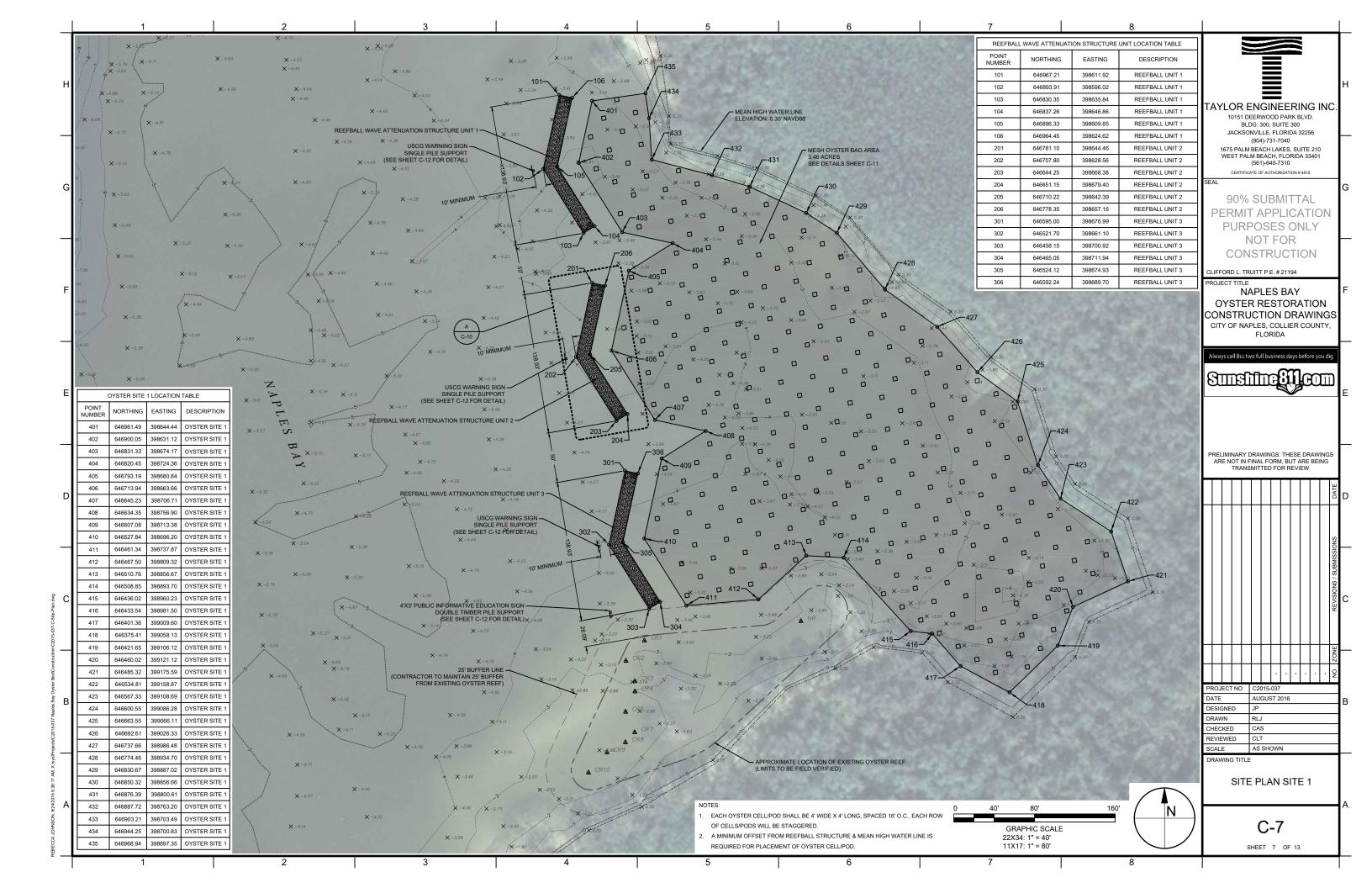
PROJECT NOTES SUBMITTALS AND TESTING REQUIREMENTS **DEFINITIONS** OWNER: CITY OF NAPLES AND THE ENTITY UNDER CONTRACT WITH THE CONTRACTOR TO PERFORM THE WORK ALL TESTING, EITHER PRE-CONSTRUCTION OR CONSTRUCTION, AS REQUIRED HEREIN OR IN THE CONTRACT DOCUMENTS, SHALL BE PERFORMED BY AN INDEPENDENT QUALIFIED TESTING COMPANY, THE COSTS OF ALL SUCH TESTING SHALL BE BORNE BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE BID PRICE. 2. ENGINEER: OWNER'S DESIGNATED REPRESENTATIVE FOR CONSTRUCTION INSPECTION AND OVERSIGHT. THE QUALIFIED TESTING AGENCY SHALL BE APPROVED PER FDOT STANDARDS, AASHTO STANDARDS OR SIMILAR SUCH STANDARDS AS APPROVED BY THE ENGINEER. ALL TESTING WORK SHALL BE DONE UNDER 3. ENGINEER OF RECORD (EOR): ENGINEER WHOSE NAME AND SEAL IS AFFIXED TO THE DRAWINGS AND THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN FLORIDA AND SHALL BE TAYLOR ENGINEERING INC SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IF REQUESTED. 4. RECORD DRAWINGS: RECORD DRAWINGS SHALL BE DEFINED AS A COPY OF THE ORIGINAL SIGNED AND SEALED DRAWINGS KEPT ONSITE AT ALL TIMES WHERE THE CONTRACTOR SHALL KEEP A RECORD OF ALL 10151 DEERWOOD PARK BLVD. 3. UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, SUBMITTALS AND REQUEST FOR INFORMATION SHALL BLDG. 300, SUITE 300 DEVIATIONS FROM THE ORIGINAL DRAWINGS MARKED IN RED PENCIL OR PEN. BE SUBMITTED TO THE ENGINEER IN WRITING IN A FORMAT ACCEPTABLE TO THE ENGINEER AND SHALL BE SUBMITTED A MINIMUM OF 6 WORKING DAYS, PREFERABLY 10 WORKING DAYS, BEFORE ACTION IS JACKSONVILLE, FLORIDA 32256 5. <u>U.N.O.</u>: UNLESS NOTED OTHERWISE (904)-731-7040 1675 PALM BEACH LAKES, SUITE 210 4. ALL REQUIRED SUBMITTALS OR MANUFACTURER'S INFORMATION SHALL BE IN U.S. CUSTOMARY UNITS. WEST PALM BEACH, FLORIDA 33401 PROJECT NOTES: 1. ALL ELEVATIONS SHOWN ARE IN FEET AND REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 6. SUBMITTALS SHALL INCLUDE UP TO 7 COPIES AS REQUESTED BY THE ENGINEER UNLESS STATED CERTIFICATE OF AUTHORIZATION # 4815 2. HORIZONTAL COORDINATES ARE BASED ON STATE PLANE COORDINATE SYSTEM FOR THE EAST ZONE (901) OF FLORIDA NAD 83/90. 90% SUBMITTAL BATHYMETRIC SURVEYS CONDUCTED ON MARCH 2016 BY DaGOSTINO & WOOD, INC. THE INFORMATION DEPICTED ON THESE DRAWINGS REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATIONS OF GENERAL CONDITIONS EXISTING AT THAT TIME. PERMIT APPLICATION PURPOSES ONLY GENERAL NOTES NOT FOR 1. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE PRIOR TO INITIATING ANY CONSTRUCTION. CONSTRUCTION 2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL STRUCTURES, OYSTER REEFS AND EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWINGS. 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TOGETHER WITH CITY OF NAPLES TO ENSURE PUBLIC AND PRIVATE SAFETY IN AND AROUND THE CONSTRUCTION SITE. CLIFFORD L. TRUITT P.E. # 21194 PROJECT TITLE 4. THE CONTRACTOR SHALL PLACE WARNING BUOYS AND SIGNS INDICATING THE AREAS AND LIMITS OF NAPLES BAY OYSTER RESTORATION 5. THE CONTRACTOR SHALL COORDINATE WORK HOURS WITH OWNER TO MEET PROJECT SCHEDULE REQUIREMENTS. CONSTRUCTION DRAWINGS 6. THE CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS AND SHALL KEEP A RECORD OF ALL CITY OF NAPLES, COLLIER COUNTY, DEVIATIONS FROM THE ORIGINAL DRAWINGS MARKED IN RED PENCIL OR PEN. THE RECORD DRAWINGS SHALL BE KEPT ONSITE AND SHALL BE AVAILABLE FOR INSPECTION BY THE ENGINEER. 7. WHEN ALL SUBSTANTIAL WORK IS DONE AND BEFORE NOTICE OF FINAL COMPLETION OF THE WORK, THE CONTRACTOR SHALL SUBMIT THE ORIGINAL RECORD DRAWINGS TO THE ENGINEER AND UP TO 5 FULL SIZE lways call 811 two full business days before you dig OR REDUCED SIZE COPIES AS REQUESTED BY THE ENGINEER. 8. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR INSPECTION BY THE ENGINEER, REGULATORY AGENCIES. AND OWNER. 9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AS NECESSARY FOR CONSTRUCTION INSPECTION AND AS-BUILT CERTIFICATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT APPROPRIATE AND APPROVED TIMES DURING THE COURSE OF THE WORK THAT THE CONTRACTOR IS READY FOR INSPECTION. WORK THAT IS ASSEMBLED OR COVERED SO THAT THE ENGINEER CANNOT INSPECT THE WORK PROPERLY SHALL BE DISASSEMBLED, UNCOVERED, OR DESTROYED AS NECESSARY FOR INSPECTION. THE COSTS OF REPAIR OR RESTORATION OF THIS WORK SHALL BE BORNE SOLELY BY THE CONTRACTOR. 10. THE CONTRACTOR SHALL PROVIDE PERSONNEL AND EQUIPMENT FOR ENGINEER TO INSPECT AND INQUIRE ABOUT THE WORK, THIS MAY INCLUDE PROJECT MANAGERS, SUPERINTENDENTS, FOREMAN, LABORERS LADDERS, HARD HATS, LIFTS, SCAFFOLDING, MEASURING DEVICES, SURVEY EQUIPMENT, LIFE JACKETS, ETC. PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR REVIEW. 11. THE CONTRACTOR SHALL WARRANTY THE WORK FOR A MINIMUM OF ONE YEAR UNLESS CLEARLY DEFINED OTHERWISE IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE MATERIALS AND WORK AT NO COSTS TO THE OWNER WITHIN THE STATED WARRANTY PERIOD. 12. ALL PERMANENT MATERIAL SHALL BE NEW. USED, RECONDITIONED, OR REMANUFACTURED MATERIAL SHALL NOT BE ALLOWED UNLESS APPROVED BY THE OWNER IN WRITING. 13. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS 14. THE CONTRACTOR SHALL VERIFY THE EXISTENCE OF ALL ABOVE-GROUND, BELOW-GROUND, AND SUBMERGED UTILITIES WITHIN THE SITES. IF ANY UTILITIES ARE FOUND, CONTRACTOR MUST LOCATED & MARK LOCATIONS BEFORE BEGINNING WORK. 15. IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, THE DRAWINGS SHALL 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ADJACENT FACILITIES AND STRUCTURES CAUSED BY HIS ACTIVITIES DURING PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL RESTORE ALL SUCH DAMAGES TO THEIR PRE-CONSTRUCTION CONDITION AT NO COSTS TO THE OWNER. 17. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. EROSION CONTROL MEASURES MUST BE IMPLEMENTED PRIOR TO ANY WORK COMMENCING AND BE MAINTAINED FOR THE DURATION OF THE PROJECT AND ONLY REMOVED WHEN ALL CONSTRUCTION AND INSTALLATION OF ALL OYSTER MESH BAGS, REEFBALL UNITS AND FOUNDATIONS FOR REEFBALL UNITS HAS BEEN COMPLETED. 18. THE CONTRACTOR MUST HAVE ALL USCG WARNING SIGNAGE AND ANY OTHER REQUIRED MARKERS, AND WARNING BUOYS IN PLACE BEFORE REMOVING WARNING BUOYS AND SIGNS INDICATING THE AREAS AND LIMITS OF CONSTRUCTION AND EROSION CONTROL MEASURES TO ENSURE THE PUBLIC IS AWARE OF RMANENT SUBMERGED STRUCTURES WITHIN THE WATERWAYS. PERMITS AND PERMIT CONDITIONS 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT SUPPLIED BY THE OWNER. COSTS OF OBTAINING PERMITS NOT SUPPLIED BY THE OWNER SHALL BE BORNE BY THE CONTRACTOR. THIS MAY INCLUDE BUT NOT BE LIMITED TO: NPDES PERMIT (OR NOI), CLEARING OR LAND DISTURBANCE PERMITS, TEMPORARY UTILITIES PERMITS, ETC. ROJECT NO C2015-037 2. UNLESS CLEARLY SPECIFIED OTHERWISE BY THE OWNER IN THE CONTRACT DOCUMENTS. THE AUGUST 2016 CONTRACTOR SHALL BE RESPONSIBLE FOR FILING ALL NOTICES OF COMMENCEMENTS AND NOTICES OF COMPLETION TO ALL PERMITTING AGENCIES INCLUDING PERMITS SUPPLIED BY THE OWNER. DESIGNED JP DRAWN RLJ CAS HECKED AS-BUILT SURVEYS REVIEWED CLT 1. UNLESS CLEARLY SPECIFIED OTHERWISE IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INCLUDE THE COST OF AN AS-BUILT SURVEY IN THE BID PRICE AND SHALL STATE A SEPARATE PRICE FOR AN AS-BUILT SURVEY IN THE BID PRICE. THE AS-BUILT SURVEY SHALL BE SIGNED AND SEALED BY A SURVEYOR LICENSED IN THE STATE OF FLORIDA AND SHALL SHOW THE LOCATION AND ELEVATION OF ALL AS SHOWN DRAWING TITLE CONSTRUCTED OR INSTALLED FEATURES . 2. THE AS-BUILT SURVEY SHALL BE SUBMITTED IN DIGITAL AND 22" X 34" PAPER VERSIONS (UP TO 5 COPIES) TO THE ENGINEER FOR APPROVAL. THE AS-BUILT SURVEY SHALL BE PERFORMED IN THE SAME HORIZONTAL **PROJECT NOTES** AND VERTICAL COORDINATE SYSTEM THE DRAWINGS ARE IN. DIGITAL DRAWINGS SHALL BE IN AUTOCAD C-2 SHEET 2 OF 13

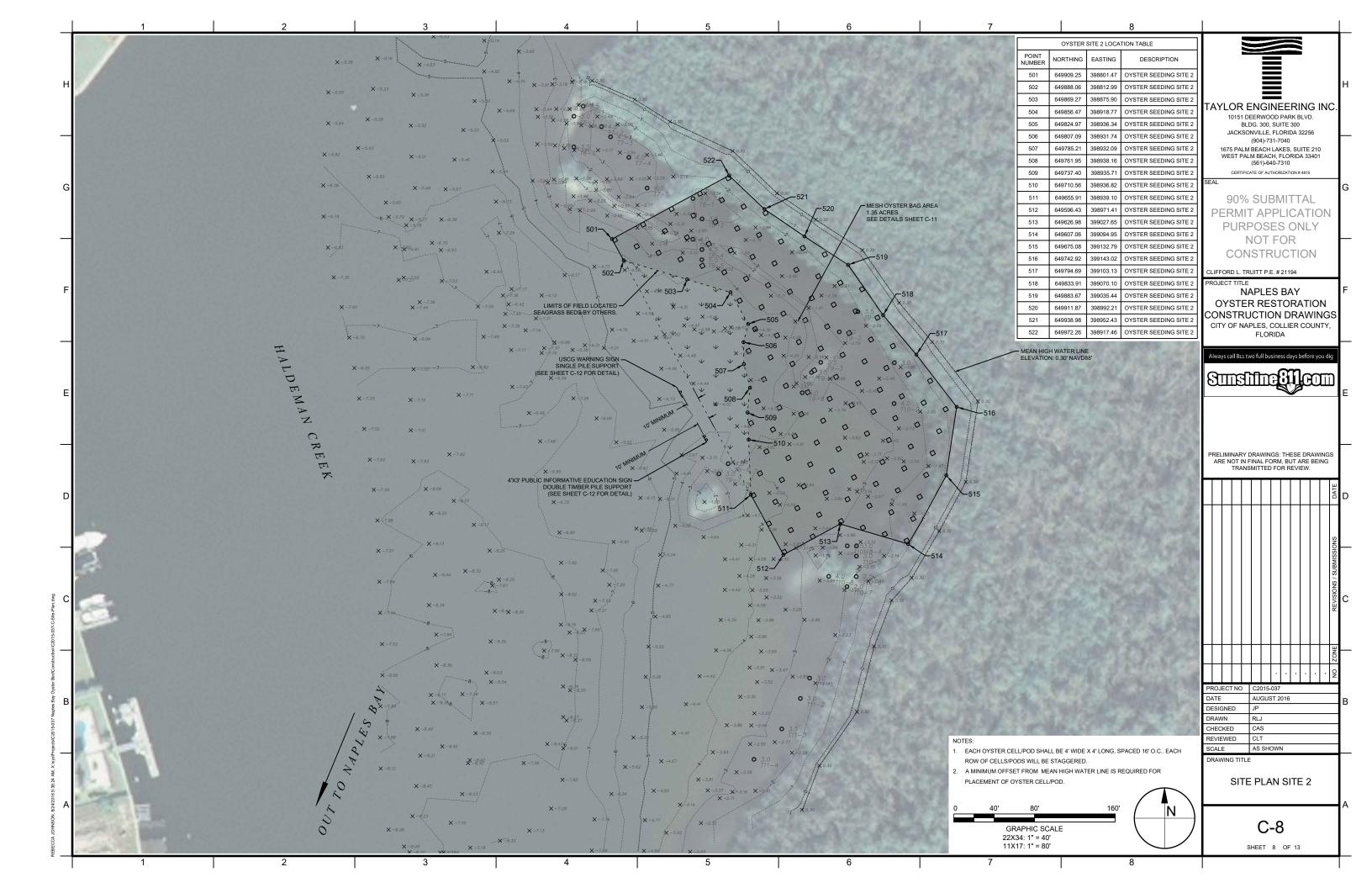


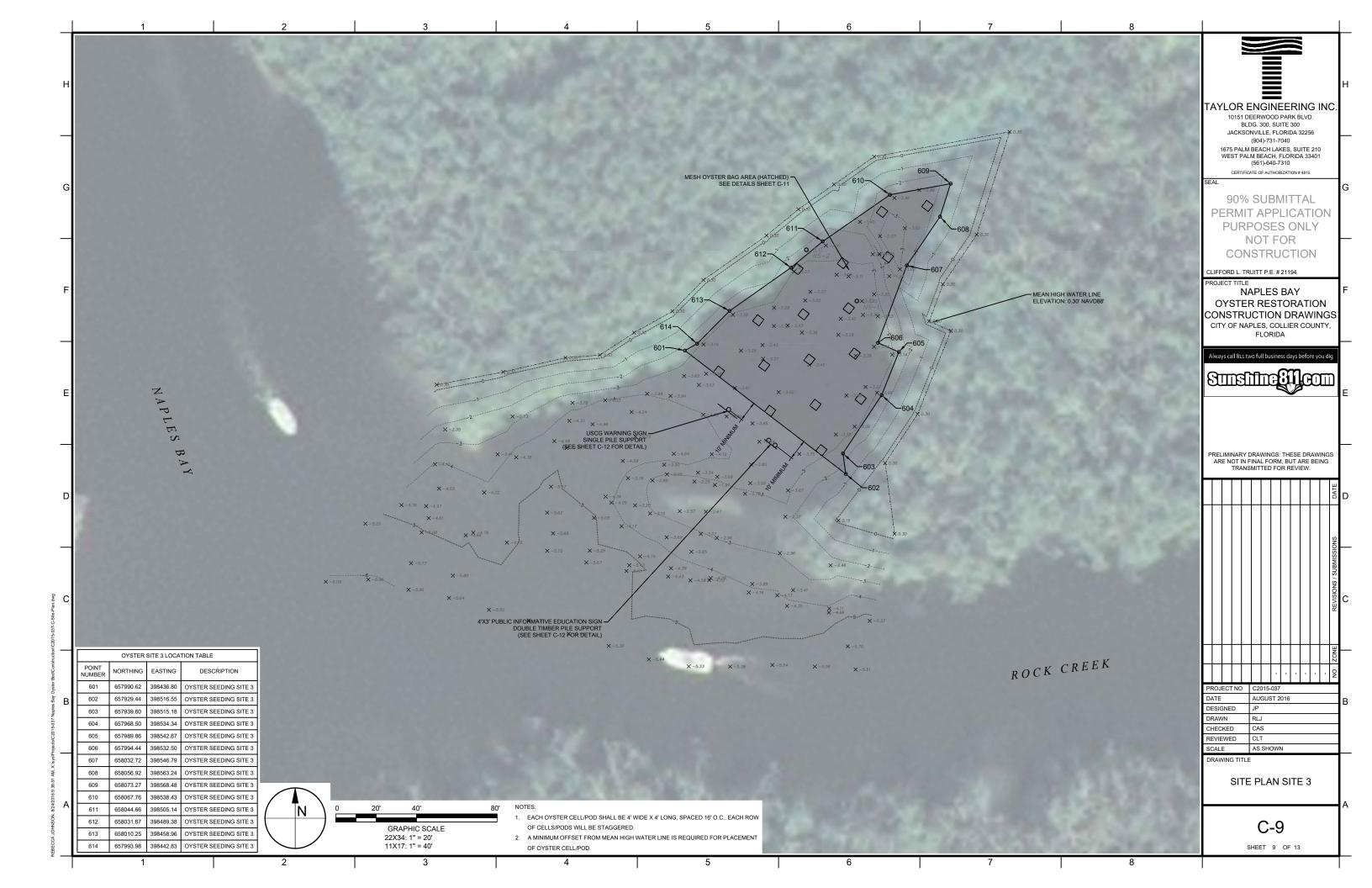


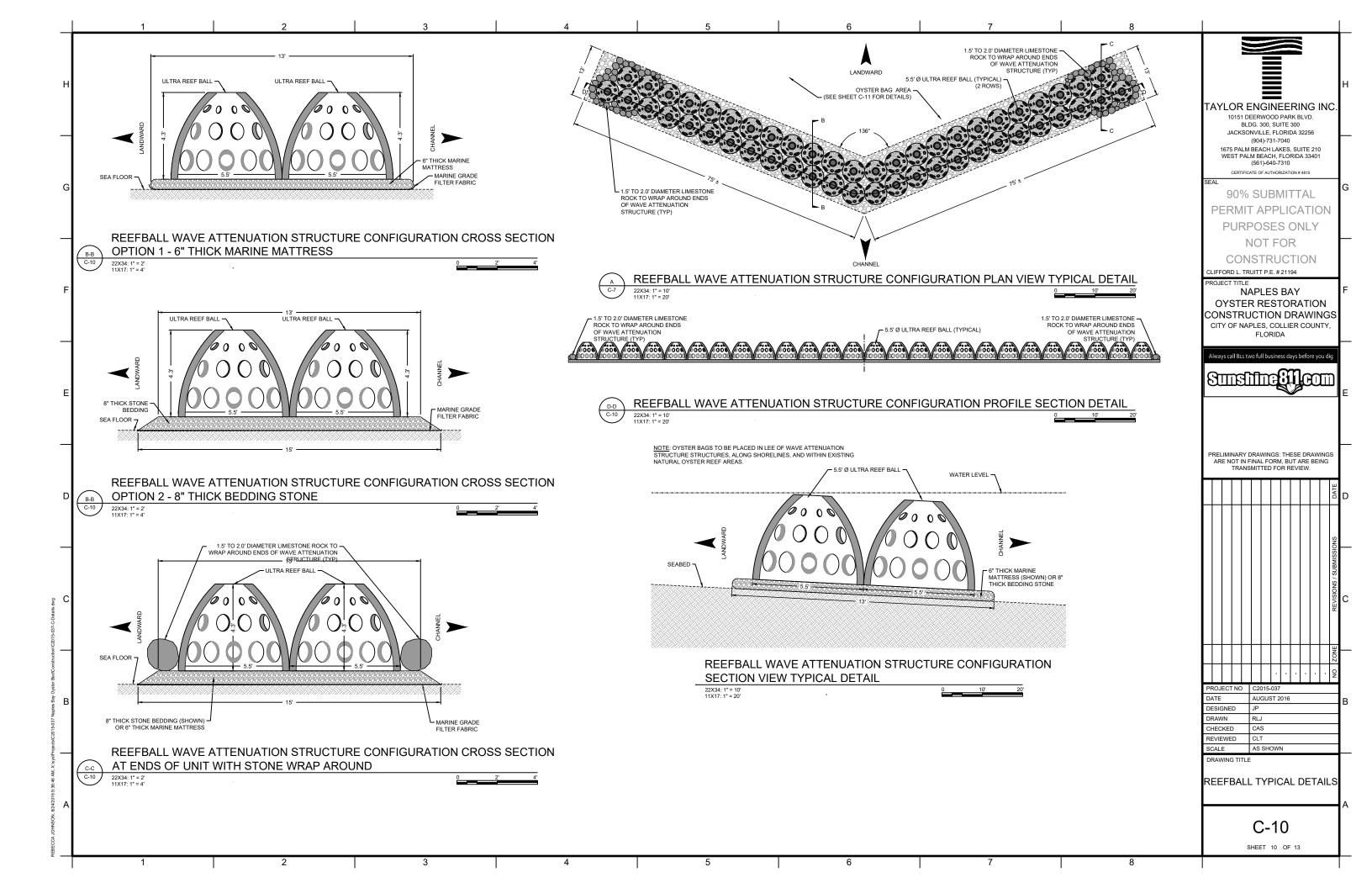


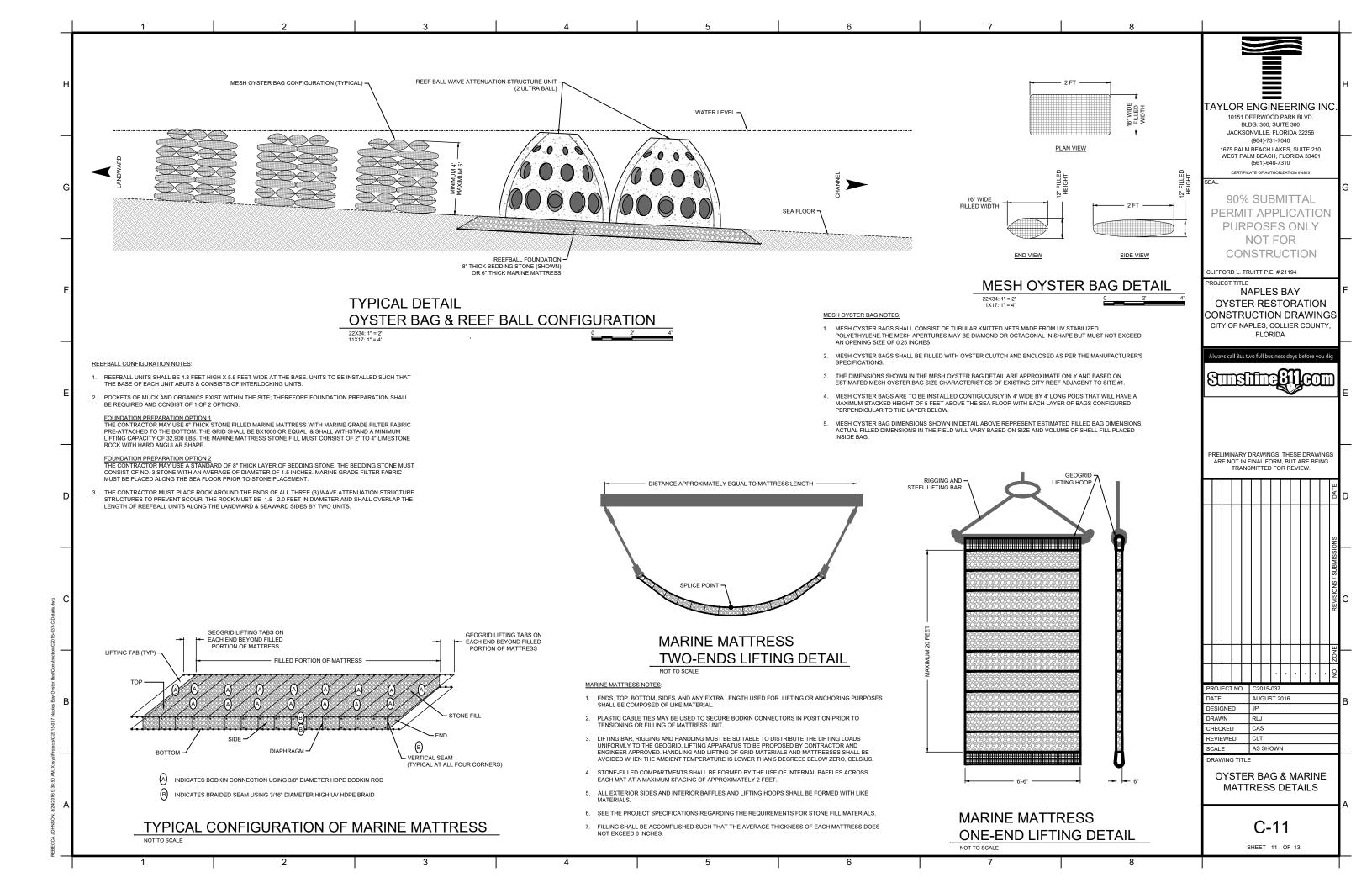


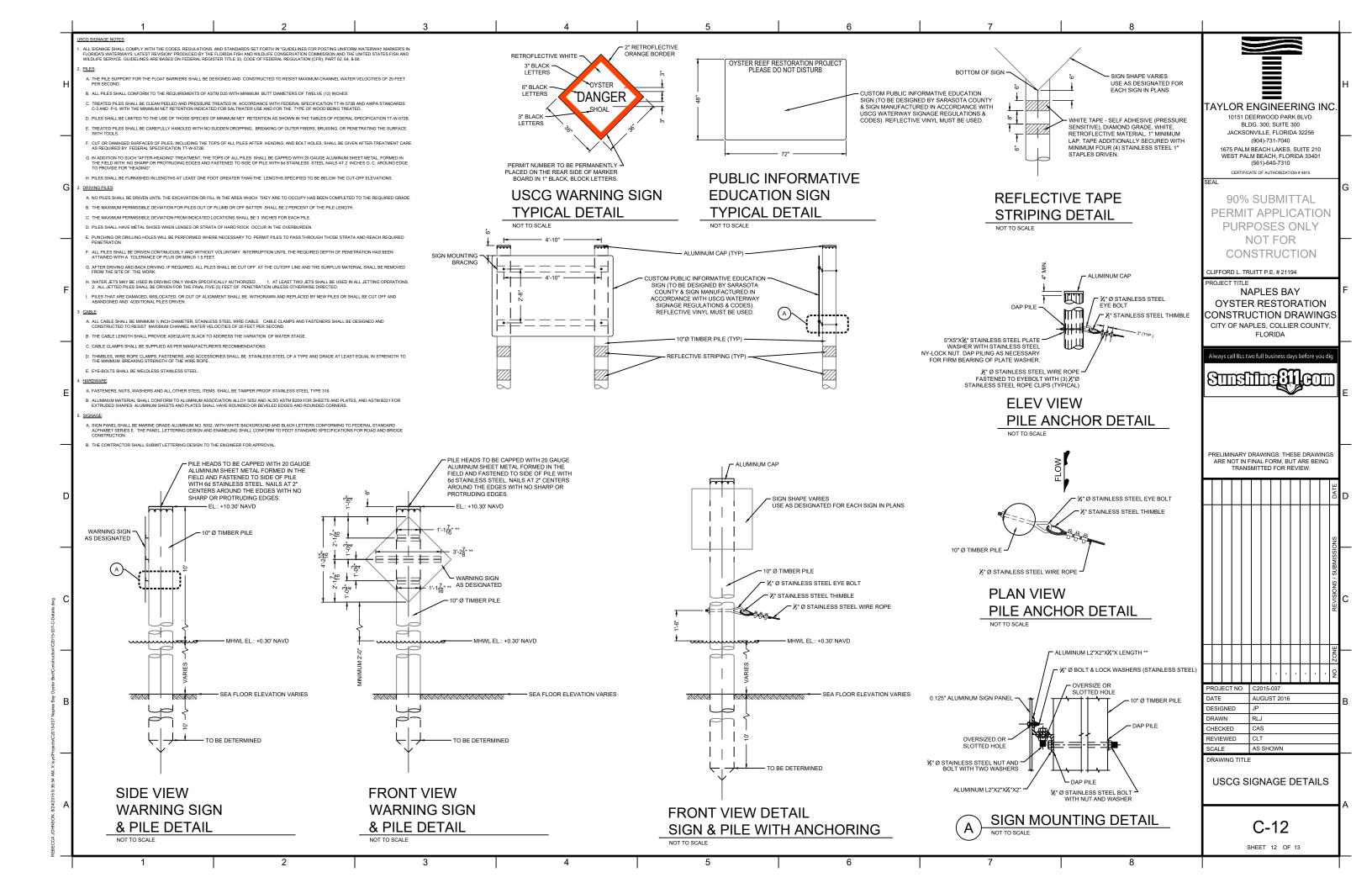


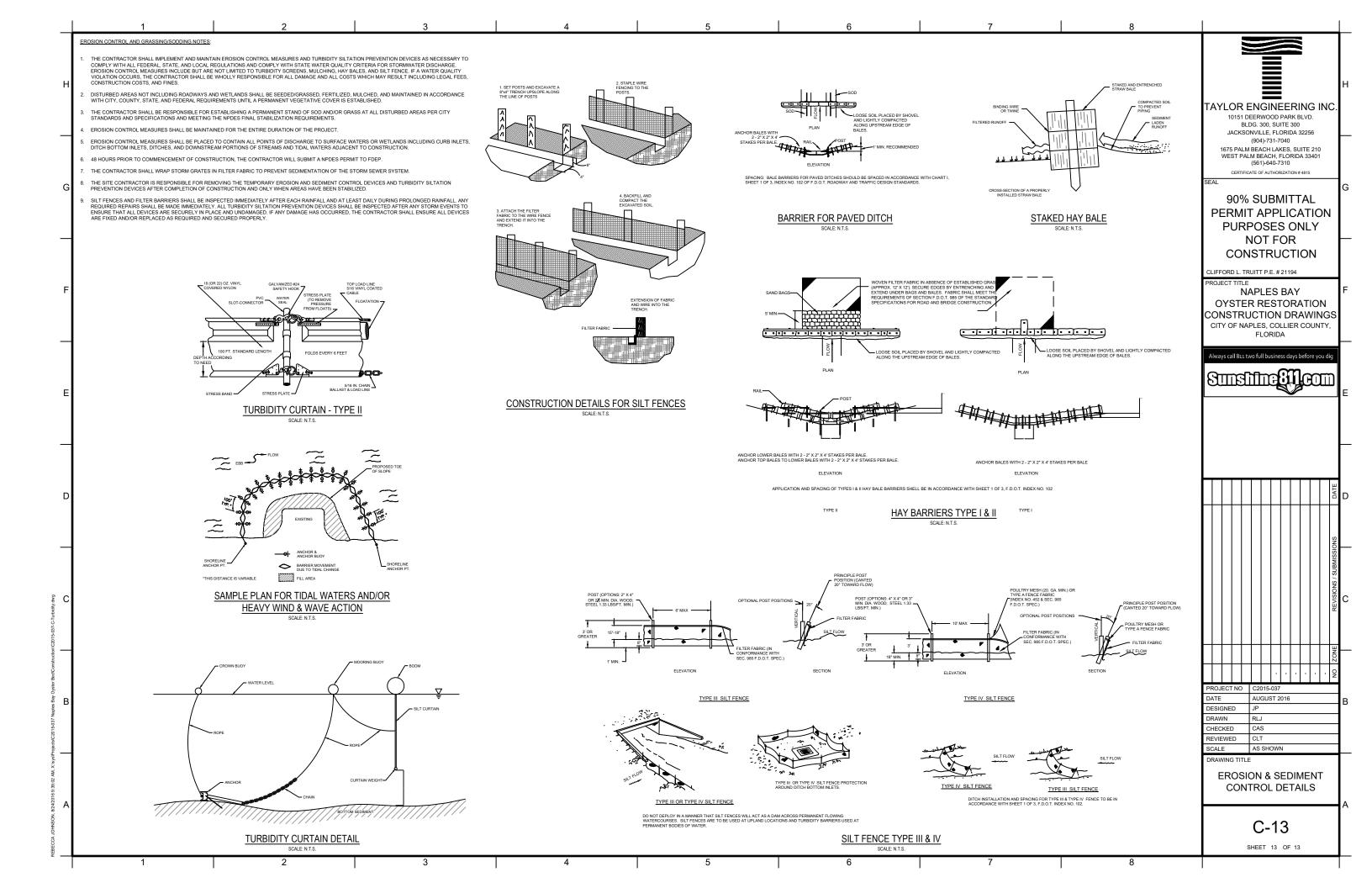












Site 1				
Reef (Site-number)	Area (sq ft)	Area (acres)	Reef Center (Lat/Long)	r Coordinates
Chevron-1	1881	0.043	26.11123	81.78490
Chevron-2	1881	0.043	26.11072	81.78480
Chevron-3	1881	0.043	26.11021	81.78470
1-1	734	0.017	26.11128	81.78475
1-2	1224	0.028	26.11115	81.78467
1-3	1229	0.028	26.11103	81.78448
1-4	1494	0.034	26.11102	81.78434
1-5	550	0.013	26.11091	81.78411
1-6	1256	0.029	26.11086	81.78426
1-7	936	0.021	26.11077	81.78440
1-8	1235	0.028	26.11073	81.78459
1-9	562	0.013	26.11059	81.78455
1-10	1181	0.027	26.11050	81.78436
1-11	1605	0.037	26.11039	81.78416
1-12	1476	0.034	26.11073	81.78406
1-13	473	0.011	26.11052	81.78403
1-14	941	0.022	26.11057	81.78391
1-15	1461	0.034	26.11038	81.78382
1-16	647	0.015	26.11034	81.78402
1-17	563	0.013	26.11032	81.78426
1-18	1180	0.027	26.11022	81.78435
1-19	1810	0.042	26.11034	81.78453
1-20	1230	0.028	26.11017	81.78374
1-21	990	0.023	26.11116	81.78430
1-22	883	0.020	26.11101	81.78407
1-23	871	0.020	26.11082	81.78389
1-24	950	0.022	26.11061	81.78363
1-25	462	0.011	26.11045	81.78351
1-26	826	0.019	26.11013	81.78394
1-27	1053	0.024	26.11014	81.78421
Site 1 Total Area	33465	0.768		

Site 2						
Reef (Site-number)	Area	Area	Re			
	(sq ft)	(sq ft) (acres)		Coordinates (Lat/Long)		
2-1	819	0.019	26.11950	81.784	22	
2-2	744	0.017	26.11945	81.784	02	
2-3	946	0.022	26.11947	7 81.783	76	
2-4	739	0.017	26.11926	5 81.783	63	
2-5	1266	0.029	26.11911	1 81.783	79	
2-6	717	0.016	26.11909	81.783	45	
2-7	837	0.019	26.11882	2 81.783	43	
2-8	807	0.019	26.11932	2 81.783	88	
2-9	1351	0.031	26.11897	7 81.783	67	
2-10	1018	0.023	26.11882	2 81.783	79	
Site 2 Total Area	9244	0.212				
Site 3		•		•		
Reef (Site-number)	Area	Area	Reef (Reef Center		
	(sq ft)	(acres)	Coordinates			
			-	(Lat/Long)		
3-1	262	0.006	26.14178	81.78555		
3-2	416	0.010	26.14177	81.78542		
3-3	213	0.005	26.14191	81.78528		
3-4	1081	0.025	26.14164	81.78540		
Site 2 Total Area	1972	0.045			Total area	
					reefs/chevrons	

(acres):

