



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

October 26, 2016

REPLY TO
ATTENTION OF

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

City of Naples
Attn: Katie Laakkonen
295 Riverside Cir
Naples, FL 34102

Dear Laakkonen:

The U.S. Army Corps of Engineers (Corps) assigned your application for a Department of the Army permit, which the Corps received on 17 June 2016, the file number SAJ-2016-01788. A review of the information and drawings provided indicates that the proposed work would result in the creation and/or enhancement of three oyster reef areas in Naples Bay, Gordon River, and Haldeman Creek by installing 4' by 4' oyster shell bags spaced at a minimum of 16' apart and a maximum of 5' in height. Site 1 is approximately 3.33 acres and will avoid the existing oyster habitat. Site 1 will have three 150' by 13' reef ball wave attenuation structures. Site 2 is approximately 1.41 acres and will enhance the existing oyster habitat. Site 3 is the creation of approximately 0.19 acres of oyster habitat. All work will be conducted during low tide and will avoid existing oyster habitat and any submerged aquatic vegetation. The bags will be barged to the site and offloaded with an excavator.

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 a 3.33-acre area located west of Parcel ID# 2076348002 and 20763520001 and Site 2 is a 1.41-acre area located west of Parcel ID # 20763440000, in Sections 15, Township 50 South, Range 25 East. Site 3 is a 0.18-acre site west of Parcel ID # 20763440000, in Section 3, Township 50 South, Range 25 East, Collier County. in Sections 15, Township 50 South, Range 25 East, Collier County.

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, 2017**. 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. 77, dated February 21, 2012, specifically pages 10270 – 10290, the Corrections to the Final Nationwide Permits, Federal Register 77, March 19, 2012, and the List 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. Within 60 days of completion of the work authorized, the attached *Self-Certification Statement of Compliance* must be completed and submitted to the U.S. Army Corps of Engineers. Mail the completed form to the Regulatory Division, Special Projects and Enforcement Branch, 1520 Royal Palm Square Blvd. Suite 310, Fort Myers, Florida 33919.
2. 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.
3. 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. 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 within define distance desired or use 1 foot or eliminate distance from bottom 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.

6. Manatee Conditions: The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" (Attachment 1).

7. 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 2).

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 ext. 0008.

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,

A handwritten signature in cursive script that reads "Allison C. Murphy".

Allison C. Murphy
Project Manager

Enclosures:

1. Standard Manatee Conditions for In-Water Work – 2011.
2. Sea Turtle and Smalltooth Sawfish Construction Conditions dated March 23, 2006.
3. Drawings (13 pages)

Copy/ies Furnished:

Diane Rosensweig, Scheda Consulting via email

GENERAL CONDITIONS
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on **March 18, 2017**.
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 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-ACM)

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

Permittee's Name & Address (please print or type): _____

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

PROPERTY IS INACCESSIBLE WITHOUT PRIOR NOTIFICATION: YES _____ NO _____

TO SCHEDULE AN INSPECTION PLEASE CONTACT _____
AT _____

Description of the Work (e.g. bank stabilization, residential or commercial filling, docks,
dredging,
etc.): _____

Acreage or Square Feet of Impacts to Waters of the United States: _____

Describe Mitigation completed (if applicable): _____

Describe any Deviations from Permit (attach drawing(s) depicting the deviations):

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

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 shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

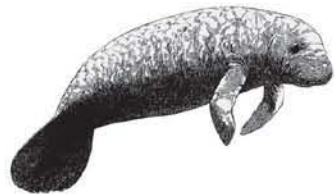
All project vessels

IDLE SPEED / NO WAKE

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

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC



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

SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

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

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

Revised: March 23, 2006

O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc



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

90% SUBMITTAL
PERMIT APPLICATION
PURPOSES ONLY
NOT FOR
CONSTRUCTION

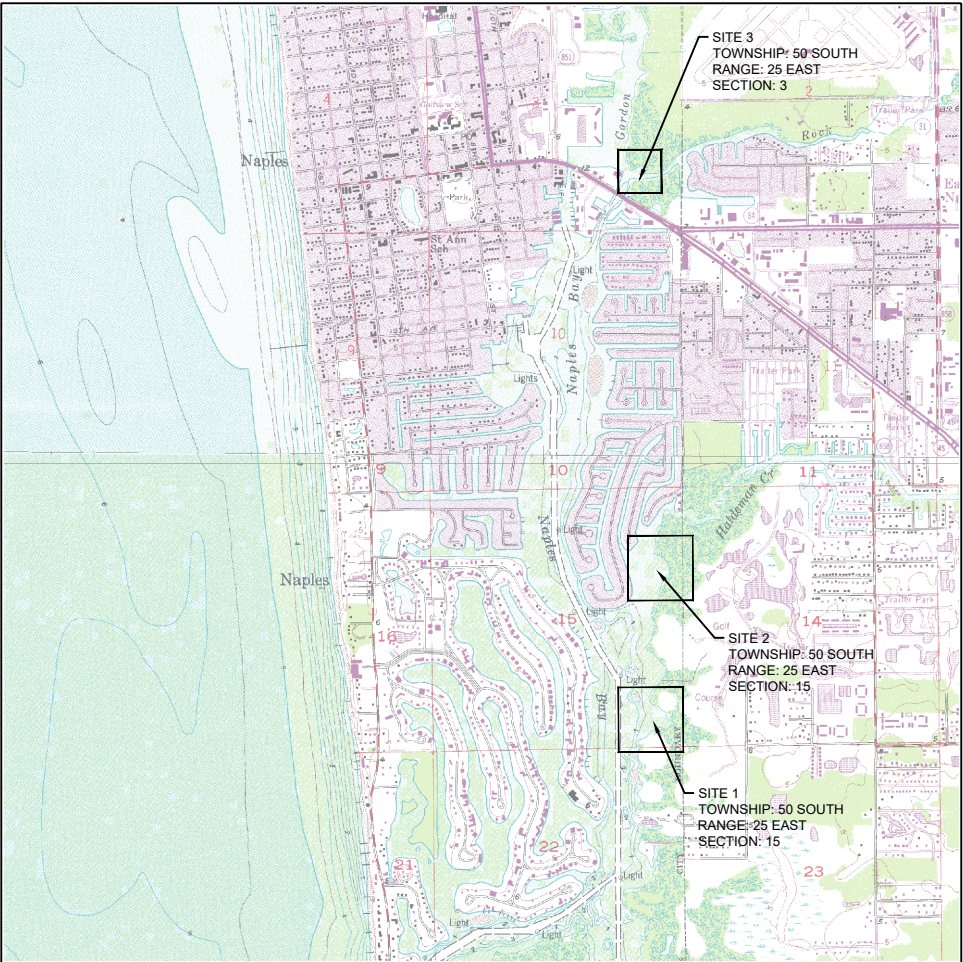


LOCATION MAP
N.T.S.



DRAWING INDEX

- C-1 TITLE SHEET
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VICINITY MAP
1" = 2,000' (22x34)
1" = 4,000' (11x17)

REFERENCE:
USGS 7.5' QUADRANGLE MAPS
NAPLES NORTH, FLORIDA 1991
NAPLES SOUTH, FLORIDA 1991

Always call 811 two full business days before you dig



TAYLOR ENGINEERING INC.
10151 DEERWOOD PARK BLVD.
BLDG. 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904)-731-7040
1675 PALM BEACH LAKES, SUITE 210
WEST PALM BEACH, FLORIDA 33401
(561)-640-7310
CERTIFICATE OF AUTHORIZATION # 4815

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

PROJECT TITLE

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

PROJECT NO

C2015-037

DATE

AUGUST 2016

SEAL

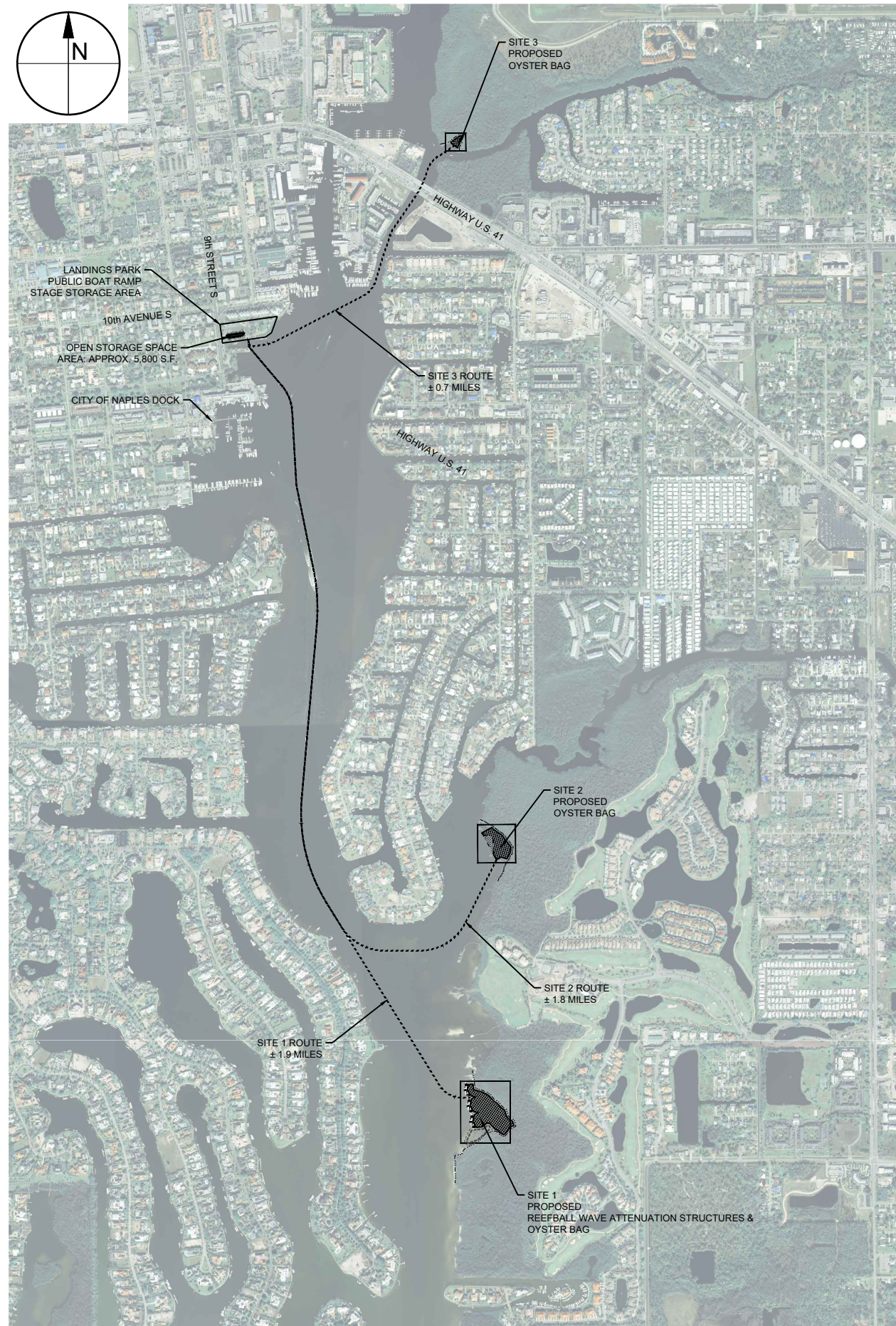
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CONSTRUCTION

CLIFFORD L. TRUITT P.E. # 21194

C-1

SHEET 1 OF 13

[illegible]



22X34: 1" = 800'
11X17: 1" = 1,600'

22X34: 1" = 800'
11X17: 1" = 1,600'

1. ADD ANY NEEDED NOTES OR INSTRUCTIONS HERE.
2. PLACEHOLDER TO ADD TEXT

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CLIFFORD L. TRUITT P.E. # 21194

PROJECT TITLE

NAPLES BAY
OYSTER RESTORATION
CONSTRUCTION DRAWINGS

CITY OF NAPLES, COLLIER COUNTY,
FLORIDA

Sunshine811.com

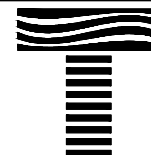
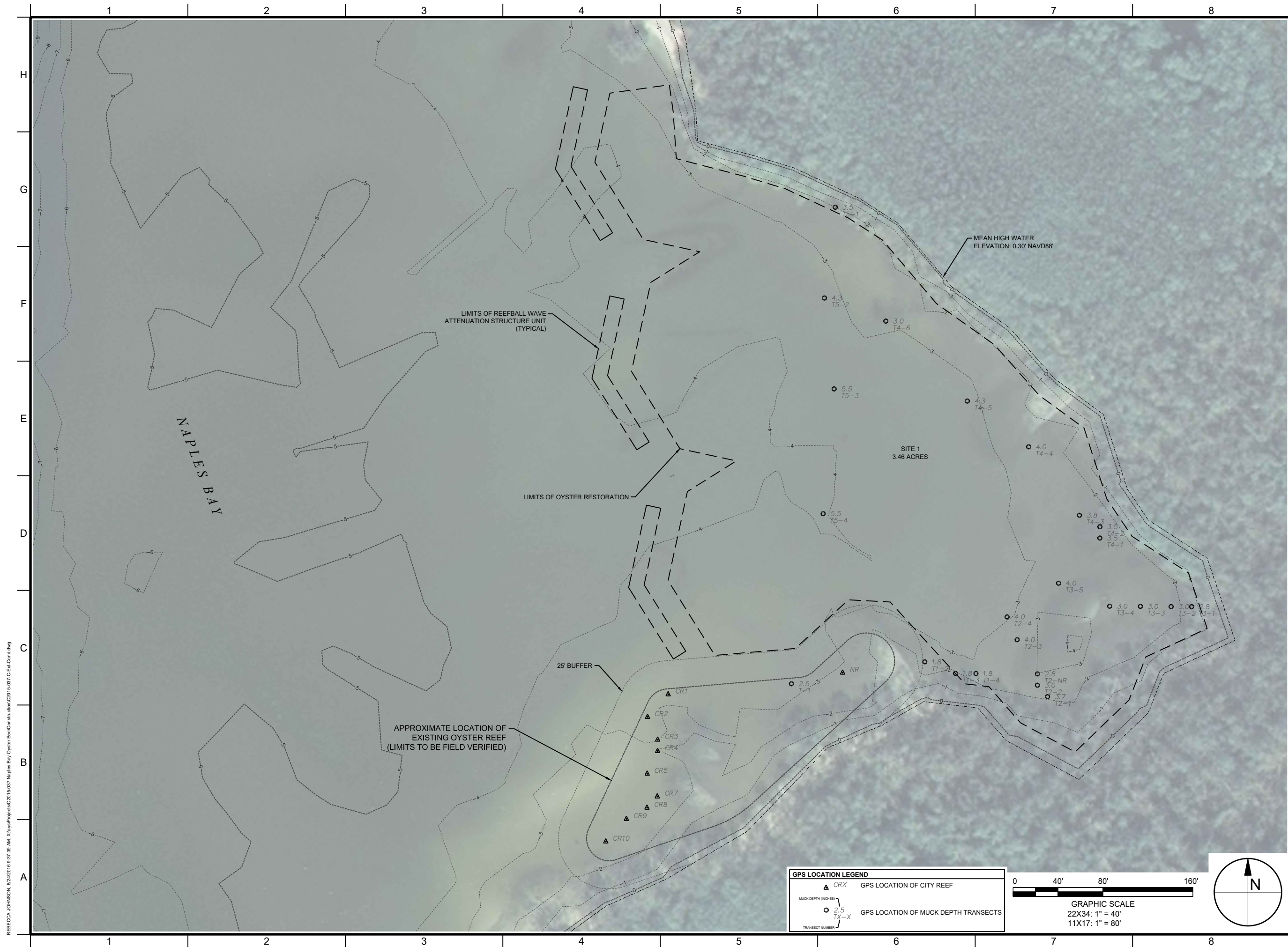
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PROJECT NO	C2015-037
DATE	AUGUST 2016
DESIGNED	JP
DRAWN	RLJ
CHECKED	CAS
REVIEWED	CLT
SCALE	AS SHOWN

C-3

SHEET 3 OF 13



TAYLOR ENGINEERING INC.

10151 DEERWOOD PARK BLVD.
BLDG. 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904)-731-7040

1675 PALM BEACH LAKES, SUITE 210
WEST PALM BEACH, FLORIDA 33401
(561)-640-7310

CERTIFICATE OF AUTHORIZATION # 4815

SEAL

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CLIFFORD L. TRUITT P.E. # 21194

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

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PROJECT NO	C2015-037
DATE	AUGUST 2016
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REVIEWED	CLT
SCALE	AS SHOWN

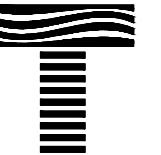
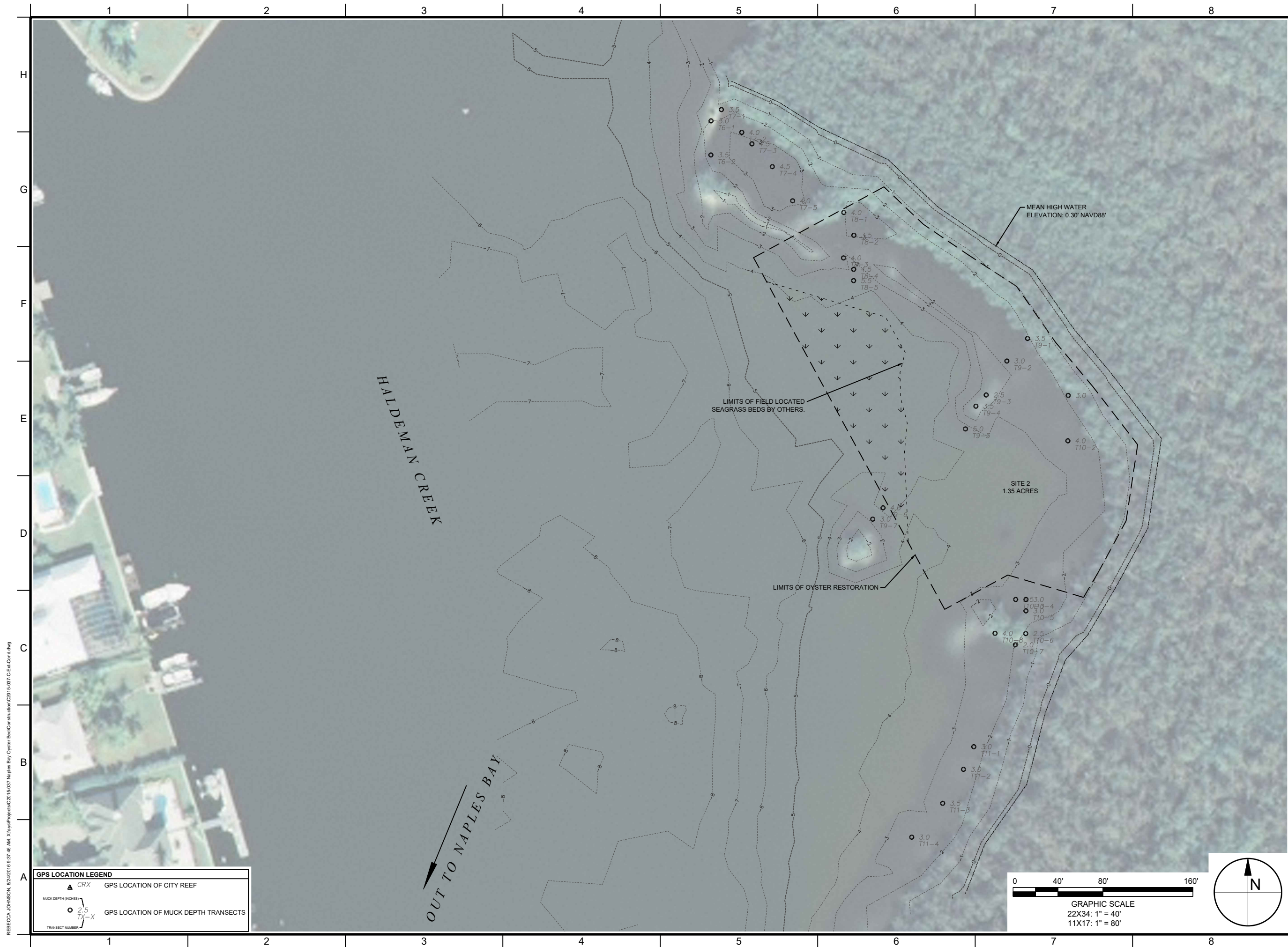
DRAWING TITLE

APPROXIMATE
MUCK DEPTHS
SITE 1

C-4

SHEET 4 OF 13

REBECCA JOHNSON, 8/24/2016 9:37:39 AM, X:\sys\Projects\2015-037 Naples Bay Oyster Bed\Construction\2015-037-C-Ext-Cond.dwg



TAYLOR ENGINEERING INC.

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BLDG. 300, SUITE 300
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**NAPLES BAY
OYSTER RESTORATION
CONSTRUCTION DRAWINGS**
CITY OF NAPLES, COLLIER COUNTY,
FLORIDA

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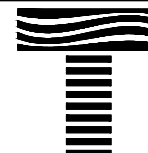
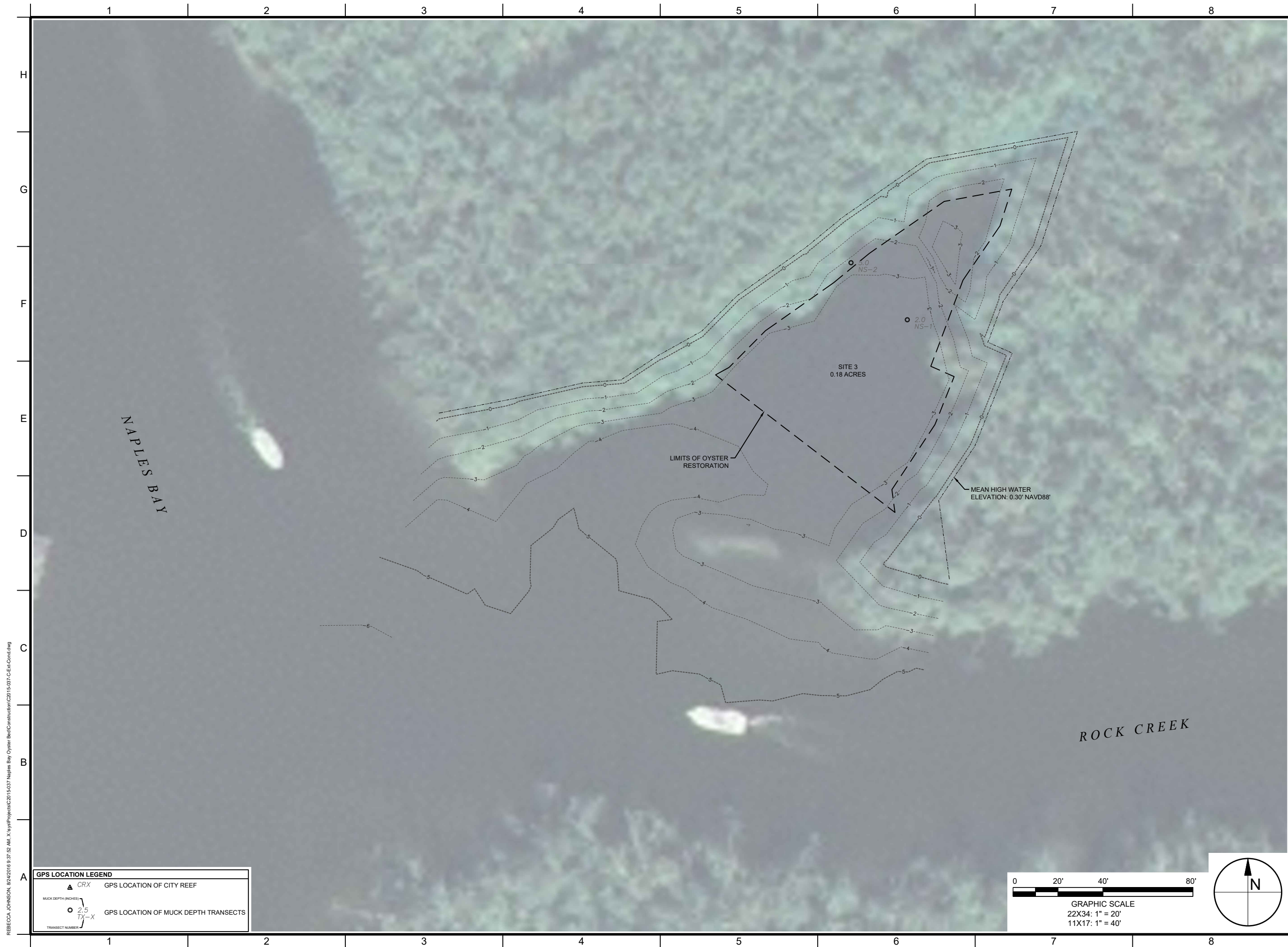
PROJECT NO	C2015-037
DATE	AUGUST 2016
DESIGNED	JP
DRAWN	RLJ
CHECKED	CAS
REVIEWED	CLT
SCALE	AS SHOWN

DRAWING TITLE

APPROXIMATE
MUCK DEPTHS
SITE 2

C-5

SHEET 5 OF 13



TAYLOR ENGINEERING INC.

10151 DEERWOOD PARK BLVD.
BLDG. 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904)-731-7040

1675 PALM BEACH LAKES, SUITE 210
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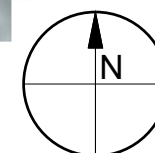
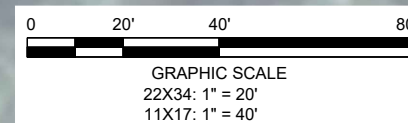
APPROXIMATE
MUCK DEPTHS
SITE 3

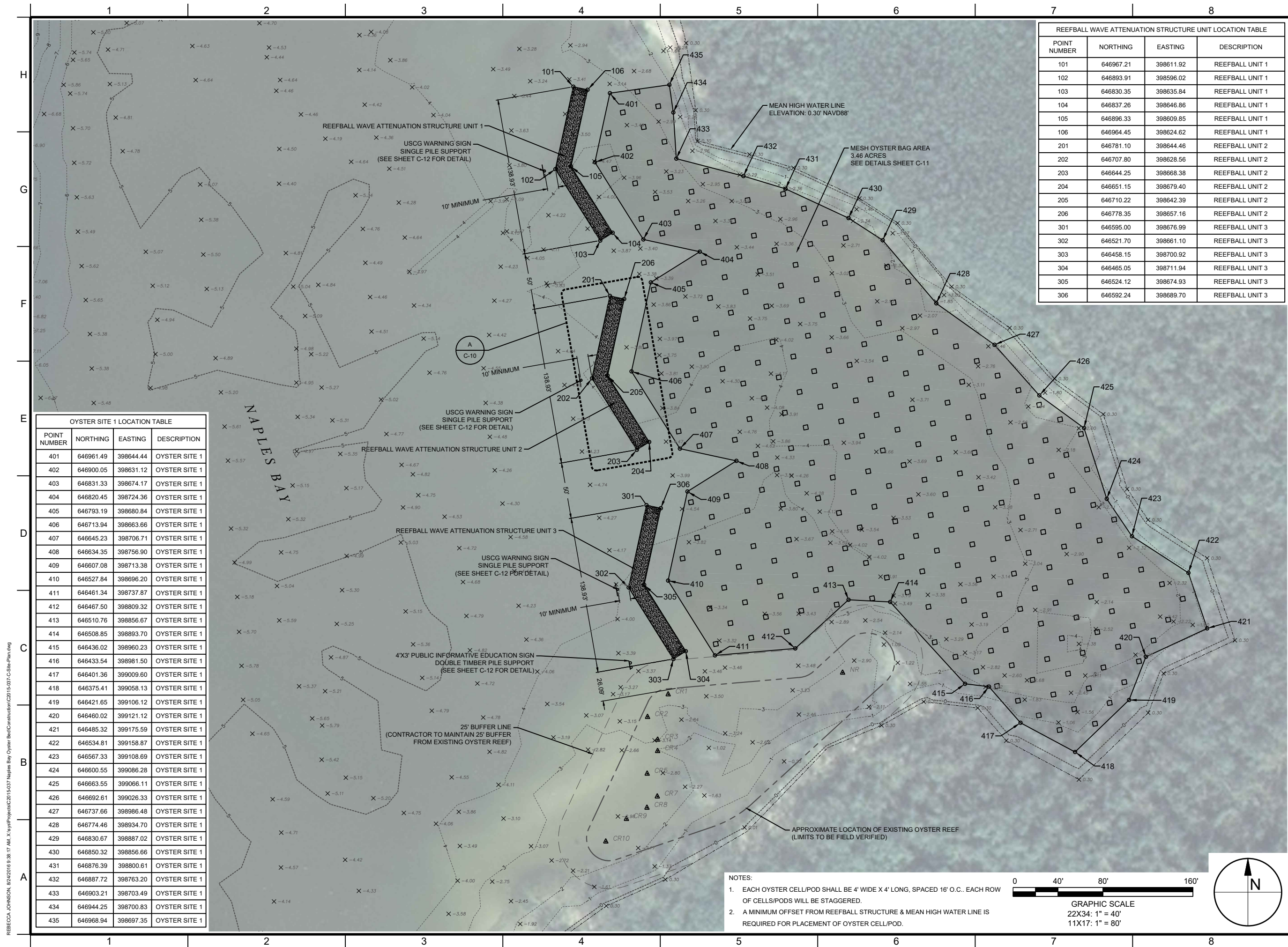
C-6

SHEET 6 OF 13

GPS LOCATION LEGEND

 CRX	GPS LOCATION OF CITY REEF
MUCK DEPTH (INCHES)  2.5 TX-X	GPS LOCATION OF MUCK DEPTH TRANSECTS



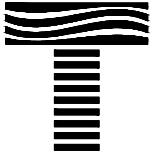
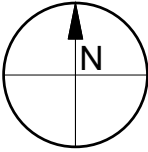
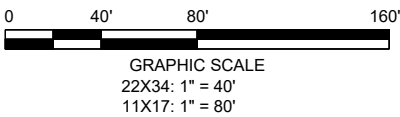


REEFBALL WAVE ATTENUATION STRUCTURE UNIT LOCATION TABLE			
POINT NUMBER	NORTHING	EASTING	DESCRIPTION
101	646967.21	398611.92	REEFBALL UNIT 1
102	646893.91	398596.02	REEFBALL UNIT 1
103	646830.35	398635.84	REEFBALL UNIT 1
104	646837.26	398646.86	REEFBALL UNIT 1
105	646896.33	398609.85	REEFBALL UNIT 1
106	646964.45	398624.62	REEFBALL UNIT 1
201	646781.10	398644.46	REEFBALL UNIT 2
202	646707.80	398628.56	REEFBALL UNIT 2
203	646644.25	398668.38	REEFBALL UNIT 2
204	646651.15	398679.40	REEFBALL UNIT 2
205	646710.22	398642.39	REEFBALL UNIT 2
206	646778.35	398657.16	REEFBALL UNIT 2
301	646595.00	398676.99	REEFBALL UNIT 3
302	646521.70	398661.10	REEFBALL UNIT 3
303	646458.15	398700.92	REEFBALL UNIT 3
304	646465.05	398711.94	REEFBALL UNIT 3
305	646524.12	398674.93	REEFBALL UNIT 3
306	646592.24	398689.70	REEFBALL UNIT 3

OYSTER SITE 1 LOCATION TABLE			
POINT NUMBER	NORTHING	EASTING	DESCRIPTION
401	646961.49	398644.44	OYSTER SITE 1
402	646900.05	398631.12	OYSTER SITE 1
403	646831.33	398674.17	OYSTER SITE 1
404	646820.45	398724.36	OYSTER SITE 1
405	646793.19	398680.84	OYSTER SITE 1
406	646713.94	398663.66	OYSTER SITE 1
407	646645.23	398706.71	OYSTER SITE 1
408	646634.35	398756.90	OYSTER SITE 1
409	646607.08	398713.38	OYSTER SITE 1
410	646527.84	398696.20	OYSTER SITE 1
411	646461.34	398737.87	OYSTER SITE 1
412	646467.50	398809.32	OYSTER SITE 1
413	646510.76	398856.67	OYSTER SITE 1
414	646508.85	398893.70	OYSTER SITE 1
415	646436.02	398960.23	OYSTER SITE 1
416	646433.54	398981.50	OYSTER SITE 1
417	646401.36	399009.60	OYSTER SITE 1
418	646375.41	399058.13	OYSTER SITE 1
419	646421.65	399106.12	OYSTER SITE 1
420	646460.02	399121.12	OYSTER SITE 1
421	646485.32	399175.59	OYSTER SITE 1
422	646534.81	399158.87	OYSTER SITE 1
423	646567.33	399108.69	OYSTER SITE 1
424	646600.55	399086.28	OYSTER SITE 1
425	646663.55	399066.11	OYSTER SITE 1
426	646692.61	399026.33	OYSTER SITE 1
427	646737.66	398986.48	OYSTER SITE 1
428	646774.46	398934.70	OYSTER SITE 1
429	646830.67	398887.02	OYSTER SITE 1
430	646850.32	398856.66	OYSTER SITE 1
431	646876.39	398800.61	OYSTER SITE 1
432	646887.72	398763.20	OYSTER SITE 1
433	646903.21	398703.49	OYSTER SITE 1
434	646944.25	398700.83	OYSTER SITE 1
435	646968.94	398697.35	OYSTER SITE 1

NOTES:

1. EACH OYSTER CELL/POD SHALL BE 4' WIDE X 4' LONG, SPACED 16' O.C.. EACH ROW OF CELLS/PODS WILL BE STAGGERED.
2. A MINIMUM OFFSET FROM REEFBALL STRUCTURE & MEAN HIGH WATER LINE IS REQUIRED FOR PLACEMENT OF OYSTER CELL/POD.



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WEST PALM BEACH, FLORIDA 33401
(561)-640-7310

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CLIFFORD L. TRUITT P.E. # 21194

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

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NO	ZONE	REVISIONS / SUBMISSIONS	DATE
1			
2			
3			
4			
5			

PROJECT NO	C2015-037
DATE	AUGUST 2016
DESIGNED	JP
DRAWN	RLJ
CHECKED	CAS
REVIEWED	CLT
SCALE	AS SHOWN

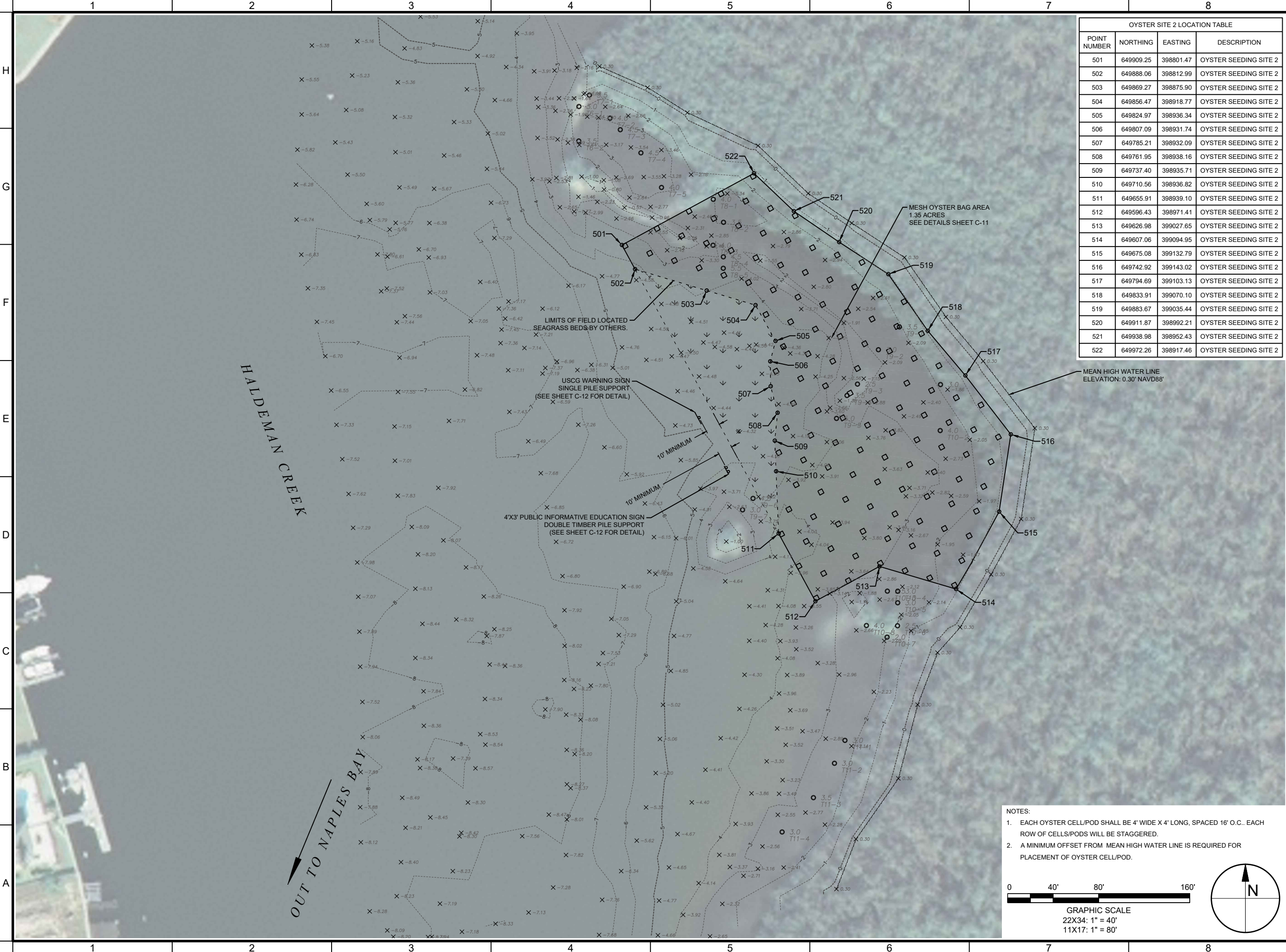
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SITE PLAN SITE 1

C-7

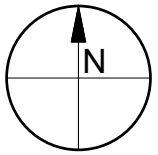
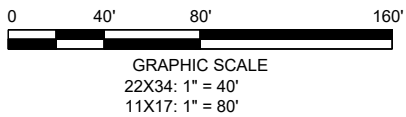
SHEET 7 OF 13

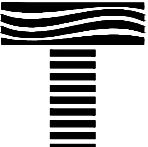
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OYSTER SITE 2 LOCATION TABLE			
POINT NUMBER	NORTHING	EASTING	DESCRIPTION
501	649909.25	398801.47	OYSTER SEEDING SITE 2
502	649888.06	398812.99	OYSTER SEEDING SITE 2
503	649869.27	398875.90	OYSTER SEEDING SITE 2
504	649856.47	398918.77	OYSTER SEEDING SITE 2
505	649824.97	398936.34	OYSTER SEEDING SITE 2
506	649807.09	398931.74	OYSTER SEEDING SITE 2
507	649785.21	398932.09	OYSTER SEEDING SITE 2
508	649761.95	398938.16	OYSTER SEEDING SITE 2
509	649737.40	398935.71	OYSTER SEEDING SITE 2
510	649710.56	398936.82	OYSTER SEEDING SITE 2
511	649655.91	398939.10	OYSTER SEEDING SITE 2
512	649596.43	398971.41	OYSTER SEEDING SITE 2
513	649626.98	399027.65	OYSTER SEEDING SITE 2
514	649607.06	399094.95	OYSTER SEEDING SITE 2
515	649675.08	399132.79	OYSTER SEEDING SITE 2
516	649742.92	399143.02	OYSTER SEEDING SITE 2
517	649794.69	399103.13	OYSTER SEEDING SITE 2
518	649833.91	399070.10	OYSTER SEEDING SITE 2
519	649883.67	399035.44	OYSTER SEEDING SITE 2
520	649911.87	398992.21	OYSTER SEEDING SITE 2
521	649938.98	398952.43	OYSTER SEEDING SITE 2
522	649972.26	398917.46	OYSTER SEEDING SITE 2

- NOTES:
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										ZONE

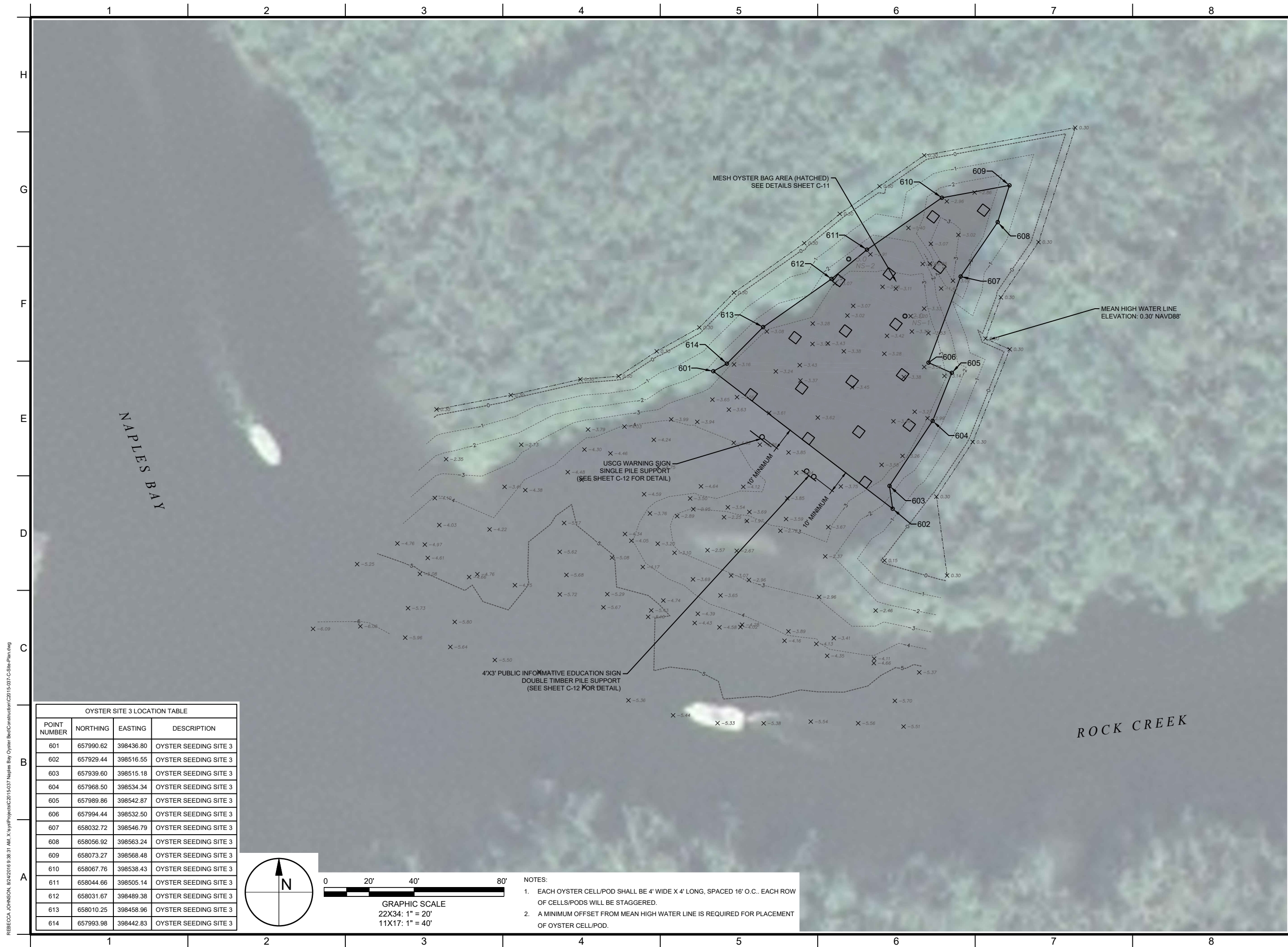
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SITE PLAN SITE 2

C-8

SHEET 8 OF 13



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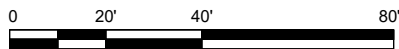
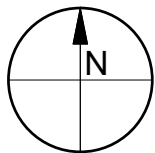
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SITE PLAN SITE 3

C-9

SHEET 9 OF 13

OYSTER SITE 3 LOCATION TABLE			
POINT NUMBER	NORTHING	EASTING	DESCRIPTION
601	657990.62	398436.80	OYSTER SEEDING SITE 3
602	657929.44	398515.55	OYSTER SEEDING SITE 3
603	657939.60	398515.18	OYSTER SEEDING SITE 3
604	657968.50	398534.34	OYSTER SEEDING SITE 3
605	657989.86	398542.87	OYSTER SEEDING SITE 3
606	657994.44	398532.50	OYSTER SEEDING SITE 3
607	658032.72	398546.79	OYSTER SEEDING SITE 3
608	658056.92	398563.24	OYSTER SEEDING SITE 3
609	658073.27	398568.48	OYSTER SEEDING SITE 3
610	658067.76	398538.43	OYSTER SEEDING SITE 3
611	658044.66	398505.14	OYSTER SEEDING SITE 3
612	658031.67	398489.38	OYSTER SEEDING SITE 3
613	658010.25	398458.96	OYSTER SEEDING SITE 3
614	657993.98	398442.83	OYSTER SEEDING SITE 3



GRAPHIC SCALE
22X34: 1" = 20'
11X17: 1" = 40'

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[illegible]

Date: 07/20/2016 Rev. Date: N/A PM: DR GIS Analyst: JAG Map Document: 3112_Site2_seagrass_map_20160720.mxd Project Number: 001112-30 C PDF Document: 3112_Site2_seagrass_map_20160720.pdf Plot Size: 8.5 x 11

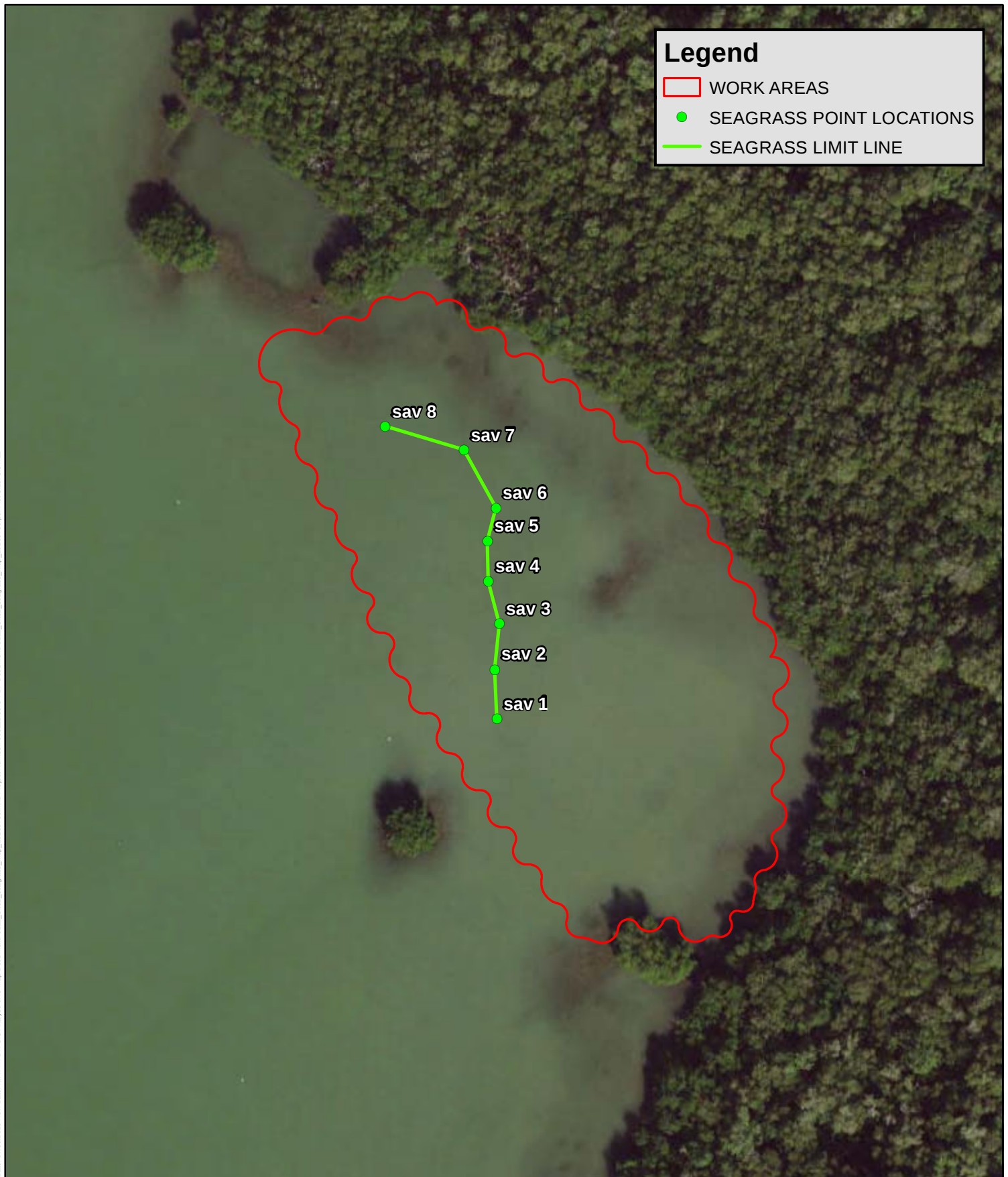


Figure 3 - Seagrass Location Map - Site 2

City of Naples Oyster Restoration
Collier County, Florida

