



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
10117 PRINCESS PALM AVENUE, SUITE 120
TAMPA, FLORIDA 33610

March 14, 2014

REPLY TO
ATTENTION OF

Regulatory Division
South Permits Branch
Tampa Permits Section
SAJ-2008-02466(NW-MEP)

Sarasota Bay Estuary Program
c/o Mark Alderson
111 South Orange Avenue, Suite 200W
Sarasota, FL 34236

Dear Mr. Alderson:

Your application for a Department of the Army permit received on September 30, 2013, has been assigned number SAJ-2008-02466(NW-MEP). A review of the information and drawings provided shows the proposed work is to re-establish or enhance approximately 0.53-acres of freshwater marsh, 3.00 acres of open water estuarine area, and 7.13-acres estuarine marsh. In addition, exotic vegetation will be removed and replaced with native plant species throughout the project site. Approximately 0.84 acres of temporary wetland impacts associated with grading/restoration work is expected to occur as a result of the project. The project, known as "FISH Preserve Habitat Restoration- Final Phase", is located in estuarine wetlands abutting Sarasota Bay, located south of the intersection of Cortez Boulevard and 115th St. SW, Bradenton Beach, in Section 2, 3, 10, 11, Township 35 South, Range 16 East in Manatee 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, 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 project-specific conditions are included with this authorization:

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, 10117 Princess Palm Avenue, Suite 120, Tampa, Florida 33610.

2. 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 in the vicinity and notify the Corps. 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. A cultural resources assessment may be required of the permit area, 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 and 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 in the vicinity shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist. 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, SHPO and the Corps.

e. In the unlikely event that human remains are encountered on federal or tribal lands, or in situations where Archaeological Resources Protection Act of 1979, or Native American Graves Protection Repatriation Act of 1990 applies, all work in the vicinity shall immediately cease and the Permittee immediately notify the Corps. The Corps shall then notify the appropriate THPO(s) and SHPO. 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. After such notification, project activities on federal lands shall not resume without written authorization from the Corps, and/or appropriate THPO(s), SHPO, and federal manager. After such notification, project activities on tribal lands shall not resume without written authorization from the appropriate THPO(s) and the Corps.

3. Erosion Control: Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.

4. Eastern Indigo Snake Protection Measures: The Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake (2013)" and provided as an attachment to this permit.

This 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 Mark E. Peterson by telephone at 813-769-7065.

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,



Mark E. Peterson
Project Manager

Enclosures

Copy Furnished:

Dianne Rosensweig, Scheda Ecological Associates, 6151 Lake Osprey Drive, Suite 320
Sarasota, Florida 34240

GENERAL CONDITIONS
33 CFR PART 320-330
PUBLISHED FEDERAL REGISTER DATED 13 NOVEMBER 1986

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

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: NW-27
Application Number: SAJ-2008-02466(NW-MEP)

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

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2008-02466(NW-MEP)

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)

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE
U.S. Fish and Wildlife Service
August 12, 2013

The eastern indigo snake protection/education plan (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida for use by applicants and their construction personnel. At least **30 days prior** to any clearing/land alteration activities, the applicant shall notify the appropriate USFWS Field Office via e-mail that the Plan will be implemented as described below (North Florida Field Office: jaxregs@fws.gov; South Florida Field Office: verobeach@fws.gov; Panama City Field Office: panamacity@fws.gov). As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the attached poster and brochure), no further written confirmation or “approval” from the USFWS is needed and the applicant may move forward with the project.

If the applicant decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or “approval” from the USFWS that the plan is adequate must be obtained. At least 30 days prior to any clearing/land alteration activities, the applicant shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

The Plan materials should consist of: 1) a combination of posters and pamphlets (see **Poster Information** section below); and 2) verbal educational instructions to construction personnel by supervisory or management personnel before any clearing/land alteration activities are initiated (see **Pre-Construction Activities** and **During Construction Activities** sections below).

POSTER INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (a final poster for Plan compliance, to be printed on 11” x 17” or larger paper and laminated, is attached):

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands

and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION UNDER FEDERAL AND STATE LAW: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. "Taking" of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. "Take" is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the live eastern indigo snake sufficient time to move away from the site without interference;
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant's designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicant's designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

Telephone numbers of USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office – (904) 731-3336
Panama City Field Office – (850) 769-0552
South Florida Field Office – (772) 562-3909

PRE-CONSTRUCTION ACTIVITIES

1. The applicant or designated agent will post educational posters in the construction office and throughout the construction site, including any access roads. The posters must be clearly visible to all construction staff. A sample poster is attached.
2. Prior to the onset of construction activities, the applicant/designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational brochure including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office (a final brochure for Plan compliance, to be printed double-sided on 8.5" x 11" paper and then properly folded, is attached). Photos of eastern indigo snakes may be accessed on USFWS and/or FWC websites.
3. Construction staff will be informed that in the event that an eastern indigo snake (live or dead) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Field Office. The contact information for the USFWS is provided on the referenced posters and brochures.

DURING CONSTRUCTION ACTIVITIES

1. During initial site clearing activities, an onsite observer may be utilized to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
2. If an eastern indigo snake is discovered during gopher tortoise relocation activities (i.e. burrow excavation), the USFWS shall be contacted within one business day to obtain further guidance which may result in further project consultation.
3. Periodically during construction activities, the applicant's designated agent should visit the project area to observe the condition of the posters and Plan materials, and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.

POST CONSTRUCTION ACTIVITIES

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion. The report can be sent electronically to the appropriate USFWS e-mail address listed on page one of this Plan.

SARASOTA BAY ESTUARY PROGRAM

F.I.S.H. PRESERVE

HABITAT RESTORATION PROJECT

SECTIONS 2 & 3, TOWNSHIP 35 S, RANGE 16 E

MANATEE COUNTY, FLORIDA



Project
Location

VICINITY MAP



PREPARED FOR:

SARASOTA BAY ESTUARY PROGRAM
111 SOUTH ORANGE AVE, SUITE 200W
SARASOTA, FLORIDA 34236
PHONE: (941) 955-8085

90% PLANS

JUNE, 2013

PREPARED BY:



SCHEDA ECOLOGICAL
ASSOCIATES, INC.
5892 E. FOWLER AVE.
TAMPA, FLORIDA 33617
PHONE: 813.989.9600
FAX: 813.989.9670

AND



Kimley-Horn
and Associates, Inc.

KIMLEY-HORN and ASSOCIATES,
655 NORTH FRANKLIN STREET
SUITE 150
TAMPA, FLORIDA 33602
PHONE: 813.620.1460

DRAWING INDEX	
SHEET NO.	TITLE
GENERAL	
1	COVER SHEET
2	KEY MAP
3-4	GRADING PLAN
5-6	PLANTING PLAN
7	GRADING SECTIONS
8	PLANTING SECTIONS
9	GENERAL NOTES

6-2013	
DATE	REVISION
F.I.S.H. PRESERVE HABITAT RESTORATION PROJECT	
Engineer of Record: Michael L. Sturm, PE FL Reg No. 46005	

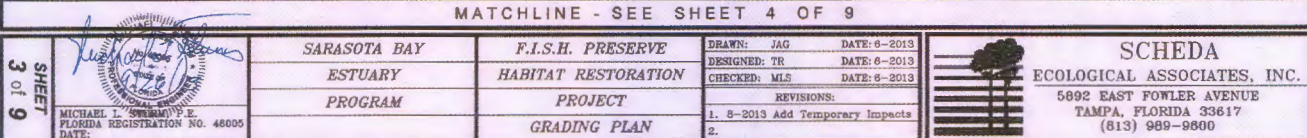


SHEETS 3 & 5

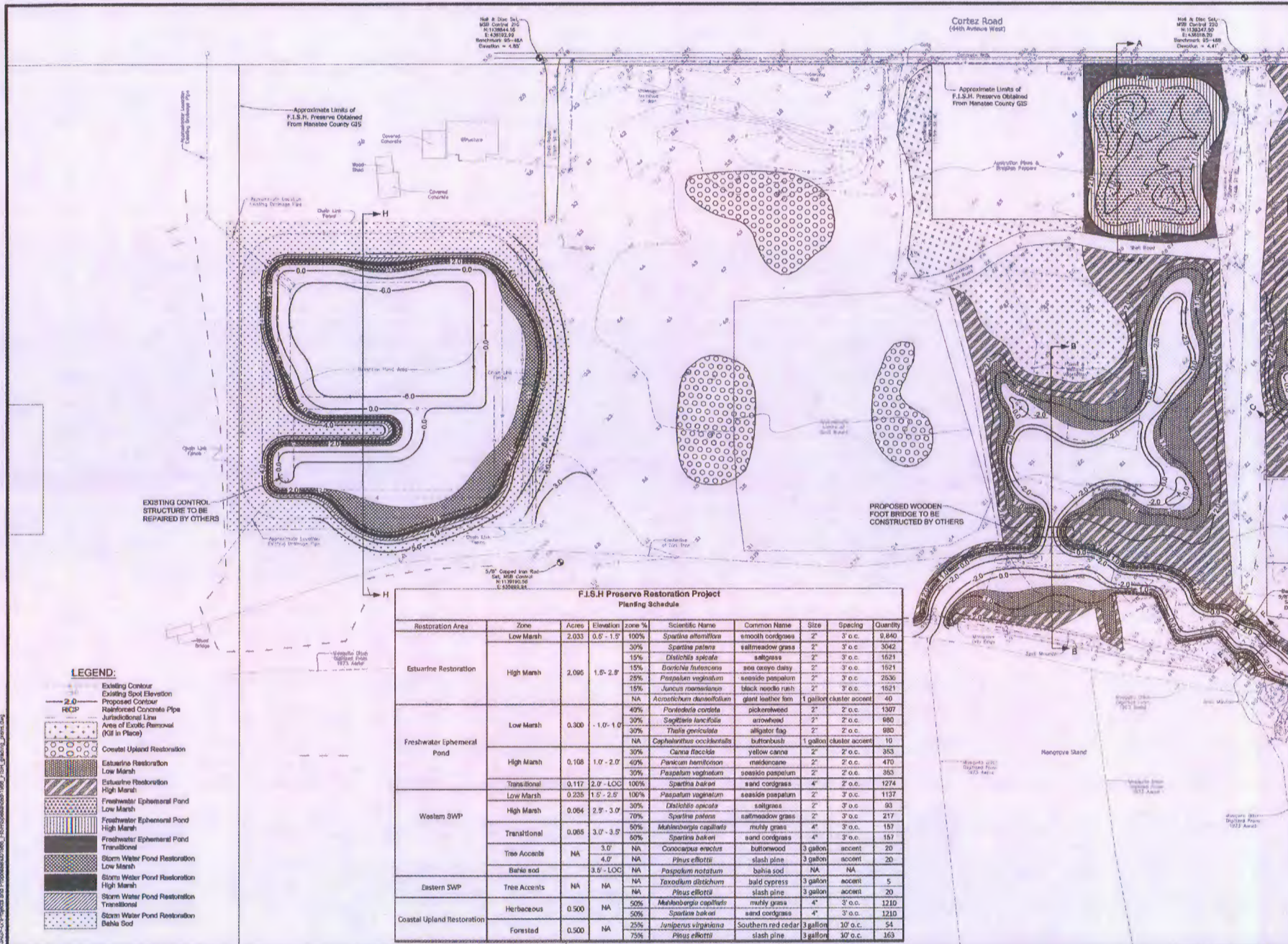
SHEETS 4 & 6

SARASOTA BAY

SHEET 2 of 9	SARASOTA BAY ESTUARY PROGRAM	F.I.S.H. PRESERVE HABITAT RESTORATION PROJECT KEY MAP	DRAWN: JAO DATE: 6-2013 DESIGNED: TR DATE: 6-2013 CHECKED: MJS DATE: 6-2013 REVISIONS: 1. 2.	SCHEDA ECOLOGICAL ASSOCIATES, INC. 5892 EAST FOWLER AVENUE TAMPA, FLORIDA 33617 (813) 969-9800



\\GIS-C\Projects\and\Drawings\2013\17550\17550.dwg, 7/25/2013, gms, gms



MATCHLINE - SEE SHEET 6 OF 9

SCHEDA
ECOLOGICAL ASSOCIATES, INC.
5892 EAST FOWLER AVENUE
TAMPA, FLORIDA 33617
(813) 969-9600

DATE: 4-2013
DRAWN: JAG
DESIGNED: TR
CHECKED: MJS
REVISIONS:
1. 8-2013 Add Wetland Line Limits

SARASOTA BAY
ESTUARY
PROGRAM

F.I.S.H. PRESERVE
HABITAT RESTORATION
PROJECT
PLANTING PLAN

SHEET
5 of 9

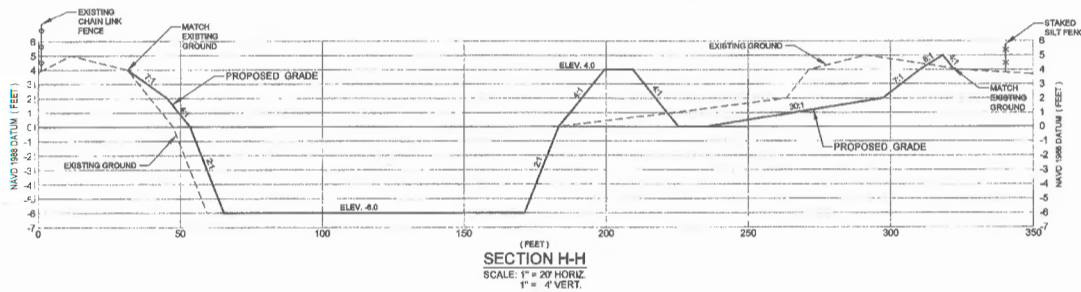
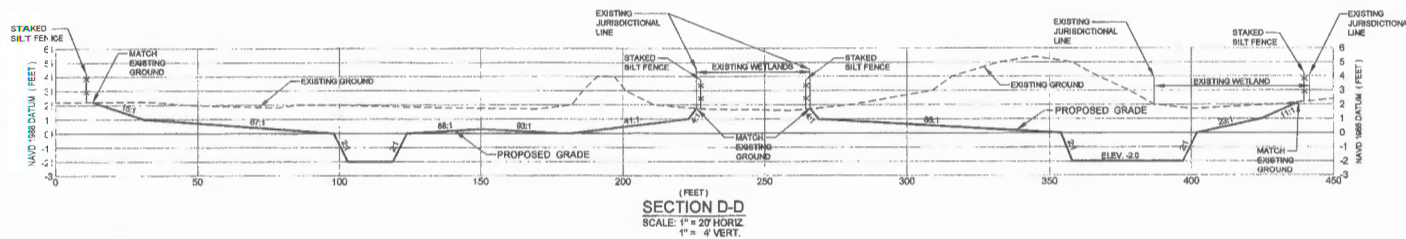
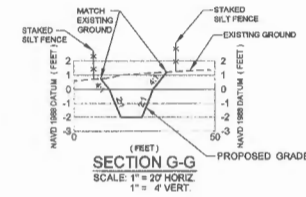
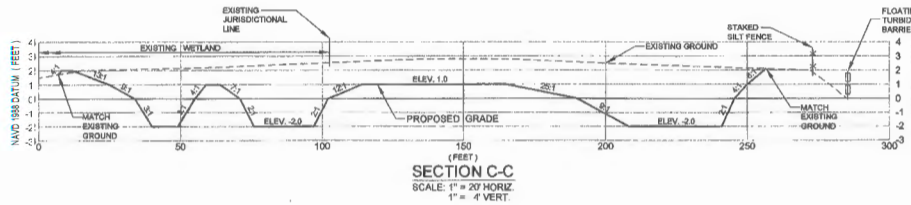
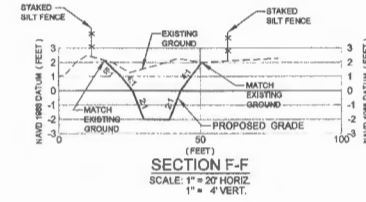
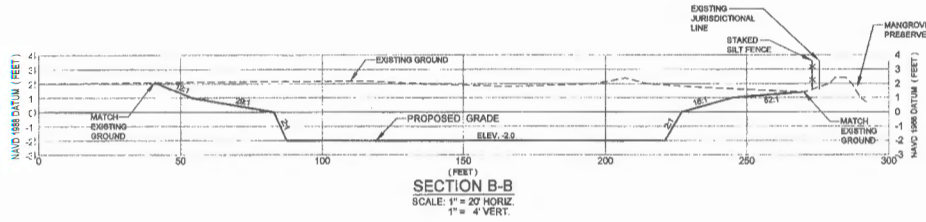
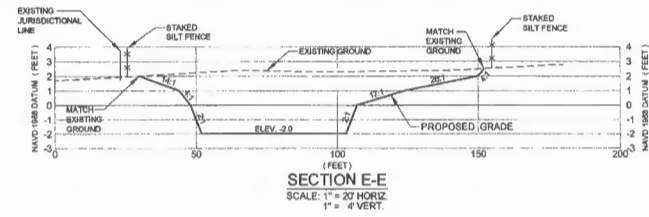
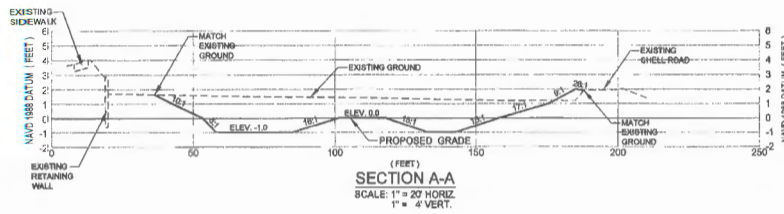
SARASOTA BAY	F.I.S.H. PRESERVE	HABITAT RESTORATION	ESTUARY	PROGRAM	PROJECT	PLANTING PLAN	2.
DATE: 6-2013	DATE: 6-2013	DESIGNED: TS	CHECKED: M.S.	DATE: 6-2013	REVISIONS:	1. 6-2013 Add Wetland Line Limits	

SCHEIDA
ECOLOGICAL ASSOCIATES, INC.
5892 EAST FOWLER AVENUE
TAMPA, FLORIDA 33617
(813) 989-9600



MATCHLINE - SEE SHEET 5 OF 9

ACG-C Projects and Proposals: 368 FISHGARDEN/1985 FISH Grading plans dng



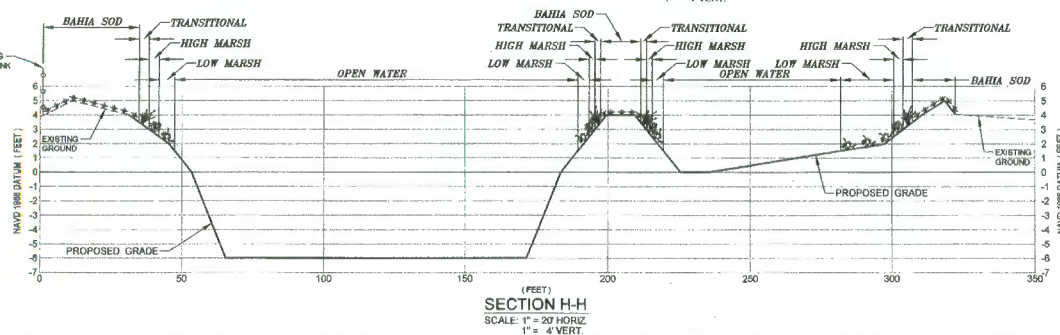
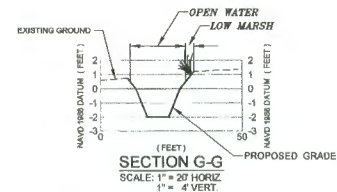
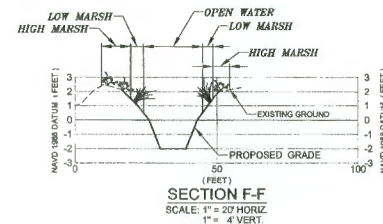
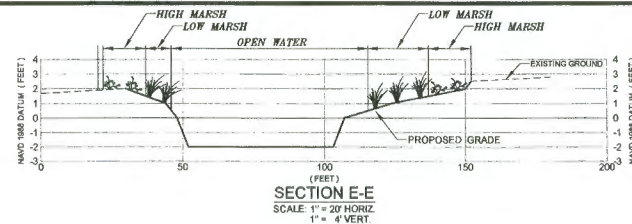
SCHEDA
ECOLOGICAL ASSOCIATES, INC.
5892 EAST FORTER AVENUE
TAMPA, FLORIDA 33617
(813) 989-9600



DATE: 8-2013	DATE: 8-2013
DRAWN: JAG	DESIGNED: JTE
CHECKED: MSL	REVISIONS:
1. 8-2013 Add Wetland Line Limits	
2.	
GRADING SECTION: 5	

ESTUARY PROGRAM
HABITAT RESTORATION





DRAWN: JAG	DATE: 6-2013
DESIGNED: TR	DATE: 6-2013
CHECKED: MJS	DATE: 6-2013
REVISIONS:	
1.	
2.	

SARASOTA BAY	F.I.S.H. PRESERVE
ESTUARY	HABITAT RESTORATION
PROGRAM	PROJECT
	PLANTING SECTIONS

A circular seal for the Professional Engineer of the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "STATE OF FLORIDA" at the bottom. In the center, it says "No. 46005".

MICHAEL L. STURM, P.E.
FLORIDA REGISTRATION NO. 46005

GENERAL CONSTRUCTION NOTES

- [illegible]

CLEARING AND EROSION CONTROL NOTES

- [illegible]

PAVING AND GRADING NOTES

- [illegible]

SAFETY NOTES

5. DURING THE INVESTIGATION AND PROSECUTION OF THIS CRIME, THE CONSTRUCTION TEAM, THE INVESTIGATING AND PROSECUTING OFFICIALS, AND THE JURY ARE REQUESTED TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES.
6. THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES.
7. THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES.
8. THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES.
9. THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES.
10. THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES, AND TO CONSIDER THE FACTS OF THIS CASE, AS REPORTED BY THE WITNESSES.

SURVEY NOTES

- [illegible]

GENERAL ENVIRONMENTAL RESTORATION NOTES

1. A. L. KATZMAN, *THE UNIVERSITY OF TEXAS AT AUSTIN*, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
2. A. L. KATZMAN, *THE UNIVERSITY OF TEXAS AT AUSTIN*, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
3. A. L. KATZMAN, *THE UNIVERSITY OF TEXAS AT AUSTIN*, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
4. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
5. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
6. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
7. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
8. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
9. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
10. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
11. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
12. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
13. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
14. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.
15. THE UNIVERSITY OF TEXAS AT AUSTIN, 214 CAMPUS DR., AUSTIN, TEXAS 78712, U.S.A.

GENERAL ENVIRONMENTAL RESTORATION NOTES

- [illegible]