



MANATEE COUNTY
FLORIDA

July 16, 2012

TO: All Interested Bidders

SUBJECT: Invitation for Bid # 12-1926-DS
The Rookery at Perico Preserve

ADDENDUM # 1

Bidders are hereby notified that this Addendum shall be acknowledged on pages 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

The deadline for clarification of questions is **July 25, 2012 at 3:00 pm.** This deadline has been established to maintain fair treatment of all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve. Questions received after this date and time shall not be considered.

A public request was made for the Engineer's estimate for this project.

Attached is a copy of the engineer's estimate letter (1) page dated May 31, 2012. It is important to note that Manatee County Government is currently receiving competitive bids which are up to 50% lower than the engineer's estimate. (1 page)

Finance Management Department
Mailing Address: Purchasing Division: 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205
PHONE: 941-749-3045 * FAX: 941-749-3034
www.mymanatee.org

Page 2
July 16, 2012
Invitation for Bid # 12-1926-DS
The Rookery at Perico Preserve

A public request was made for the Non-Mandatory Information Conference Attendance Log along with the Guided Site Visit Log to make available the following:

Non-Mandatory Information Conference Attendance Log (1 page)
Guided Site Visit Log (1 page)

The following information by way of Addendum #1 will need to be made part of the solicitation for review.

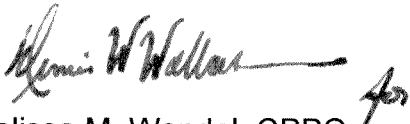
1. Perico PSI Geotech Report dated 2.17.2012 (13 pages)
2. SWFWMD_ERP Permit (16 pages)
3. USACE Permit (43 pages)
4. FDOT Driveway Connection Permit (19 pages)

The deadline for submitting sealed Bids at the Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, Florida 34205.

The date and time of the Bid Opening is as noted until 2:00 pm on August 3, 2012.

END ADDENDUM # 1

Sincerely,



Melissa M. Wendel, CPPO
Purchasing Official
/ds

(Attachments: Attendance Log/Non Mandatory Information Conference; Guide Site Visit Log, Engineers Estimate, Perico PSI Geotech Report dated 2.17.2012, SWFWMD_ERP Permit. USACE Permit. FDOT Driveway Connection Permit)

Finance Management Department
Mailing Address: Purchasing Division: 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205
PHONE: 941-749-3045 * FAX: 941-749-3034
www.mymanatee.org



1777 Tamiami Trail, Suite 206
Port Charlotte, FL 33948
(941) 255-0655



Date: May 31, 2012

To: Melissa M. Wendel, CPPO
Purchasing Official

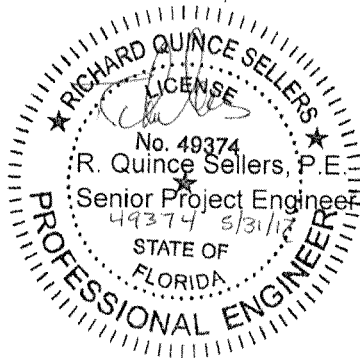
Subject: The Rookery at Perico Preserve Project
Opinion of Probable Cost for Construction

The opinion of probable cost of construction for the work as shown on the Contract Drawings and described in the Bid Summary for the The Rookery at Perico Preserve Project is **\$1,108,500** (one million one hundred eight thousand five hundred dollars).

The opinion of probable cost of construction was determined on May 24, 2012. The opinion of probable cost of construction is based upon the original drawings and specifications issued. Changes to the specifications subsequent to the original documents by addenda to this bid may not be accounted for in this opinion of probable cost of construction.

Sincerely,

WilsonMiller, Inc.



C: Donna Stevens
Charlie Hunsicker

ATTENDANCE RECORDNON-MANDATORY
INFORMATION CONFERENCE

Title: **The Rookery at Perico Preserve**

Location: **Manatee County Purchasing Conference Room Suite 803
Bradenton, Florida 34205.**

Date / Time: July 13, 2012 (9:00 AM)

IFB #: **IFB #12-1926-DS**

Deadline for Clarification Requests: July 25, 2012 at (3:00pm)

Bid Due Date: August 3, 2012 at 2:00 pm

Please print all entries

| Name/Title | Firm | Phone # | Email Address |
|--|--|---|--|
| ^{DMS} Donna M. Stevens Contract Specialist | Manatee County Government | (941) 749-3045 | donna.stevens@mymanatee.org |
| ^{MD} Max Dersch Resource Management Division Manager, Natural Resources | Manatee County Government | (941) 748-4501 ext. 4604 | max.dersch@mymanatee.org |
| Charlie Hunsicker Director Natural Resources Dept. | Manatee County Government | (941) 748-4501 ext. 4601 | charlie.hunsicker@mymanatee.org |
| ^{ED} Jeff Streitmatter Project Management Div. Mgr Public Works | Manatee County Government | (941) 708-7450 ext. 7335 | jeff.streitmatter@mymanatee.org |
| ^{MARK UNGER} PROJECT MANAGER | MANASOTA COMMERCIAL CONSTRUCTION | 741 795.2732 | MARKU@MANASOTA CONSTRUCTION.COM |
| JOE RODI Business Develop | QGS Development | 813 634 3326 | Jrodi@QGS Development.COM |
| HERB HAWK ESTIMATING | GIBBS & REGISTER, INC. | 407.654.6133 | ESTIMATING@ GIBBSANDREGISTER.COM |

NON-MANDATORY INFORMATION CONFERENCE

| Name/Title | Firm | Phone # | Email Address |
|---------------------------------------|------------------------|----------------|--------------------------------------|
| R. Quince Sellers Project Engineer | STANTEC | 941 255 0655 | quince.sellers@stantec.com |
| MIKE BENNETT ESTIMATOR | DANIEL WALKER INC | 941 916 8283 | MIKE@DANIELWALKERINC.COM |
| Brewster Domkowski CSD Manager | Universal Engineering | 941 358-7410 | bdombkowski@universalengineering.com |
| Matt Merucci ESTIMATOR | C+M BUILDERS | (407) 758 1933 | mmerucci@cmrbuilders.com |
| Julie Bauer ESTIMATOR | GATOR GRADING & PAVING | (41) 751-3900 | Dancer.joe@joejoe.com |
| William Grady | DR SWANSON Co | (407) 6298466 | DRSwansonCo@Comcast.net |
| Dennis Holt | Woodruff & Sons | 941-756-1871 | dennis@woodruffandsons.com |
| Don Woodruff | " " " | " " " | don@woodruffandsons.com |
| Damon Moore | Manatee Co | 737 0104 | damon.moore@mymanatee.org |
| MIKE BURTON | STANTEC | 941 907 6900 | MIKE.BURTON@STANTEC.COM |
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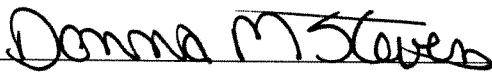


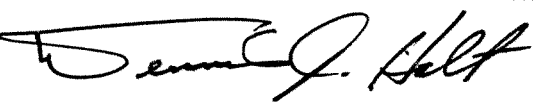
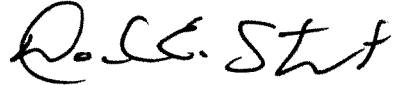

NON-MANDATORY SITE VISIT ATTENDANCE RECORD
GUIDED


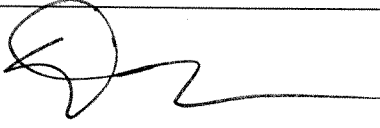



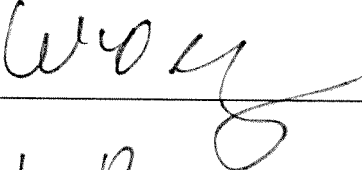
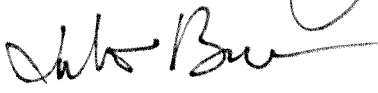
Title: The Rookery at Perico Preserve

Location: Perico Island in West Bradenton, on the north side of Manatee Ave (SR64) with Sections 22, 26, and 27, Township 34 South, Range 16 East in Manatee County, Bradenton Florida

IFB #: 12-1926-DS

Site Visit: July 13, 2012 at 10:45 AM

| NAME/PRINT | SIGNATURE | FIRM |
|------------------------------|---|--------------------------------------|
| Donna Stevens |  | Manatee County Government |
| Max Dersch |  | Manatee County Government |
| Charlie Hunsicker | | Manatee County Government |
| Damon Moore | see page 2 for signature | Manatee County Government |
| Joe Rodi | J. Rodi | QGS Development |
| HERB HAWK |  | GIBBS & REGISTER, INC. |
| Dennis Holt |  | Woodruff & Sons |
| DAVE STRAWTER |  | CERTUS BUILDERS, INC. |
| Mike Burton |  | STANTEC |

| NAME/PRINT | SIGNATURE | FIRM |
|---------------------|---|-------------------------|
| Jeff Stronmeyer |  | Public Works |
| Damon Moore |  | Manuel Co. |
| MIKE BENNETT |  | DANIEL WALKER INC. |
| Don Woodruff |  | Woodruff & Sons |
| QUINCE SELLERS |  | STANTEC |
| William Grady Wiley |  | DR Swanson Co. |
| Julie Bansen |  | GATOR GRASSING & PAVING |
| | | |
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| | | |

PERMIT VOID UNLESS DOT OPERATIONS
CENTER IS NOTIFIED 48 HRS IN
ADVANCE OF STARTING WORK

Rule 14-06

PHONE (941) 359-7300
VERIFICATION NO _____

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**DRIVEWAY/CONNECTION PERMIT
FOR ALL CATEGORIES**

ALL CONTRACTORS AND
SUBCONTRACTORS SHALL
BE RESPONSIBLE FOR
COMPLIANCE WITH
PERMITTED NOT
PLAN.

850-040-18
SYSTEMS PLANNING
06/06
Page 1 of 3

PART 1: PERMIT INFORMATION

Application Number: 2012-A-194-27

Permit Category: B Access Classification: 6

Project: Rookery at Perico Preserve

Permittee: Manatee County Natural Resources Department

Section/Mile Post: 13150 / M.P. 0.988 State Road: 64

Section/Mile Post: _____ State Road: _____

PART 2: PERMITTEE INFORMATION

Permittee Name: Manatee County Natural Resources Department

Permittee Mailing Address: 415 10th Street West

City, State, Zip: Bradenton, Florida, 34205

Telephone: (941) 745-3727

Engineer/Consultant/or Project Manager: R. Quince Sellers, P.E.

Engineer responsible for construction inspection: R. Quince Sellers, P.E. 49374
NAME P.E. #

Mailing Address: 6900 Professional Parkway East

City, State, Zip: Sarasota, Florida 34240

Telephone: (941)255-0655 FAX: (941) 255-1755

**Soil All Portions of Disturbed
Right-Of-Way.**



**CALL BEFORE YOU DIG
1-800-432-4770
IT'S THE LAW IN FLORIDA**

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 2012-A-194-27

Department of Transportation

Signature: Albert Rosenstein Title: Engineering Manager

Department Representative's Name: Albert Rosenstein

Temporary Permit: YES NO (If temporary, this permit is only valid for 6 months)

Special provisions attached: YES NO

Date of Issuance: 6.13.12

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specific in 14-96.007(6).

See following pages for General and Special Provisions

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**DRIVEWAY/CONNECTION PERMIT
FOR ALL CATEGORIES****PART 4: GENERAL PROVISIONS**

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.
Phone: (941) 359-7300 _____, Attention: Ed Giddens
2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection of construction.
3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.
4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.
5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.
6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.
7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.
8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.
9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.
10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.
11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.
13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility, except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.
14. The Permittee shall be responsible for determining and notify all other users of the right of way.
15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**DRIVEWAY/CONNECTION PERMIT
 FOR ALL CATEGORIES**

PART 5: SPECIAL PROVISIONS

NON-CONFORMING CONNECTIONS: YES NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.
2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:

PART 6: APPEAL PROCEDURES

You may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. If you dispute the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may petition for a formal administrative hearing pursuant to section 120.57(1), Florida Statutes. If you agree with the facts stated in the Notice, you may petition for an informal administrative hearing pursuant to section 120.57(2), Florida Statutes. You must file the petition with:

Clerk of Agency Proceedings
 Department of Transportation
 Haydon Burns Building
 605 Suwannee Street, M.S. 58
 Tallahassee, Florida 32399-0458

The petition for an administrative hearing must conform to the requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and be filed with the Clerk of Agency Proceedings by 5:00 p.m. no later than 21 days after you received the Notice. The petition must include a copy of the Notice, be legible, on 8 1/2 by 11 inch white paper, and contain:

1. Your name, address, telephone number, any Department of Transportation identifying number on the Notice, if known, the name and identification number of each agency affected, if known, and the name, address, and telephone number of your representative, if any, which shall be the address for service purposes during the course of the proceeding.
2. An explanation of how your substantial interests will be affected by the action described in the Notice;
3. A statement of when and how you received the Notice;
4. A statement of all disputed issues of material fact. If there are none, you must so indicate;
5. A concise statement of the ultimate facts alleged, including the specific facts you contend warrant reversal or modification of the agency's proposed action, as well as an explanation of how the alleged facts relate to the specific rules and statutes you contend require reversal or modification of the agency's proposed action;
6. A statement of the relief sought, stating precisely the desired action you wish the agency to take in respect to the agency's proposed action.

If there are disputed issues of material fact a formal hearing will be held, where you may present evidence and argument on all issues involved and conduct cross-examination. If there are no disputed issues of material fact an informal hearing will be held, where you may present evidence or a written statement for consideration by the Department.

Mediation, pursuant to section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an administrative hearing is not affected when mediation does not result in a settlement.

Your petition for an administrative hearing shall be dismissed if it is not in substantial compliance with the above requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code. If you fail to timely file your petition in accordance with the above requirements, you will have waived your right to have the intended action reviewed pursuant to chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DRIVEWAY/CONNECTION APPLICATION
FOR ALL CATEGORIES

OFFICE USE ONLY

| | |
|--|--|
| Application Number: <u>2012-A-194-27</u> | Received By: <u>Ed Giddens</u> <small>DOT STAFF (TYPE OR PRINT)</small> |
| Category: <u>B</u> | Date: <u>6/4/12</u> |
| Section/Mile Post: <u>13150/m.p. 0.988</u> | State Road: <u>SR 64</u> |
| Section/Mile Post: _____ | State Road: _____ |

Instructions – To Applicant

- Contact the Department of Transportation to determine what plans and other documents you are required to submit with your application.
- Complete this form (some questions may not apply to you) and attach all necessary documents and submit it to the Department of Transportation.
- For help with this form contact your local Maintenance or District Office.
 - Or visit our website at www.dot.state.fl.us/onestopp permitting for the contact person and phone number in your area.
 - You may also email – driveways@dot.state.fl.us
 - Or call your District or local Florida Department of Transportation Office and ask for Driveway Permits.

Please print or type

APPLICANT:

Check one: Owner Lessee Contract to Purchase

Name: Manatee County Natural Resources Department

Responsible Officer or Person: Charlie Hunsicker, Director

If the Applicant is a Company or Organization, Name: Manatee County Board of County Commissioners

Address: 415 10th Street West

City, State: Bradenton, FL

Zip: 34205 Phone: (941) 745-3727 Fax: (941) 741-3227

Email: charlie.hunsicker@mymanatee.org

LAND OWNER: (If not applicant)

Name: _____

If the Applicant is a Company or Organization, Name: _____

Address: _____

City, State: _____

Zip: _____ Phone: _____ Fax: _____

Email: _____

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**DRIVEWAY/CONNECTION APPLICATION
FOR ALL CATEGORIES**

AUTHORIZED REPRESENTATIVE: If specified by Applicant to handle, represent, sign, and file the application –
NOTE: A notarized letter of authorization must be provided with the Application.

Name: R. Quince Sellers

Company Name: WilsonMiller Stantec

Address: 6900 Professional Parkway East

City, State: Sarasota, FL

Zip: 34240 Phone: (941) 255-0655 Fax: (941) 255-1755

Email: quince.sellers@stantec.com

Address of property to be served by permit (if known):
11700 Manatee Avenue West, Bradenton, FL

If address is not known, provide distance from nearest intersecting public street (such as, 500 feet south of Main St.)

Check here if you are requesting a

new driveway temporary driveway modification to existing driveway safety upgrade

Does the property owner own or have any interests in any adjacent property?

No Yes, if yes – please describe:

Are there other existing or dedicated public streets, roads, highways or access easements bordering or within the property?

No Yes, if yes – list them on our plans and indicate the proposed and existing access points.

Local Government Development Review or Approval Information:

Local Government Contact: _____

Name: _____

Government Agency: _____

Phone #: _____

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**DRIVEWAY/CONNECTION APPLICATION
 FOR ALL CATEGORIES**

If you are requesting commercial or industrial access, please indicate the types and number of businesses and provide the floor area square footage of each. Use additional sheets if necessary.

| Business (Name and Type) | Square Footage | Business (Name and Type) | Square Footage |
|--------------------------|----------------|--------------------------|----------------|
| 1. | | 3. | |
| 2. | | 4. | |

If you are requesting a residential development access, what is the type (single family, apartment, townhouse) and number of units?

| Type | Number of Units |
|------|-----------------|
| | |
| | |

Provide an estimate of the daily traffic volume anticipated for the entire property at build out. (An individual single family home, duplex, or quad-plex is not required to complete this section).

Daily Traffic Estimate = 72 (Use the latest Institute of Transportation Engineers (ITE) Trip Generation Report)

If you used the ITE Trip Generation Report, provide the land use code, independent variable, and reference page number.

| | | |
|---------------------------------------|------------------------------------|---|
| ITE Land Use Code 412 County Parks | Independent Variable 31.6 Acres | ITE Report page number reference 662 |
|---------------------------------------|------------------------------------|---|

Check with the Florida DOT Office where you will return this form to determine which of the following documents are required to complete the review of your application.

| | |
|---|---|
| Plans should be 11" x 17" (scale 1" x 50') Note: No plans larger than 24" x 36" will be accepted a) Highway and driveway plan profile b) Drainage plan showing impact to the highway right-of-way c) Map and letters detailing utility locations before and after Development in and along the right of way d) Subdivision, zoning, or development plans e) Property map indicating other access, bordering roads and streets | f) Proposed access design g) Parcel and ownership maps including easements (Boundary Survey) h) Signing and striping plans i) Traffic Control/Maintenance of Traffic plan j) Proof of liability insurance k) Traffic Impact Study l) Cross section of roadway every 100' if exclusive turn lanes are required |
|---|---|

Important Notices to Applicant Before Signing Application

The Department Reserves The Right To Change Traffic Features And Devices In Right Of Way At Any Time
 Proposed traffic control features and devices in the right of way, such as median openings and other traffic control devices, are not part of the connection(s) to be authorized by a connection permit. The Department reserves the right to change these features and devices in the future in order to promote safety in the right of way or efficient traffic operations on the highway. Expenditure by the applicant of monies for installation or maintenance of such features or devices shall not create any interest in the maintenance of such features or devices.

Significant Changes In Property Use Must Undergo Further Review
 If an access permit is issued to you it will state the terms and conditions for its use. Significant changes in the use as defined in Section 335.182(3), Florida Statutes, of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

All Information I Give Is Accurate
 I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete and accurate.

Starting Work On The Driveway Connection After I Get My Permit Means I Accept All the Conditions In My Permit
 I will not begin work on the connection until I receive my Permit and I understand all the conditions of the Permit. When I begin work on the connection, I am accepting all conditions listed in my Permit.

Applicant Name (Printed): Charlie Hunsicker, Director Manatee County Natural Resources Dept.

Applicant's signature: *Charlie Hunsicker* 05-31-2012
 Date

**AGENT AUTHORIZATION FORM
FOR
PERICO PRESERVE RESTORATION**

SITE DESCRIPTION: Perico Preserve is a ±175.84 acre parcel located within Section 27, Township 34 South, Range 16 East, in Manatee County, Florida.

PARCEL ID: 7362600059

PHYSICAL ADDRESS: 11700 West Manatee Avenue Bradenton, Florida 34209
(Access gate off SR 64 just west of Perico Isles Subdivision)

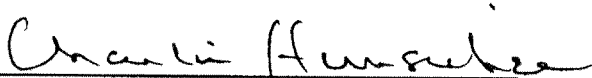
PROPERTY OWNER: Manatee County

The undersigned, registered property owner of the above noted property, do hereby authorize **WilsonMiller Stantec** to act on behalf of **Manatee County** and take all actions necessary for the processing, issuance, and acceptance of this permit or certification and any and all standard and special conditions attached.

PROPERTY OWNER'S ADDRESS (if different than property above):

P.O. Box 1000
Bradenton, FL 34205
Attention: Mr. Charlie Hunsicker
(941) 745-3727

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.



Charlie Hunsicker, Director
Manatee County Natural Resources Department

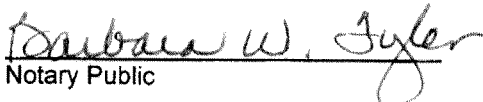
Date: 05/31/2012

STATE OF FLORIDA

COUNTY OF Manatee

I hereby certify that on this day, before me, as an officer duly authorized in the State and County aforesaid to take acknowledgements, personally appeared Charlie Hunsicker who is personally known to me, or who has produced _____ as identification and who did / did not take an oath.

Witness my hand and official seal this 31st day of May, 2012


Notary Public



BARBARA W. TYLER
MY COMMISSION # DD 801994
EXPIRES: July 30, 2012
Bonded Thru Budget Notary Services

NOTARY SEAL



Florida Department of Transportation

RICK SCOTT
GOVERNOR

1840 61st Street
Sarasota, FL 34243

ANANTH PRASAD, P.E.
SECRETARY

June 6, 2012

Mr. R. Quince Sellers, P.E.
WilsonMiller-Stantec
6900 Professional Parkway East
Sarasota, Florida 34240

RE: The Rookery at Perico Preserve

Dear Mr. Sellers:

Our Sarasota Maintenance Office has reviewed the above referenced project and offers the following comments.

The Department does not charge other government entities, therefore I am returning your application fee.

These comments are not intended to be all-inclusive and it should not be assumed that any issues not addressed in this correspondence are acceptable to this Department.

If you have any questions, or need any further information, please give me a call at (941) 359-7305.

Sincerely,

A handwritten signature in cursive script that reads "Valerie Everts".

Valerie Everts,
Sarasota Operations,
Permits Coordinator

CC: Permit File

WILSONMILLER, INC.
PETTY CASH ACCOUNT
6800 PROFESSIONAL PKWY. E.
SARASOTA, FL 34240-8414

11/98

3850

DATE 5-31-12

63-27/631 FL
362

PAY
TO THE
ORDER OF

Florida Department of Transportation \$ 250.00
Two Hundred and Fifty 00/100 DOLLARS

Bank of America



ACH R/T 063100277

Michael A. Kennedy
J. Michael Bell

FOR Application Fee 215516397/220

⑈003850⑈ ⑆063100277⑆ 003661218940⑈

Edy

3850

WILSONMILLER, INC. 11/98
PETTY CASH ACCOUNT
6900 PROFESSIONAL PKWY. E.
SARASOTA, FL 34240-8414

63-27/631 FL
362

DATE 5-31-12

PAY TO THE ORDER OF Florida Department of Transportation \$ 250.00

Two Hundred and Fifty ⁰⁰/₁₀₀ DOLLARS



M. A. H. H. H.

ACH R/T 063100277

FOR Application Fee 215510397/220

J. Michael Bell

⑆003850⑆ ⑆063100277⑆ 003661218940⑆

Sent Via: Fed Ex

May 31, 2011

File: 215510397

Sarasota Operations Center
Florida Department of Transportation
1840 61st Street
Sarasota, FL 34243



Attention: Ed Giddens, Permits Manager

Dear Mr. Giddens,

**Reference: Driveway/Connection Application For All Categories
The Rookery at Perico Preserve
Manatee County, Florida**

On behalf of the applicant, Manatee County Natural Resources Department, please find enclosed:

- > 1 check for \$250.00 payable to the FDOT for processing fees
- > 4 executed FDOT Driveway/Connection Applications
- > 4 Signed and Sealed Construction Plans for The Rookery at Perico Preserve
- > 4 Agent Authorization forms for The Rookery at Perico Preserve

The proposed driveway/connection application is submitted to provide permanent access to the Perico Preserve site and serve a proposed 23 space parking area (± 0.4 ac) at build out of The Rookery at Perico Preserve.

The overall property area of the Perico Preserve owned by Manatee County is ± 175.8 acres. This includes ± 119.6 acres of existing jurisdictional wetlands, ± 8.3 acres of additional wetland creations wetlands, and a proposed ± 16.3 acre pond with a rookery island for ecological restoration and enhancement. The remaining ± 31.6 acres of uplands/non-wetland area (of which 21.5 acres was designated for ecological restoration and enhancement) was used as the independent variable in the ITE 8TH Edition Trip Generation for land use code 412-County Parks to estimate the daily traffic at 72 trips for the site.

Please contact me if you have any questions.

Sincerely,

WilsonMiller Stantec



R. Quince Sellers, P.E.
Senior Project Engineer
Ph: 941.255.0655 x232
Fx: 941.250.1755
quince.sellers@stantec.com

Enclosures (As stated)

C: Charlie Hunsicker – Director Manatee County Natural Resources (with enclosures)

FLORIDA DEPARTMENT OF TRANSPORTATION
Stormwater Pollution Control Reminder

- *Stormwater Management*
Contact your local municipality and/or the Southwest Florida Management District.
Bartow (863) 534-1448
Venice (Sarasota) (941) 278-7396
Fort Myers (Sarasota) (941) 278-7396
- Fort Myers is also part of South Florida Water Management District (800) 432-2045.

- *Used Oil recycling*
Contact the Florida Department of Environmental Protection at (813) 744-6100 or your local automotive parts store.

- *Hazardous Waste Disposal*
Contact the Florida Department of Environmental Protection at (813) 744-6100.

- *Spill Reporting*
State Warning Point (800) 320-0519
Federal Response Center (800) 424-8802

- *Pesticides & Fertilizers*
Contact your Local County Agricultural Extension Service.
Charlotte (941) 764-4340
Collier (239) 353-4244
Desoto (863) 993-4846
Glades (863) 946-0244
Hardee (863) 773-2164
Hendry (863) 674-4094
Highlands (863) 402-6540
Lee (239) 461-7500
Manatee (941) 722-4524
Okeechobee (863) 763-6469
Polk (863) 519-8677
Sarasota (941) 316-1000

LET'S WORK TOGETHER TO KEEP OUR ENVIRONMENT CLEAN...

AND INVEST IN FLORIDA'S FUTURE



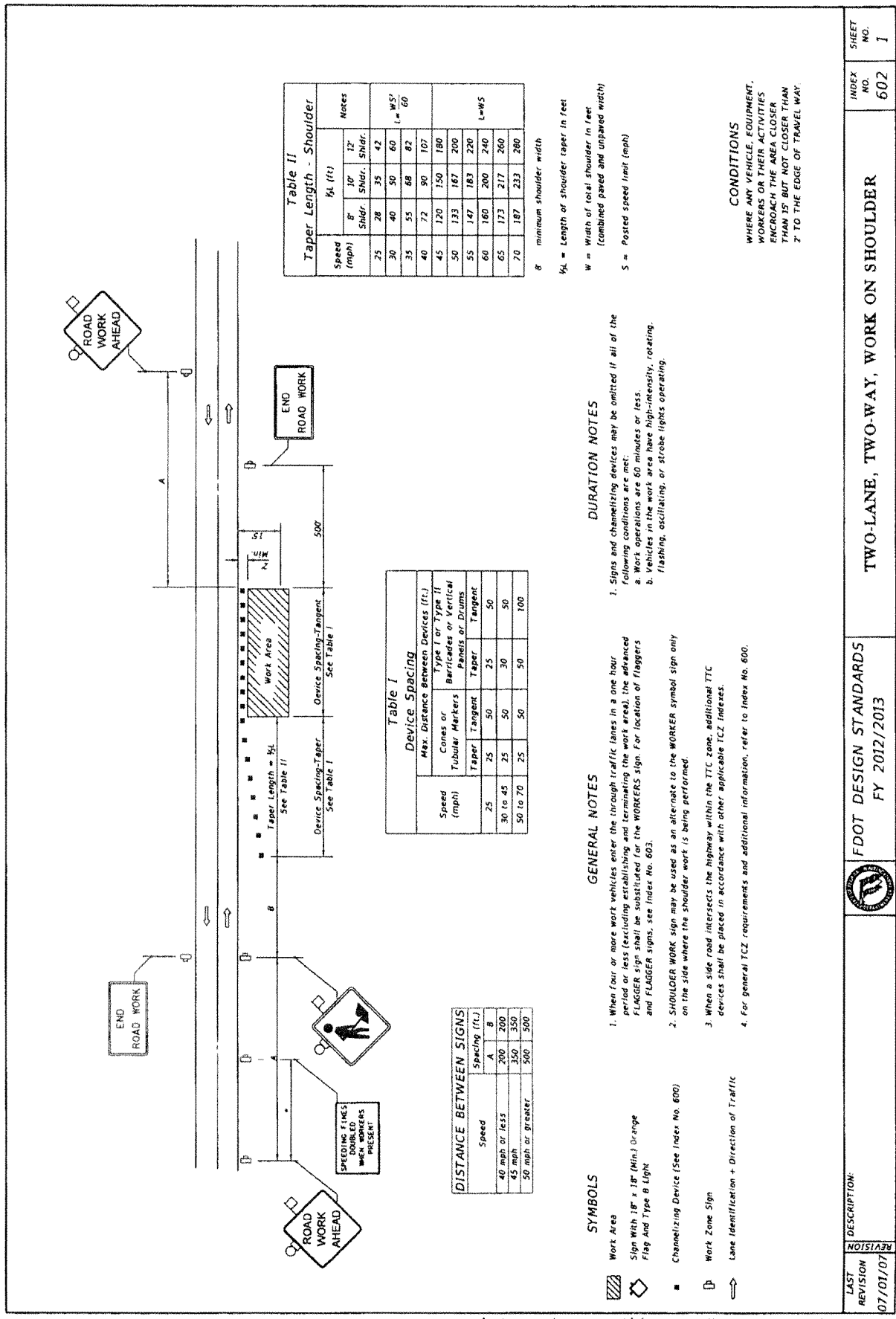


Table II
Taper Length - Shoulder

| Speed (mph) | l/4 (ft) | | Notes |
|-------------|-----------|------------|-------|
| | B' Shldr. | 12" Shldr. | |
| 25 | 28 | 35 | 42 |
| 30 | 40 | 50 | 60 |
| 35 | 55 | 68 | 82 |
| 40 | 72 | 90 | 107 |
| 45 | 120 | 150 | 180 |
| 50 | 133 | 167 | 200 |
| 55 | 147 | 183 | 220 |
| 60 | 160 | 200 | 240 |
| 65 | 173 | 217 | 260 |
| 70 | 187 | 233 | 280 |

Table I
Device Spacing

| Speed (mph) | Max. Distance Between Devices (ft.) | | |
|-------------|-------------------------------------|--|---------|
| | Cones or Tubular Markers | Type I or Type II Barricades or Vertical Panels or Drums | Tangent |
| 25 | 25 | 50 | 25 |
| 30 to 45 | 25 | 50 | 30 |
| 50 to 70 | 25 | 50 | 50 |
| 70 to 100 | 25 | 50 | 100 |

DISTANCE BETWEEN SIGNS

| Speed | Spacing (ft.) | |
|-------------------|---------------|-----|
| | A | B |
| 40 mph or less | 200 | 200 |
| 45 mph | 350 | 350 |
| 50 mph or greater | 500 | 500 |

SYMBOLS

- Work Area
- Sign with 18" x 18" (Min.) Orange Flag and Type B Light
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

GENERAL NOTES

1. When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index No. 603.
2. SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
3. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TTC indexes.
4. For general TTC requirements and additional information, refer to Index No. 600.

DURATION NOTES

1. Signs and channelizing devices may be omitted if all of the following conditions are met:
 - a. Work operations are 60 minutes or less.
 - b. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCLOSE THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 7' TO THE EDGE OF TRAVEL WAY

l/4 = minimum shoulder width
 B' = length of shoulder taper in feet
 W = width of total shoulder in feet (combined paved and unpaved width)
 S = Posted speed limit (mph)

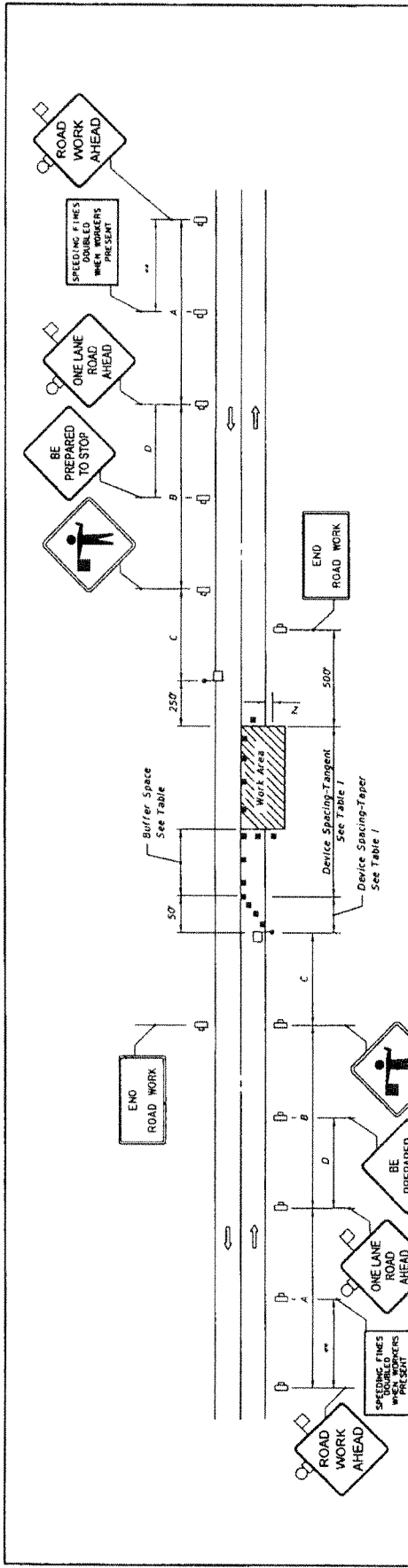
LAST REVISION 07/01/07

DESCRIPTION:

FDOT DESIGN STANDARDS
 FY 2012/2013

TWO-LANE, TWO-WAY, WORK ON SHOULDER

INDEX NO. 602
 SHEET NO. 1



DISTANCE BETWEEN SIGNS

| Speed (mph) | Spacing (ft.) | | | |
|---------------|---------------|------|------|-----|
| | A | B | C | D |
| 40 or less | 200 | 200 | 200 | 100 |
| 45 | 350 | 350 | 350 | 175 |
| 50 | 500 | 500 | 500 | 250 |
| 55 or greater | 1640 | 1640 | 1000 | 500 |

TABLE 1 DEVICE SPACING

| Speed (mph) | Max. Distance Between Devices (ft.) | | | |
|-------------|-------------------------------------|--|-------|---------|
| | Cones or Tubular Markers | Type I or Type II Barricades or Vertical Panels or Drums | Taper | Tangent |
| 25 to 45 | 20 | 50 | 20 | 50 |
| 50 to 70 | 20 | 50 | 20 | 100 |

BUFFER SPACE

| Speed (mph) | Dist. (ft.) |
|-------------|-------------|
| 25 | 155 |
| 30 | 200 |
| 35 | 250 |
| 40 | 305 |
| 45 | 360 |
| 50 | 425 |
| 55 | 495 |
| 60 | 570 |
| 65 | 645 |
| 70 | 730 |

* The ROAD WORK 1 MILE sign may be used as an alternate to the ROAD WORK AHEAD sign.

** 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

*** BE PREPARED TO STOP sign may be omitted for speeds of 45 MPH or less.

GENERAL NOTES

- Work operations shall be confined to one traffic lane, leaving the opposite lane open to traffic.
- Additional one-way control may be effected by the following means:
 - Flag-carrying vehicle.
 - Official vehicles.
 - Pilot vehicles.
 - Traffic signals.

SYMBOLS

- Work Area
- Sign With 18' x 18' (Min) Orange Flag And Type B Light
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Flagger
- Automated Flagger Assistance Devices (AFAD) With Gate
- Lane Identification + Direction of Traffic

DURATION NOTES

- ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Speed limit is 45 mph or less.
 - No sign obstructions to vehicles approaching the work area for a distance equal to the buffer space.
 - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
 - Volume and complexity of the roadway has been considered.

When Buffer Space cannot be attained due to geometric constraints, the greatest attainable length shall be used, but not less than 200 ft.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUCH THE AREA BETWEEN THE CENTERLINE AND A LINE 7' OUTSIDE THE EDGE OF TRAVEL WAY.

LAST REVISION 07/01/09

FDOT DESIGN STANDARDS FY 2012/2013

TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY

INDEX NO. 603 SHEET NO. 7

PERMIT VOID UNLESS DOT SARASOTA OPERATIONS OFFICE NOTIFIED 48 HOURS IN ADVANCE OF STARTING WORK.
PHONE: (941) 359-7300

IF A LANE CLOSURE IS WITHIN THE PROJECT LIMITS, THE PERMITTEE MUST NOTIFY THE DEPARTMENT 14 DAYS PRIOR TO A LANE CLOSURE TO ALLOW THE DEPARTMENT TO INFORM THE MOTORING PUBLIC. FAILURE TO CALL MAY RESULT IN A DELAY TO BEGIN WORK.

IF NO CLOSURES ARE REQUIRED THE SARASOTA OPERATIONS OFFICE MUST BE NOTIFIED 48 HOURS IN ADVANCE OF STARTING WORK. FAILURE TO CALL MAY RESULT IN A DELAY TO BEGIN WORK.

LANE CLOSURES AND OTHER WORK MAY BE RESTRICTED BY THE FDOT DUE TO HEAVY TRAFFIC AND POTENTIAL BACKUPS CAUSED BY THIS CONSTRUCTION. NIGHT WORK MAY BE REQUIRED.

DISTRICT ONE LANE CLOSURE POLICY MAY REQUIRE WORK TO BE PERFORMED DURING NIGHT TIME HOURS DUE TO LANE ANALYSIS AND/OR LANE RESTRICTIONS.

APPLICANT IS RESPONSIBLE FOR NOTIFYING OWNERS OF ALL EXISTING AERIAL AND BURIED UTILITIES OF PROPOSED DRIVEWAY AND RESOLVING ANY CONFLICTS BEFORE CONSTRUCTION BEGINS.

IN ACCORDANCE WITH FLORIDA STATUS 335.18 PERMITTEE SHALL BE REQUIRED TO BEAR THE COST OF FUTURE ACCESS MODIFICATIONS, TRAFFIC CONTROL DEVICES OR OTHER IMPROVEMENTS, WHEN DETERMINED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION TO BE IN CONJUNCTION WITH ACCEPTED ENGINEERING PRACTICES.

ALL CONSTRUCTION AND/OR MAINTENANCE ON THE DEPARTMENT'S RIGHT-OF-WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) THE DEPARTMENT'S ROADWAY AND TRAFFIC DESIGN STANDARDS AND BRIDGE CONSTRUCTION.

PERMITTEE/CONTRACTOR MUST WAIT 30 DAYS TO ALLOW ASPHALT FRICTION COURSE TO CURE BEFORE PLACING THERMOPLASTIC STRIPING.

OUR REVIEW COMMENTS ARE NOT INCLUDED TO BE INCLUSIVE OF ALL ERRORS AND OMISSIONS. OUR COMMENTS ARE ALSO NOT INTENDED TO AFFECT THE SCOPE OF WORK OR TO BE CONTRARY TO FHWA POLICY, FDOT DESIGN CRITERIA OR SOUND ENGINEERING PRACTICE. THE CONSULTANT/ENGINEER IS SOLELY RESPONSIBLE FOR THE TECHNICAL ACCURACY, ENGINEERING JUDGEMENT, AND QUALITY OF HIS WORK.

ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLIANCE WITH PERMITTED M.O.T. PLAN.

SOD ALL PORTIONS OF DISTURBED RIGHT-OF-WAY.

NOTE: ALL ABOVE GROUND APPURTENANCES TO BE LOCATED AT RIGHT-OF-WAY LINE.

DENSITY REPORTS ARE TO BE SUBMITTED PRIOR TO PLACEMENT OF PAVEMENT.

"PRIOR TO EXCAVATING CONTACT THE CLERK OF THE CIRCUIT COURT FOR POSSIBLE GASOLINE CONFLICT."

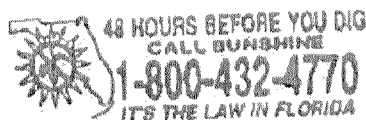
THE APPLICANT SHALL NOT, DURING AND AFTER COMPLETION OF PERMITTED CONSTRUCTION, INTRODUCE ANY FORM OR METHOD OF SITE DRAINAGE DISCHARGE INTO THE DRAINAGE FACILITIES ON THE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY OR EASEMENT. ANY DISCHARGE SHALL BE IN VIOLATION OF THIS PERMIT.

"PERMITTEE IS CAUTIONED THAT UTILITIES MAY BE LOCATED WITHIN THE CONSTRUCTION AREA."

IT IS THE RESPONSIBILITY OF THE PERMITTEE TO DETERMINE AND COMPLY WITH ALL COUNTY AND MUNICIPAL ORDINANCES THAT ARE RELATIVE TO THE CONSTRUCTION OR OTHER ACTIVITY DESCRIBED ON THIS PERMIT AND ARE MORE STRINGENT THAN DEPARTMENT OF TRANSPORTATION REQUIREMENTS.

N.P.D.E.S. REQUIRES THAT STORM WATER CONTROL MEASURES BE IMPLEMENTED ON ANY PROJECT ON PUBLIC TRANSPORTATION FACILITY RIGHTS-OF-WAY INCLUDING, BUT NOT LIMITED TO MEASURES DESCRIBED IN F.D.O.T. STANDARD DESIGN INDEX DRAWING NUMBERS 102, 103 AND 104.

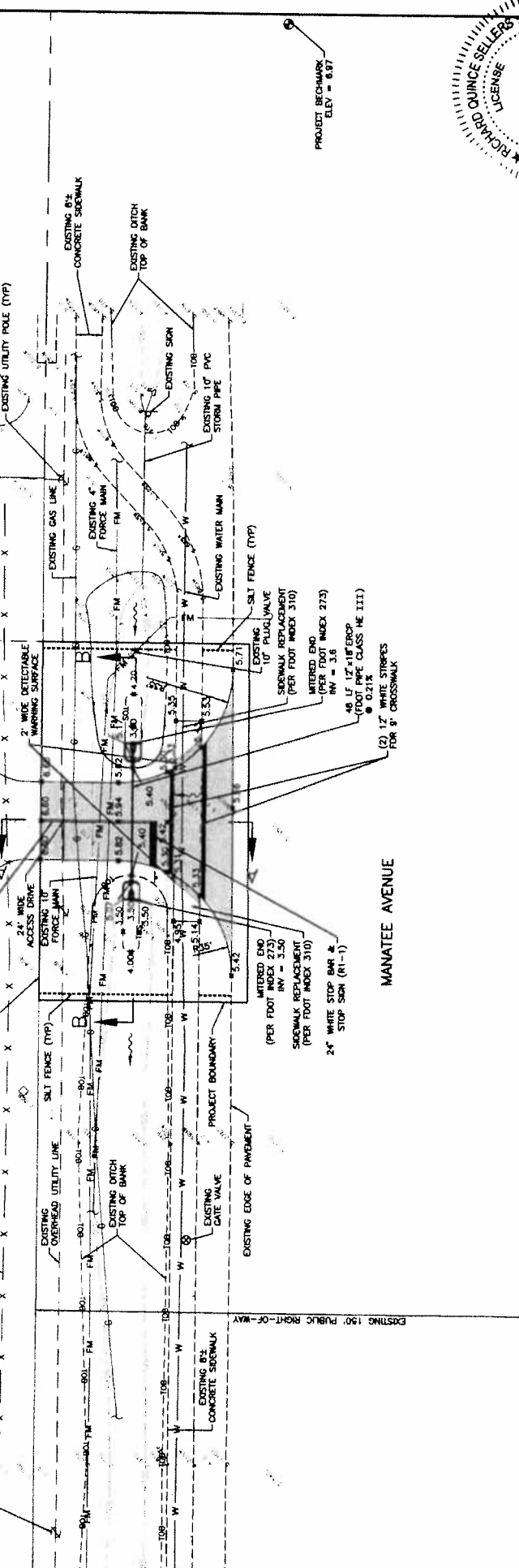
"IF CONSTRUCTION, RECONSTRUCTION, REPAIR OR MAINTENANCE ACTIVITY NECESSITATES THE CLOSING OF ONE OR MORE TRAVEL LANES OF ANY ROAD ON THE STATE PRIMARY, COUNTY ROAD OR CITY STREET SYSTEM, FOR A PERIOD OF TIME EXCEEDING TWO HOURS, THE PARTY PERFORMING SUCH WORK WILL BE RESPONSIBLE TO GIVE NOTICE TO THE APPROPRIATE LOCAL LAW ENFORCEMENT AGENCY WHICH HAS JURISDICTION WHERE SUCH ROAD IS LOCATED PRIOR TO COMMENCING WORK ON THIS PROJECT"
335.15 F.S.91, 336.048 F.S.91



LEGEND

- EXISTING CONCRETE SIDEWALK
- PAVEMENT
- CONCRETE
- #57 STONE
- EXISTING TOP OF BANK
- EXISTING TOP OF SLOPE
- EXISTING FENCE
- EXISTING UTILITY POLE (TYP)
- X.X.XX PROPOSED ELEVATION
- 00.00P - EDGE OF PAVEMENT
- 00.00S - SURFACE BREAK
- 00.00W - SIDEWALK
- 00.01S - TOP OF BANK
- 00.01W - TOP OF SLOPE
- 00.0 - GROUND ELEVATION

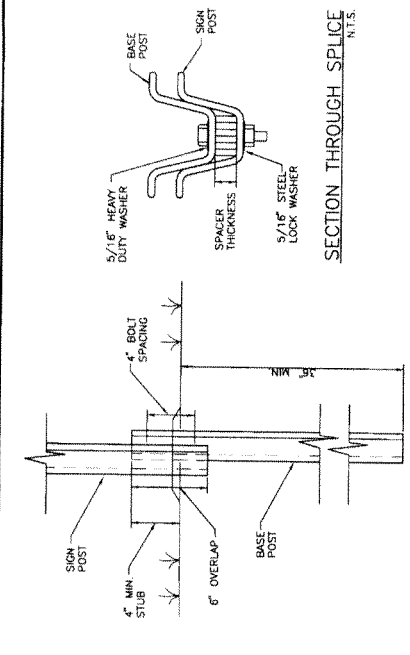
NOTE: 00.00(S) denotes an elevation in feet with the decimal point being the location of the elevation.



PROJECT BEGIN/END
ELEV = 8.97

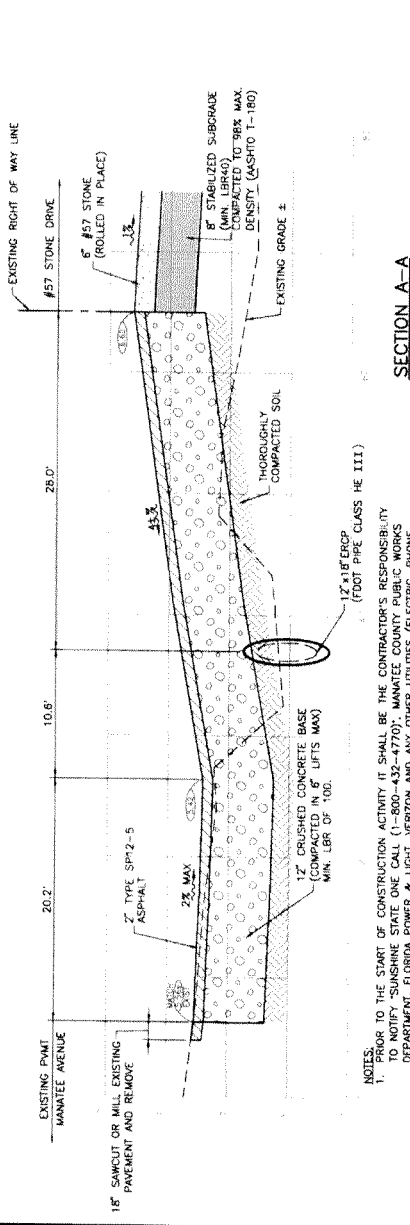
No. 48374
Richard Quince
5-24-12
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE

| | | | |
|---|--|---|--|
| CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS | | PROJECT: THE ROOKERY AT PERICO PRESERVE | |
| TITLE: PROPOSED DRIVEWAY CONNECTION SITE PLAN | | DATE: 5/15/12 | |
| DRAWN BY: [Signature] | | CHECKED BY: [Signature] | |
| SCALE: 1" = 30' | | DATE: 5/15/12 | |
| PROJECT NO. 215010387-220 | | SHEET NO. 3 | |
| DATE: 5/15/12 | | SHEET NO. 4 | |



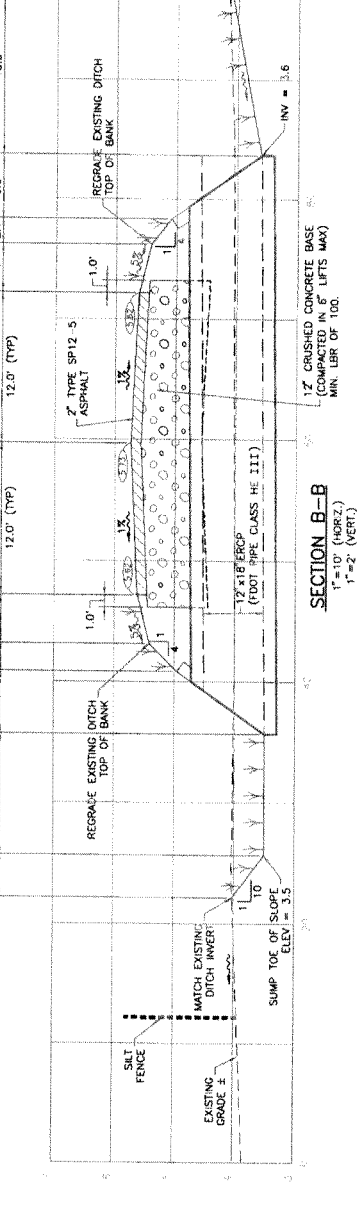
NOTE: MATERIALS AS PER F.O.D.T. SPECIFICATIONS, INDEX NO. 1018 AND ALL APPLICABLE COUNTY REQUIREMENTS.

SECTION A-A
1"=10' (HORIZ.)
1"=2' (VERT.)

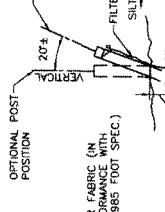


NOTE: PRIOR TO THE START OF CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4270), MANATEE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERIZON AND ANY OTHER UTILITIES (ELECTRIC, PHONE, GAS, CABLE, ETC.). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION OF EXISTING UTILITIES AND PROTECT EXISTING UTILITIES FROM DAMAGE. CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DISTURBED UTILITIES AND AREAS THAT MAY RESULT FROM HIS WORK.

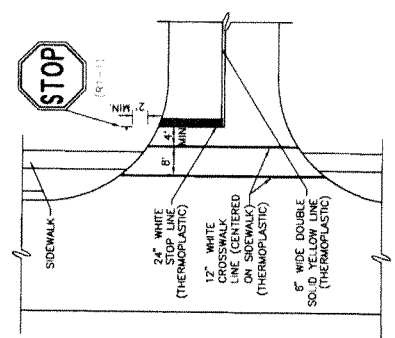
SECTION B-B
1"=10' (HORIZ.)
1"=2' (VERT.)



NOTE: SUMP TOE OF SLOPE ELEV. = 3.5

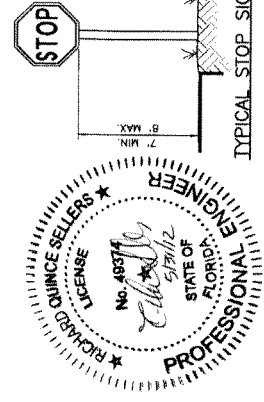


TYPICAL SILT FENCE ELEVATION N.T.S.



NOTE: STRIPING AND SIGNAGE SHALL CONFORM WITH THE MANATEE COUNTY STANDARD SPECIFICATIONS AND FOOT STANDARDS INDEX DRAWINGS FOR SUCH. ALL STRIPING SHALL CONFORM WITH FOOT STANDARD INDEX No. 17346.

TYPICAL STOP SIGN DETAIL N.T.S.



| | | | |
|---|-------------------------|---|----------------------------------|
| DATE: 05/15/12 | SCALE: AS SHOWN | CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS | TITLE: TYPICAL SECTION & DETAILS |
| DESIGNED BY: [Signature] | CHECKED BY: [Signature] | PROJECT: THE ROOKERY AT PERICO PRESERVE | DATE: 05/15/12 |
| APPROVED BY: [Signature] | DATE: 05/15/12 | PROJECT NO: 215510397-220 | DATE: 05/15/12 |
| WilsomMiller & Stantec 177 South Pine Street, Suite 200, Lakeland, FL 34601 Phone: 888.333.3333 Fax: 888.333.3333 | | MANATEE COUNTY BOARD OF COUNTY COMMISSIONERS 215510397-220 | |



Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899
(352) 796-7211 or 1-800-423-1476 (FL only)
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)
On the Internet at: WaterMatters.org

An Equal
Opportunity
Employer

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 534-1448 or
1-800-492-7862 (FL only)

Sarasota Service Office
6750 Fruitville Road
Sarasota, Florida 34240-9711
(941) 377-3722 or
1-800-320-3503 (FL only)

Tampa Service Office
7601 Highway 301 North
Tampa, Florida 33637-6759
(813) 985-7481 or
1-800-836-0797 (FL only)

June 22, 2012

Manatee County Board of County Commissioners
Attn: Charlie Hunsicker, Natural Resources Department
415 10th Street West
Bradenton, FL 34205

Subject: **Notice of Final Agency Action for Approval
ERP General Construction**
Project Name: Manatee County - The Rookery at Perico Preserve
App ID/Permit No: 664115 / 44040091.002
County: MANATEE
Sec/Twp/Rge: S26/T34S/R16E, S27/T34S/R16E

Dear Permittee(s):

This letter constitutes notice of Final Agency Action for **approval** of the permit referenced above. Final approval is contingent upon no objection to the District's action being received by the District within the time frames described in the enclosed Notice of Rights.

Approved construction plans are part of the permit, and construction must be in accordance with these plans. These drawings are available for viewing or downloading through the District's Application and Permit Search Tools located at www.WaterMatters.org/permits.

The District's action in this matter only becomes closed to future legal challenges from members of the public if such persons have been properly notified of the District's action and no person objects to the District's action within the prescribed period of time following the notification. The District does not publish notices of agency action. If you wish to limit the time within which a person who does not receive actual written notice from the District may request an administrative hearing regarding this action, you are strongly encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Publishing notice of agency action will close the window for filing a petition for hearing. Legal requirements and instructions for publishing notice of agency action, as well as a noticing form that can be used is available from the District's website at www.WaterMatters.org/permits/noticing.

If you publish notice of agency action, a copy of the affidavit of publishing provided by the newspaper should be sent to the Regulation Division at the District Service Office that services this permit.

If you have questions, please contact Steven Lopes, at the Tampa Service Office, extension 6506. For assistance with environmental concerns, please contact Donald Herndon, extension 6160.

Sincerely,

Michelle K. Hopkins, P.E.

Environmental Resource Permit Bureau

Enclosures: Approved Permit w/Conditions Attached
 Statement of Completion
 Notice of Authorization to Commence Construction
 Notice of Rights
cc: U. S. Army Corps of Engineers
 Ryan Horstman
 R. Quince Sellers, P.E., WilsonMiller Stantec

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE
GENERAL CONSTRUCTION
PERMIT NO. 44040091.002**

EXPIRATION DATE: June 22, 2017

PERMIT ISSUE DATE: June 22, 2012

This permit is issued under the provisions of Chapter 373, Florida Statutes, (F.S.), and the Rules contained in Chapters 40D-4 and 40D-40, Florida Administrative Code, (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawings, plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). Unless otherwise stated by permit specific condition, permit issuance constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341. All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

PROJECT NAME: Manatee County - The Rookery at Perico Preserve

GRANTED TO: Manatee County Board of County Commissioners
Attn: Charlie Hunsicker, Natural Resources Department
415 10th Street West
Bradenton, FL 34205

OTHER PERMITTEES: N/A

ABSTRACT: This permit authorizes the construction of a surface water management system serving a 20.69 acre public park/ecological restoration project - including parking areas, recreational path, and a 16.27 acre wet pond. A 75-foot wide vegetated buffer is provided for water quality treatment. The site is located on the north side of State Road 64, approximately 2.5 miles west of 75th Street West, in Manatee County, Florida. Information regarding the wetlands and/or surface waters is stated below and on the permitted construction drawings for the project.

OP. & MAIN. ENTITY: Manatee County Board of County Commissioners

OTHER OP. & MAIN. ENTITY: N/A

COUNTY: MANATEE

SEC/TWP/RGE: S26/T34S/R16E, S27/T34S/R16E

TOTAL ACRES OWNED

OR UNDER CONTROL: 175.84

PROJECT SIZE: 20.69 Acres

LAND USE: Government

DATE APPLICATION FILED: April 27, 2012

AMENDED DATE: N/A

I. Water Quantity/Quality

| POND No. | Area Acres @ Top of Bank | Treatment Type |
|----------|--------------------------|------------------------|
| 1 | 16.27 | NO TREATMENT SPECIFIED |
| | Total: 16.27 | |

Comments: The Engineer of Record has demonstrated that the treatment being provided meets or exceeds presumptive treatment criteria. Formal water quality treatment for the proposed parking area is provided by a 75-foot wide vegetated buffer as shown on the construction plans. The ecological restoration project areas and undisturbed areas (as permitted under ERP No. 47040580.000 entitled Perico Preserve Restoration, issued September 7, 2011) located down-gradient of the 75-foot wide vegetated buffer will provide additional beneficial water quality treatment prior to ultimate discharge to the adjacent wetlands. The proposed 16.27 acre wet pond, although not designed to provide formal water quality treatment, will provide additional beneficial water quality enhancement.

A mixing zone is not required.

A variance is not required.

II. 100-Year Floodplain

| Encroachment (Acre-Feet of fill) | Compensation (Acre-Feet of excavation) | Compensation Type | Encroachment Result* (feet) |
|----------------------------------|--|-------------------|-----------------------------|
| 0.00 | 0.00 | No Encroachment | N/A |

Comments: The FEMA 100-year floodplain is due to a tidal surge; no compensation is provided. Historic basin storage loss associated with the filling of 0.56 acres upland cut ditches is mitigated for by the proposed 16.27 acre wet pond.

*Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims Minimal Impact type of compensation.

III. Environmental Considerations

Wetland/Other Surface Water Information

| Wetland/Other Surface Water Name | Total Acres | Not Impacted Acres | Permanent Impacts | | Temporary Impacts | |
|----------------------------------|-------------|--------------------|-------------------|------------------|-------------------|------------------|
| | | | Acres | Functional Loss* | Acres | Functional Loss* |
| Surface Water #1 | 0.17 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 |
| Surface Water #2 | 0.39 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 |
| Total: | 0.56 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 |

* For impacts that do not require mitigation, their functional loss is not included.

Wetland/Other Surface Water Comments:

Wetlands are not located within the project area for this ERP; however, there are 0.56 acre of other surface water features (FLUCCS 510), consisting of 0.56 acre of upland cut ditches, located within the project area. Permanent filling impacts to 0.56 acre of the project surface waters will occur for construction of a wet pond.

Mitigation Information

Mitigation Comments:

Wetland mitigation is not required for permanent filling impacts to the upland cut ditches (Surface Water #1 and Surface Water #2) pursuant to Subsection 3.2.2.2 of the Basis of Review. Under this Subsection, wetland mitigation is not required for impacts to drainage ditches that were constructed in uplands and do not provide significant habitat for threatened or endangered species and were not constructed to divert natural stream flow.

Specific Conditions

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit shall terminate, pursuant to Rule 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.
2. Unless specified otherwise herein, two copies of all information and reports required by this permit shall be submitted to the Regulation Department at the District Service Office that services this permit. The permit number, title of report or information and event (for recurring report or information submittal) shall be identified on all information and reports submitted.
3. The Permittee shall retain the design engineer, or other professional engineer registered in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the professional engineer so employed. This information shall be submitted prior to construction.
4. Within 30 days after completion of construction of the permitted activity, the Permittee shall submit to the Regulation Department at the District Service Office that services this permit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Statement of Completion and Request for Transfer to Operation Entity form identified in Chapter 40D-1, F.A.C., and signed, dated, and sealed as-built drawings. The as-built drawings shall identify any deviations from the approved construction drawings.
5. The District reserves the right, upon prior notice to the Permittee, to conduct on-site research to assess the pollutant removal efficiency of the surface water management system. The Permittee may be required to cooperate in this regard by allowing on-site access by District representatives, by allowing the installation and operation of testing and monitoring equipment, and by allowing other assistance measures as needed on site.
6. Wetland buffers shall remain in an undisturbed condition except for approved drainage facility construction/maintenance.
7. The following boundaries, as shown on the approved construction drawings, shall be clearly delineated on the site prior to initial clearing or grading activities:
 - wetland and surface water areas
 - wetland buffers
 - limits of approved surface water impactsThe delineation shall endure throughout the construction period and be readily discernible to construction and District personnel.
8. All Wetland and Surface Water boundaries shown on the approved construction drawings shall be binding upon the Permittee and the District.
9. The District, upon prior notice to the Permittee, may conduct on-site inspections to assess the effectiveness of

the erosion control barriers and other measures employed to prevent violations of state water quality standards and avoid downstream impacts. Such barriers or other measures should control discharges, erosion, and sediment transport during construction and thereafter. The District will also determine any potential environmental problems that may develop as a result of leaving or removing the barriers and other measures during construction or after construction of the project has been completed. The Permittee must provide any remedial measures that are needed.

10. This permit is issued based upon the design prepared by the Permittee's consultant. If at any time it is determined by the District that the Conditions for Issuance of Permits in Rules 40D-4.301 and 40D-4.302, F.A.C., have not been met, upon written notice by the District, the Permittee shall obtain a permit modification and perform any construction necessary thereunder to correct any deficiencies in the system design or construction to meet District rule criteria. The Permittee is advised that the correction of deficiencies may require re-construction of the surface water management system.
11. The Permitted Plan Set for this project includes the set received by the District on May 24, 2012.
12. Any future construction within the 75-foot wide vegetated water quality treatment buffer is prohibited unless authorized by formal modification of this ERP No. 44040091.002.
13. If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at 850.245.6333 or 800.847.7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

GENERAL CONDITIONS

1. The general conditions attached hereto as Exhibit "A" are hereby incorporated into this permit by reference and the Permittee shall comply with them.

Michelle K. Hopkins, P.E.

Authorized Signature

EXHIBIT A

GENERAL CONDITIONS:

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. For general permits authorizing incidental site activities, the following limiting general conditions shall also apply:
 - a. If the decision to issue the associated individual permit is not final within 90 days of issuance of the incidental site activities permit, the site must be restored by the permittee within 90 days after notification by the District. Restoration must be completed by re-contouring the disturbed site to previous grades and slopes re-establishing and maintaining suitable vegetation and erosion control to provide stabilized hydraulic conditions. The period for completing restoration may be extended if requested by the permittee and determined by the District to be warranted due to adverse weather conditions or other good cause. In addition, the permittee shall institute stabilization measures for erosion and sediment control as soon as practicable, but in no case more than 7 days after notification by the District.
 - b. The incidental site activities are commenced at the permittee's own risk. The Governing Board will not consider the monetary costs associated with the incidental site activities or any potential restoration costs in making its decision to approve or deny the individual environmental resource permit application. Issuance of this permit shall not in any way be construed as commitment to issue the associated individual environmental resource permit.
4. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and a pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
5. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the District as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
6. District staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the District as a permit prior to the dewatering event as a permit modification. A water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.

7. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
8. Off-site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the District.
9. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.
10. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
 - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
 - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
 - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
11. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property .
12. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a written notification of commencement indicating the actual start date and the expected completion date.
13. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
14. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required Statement of Completion and Request for Transfer to Operation Entity form identified in Chapter 40D-1, F.A.C. Additionally, if deviation from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.
15. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the District, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.
16. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the

District until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the District, if different from the permittee. Until a transfer is approved by the District, the permittee shall be liable for compliance with the terms of the permit.

17. Should any other regulatory agency require changes to the permitted system, the District shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.
18. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.
19. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.
20. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.
22. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40D-4.351, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
23. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with District rules, regulations and conditions of the permits.
24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District and the Florida Department of State, Division of Historical Resources.
25. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

SOUTHWEST FLORIDA
WATER MANAGEMENT DISTRICT

**NOTICE OF
AUTHORIZATION
TO COMMENCE CONSTRUCTION**

Manatee County - The Rookery at Perico Preserve

PROJECT NAME

Government

PROJECT TYPE

MANATEE

COUNTY

S26/T34S/R16E, S27/T34S/R16E

SEC(S)/TWP(S)/RGE(S)

Manatee County Board of County Commissioners

PERMITTEE

APPLICATION ID/PERMIT NO: 664115 / 44040091.002

DATE ISSUED: June 22, 2012



Michelle K. Hopkins, P.E.

Issuing Authority

**THIS NOTICE SHOULD BE CONSPICUOUSLY
DISPLAYED AT THE SITE OF THE WORK**

Notice of Rights

ADMINISTRATIVE HEARING

1. You or any person whose substantial interests are or may be affected by the District's action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.
2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of agency action on a consolidated application for an environmental resource permit and use of sovereignty submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.
3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.
4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.
5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District action is not available prior to the filing of a petition for hearing.
6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28.106, F.A.C. A request or petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C. can be viewed at www.flrules.org or at the District's website at www.WaterMatters.org/permits/rules.
7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Tampa Service Office during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 7601 US Hwy. 301, Tampa, FL 33637-6759. Faxed filings must be transmitted to the District Agency Clerk at (813) 987-6746. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at www.WaterMatters.org/about.

JUDICIAL REVIEW

1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by final District action may seek judicial review of the District's final action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law.
2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9.110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.

Manatee County Board of County Commissioners
Attn: Charlie Hunsicker, Natural Resources Department
415 10th Street West
Bradenton, FL 34205

R. Quince Sellers, P.E.
WilsonMiller Stantec
6900 Professional Parkway East
Sarasota, FL 34240

Ryan Horstman
2205 N 20th Street
Tampa, FL 33605

U. S. Army Corps of Engineers
Tampa Permitting Section
The Atrium - 10117 Princess Palm Avenue; Suite 120
Tampa, FL 33610

**GEOTECHNICAL ENGINEERING
SERVICES FINAL REPORT**

For the

**PERICO PRESERVE EVALUATION
BRADENTON, FLORIDA**

Prepared for

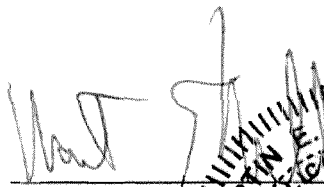
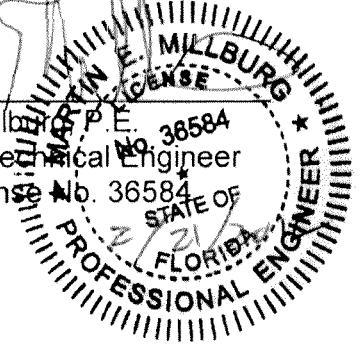
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Prepared by

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Fax (813) 888-6514**

PSI Project No. 0775-1312

February 17, 2012


Martin E. Millburg, P.E.
Senior Geotechnical Engineer
Florida License No. 36584


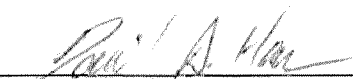

David S. Harris, P.E.
Project Engineer
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1.0 PROJECT INFORMATION

1.1 PROJECT AUTHORIZATION

PSI has completed a geotechnical study for the proposed Perico Preserve in Bradenton, Florida. Authorization to proceed with this project was provided by Elizabeth Anders in the form of written agreement to PSI's proposal. This study was conducted in accordance with our proposal for these services dated January 22 2012, PSI Proposal No. 0775-60971.

1.2 PROJECT DESCRIPTION

Perico Preserve covers about 30 acres, and is located on the east - central portion of Perico Island, north of State Road 64, in Manatee County, Florida. This area was previously cleared and farmed. Manatee County purchased the land with the aim to restore it for wildlife habitat. The planned restoration will include excavation of channels and ponds. Restoration plans have not been finalized, but based on our January 17, 2012 meeting, we understand that most of the excavations will be a maximum of 6 feet deep. We anticipate about half of the area may be excavated.

Material excavated is planned to be utilized for the berm construction and raising the bottom elevation of the south pond at the Manatee County Waste Water Treatment Plant about 5 miles southeast of Perico Island. PSI issued a Geotechnical Engineering Services Report for this plant on March 31, 2011 (PSI Project No. 775-871). About two-thirds of the material is required to raise the pond bottom and the rest is to be used for berm construction. In order to assist with the preparation of project plans and specifications, and construction contracts required to be let to accomplish this work, it is important to determine the nature of the soils to be excavated at this site.

If any of this project description information is incorrect or has changed, please inform PSI so that we may amend, if appropriate, the recommendations represented in this report.

1.3 PURPOSE AND SCOPE OF WORK

The purpose of this study was to obtain information on the general subsurface conditions at the proposed project site. For this preliminary assessment of borrow material, PSI performed a soil review for each 20,000 square feet, or at a frequency of about 2 borings per acre. The subsurface materials encountered were then evaluated with respect to the available project characteristics. In this regard, engineering assessments of the following items have been formulated:

1. A discussion of subsurface conditions encountered including pertinent soil properties, water levels, and estimated seasonal high water levels.



2. Limited laboratory testing to assist in classification of the recovered samples and determination of selected soil properties. (Lab results are pending.)

The following services have been provided in order to achieve the preceding objectives:

1. Reviewed readily available published topographic and soils information. This published information was obtained from the "Anna Maria, Florida," and "Bradenton Beach, Florida," Quadrangle Maps published by the United States Geological Survey (USGS) and the "Soil Survey of Bradenton County, Florida," published by the United States Department of Agriculture (USDA) Soil Conservation Service (SCS).
2. Executed a program of subsurface exploration consisting of soil sampling and field testing. The number, depth and location of the borings was determined by PSI. We performed a total of thirty (30) sample locations. To allow for larger soil samples to be examined, 20 of these locations were test pits, and 10 soil borings were performed with a soil drilling rig. Samples were obtained at regular intervals to allow classification of the soils.
3. Classified representative soil samples visually and through selected laboratory testing using the Unified Soil Classification System (USCS). Identified soil conditions at each sample location and formed an opinion of the site soil stratigraphy.
4. Collected groundwater level measurements and estimated seasonal high groundwater levels at the test pit locations.
5. The results of the exploration have been used in the engineering analysis and the formulation of recommendations. The results of the subsurface exploration, including the recommendations and the data on which they are based, are presented in this written report supervised by a professional engineer.

Any statements in this report or on the boring logs regarding odors, colors, unusual or suspicious items or conditions are strictly for the information of our client.

2.0 SITE AND SUBSURFACE CONDITIONS

2.1 SITE LOCATION AND DESCRIPTION

The site overlaps to mapped areas. The area is located in Sections 26 & 27, Township 34 South, and Range 16 East of the "Anna Maria, Florida," map and in Section 27, Township



34 South, and Range 16 East on the "Bradenton Beach, Florida," map. More specifically, the site is located on the east - central portion of Perico Island, north of State Road 64, in Manatee County, Florida, approximately 1 mile east of the bridge to Holmes Beach. Based on the "Anna Maria, Florida," and "Bradenton Beach, Florida," United States Geological Survey (USGS) topographic maps (see **APPENDIX SHEET 1**), the ground surface elevation at the property is approximately +1 to +4 feet National Geodetic Vertical Datum (NGVD) 1929.

2.2 SUBSURFACE CONDITIONS

The subsurface conditions were explored using a total of twenty (20) test pits ranging in depth from 6 to 7 feet and ten (10) power augers to a depth of ten (10) feet. Sample depths and locations were selected by PSI, Inc., and located in the field by PSI using GPS technology and existing site features. The approximate test locations are presented on **APPENDIX SHEET 2**. Test locations were cleared and pits dug using a backhoe; auger borings were performed with a drilling rig. Soil samples were routinely obtained during the digging process.

Visual and laboratory classification was performed in general accordance with the Unified Soil Classification System (USCS).

The description presented below is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The soil profiles included on **APPENDIX SHEETS 3** and **4** should be reviewed for specific information at individual test locations. These profiles include soil description, stratifications and laboratory classification of soils. The stratifications shown on the soil profiles represent the conditions only at the actual pit or boring locations. The stratifications represent the approximate boundary between subsurface materials; the actual transition may be gradual.

2.3 DISCUSSION OF SOIL CONDITIONS

Generally, the soils encountered at the test locations consisted of fine sand to slightly silty fine sand (SP/SP-SM) (Unified Classification SP), slightly silty fine sand, (SP-SM), silty fine sand (SM), and muck (Pt). See **APPENDIX SHEETS 3** and **4** for specific soil strata information.

2.4 MANATEE COUNTY SOIL SURVEY

The "Soil Survey of Manatee County, Florida" published by the USDA SCS was reviewed for general near surface soil information. This information indicates there are three (3) primary mapping units, *EauGallie fine sand (20)* and *Pomello Fine Sand, 0 to 2 percent slopes (42)*, at the project location.



EauGallie soils are composed of sandy and loamy marine deposits found in flatwoods on marine terraces. This soil type is poorly drained with a low available water capacity and moderately low to high permeability. The seasonal high water table is normally at a depth of 6 to 18 inches.

Pomello soils are composed of sandy marine deposits found on marine terraces. This soil type is moderately well drained with a low available water capacity and high permeability. The seasonal high water table is normally at a depth of 24 to 42 inches.

It should be noted that information contained in the USDA Soil Survey is of a very general nature and therefore may not be reflective of actual soil and groundwater conditions, particularly if recent development in the project vicinity has modified soil conditions or surface/subsurface drainage.

2.5 GROUNDWATER INFORMATION

Groundwater levels were recorded during borings and test pit excavation and corroborated through a visual examination of the obtained soil samples. Generally, groundwater was found at depths ranging from 6 inches to 4 feet below the ground surface. It should be noted that groundwater levels tend to fluctuate during periods of prolonged drought and extended rainfall and may be affected by man-made influences. A seasonal effect will occur in which higher groundwater levels are normally recorded in rainy seasons.

Tidal influences also may affect the water table in this location. Fluctuations higher than the levels recorded in this exploration should be anticipated. Taking the various influences into consideration, as well as the USDA SCS data, the seasonal high depth to groundwater at this site is estimated to be at-grade to 3 feet below the existing ground surface. We recommend groundwater levels be evaluated at the time of construction to determine ecological constraints on design.

3.0 EVALUATION AND RECOMMENDATIONS

In the Geotechnical Engineering Services Report issued March 31, 2011 (PSI Project No. 775-871), we recommended that any engineered fill required for the project consist of clean sand that is free of significant organic matter and other deleterious substances. It should have a fines content that does not exceed 12 percent (i.e. less than 12 percent by dry weight passing the U.S. Standard Number 200 sieve).

Engineered fill should be placed at a moisture content near optimum and in uniform lifts not exceeding 12 inches in loose thickness. It should be thoroughly compacted to at least 95 percent of its ASTM D-1557 maximum dry density.

Based on subsurface conditions encountered at the test pit locations, the existing sandy soils (SP/SP-SM, SP-SM) found in the upper 4 to 5 feet of these borings and test pits are



generally acceptable for use in berm construction. Generally, the silty soils and muck found in some of the test locations should be evaluated before use as construction materials, especially in the areas near test pits TP-11 and TP-16, where muck was found at four feet below ground surface. A review of historical aerials dating to 1994 indicates limited earthwork activity has occurred in the area, as the land had previously been cleared for farming.

The recommendations presented herein have been developed on the basis of the previously described project characteristics and subsurface conditions encountered. If there are any changes in these project criteria, including project location on the site, a review must be made by PSI to determine if any modifications in the recommendations will be required. The findings of such a review should be presented in a supplemental report.

4.0 OTHER CONSIDERATIONS

4.1 CONSTRUCTION CONSIDERATIONS

As stated previously in this report, seasonal high groundwater depths of about at-grade to 3 feet below the existing ground surface are anticipated for this site during rainy periods and/or under certain tidal conditions. We anticipate seasonal high water levels may be as high as two (2) feet above sea level during rainy periods.

It is recommended that PSI be retained to provide observation and testing of construction activities involved in any earthwork and related activities of this project. PSI cannot accept any responsibility for any conditions which deviate from those described in this report, if not engaged to also provide construction observation and testing for this project.

4.2 EXCAVATION AND EMBANKMENT SLOPE CONSIDERATIONS

In Federal Register, Volume 54, No.209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, Part 1926, Subpart P". This document was issued to better insure the safety of workmen entering trenches or excavations. It is mandated by this federal regulation that excavations, whether they be utility trenches, basement excavations or footing excavations, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced and, if not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person", as defined in 29 CFR, Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in all local, state, and federal safety regulations.



We are providing this information solely as a service to our client. PSI does not assume responsibility for construction site safety or the contractor's or other parties' compliance with local, state, and federal safety or other regulations.

5.0 REPORT LIMITATIONS

The Geotechnical Engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

The scope of services did not include an environmental assessment for determining the presence or absence of wetlands or hazardous or toxic materials in the soil, bedrock, ground water, or air, on or below or around this site. Any statements in this report or on the boring logs regarding odors, unusual or suspicious items or conditions are strictly for the information of our client.

Florida is underlain by a soluble limestone formation, which can dissolve and result in surface subsidence and the formation of sinkholes. A more comprehensive assessment of the warehouse site for the potential for sinkhole development typically includes Ground Penetrating Radar (GPR) studies and the extension of deeper soil borings into the underlying limestone formation. Such an assessment is beyond the scope of this proposed study, but can be performed at significant additional cost, if desired.

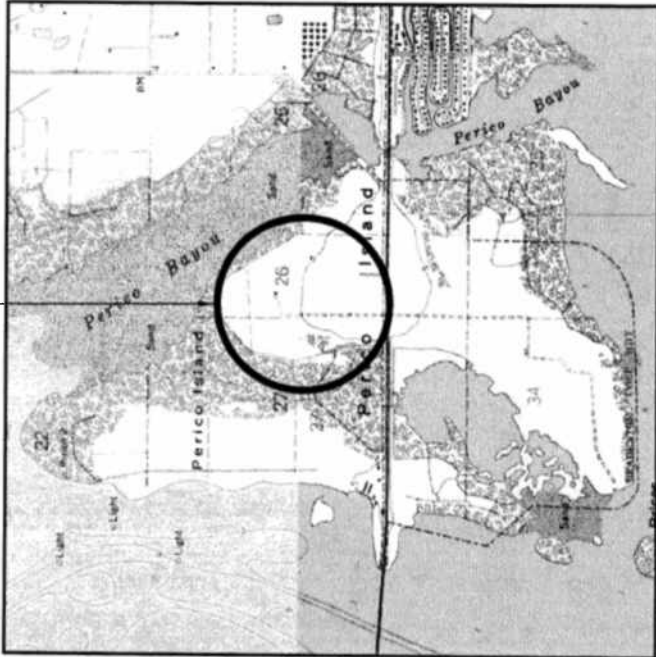
After the plans and specifications are more complete, the Geotechnical Engineer should be retained and provided the opportunity to review the final design plans and specifications to check that our engineering recommendations have been properly incorporated into the design documents. At that time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of Stantec, Inc., for the specific application to the Proposed Perico Preserve restoration in Bradenton, Florida.



APPENDIX



APPROXIMATE SITE LOCATION



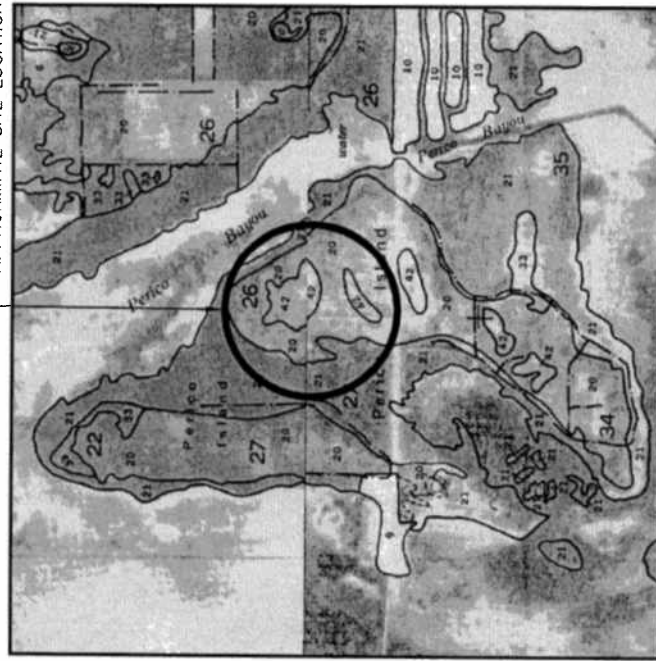
REFERENCE: USGS "ANNA MARIA, FLORIDA" QUADRANGLE MAP
 MAP VERSION: 1979
 TOWNSHIP: 34 SOUTH
 RANGE: 16 EAST
 PHOTO REVISIONS: —
 SCALE: 1" = 2000'
 SECTIONS: 26 & 27

REFERENCE: USGS "BRADENTON BEACH, FLORIDA" QUADRANGLE MAP
 MAP VERSION: 1984
 TOWNSHIP: 34 SOUTH
 RANGE: 16 EAST
 PHOTO REVISIONS: —
 SCALE: 1" = 2000'
 SECTION: 27

USGS VICINITY MAP



APPROXIMATE SITE LOCATION



REFERENCE: USDA SCS, "SOIL SURVEY OF MANATEE COUNTY, FLORIDA"
 TOWNSHIP: 34 SOUTH
 RANGE: 16 EAST
 PHOTO: 1979
 SCALE: 1" = 2000'
 SECTIONS: 26 & 27

USDA VICINITY MAP



| | |
|----------|-------|
| FRANK | DJG |
| DRAWN | DH |
| APPROVED | MEM |
| SCALE | NOTED |

USGS & USDA VICINITY MAPS
PERICO PRESERVE EVALUATION
 BRADENTON, FLORIDA



DATE: FEB 12
 PROJ. NO.: 07751312
 SHEET 1



LEGEND

- Approximate Power Auger boring location
- Approximate Test Pit location

BORING LOCATION PLAN



| | |
|----------|-------|
| DESIGN | DJG |
| CHECKED | DH |
| APPROVED | MEM |
| SCALE | NOTED |

GEOTECHNICAL SERVICES
PERICO PRESERVE EVALUATION
 BRADENTON, FLORIDA



DATE: FEB 12 PROJ. NO.: 07751312 SHEET 2

LEGEND

- ① White, light brown or gray fine SAND to slightly silty fine SAND (SP/SP-SM)
- ② Dark brown slightly silty fine SAND (SP-SM)
- ③ Dark brown or dark gray silty SAND (SM)
- ④ MUCK (PT)

SP Unified Soil Classification System (ASTM D 2487) group symbol as determined by visual review

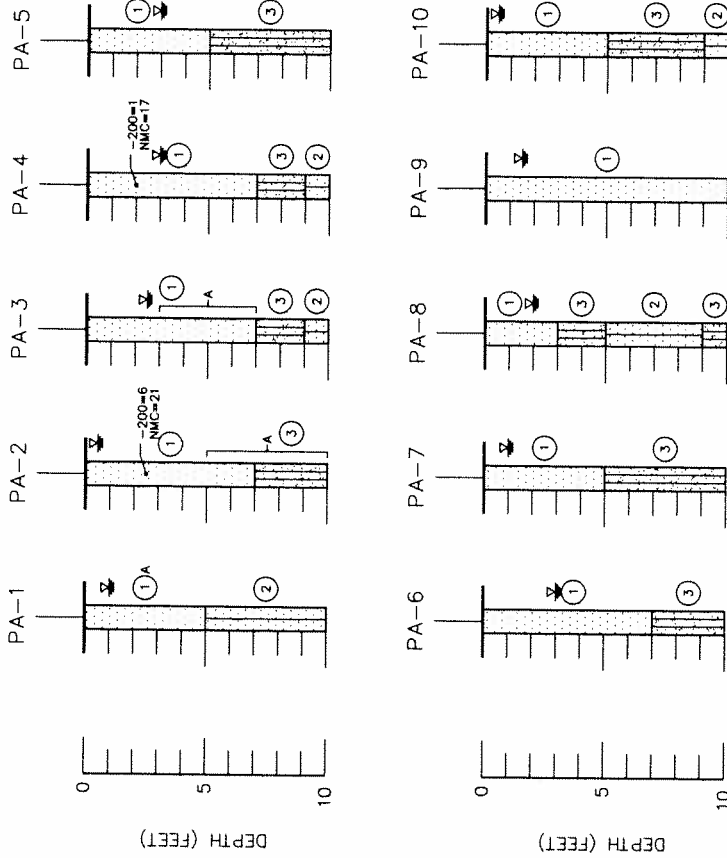
↕ Groundwater level, February 2012

-200 Fines passing No. 200 sieve (%)

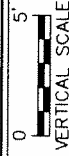
NMC Natural Moisture Content (%)

OC Organic Content (%)

A With roots



SOIL PROFILES

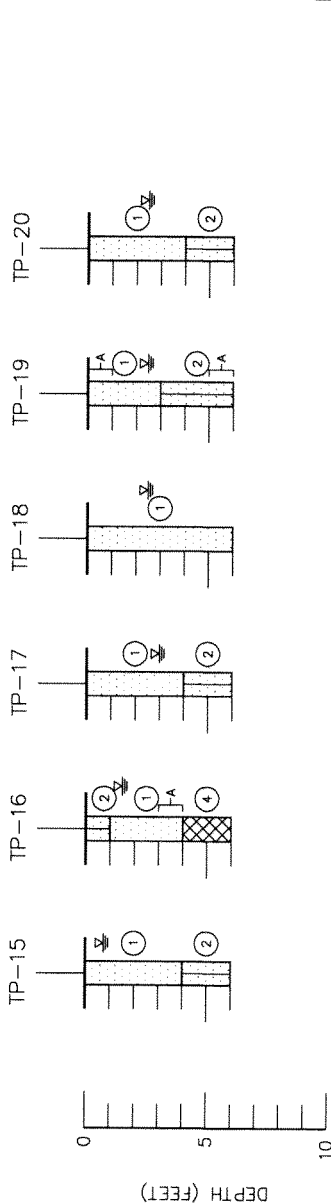
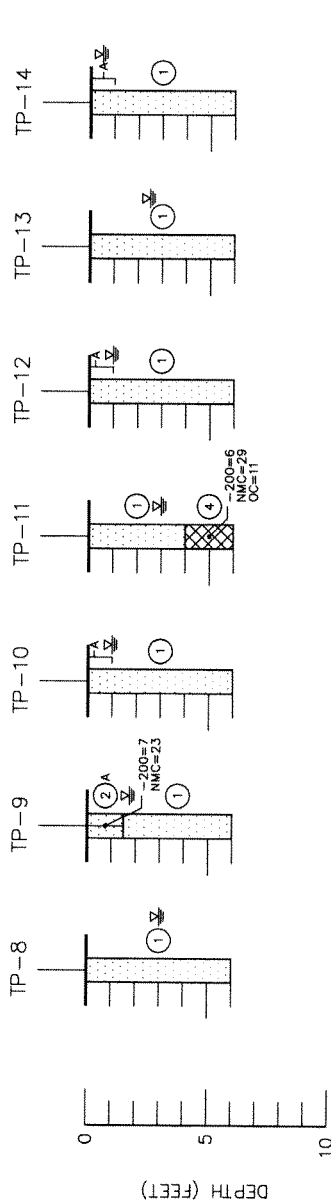
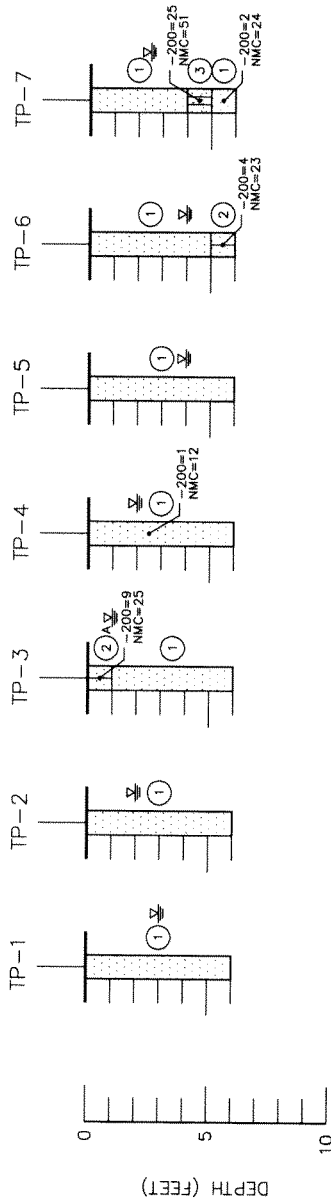


| | |
|----------|-------|
| DRAWN | DJG |
| CHECKED | DH |
| APPROVED | MEM |
| SCALE | NOTED |

GEOTECHNICAL SERVICES
PERICO PRESERVE EVALUATION
 BRADENTON, FLORIDA



DATE FEB 12 PROJECT NO. 07751312 SHEET 3



LEGEND

- ① White, light brown or gray fine SAND to slightly silty fine SAND (SP/SP-SM)
- ② Dark brown slightly silty fine SAND (SP-SM)
- ③ Dark brown or dark gray silty SAND (SM)
- ④ MUCK (PT)

SP Unified Soil Classification System (ASTM D 2487)
 group symbol as determined by visual review

▽ Groundwater level, February 2012

-200 Fines passing No. 200 sieve (%)

NMC Natural Moisture Content (%)

OC Organic Content (%)

A With roots

| | |
|----------|-------|
| DRAWN | DJG |
| CHECKED | DH |
| APPROVED | MEM |
| SCALE | NOTED |

PERICO PRESERVE EVALUATION
 BRADENTON, FLORIDA

Information
To Build On
 Engineering • Consulting • Testing

DATE FEB 12 PROJ. NO. 07751312 SHEET 4

SOIL PROFILES



VERTICAL SCALE



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

June 13, 2012

REPLY TO
ATTENTION OF

Regulatory Division
Tampa Section
SAJ-2011-02468(NW-MEP)

Manatee County Board of County Commissioners
415 10th Street West
Bradenton, FL 34205

Ladies and Gentlemen:

Your application for a Department of the Army permit received on May, 25, 2012, has been assigned number SAJ-2011-02468(NW-MEP). A review of the information and drawings provided shows the proposed work is to create a 16.26 acre freshwater pond with a rookery island in the center, requiring 5,450 cy of excavation from 0.56 acres of Corps jurisdictional ditches. This is the second phase of the Perico Preserve restoration project for the restoration and creation native wetland habitats on a 149.2-acre property owned by Manatee County. The first phase, previously verified under NWP-27 on September 23, 2011, consists of 13.82 acres of spoil mound exotic vegetation maintenance within the existing mangrove swamp, 1.40 acres of salt marsh wetland enhancement, 2.84 acres of salt marsh wetland creation, and 4.46 acres of freshwater marsh wetland creation. Restoration activities include impacts to Waters of the United States (agricultural ditches) totaling 0.55 acres by dredging and 0.55 acres by filling. The project is located on Perico Island in west Bradenton, on the north side of Manatee Avenue (SR 64) within Sections 22, 26, and 27, Township 34 South, Range 16 East, in Manatee County, Florida.

Both phases of the project, as depicted on the 35 attached drawings, are authorized by Nationwide Permit (NWP) Number 27. In addition, project specific conditions have been enclosed. This verification is valid until June 13, 2014. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory webpage to access web 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 website address is as follows:

<http://www.saj.usace.army.mil/Divisions/Regulatory/sourcebook.htm>.

Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to 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, 10117 Princess Palm Avenue, Suite 120, Tampa, Florida 33610.

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 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.

4. 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.

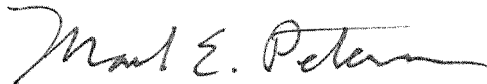
5. The Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated February 12, 2004 and provided an attachment to this permit."

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 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 take a few minutes to visit <http://per2.nwp.usace.army.mil/survey.html> and complete our automated Customer Service Survey. Your input is appreciated – favorable or otherwise. Again, please be aware this web address is case sensitive and should be entered as it appears above.

Sincerely,



Mark E. Peterson
Project Manager

Enclosures

Copy Furnished (email):

Stantec Consulting Services, Inc., 6900 Professional Parkway East, Suite 100, Sarasota, FL 34240-8414

bcc:
CESAJ-RD-PE

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 **June 13, 2014**. 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-2011-02468 (NW-MEP)

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

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

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-2011-02468 (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)

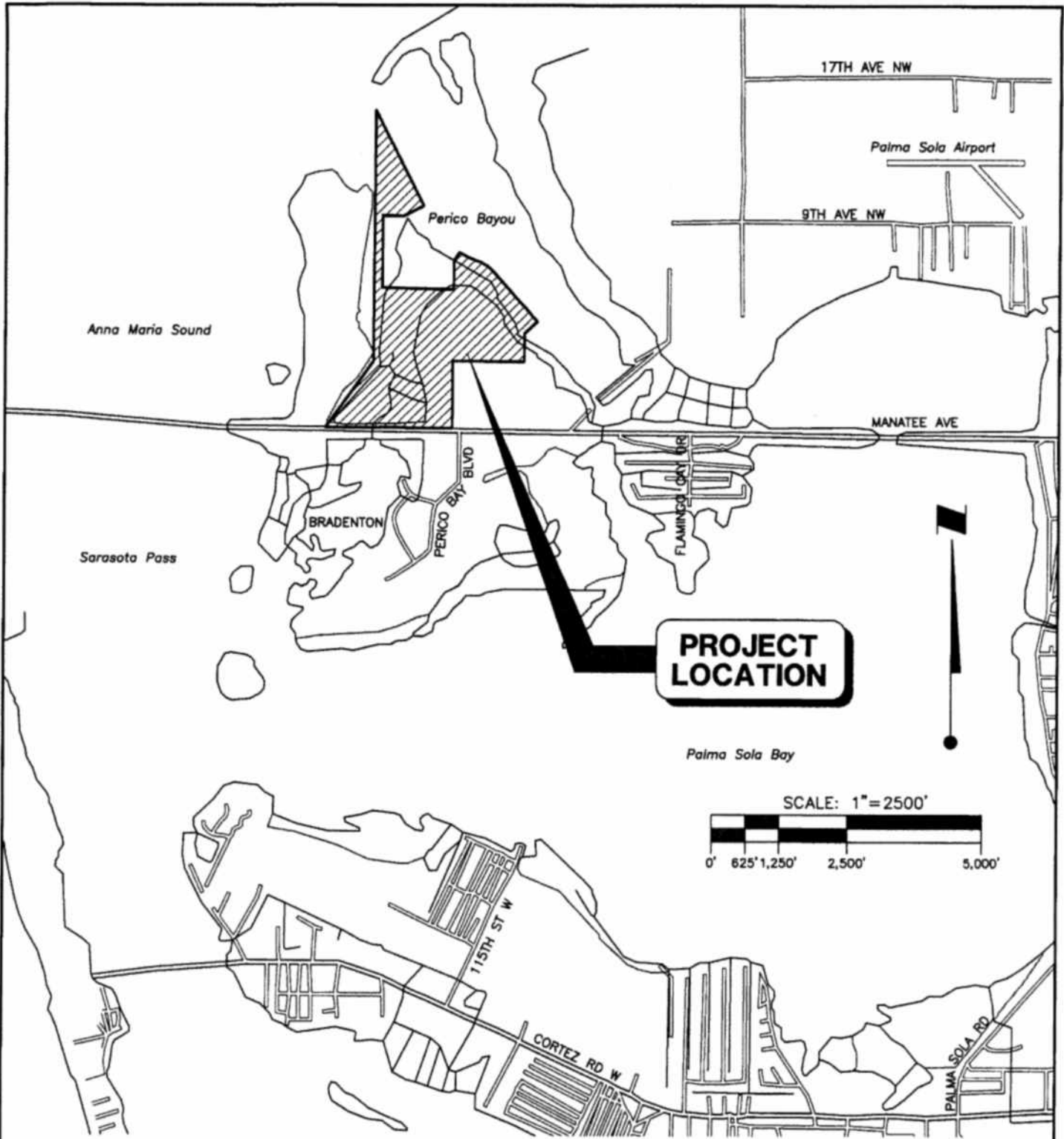
(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

1. An eastern indigo snake protection/education plan shall be developed by the applicant or requestor for all construction personnel to follow. The plan shall be provided to the Service for review and approval at least 30 days prior to any clearing activities. The educational materials for the plan may consist of a combination of posters, videos, pamphlets, and lectures (*e.g.*, an observer trained to identify eastern indigo snakes could use the protection/education plan to instruct construction personnel before any clearing activities occur). Informational signs should be posted throughout the construction site and along any proposed access road to contain the following information:
 - a. a description of the eastern indigo snake, its habits, and protection under Federal Law;
 - b. instructions not to injure, harm, harass or kill this species;
 - c. directions to cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site on its own before resuming clearing; and,
 - d. telephone numbers of pertinent agencies to be contacted if a dead eastern indigo snake is encountered. The dead specimen should be thoroughly soaked in water and then frozen.
2. If not currently authorized through an Incidental Take Statement in association with a Biological Opinion, only individuals who have been either authorized by a section 10(a)(1)(A) permit issued by the Service, or by the State of Florida through the Florida Fish Wildlife Conservation Commission (FWC) for such activities, are permitted to come in contact with an eastern indigo snake.
3. An eastern indigo snake monitoring report must be submitted to the appropriate Florida Field Office within 60 days of the conclusion of clearing phases. The report should be submitted whether or not eastern indigo snakes are observed. The report should contain the following information:
 - a. any sightings of eastern indigo snakes and
 - b. other obligations required by the Florida Fish and Wildlife Conservation Commission, as stipulated in the permit.

Revised February 12, 2004



LOCATION MAP

PROJECT: PERICO PRESERVE RESTORATION
 CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*



WilsonMiller

Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants

WilsonMiller, Inc.

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 WilsonMiller, Inc. - Certificate of Authorization #0

R. QUINCE SELLERS, P.E. *7/18/11*
 FLORIDA LICENSE NO. 49374

| | |
|---------------------------------------|---------------------------|
| SCALE: 1" = 2,500' | DATE: JULY 2011 |
| SEC: 22, 23, 26, 27 TWP: 34S RGF: 16E | REV NO: |
| PROJECT NO: 215500132 320 | INDEX NO: A-215500132-101 |
| DRAWN BY/EWP NO: ATO/89520 | SHEET NO: 1 OF 21 |

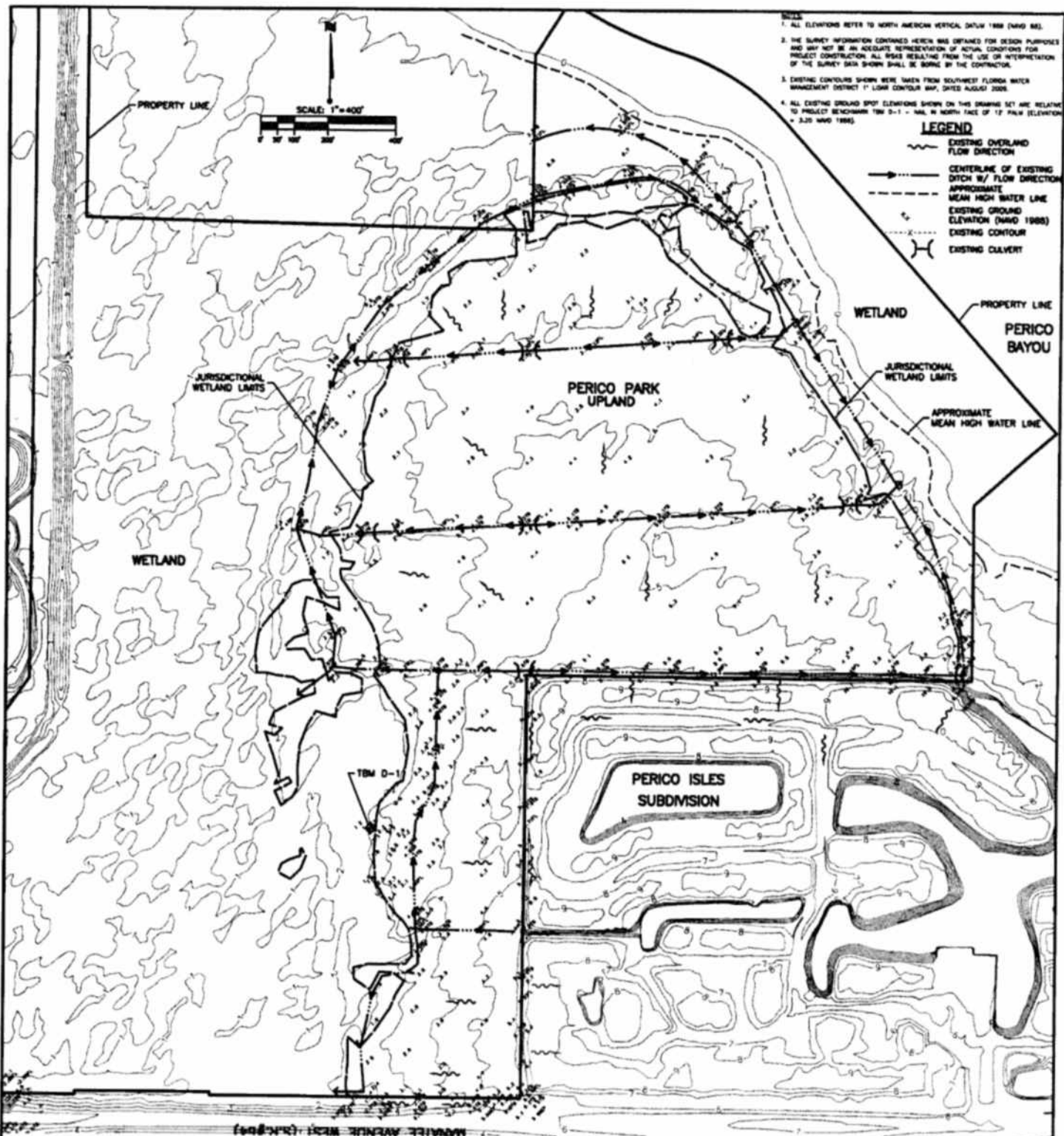
INDEX TO SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | COVER SHEET |
| 2 | INDEX TO SHEETS |
| 3 | EXISTING CONDITIONS/DRAINAGE PATTERNS MAP |
| 4 | LEGEND |
| 5 | AERIAL LOCATION MAP |
| 6 | MASTER SITE PLAN AND KEY SHEET |
| 7-13 | GRADING PLAN |
| 14-16 | GRADING CROSS-SECTIONS |
| 17-18 | CONSTRUCTION DETAILS |
| 19 | BEST MANAGEMENT PRACTICES PLAN |
| 20 | BEST MANAGEMENT PRACTICES DETAILS |
| 21 | USACE WATERS OF THE U.S. IMPACTS |
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PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*

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|--|---|---|-----------------|-----|-------|-----------|------|----------|------|-----|--|--|------|-----|--------------|---------------|------------|-----------------|-------------------|-----------|------------|---------|
|  | <h2 style="margin: 0;">Wilson Miller</h2> <small>Wilson Miller, Inc. - P.L.L.C. 00000 Wilson Miller, Inc. - Certificate of Authorization 140</small> <p style="font-size: small; margin: 0;">Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants</p> <p style="font-weight: bold; margin: 0;">Wilson Miller, Inc.</p> <p style="font-size: x-small; margin: 0;">1777 Tamiami Trail, Suite 206 • Port Charlotte, Florida 33648 • Phone 941-255-0655 • Fax 941-255-1755 • Web-Site www.wilsonmiller.com</p> | <p style="font-size: small; margin: 0;">R. QUINCE SELLERS, P.E. <i>7/18/11</i> FLORIDA LICENSE NO. 49374</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td>SCALE:</td> <td style="text-align: center;">N/A</td> <td>DATE:</td> <td style="text-align: center;">JULY 2011</td> </tr> <tr> <td>SEC:</td> <td style="text-align: center;">22,26,27</td> <td>YWP:</td> <td style="text-align: center;">34S</td> </tr> <tr> <td></td> <td></td> <td>RSC:</td> <td style="text-align: center;">16E</td> </tr> <tr> <td>PROJECT NO.:</td> <td style="text-align: center;">215500132 320</td> <td>INDEX NO.:</td> <td style="text-align: center;">A-215500132-102</td> </tr> <tr> <td>DRWN BY/EMP. NO.:</td> <td style="text-align: center;">ATO/89520</td> <td>SHEET NO.:</td> <td style="text-align: center;">2 of 21</td> </tr> </table> | SCALE: | N/A | DATE: | JULY 2011 | SEC: | 22,26,27 | YWP: | 34S | | | RSC: | 16E | PROJECT NO.: | 215500132 320 | INDEX NO.: | A-215500132-102 | DRWN BY/EMP. NO.: | ATO/89520 | SHEET NO.: | 2 of 21 |
| SCALE: | N/A | DATE: | JULY 2011 | | | | | | | | | | | | | | | | | | | |
| SEC: | 22,26,27 | YWP: | 34S | | | | | | | | | | | | | | | | | | | |
| | | RSC: | 16E | | | | | | | | | | | | | | | | | | | |
| PROJECT NO.: | 215500132 320 | INDEX NO.: | A-215500132-102 | | | | | | | | | | | | | | | | | | | |
| DRWN BY/EMP. NO.: | ATO/89520 | SHEET NO.: | 2 of 21 | | | | | | | | | | | | | | | | | | | |



- NOTES:
1. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
 2. THE SURVEY INFORMATION CONTAINED HEREIN WAS OBTAINED FOR DESIGN PURPOSES AND MAY NOT BE AN ADEQUATE REPRESENTATION OF ACTUAL CONDITIONS FOR PROJECT CONSTRUCTION. ALL RISKS RESULTING FROM THE USE OR INTERPRETATION OF THE SURVEY DATA SHOWN SHALL BE BORNE BY THE CONTRACTOR.
 3. EXISTING CONTOURS SHOWN WERE TAKEN FROM SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 1' LIGAR CONTOUR MAP, DATED AUGUST 2008.
 4. ALL EXISTING GROUND SPOT ELEVATIONS SHOWN ON THIS DRAWING SET ARE RELATIVE TO PROJECT BENCHMARK TBM D-1 - 541.11 NORTH FACE OF 12" PALM (ELEVATION = 3.20 NAVD 1988).

- LEGEND**
- EXISTING OVERLAND FLOW DIRECTION
 - CENTERLINE OF EXISTING DITCH W/ FLOW DIRECTION
 - - - - - APPROXIMATE MEAN HIGH WATER LINE
 - ... EXISTING GROUND ELEVATION (NAVD 1988)
 - - - - - EXISTING CONTOUR
 - EXISTING DRAINAGE

EXISTING CONDITIONS/DRAINAGE PATTERNS MAP

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*



Wilson Miller
Wilson Miller, Inc. - FL Lic. LD-000099
 Wilson Miller, Inc. - Certificate of Authorization #43


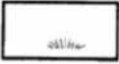




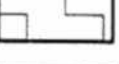
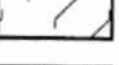
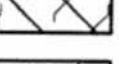
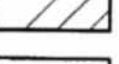
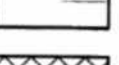




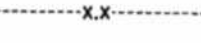
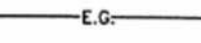

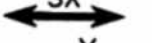

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| FLORIDA LICENSE NO. 49374 | |
| SCALE: 1" = 400' | DATE: JULY 2011 |
| SEC: 22, 26, 27 | TWP: 34S |
| PROJECT NO. 215500132 | RGE: 16E |
| INDEX NO. A-215500132-103 | REV NO.: |
| DRWN BY/EMP NO. ATO/89520 | SHEET NO. 3 OF 21 |

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LEGEND

| | | |
|------------|---|--|
| 13.82± AC |  | SPOIL MAINTENANCE, (S-Mt) (WITHIN EXISTING WETLAND) |
| 109.73± AC |  | EXISTING SALT MARSH WETLAND (INCLUDES PORTIONS OF PERICO BAYOU) |
| 1.40± AC |  | WETLAND ENHANCEMENT - SALT MARSH (WEn-SM) |
| 2.84± AC |  | WETLAND CREATION - SALT MARSH (WCr-SM) |
| 4.46± AC |  | WETLAND CREATION - FRESH WATER MARSH (WCr-FW) |
| 3.59± AC |  | UPLAND RESTORATION - SCRUB (URs-S) |
| 11.77± AC |  | UPLAND RESTORATION - FLATWOODS (URs-FW) |
| 7.70± AC |  | UPLAND RESTORATION - HAMMOCK (URs-H) |
| 2.64± AC |  | UPLAND ENHANCEMENT - HAMMOCK (UEn-H) |
| 5.07± AC |  | STAGING AREA |
| |  | (AREA NOT INCLUDED) |
| |  | EXISTING DITCH TO BE FILLED (WATERS OF THE U.S.) |
| |  | CENTERLINE OF DITCH W/ FLOW DIRECTION |
| |  | DIRECTION OF SURFACE FLOW |
| |  | EXISTING GROUND ELEVATION (NAVD 1988) |
| |  | PROPOSED GROUND CONTOUR W/ ELEVATION |
| |  | GRADE BREAK AT EXISTING GROUND |
| |  | PROPOSED GROUND ELEVATION |
| |  | SPOIL REMOVAL SITE WITH ID |
| |  | CROSS-SECTION (SEE SHEET 14-16) |

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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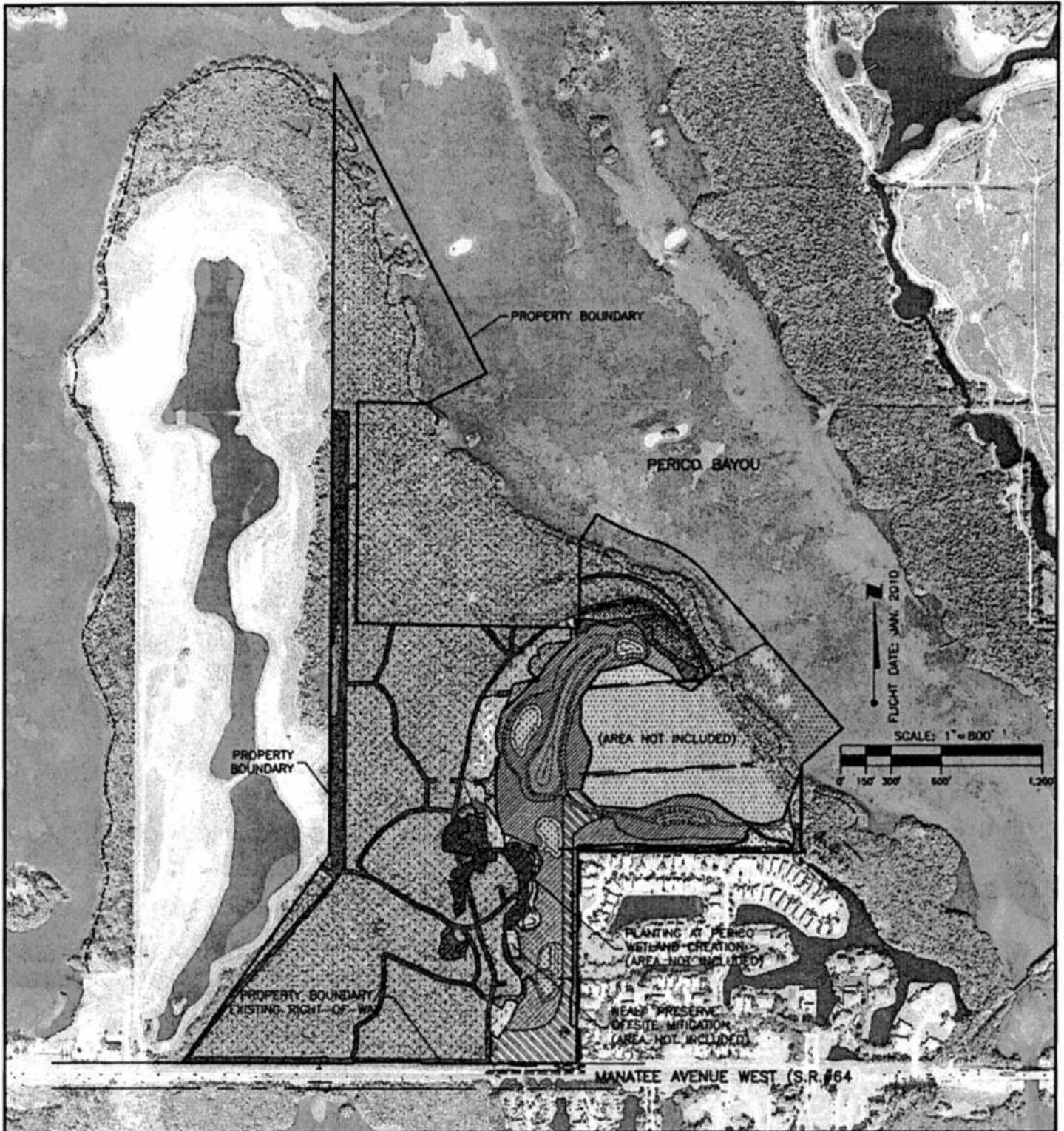
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|---------------------------|---------------------------|
| SCALE: N/A | DATE: JULY 2011 |
| SEC: 22,26,27 | TWP: 34S RDE: 16E |
| PROJECT NO: 215500132 320 | INDEX NO: A-215500132-104 |
| DRWN BY/EMP NO: ATO/89520 | SHEET NO: 4 of 21 |



AERIAL LOCATION MAP

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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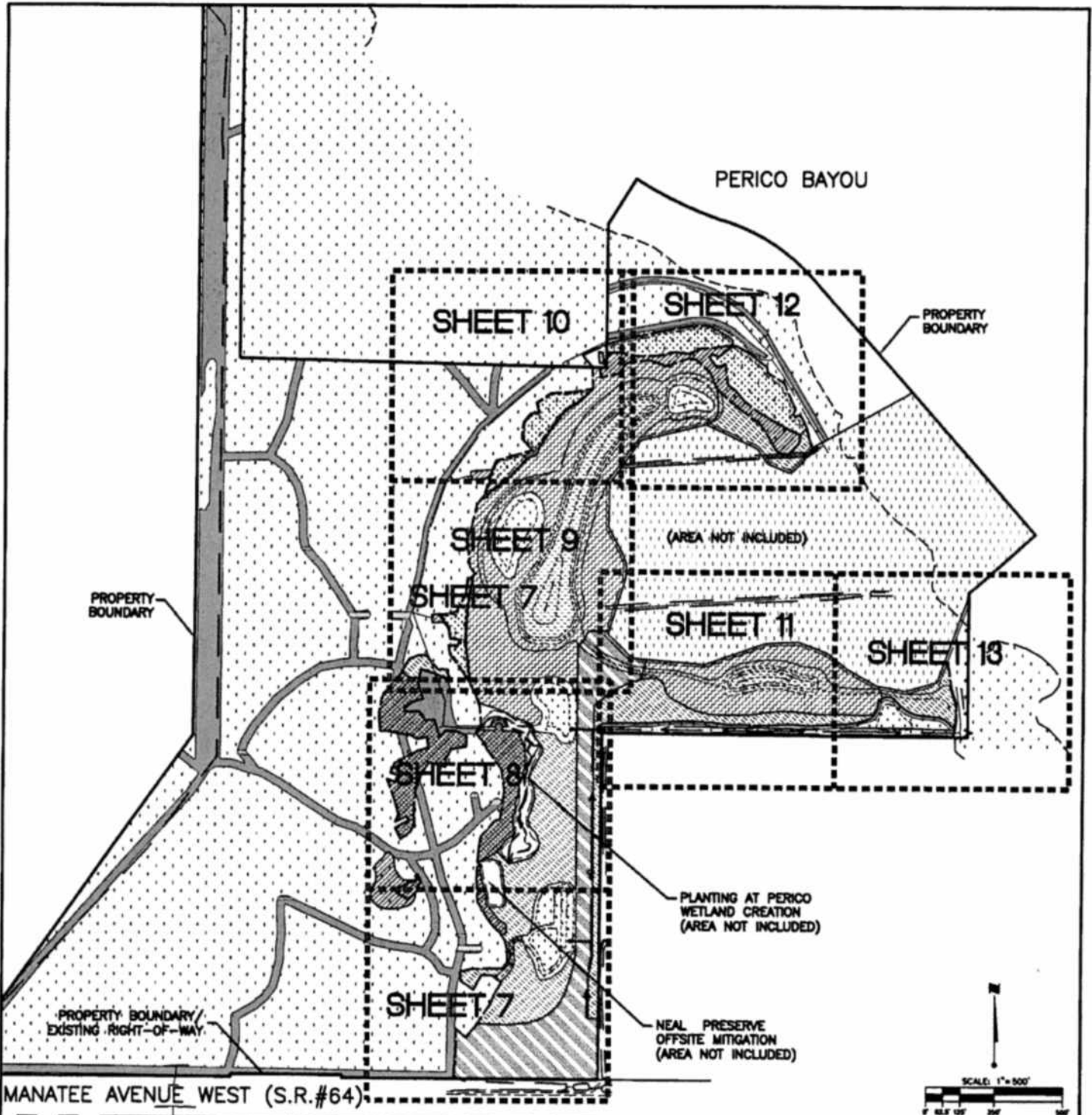
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|-----------------|-----------------|-------|-----------|
| SCALE: | 1" = 800' | DATE: | JULY 2011 |
| SEC: | TWP: | RGE: | REV NO: |
| 22, 26, 27 | 34S | 16E | |
| PROJECT NO: | INDEX NO: | | |
| 215500132 320 | A-215500132-105 | | |
| DRWN BY/EMP NO: | SHEET NO: | | |
| ATO/89520 | 5 of 21 | | |



MASTER SITE PLAN AND KEY SHEET

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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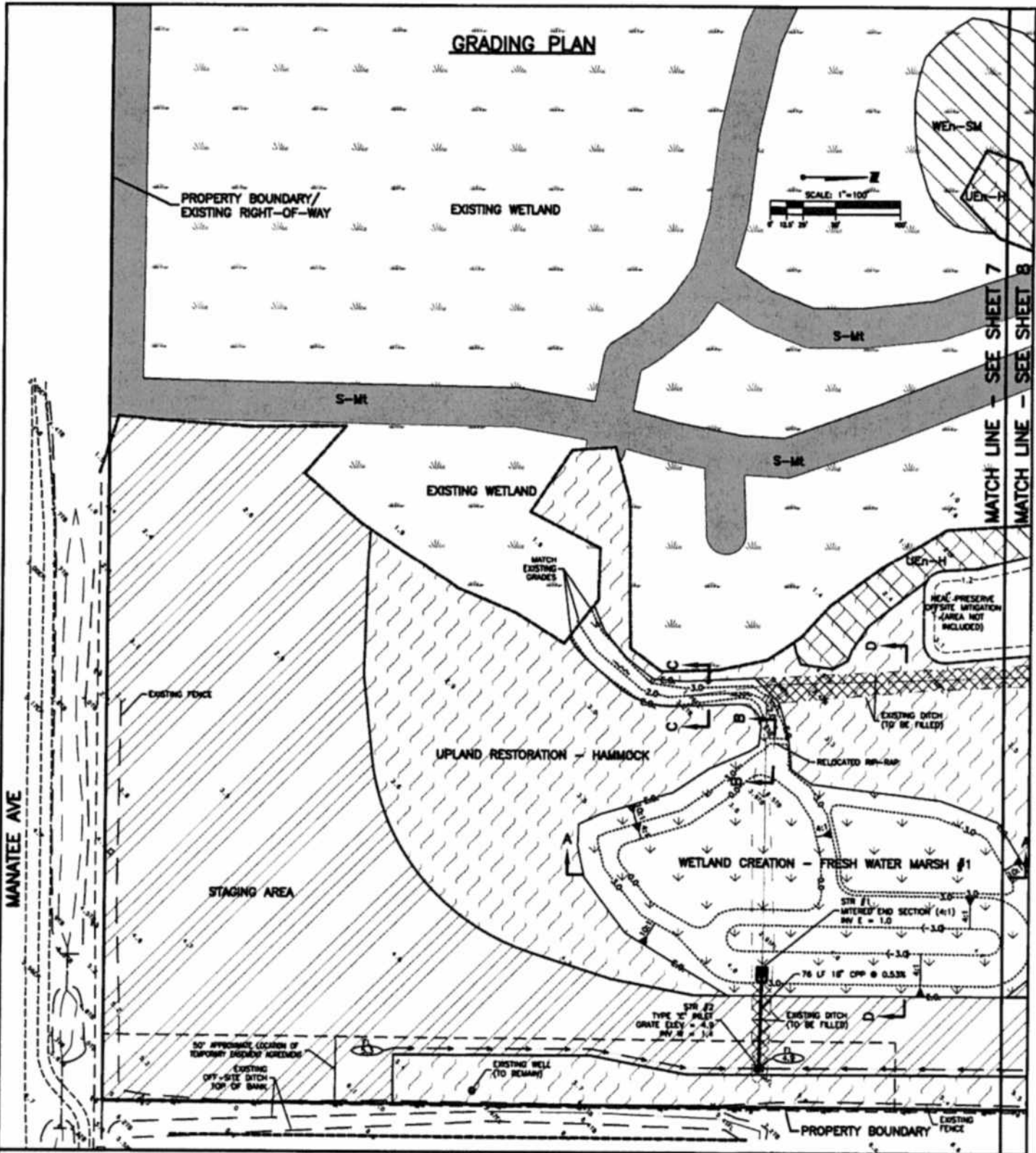
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|-----------------|-----------------|-------|-----------|
| SCALE: | 1" = 500' | DATE: | JULY 2011 |
| SEC: | TRP: | RGE: | REV NO: |
| 22,26,27 | 34S | 16E | |
| PROJECT NO: | INDEX NO: | | |
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| ATO/89520 | 6 of 21 | | |

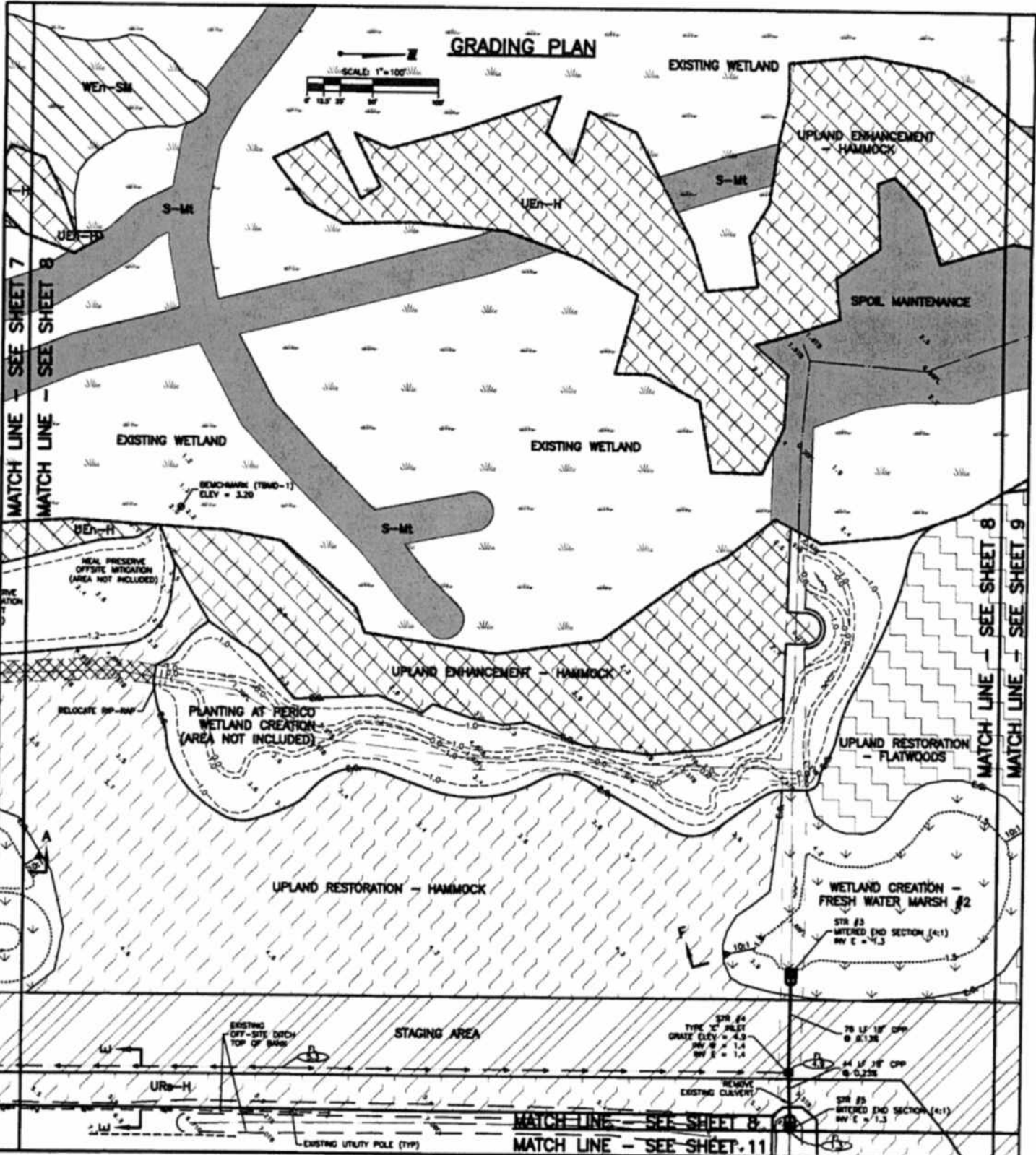


PROJECT: PERICO PRESERVE RESTORATION
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| SCALE: 1" = 100' | DATE: JULY 2011 |
| SER: 22,26,27 | TWP: 34S |
| PROJECT NO: 215500132 | RCE: 16E |
| INDEX NO: A-215500132-107 | REV NO: |
| DRWN BY/LMP NO: ATO/89520 | SHEET NO: 7 OF 21 |

GRADING PLAN



PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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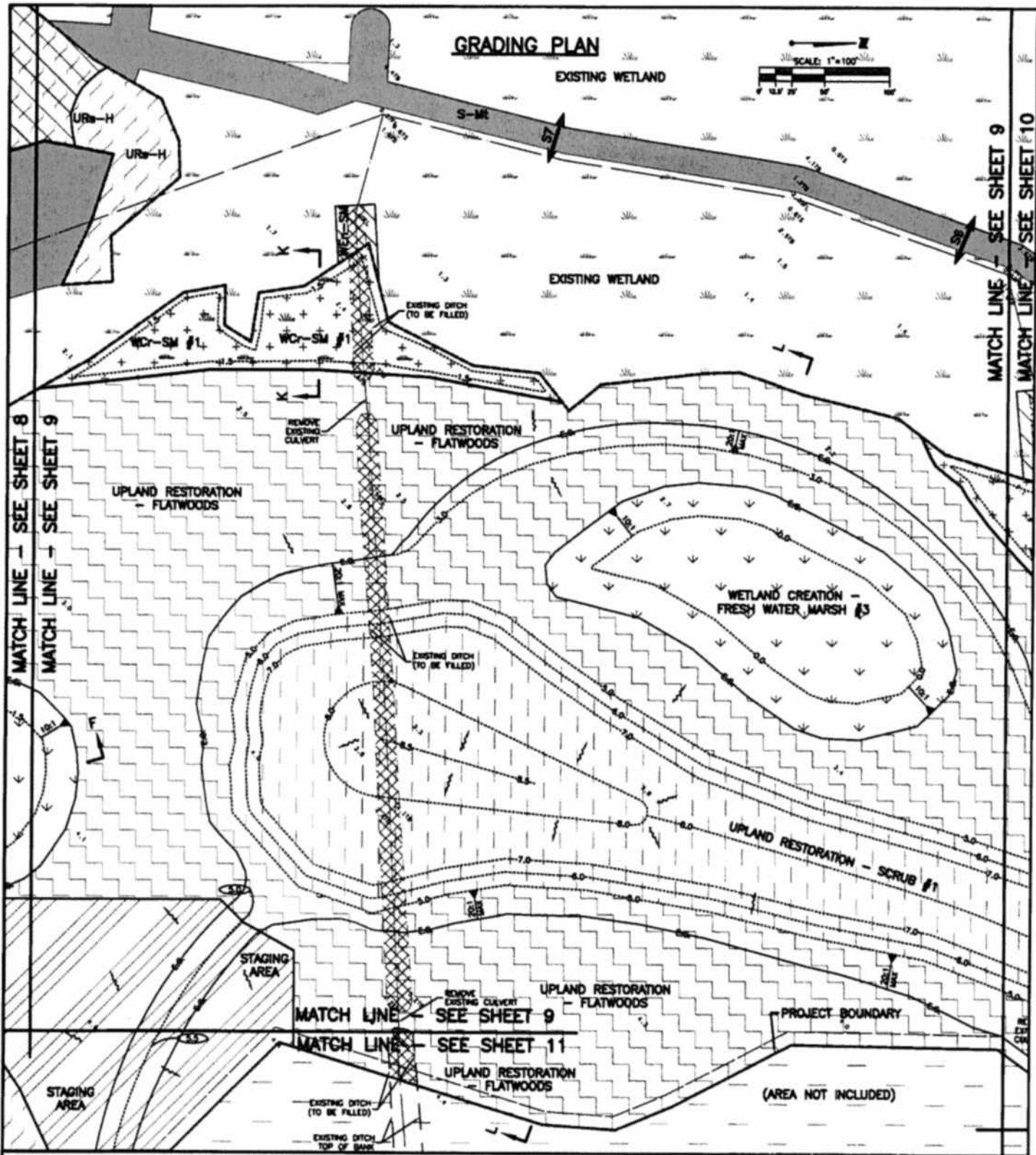
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| FLORIDA LICENSE NO. 49374 | |
| SCALE: 1" = 100' | DATE: JULY 2011 |
| SEC: 22, 26, 27 | TWP: 34S |
| PROJECT NO: 215500132 320 | RGE: 16E |
| INDEX NO: A-215500132-108 | REV NO: |
| DRWN BY/EMP NO: ATO/B9520 | SHEET NO: 8 OF 21 |

GRADING PLAN



PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*



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| SCALE: | 1" = 100' | DATE: | JULY 2011 |
| SEC: | 22, 26, 27 | TWP: | 34S |
| | | RGE: | 16E |
| PROJECT NO. | 215500132 320 | INDEX NO.: | A-215500132-109 |
| DRWN BY/EUP NO. | ATO/89520 | SHEET NO.: | 9 of 21 |

GRADING PLAN

MATCH LINE - SEE SHEET 9
MATCH LINE - SEE SHEET 10

EXISTING WETLAND

S-Mt

WETLAND CREATION
SALT MARSH #2

UPLAND RESTORATION
FLATWOODS

PROPERTY BOUNDARY



MATCH LINE - SEE SHEET 10

MATCH LINE - SEE SHEET 12

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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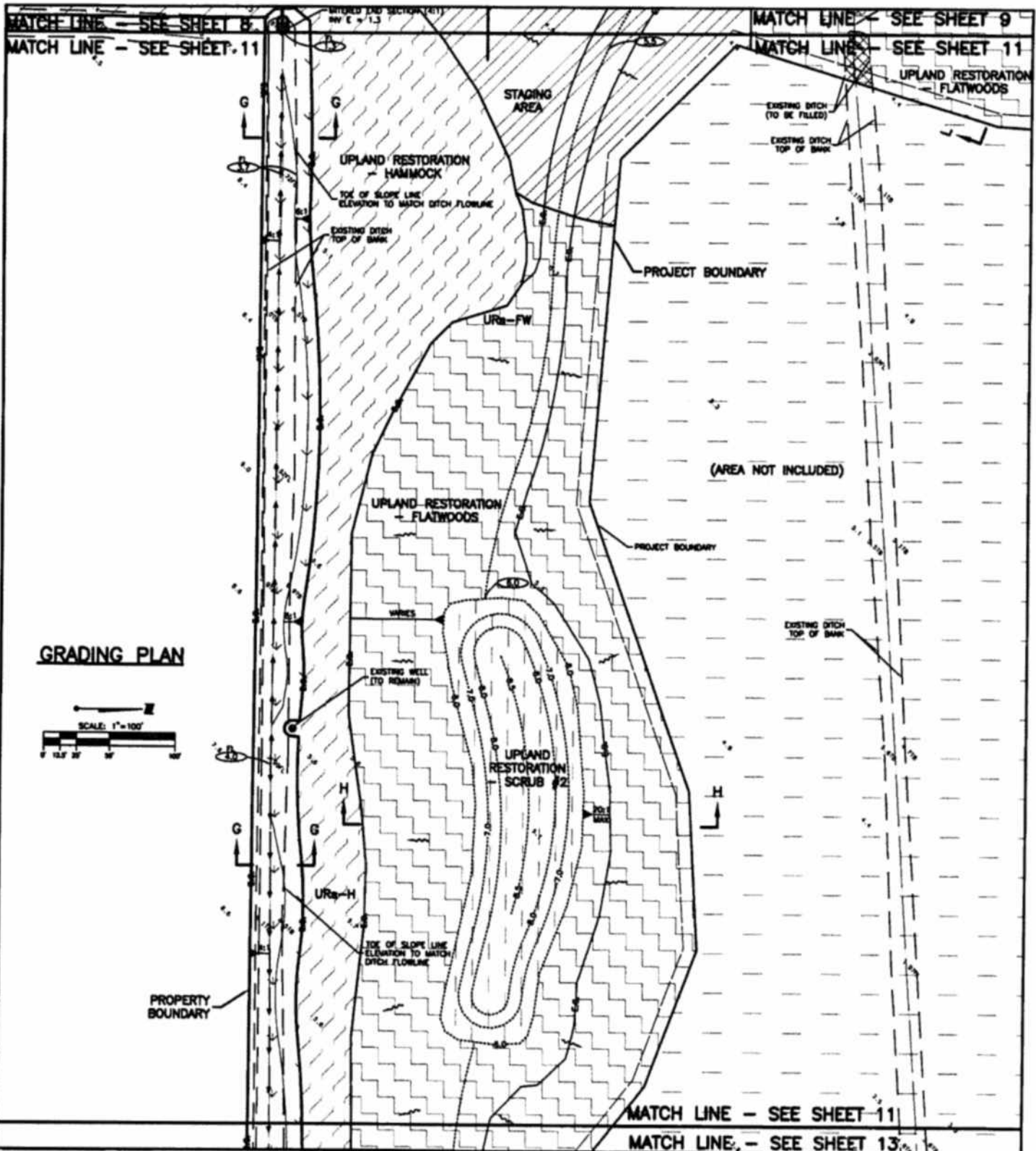
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| SCALE: | 1" = 100' | DATE: | JULY 2011 |
| SEC: | 22, 26, 27 | TWP: | 34S |
| | | RGE: | 16E |
| PROJECT NO. | 215500132 320 | INDEX NO. | A-215500132-110 |
| DRWN BY/EMP NO. | ATO/89520 | SHEET NO. | 10 OF 21 |



PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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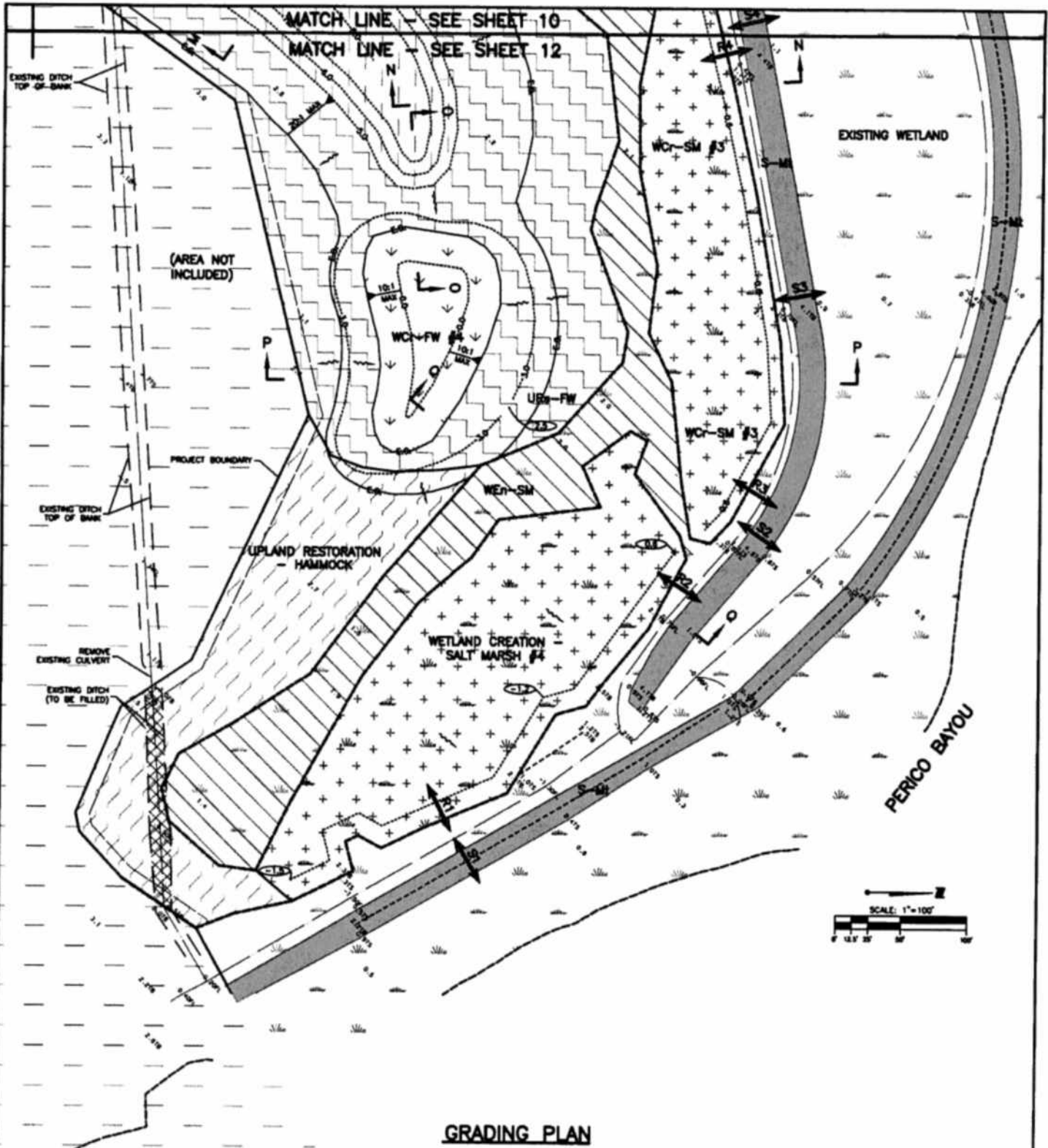
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| SCALE: 1" = 100' | TWP: 34S | ROE: 16E |
| SEC: 22, 26, 27 | PROJECT NO. 215500132 320 | INDEX NO. A-215500132-111 |
| DRWN BY/EMP NO. ATO/89520 | SHEET NO. 11 of 21 | |



GRADING PLAN

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*



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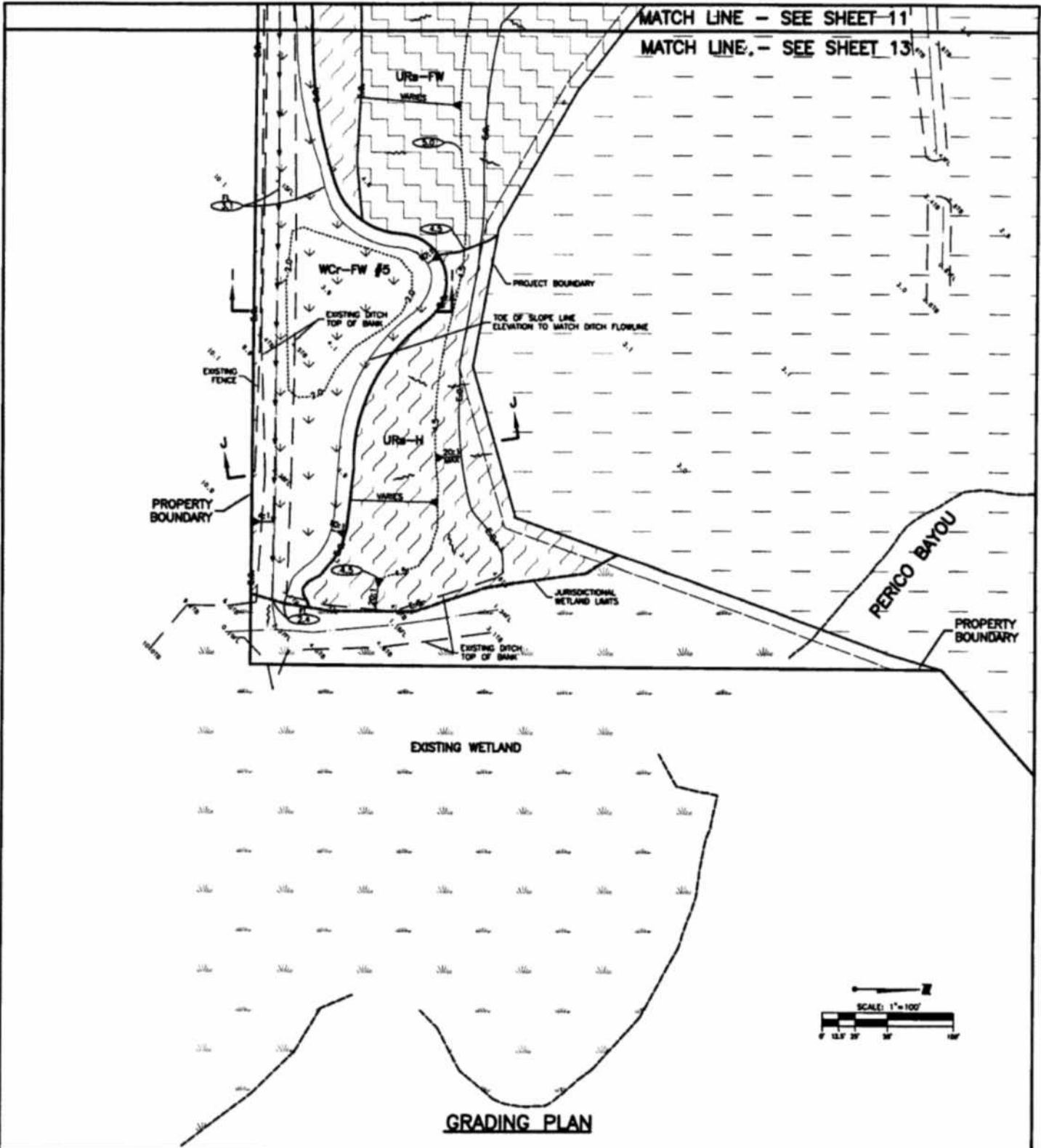
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| FLORIDA LICENSE NO. 49374 | | REV NO: | |
| SCALE: | 1" = 100' | TWP: | 34S |
| SEC: | 22, 26, 27 | RGE: | 16E |
| PROJECT NO: | 215500132 320 | INDEX NO: | A-215500132-112 |
| DRWN BY/EMP NO: | ATO/89520 | SHEET NO: | 12 OF 21 |



GRADING PLAN

PROJECT: PERICO PRESERVE RESTORATION
 CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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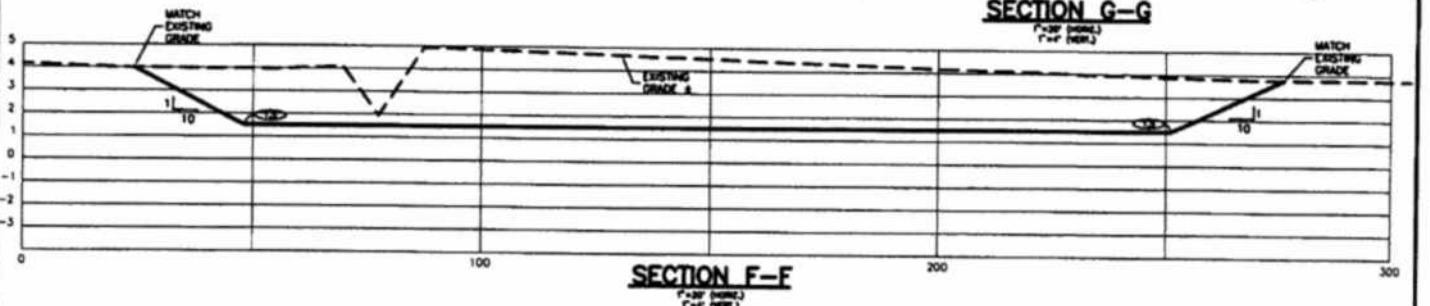
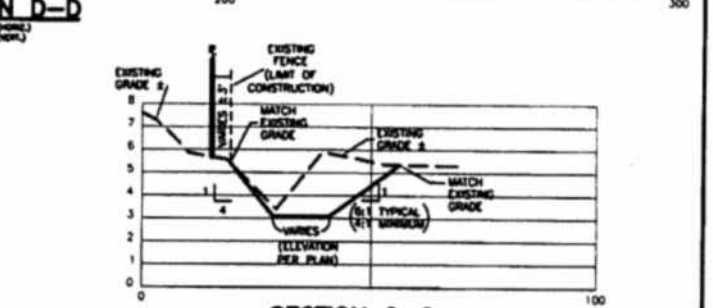
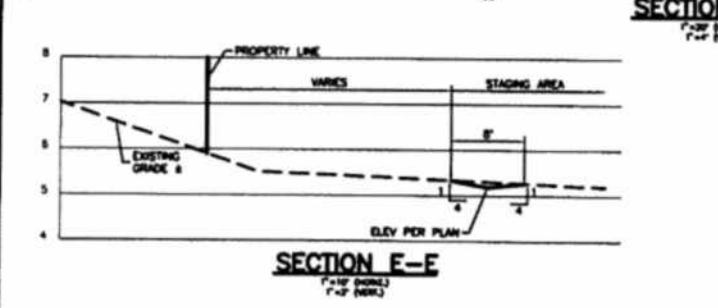
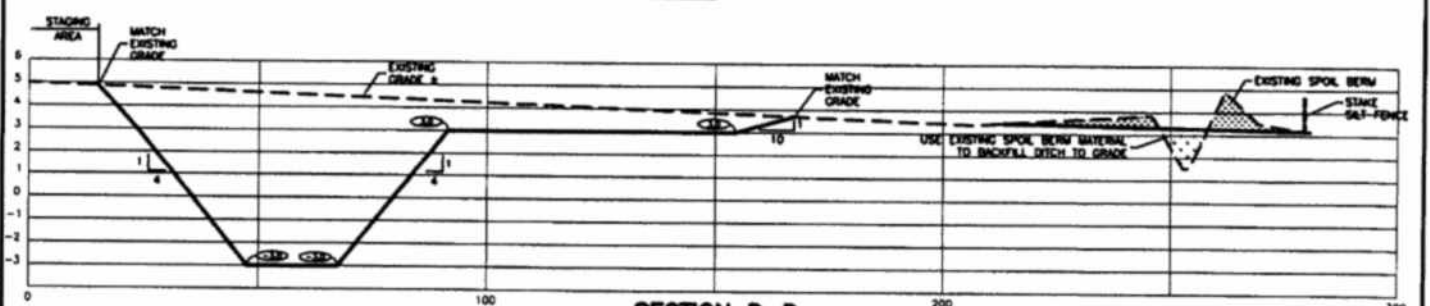
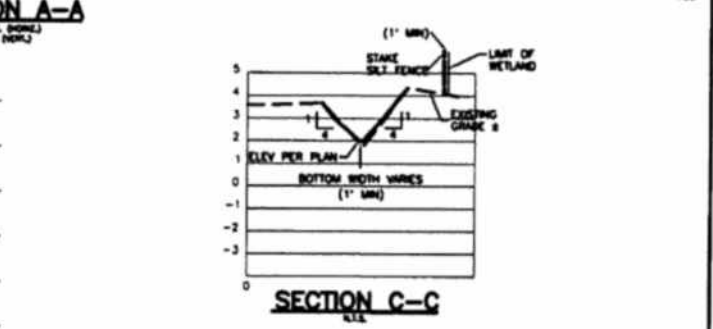
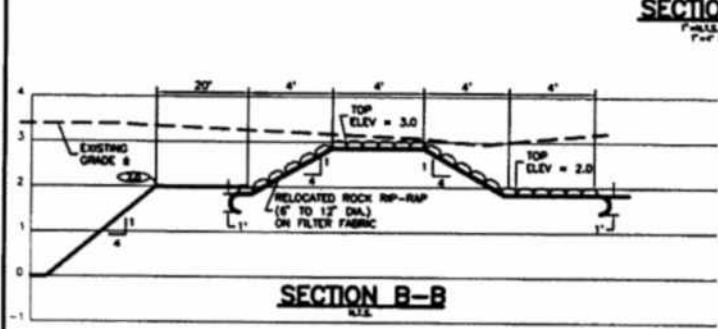
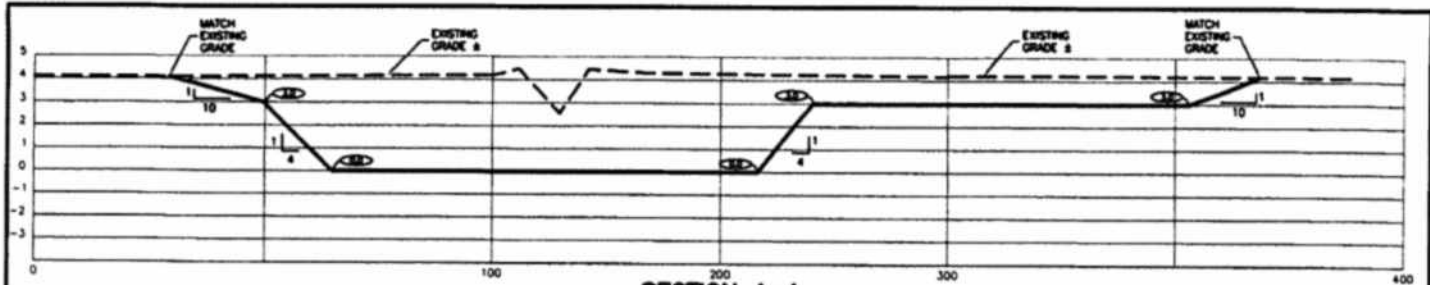
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| SCALE: 1" = 100' | DATE: JULY 2011 |
| SEC: 22,26,27 | TWP: 34S RGE: 16E |
| PROJECT NO: 215500132 320 | INDEX NO: A-215500132-113 |
| DRWN BY/EMP NO: ATO/B9520 | SHEET NO: 13 of 21 |



GRADING CROSS-SECTIONS

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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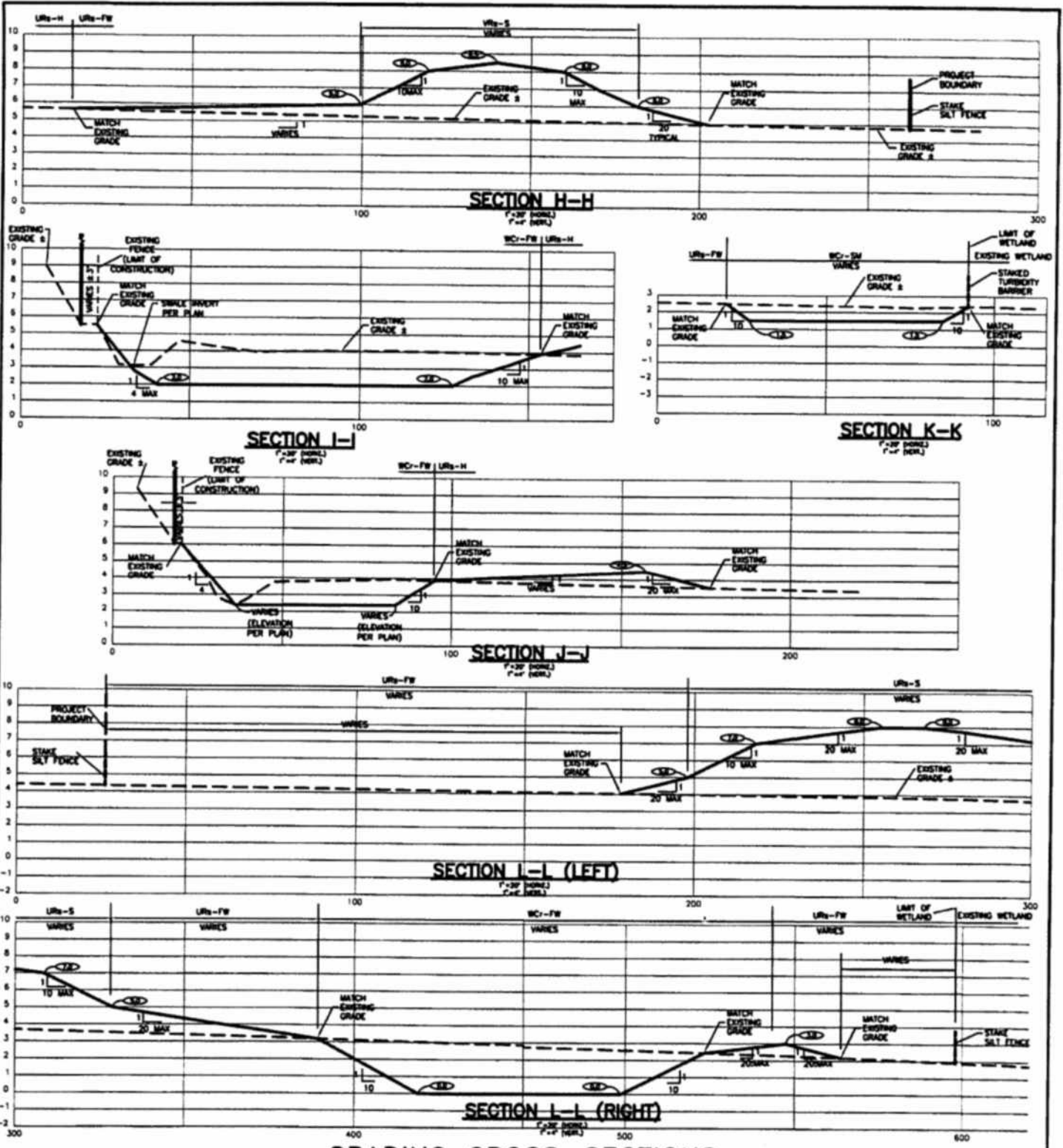
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| SEC: 22, 26, 27 | TWP: 34S RGE: 16E |
| PROJECT NO. 215500132 | INDEX NO. A-215500132-114 |
| DRWN BY/EMP NO. ATO/89520 | SHEET NO. 14 OF 21 |



GRADING CROSS-SECTIONS

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*



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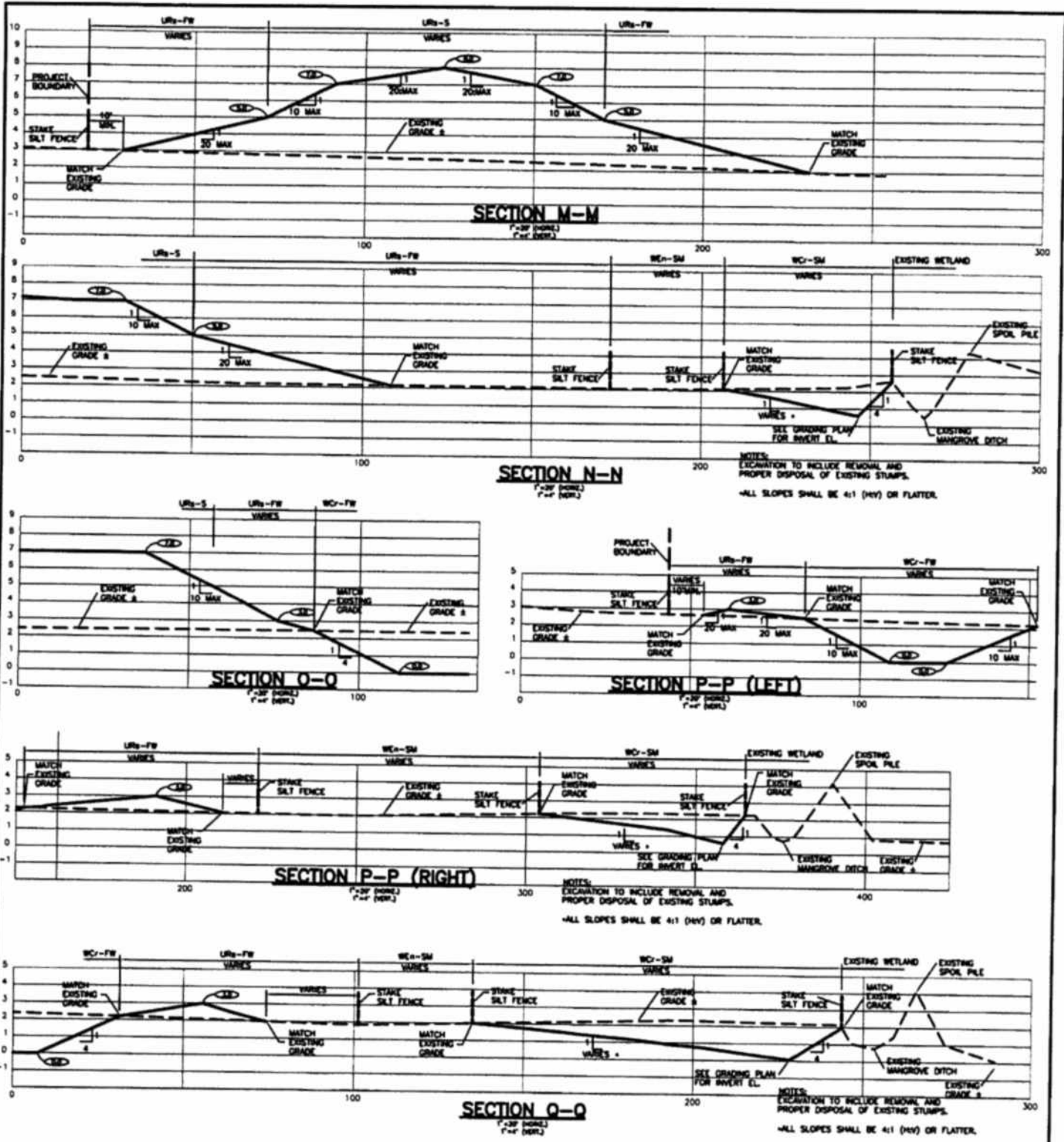
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| SCALE: | AS SHOWN | DATE: JULY 2011 |
| SEC: | TWP: 34S RGE: 16E | REV NO: |
| PROJECT NO: | 215500132 320 | INDEX NO: |
| DRWN BY/EMP NO: | ATO/89520 | A-215500132-115 |
| | | SHEET NO: |
| | | 15 of 21 |



GRADING CROSS-SECTIONS

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 CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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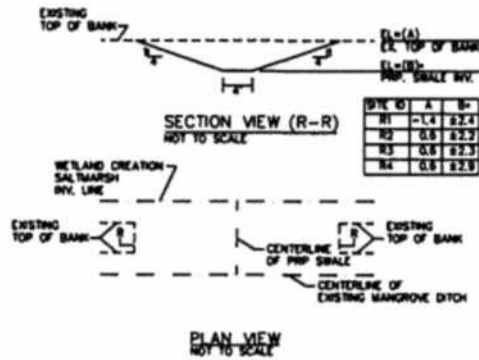
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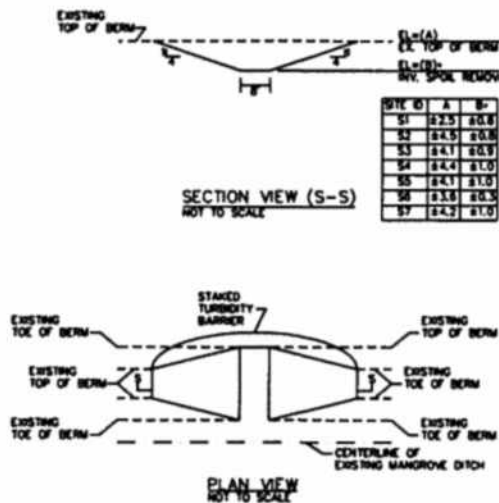
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| R. QUINCE SELLERS, P.E. 7/8/11 | |
| FLORIDA LICENSE NO. 49374 | |
| SCALE: AS SHOWN | DATE: JULY 2011 |
| SITE: 22,26,27 TWP: 34S RGE: 16E | REV NO: |
| PROJECT NO. 215500132 320 | INDEX NO. A-215500132-116 |
| DRWN BY/EMP NO. ATO/B9520 | SHEET NO. 16 OF 21 |

GENERAL SITE CONSTRUCTION NOTES:

1. THE PURPOSE OF THIS PROJECT IS ECOLOGICAL RESTORATION. THE CONTRACTORS WORKING ON THIS SITE SHALL TAKE GREAT CARE IN AVOIDING UNNECESSARY IMPACTS TO WETLANDS, VEGETATION, AND ANIMALS.
2. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED PRIOR TO BIDDING TO CONDUCT INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT MAY BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
3. THE CONTRACTOR SHALL OBTAIN AND/OR VERIFY EXISTENCE OF ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS NOT FURNISHED BY THE OWNER.
4. PRIOR TO THE START OF CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770), MANATEE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERIZON AND ANY OTHER UTILITIES (ELECTRIC, PHONE, GAS, CABLE, ETC.). IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
5. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FOOT STANDARDS AND SPECIFICATIONS.
6. IF HUMAN REMAINS OR ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR MUST STOP WORK IMMEDIATELY AND PROMPTLY NOTIFY THE PROJECT MANAGER.
7. THE CONTRACTOR SHALL NOT ENTER UPON, OR ALTER THE WETLAND PRESERVE AREAS THAT MAY BE ONSITE OR DIRECTLY ADJACENT TO THE PROJECT AREA EXCEPT AS NOTED IN THESE DRAWINGS. ALL WORK PERFORMED IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM VIOLATION OF PERMIT CONDITIONS.
8. ALL ELEVATIONS SHOWN ON THIS DRAWING SET ARE RELATIVE TO PROJECT BENCHMARK TBM D-1 - NAIL IN NORTH FACE OF 12" PALM (ELEVATION = 3.20 MWD 1988).
9. THE CONTRACTOR SHALL CLEAR AND GRUB TO REMOVE STUMPS, ROOTS, TREES, VEGETATION AND OBSTRUCTIONS TO THE WORK IN ALL AREAS DESIGNATED FOR SITE GRADING, ALL STUMPS, ROOTS, AND OTHER DEBRIS SHALL BE REMOVED FROM WITHIN THE CONSTRUCTION AREAS TO A DEPTH OF AT LEAST 1 FOOT BELOW THE PROPOSED GRADE.
10. ALL CLEARING, GRUBBING AND EXCAVATED MATERIAL WILL BE TRANSFERRED TO ONSITE UPLAND AREAS AND UTILIZED IN UPLAND ENHANCEMENT ACTIVITIES. VEGETATIVE DEBRIS WILL BE BURNED OR REMOVED FROM SITE AS DIRECTED BY PROJECT MANAGER.
11. ALL CONSTRUCTION DEBRIS WILL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE AND VERIFY ALL CUT AND FILL QUANTITIES OF EARTHWORK FOR THE PROJECT. A BUILDING FACTOR SHOULD BE TAKEN INTO ACCOUNT WHEN FIGURING VOLUMES OF FILL PLACEMENT.
13. IMMEDIATELY BEFORE REQUESTING FINAL INSPECTIONS, THE CONTRACTOR SHALL CHECK ALL LINES AND DRESS TO THE PROPER GRADES/CONTOURS. ALL AREAS ARE TO BE STABILIZED AND MAINTAINED UNTIL ACCEPTANCE. WHEN UPLAND AND WETLAND PLANTING AREAS ARE INDICATED ON DRAWINGS OR SPECIFIED, THE CONTRACTOR SHALL MAKE ALLOWANCES WHEN ROUGH GRADING FOR THE FINISHED GRADES IN THESE AREAS.
14. POST GRADING SOIL CONDITIONS SHALL BE APPROPRIATE FOR PLANTING WITH LIMITED COMPACTION AS DETERMINED BY PROJECT ECOLOGIST.
15. ANY DISTURBED AREA WILL BE SEEDING/BALCHED, HYDROSEEDING, OR SOODED OR PLANTED WITH MATERIALS AS SPECIFIED IN THE PLANTING PLANS.
16. ALL PLANT MATERIAL TO BE INSTALLED SHALL BE HEALTHY, IN GOOD CONDITION, FREE FROM DISEASE AND APPROVED BY A QUALIFIED ECOLOGIST PRIOR TO INSTALLATION.
17. DURING CONSTRUCTION OF SPOIL REMOVAL SITES WORK WILL BE DONE FROM UPLANDS TO THE EXTENT POSSIBLE. IN AREAS WHERE EQUIPMENT USED TO PERFORM SPOIL REMOVAL IS REQUIRED TO CROSS WETLANDS/WATERS OF THE UNITED STATES THE PROJECT ECOLOGIST WILL MONITOR THE OPERATION AND ENSURE MINIMAL DAMAGE TO SOIL AND VEGETATION OCCURS. NO EXCAVATED MATERIAL WILL BE PLACED IN WETLANDS AND ANY ALTERATIONS TO GRADE FROM SPOIL REMOVAL WILL BE REPAIRED.
18. SOILS PITS WERE DUG AND ANALYZED BY A WILSONMILLER STAITEC ECOLOGIST AT SEVERAL LOCATIONS ON THIS SITE TO DETERMINE THE APPROXIMATE ELEVATION OF MEAN HIGH GROUNDWATER ELEVATION CONDITIONS BASED ON DIRECT OBSERVATION OF GROUND WATER AND HYDRIC SOIL INDICATORS. THESE OBSERVATIONS WERE USED TO DETERMINE BOTTOM ELEVATIONS OF WETLAND CREATIONS AREAS.



TYPICAL WCr-SM TO EXISTING DITCH SPOIL REMOVAL DETAIL
 NOTES: - INVERT OF PROPOSED SPOIL TO MATCH INVERT OF EXISTING MANGROVE DITCH.
 - LOCATION FOR SPOIL REMOVAL SITE TO BE FIELD LOCATED BY PROJECT ECOLOGIST.
 ELEVATIONS SHOWN IN TABLE ARE APPROXIMATE AND WILL NEED TO BE FIELD VERIFIED.



TYPICAL SPOIL BERM REMOVAL DETAIL
 NOTES: - ADJACENT EXISTING WETLAND APPROXIMATE NATURAL GROUND ELEVATION.
 - LOCATION FOR SPOIL REMOVAL SITE TO BE FIELD LOCATED BY PROJECT ECOLOGIST.
 ELEVATIONS SHOWN IN TABLE ARE APPROXIMATE AND WILL NEED TO BE FIELD VERIFIED.

CONSTRUCTION DETAILS

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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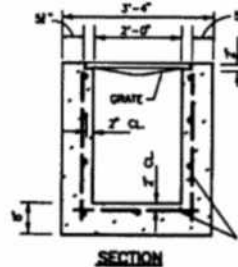
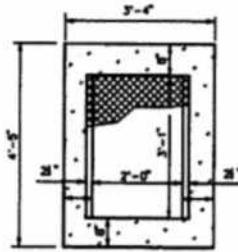
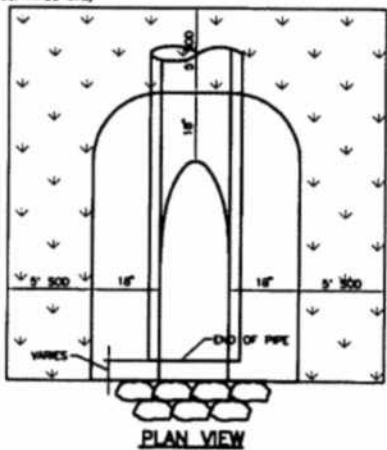
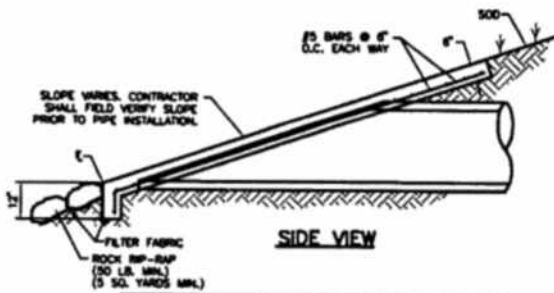
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| R. QUINCE SELLERS, P.E. 7/18/11 | | DATE: JULY 2011 |
| FLORIDA LICENSE NO. 49374 | | REV NO: |
| SCALE: N/A | TWP: 34S | INDEX NO: A-215500132-117 |
| SEC: 22,26,27 | RGE: 16E | SHEET NO: 17 of 21 |
| PROJECT NO: 215500132 320 | DRWN BY/EMP NO: ATO/89520 | |



- NOTES**
1. INLET SHALL HAVE 3" DIA. HOLE AT THE BOTTOM OF THE BOX CLEAR OF THE PIPE CONSTRUCTION TO BE PLUGGED WHEN CONCRETE INVERT FORMED.
 2. U.S.F. GRATE NO. 8804 (STEEL)
 3. FRAME & GRATE SHALL BE OF STEEL CONSTRUCTION COATED WITH 2 APPLICATIONS OF BLACK ENAMEL, 4.0 MILS DRY FILM THICKNESS EACH COAT, 8 MILS TOTAL. COATING SHALL MEET OR EXCEED FDOT SPECIFICATION 871-8. CONTRACTOR SHALL APPLY ONE FIELD COAT TO ANY BARE AREAS AS DETERMINED BY ENGINEER.
 4. 3/4" CHAMFER ALL EXPOSED EDGES.
 5. 3000 PSI CONCRETE @ 28 DAYS SHALL BE USED THROUGHOUT.
 6. POURED CONCRETE INVERT AFTER INLET & PIPE PLACED IN GROUND, 3000 PSI @ 28 DAYS.
 7. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET WITH DEFORMATIONS CONFORMING TO ASTM A-615-70A. ALL STEEL SHALL BE 2" CLEAR UNLESS OTHERWISE NOTED.

- NOTES**
1. CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS
 2. CHAMFER ALL EXPOSED EDGES 3/4".
 3. RP-RAP SHALL BE SUPPLIED AND CONSTRUCTED AS DEFINED IN THE F.D.O.T. SPECIFICATIONS SEC. 530, "RP-RAP", SPECIFICALLY SEC. 530-3.1 OR SEC. 530-3.3 "CONSTRUCTION METHODS" & 5Y. RP-RAP AND FILTER CLOTH TO BE INCLUDED IN THE UNIT PRICE OF THE MITERED END SECTION. IF ADDITIONAL RP-RAP (> 5 SY.) IS REQUIRED AND DIRECTED, IT SHALL BE PAID FOR ON A PER YARD BASIS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 4. FILTER FABRIC SHALL BE SUPPLIED AND CONSTRUCTED AS DEFINED IN THE F.D.O.T. SPECIFICATIONS SEC. 514, PLASTIC FILTER FABRIC, SPECIFICALLY SEC. 514-3.4 BPRAP, INCLUDED IN UNIT COST OF MITERED END SECTION.

MITERED END SECTION
5-0022 N.T.S.

F.D.O.T. TYPE "C" INLET
(SEE FDOT INDEX 232) N.T.S.

CONSTRUCTION DETAILS

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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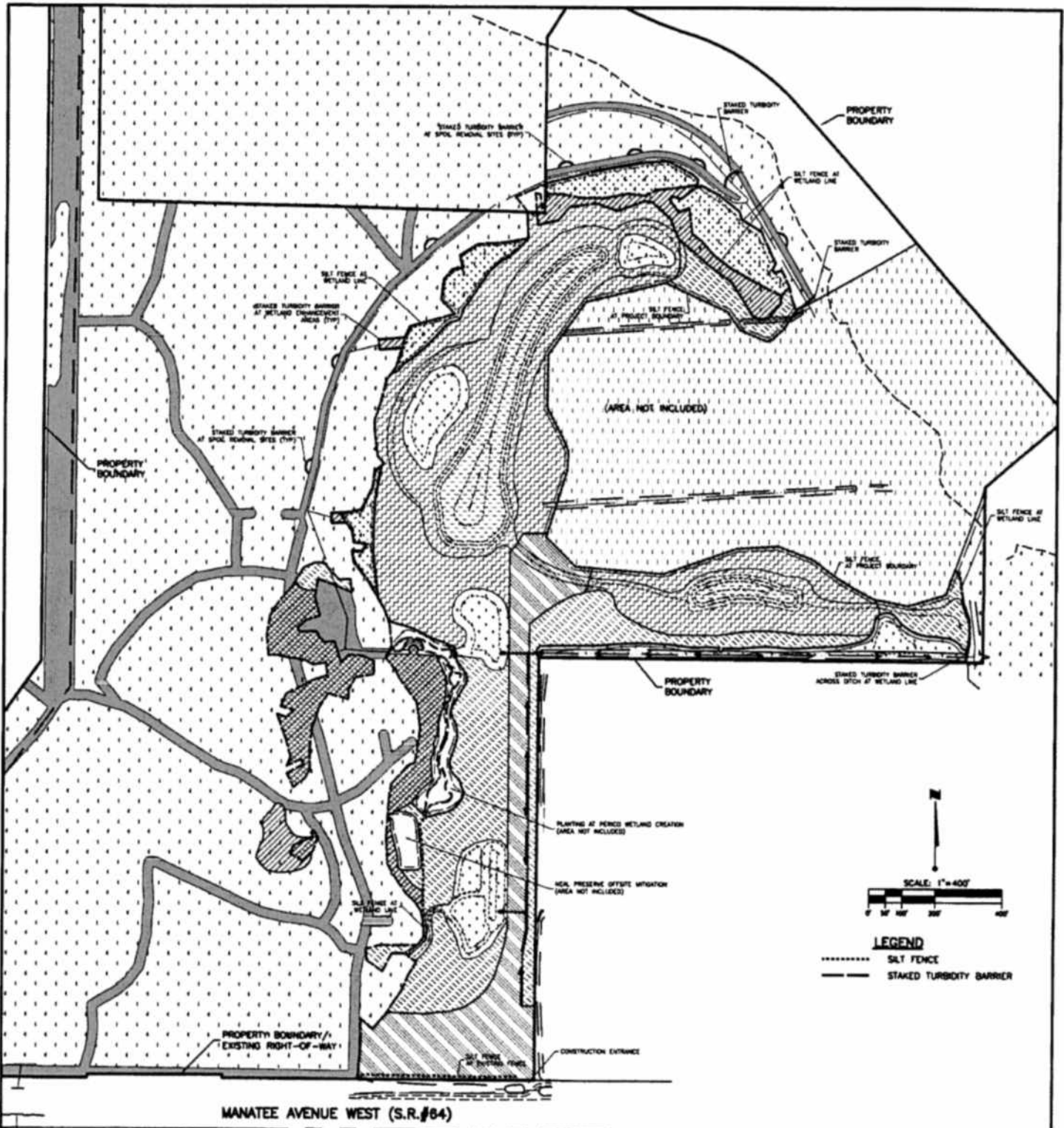
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R. QUINCE SELLERS, P.E. 7/18/11
FLORIDA LICENSE NO. 49374

| | | | |
|------------------|-----------|------------|-----------------|
| SCALE: | N/A | DATE: | JULY 2011 |
| SEC: | 22,26,27 | TWP: | 34S |
| | | RGE: | 16E |
| PROJECT NO.: | 215500132 | 320 | INDEX NO.: |
| | | | A-215500132-118 |
| DRWN BY/EWP NO.: | ATO/89520 | SHEET NO.: | 18 of 21 |



BEST MANAGEMENT PRACTICES PLAN

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL *[Signature]*



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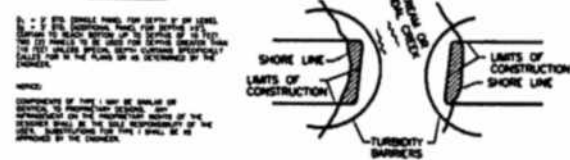
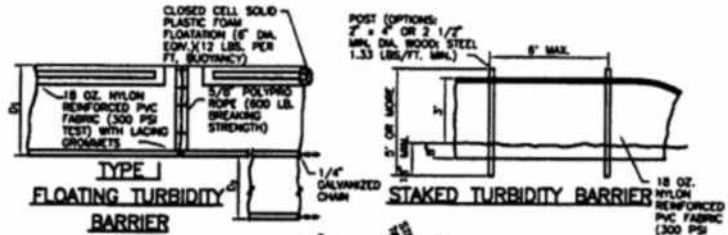
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| | |
|--|--------------------|
| R. QUINCE SELLERS, P.E. <i>7/18/11</i> | |
| FLORIDA LICENSE NO. 49374 | |
| SCALE: 1"=400' | DATE: JULY 2011 |
| SEC: 22,26,27 | TRP: 345 |
| PROJECT NO: 215500132 | RGE: 16E |
| INDEX NO: A-215500132-106 | |
| DRWN BY/EMP NO: ATO/89520 | SHEET NO: 19 OF 21 |

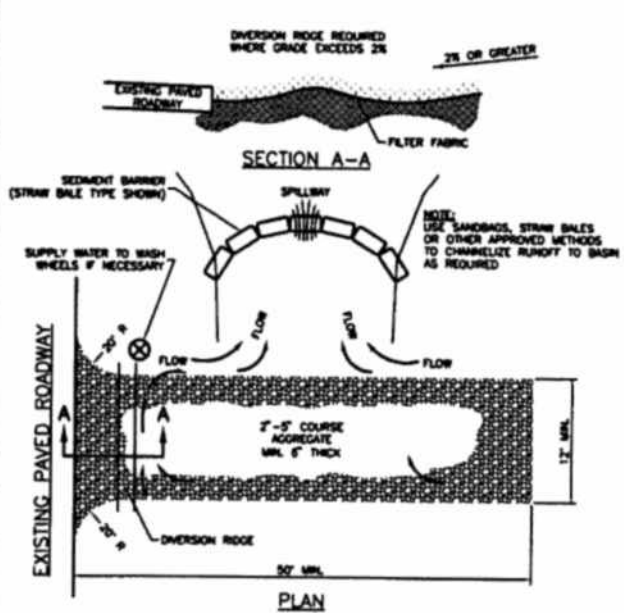
NOTES:

1. THE CONTRACTOR SHALL ERECT SILT FENCE, STAKED HAY BALES, STAKED TURBIDITY BARRIERS, AND FLOATING TURBIDITY BARRIERS PRIOR TO COMMENCEMENT OF EXCAVATION/GRADING ACTIVITY.
2. REQUIRED EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND MAINTAINED AS REQUIRED THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.
3. ALL EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR IN COMPLIANCE WITH SWFWMD, MANATEE COUNTY, AND SPDES PERMIT REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL DEVICES DAILY AND WITHIN 4 HOURS AFTER EACH RAINFALL EVENT OF 0.25 INCHES OR MORE. ALL MAINTENANCE SHALL BE PERFORMED WITHIN 24 HOURS OF INSPECTION.
4. ALL PRACTICABLE AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO BAILETS, WETLANDS, AND OFFSITE AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
5. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT AND SHALL USE WATER, STRAW MULCH, OR OTHER SUITABLE MATERIAL AS REQUIRED.
6. THE CONTRACTOR SHALL MAINTAIN TURBIDITY BARRIERS UNTIL COMPLETION AND ACCEPTANCE OF ALL GRADING AND PLANTING.
7. THE CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENT CONTROL (TURBIDITY BARRIERS, SILT FENCE, HAY BALES, OR OTHER AS APPROVED) AT ALL GRADDED AREAS AFTER GRADING IS COMPLETE AND UNTIL PLANTING AND GROUND COVER IS ESTABLISHED.
8. EROSION AND SEDIMENT CONTROL DEVICES (SILT FENCE, TURBIDITY BARRIERS, ETC.) ARE DEPICTED IN APPROXIMATE LOCATIONS AND SHALL BE ADJUSTED AS NECESSARY WITH THE DIRECTION OF THE PROJECT ECOLOGY IN ORDER TO AVOID EXISTING NATIVE PLANTS AND PRESERVATION AREAS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL DEVICES AT THE COMPLETION OF THE PROJECT.



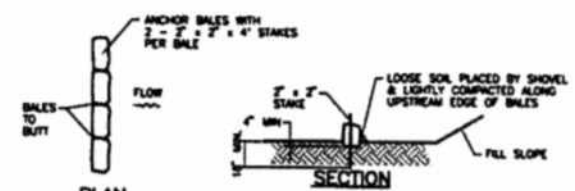
- TURBIDITY BARRIER APPLICATIONS**
N.T.S.
- TURBIDITY BARRIERS**
N.T.S.
- NOTES:**
1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT WORKS OF WATER REGULATION OR WATER QUALITY.
 2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON WATER QUALITIES.
 3. REPLACEMENT OF BARRIERS ARISING FROM DAMAGE AND/OR TO ACCOMMODATE CONSTRUCTION OPERATIONS.
 4. MAINTENANCE AND REPAIR REQUIREMENTS DURING CONSTRUCTION OPERATIONS.

NOTE:
TURBIDITY BARRIERS FOR FLOATING AND STAKED SHALL BE CONSTRUCTED ON TOP OF 2\"/>

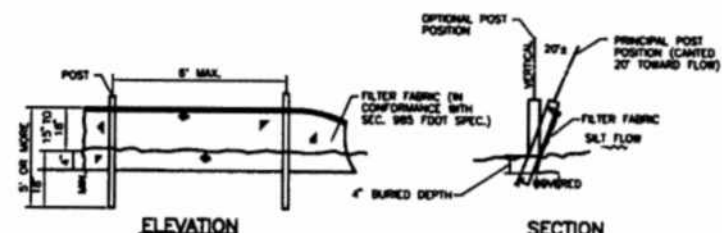


- NOTE:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL
N.T.S.



TYPICAL BALE SILTS BARRIER
N.T.S.



TYPICAL SILTS FENCE
N.T.S.

BEST MANAGEMENT PRACTICES DETAILS

PROJECT: PERICO PRESERVE RESTORATION
CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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| R. QUINCE SELLERS, P.E. 7/16/11 | |
| FLORIDA LICENSE NO. 49374 | |
| SCALE: N/A | DATE: JULY 2011 |
| SEC: 22,26,27 | TWP: 34S |
| RGE: 16E | REV NO: |
| PROJECT NO: 215500132 320 | INDEX NO: A-215500132-120 |
| DRWN BY/EMP NO: ATO/89520 | SHEET NO: 20 OF 21 |

USACE WATERS OF THE U.S. IMPACTS

| | |
|--------------------------------------|---------------------|
| TOTAL DREDGE AREA | 0.55 AC |
| TOTAL FILL AREA TOTAL FILL VOLUME | 0.55 AC 1,040 CY |

PROJECT: PERICO PRESERVE RESTORATION

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL 



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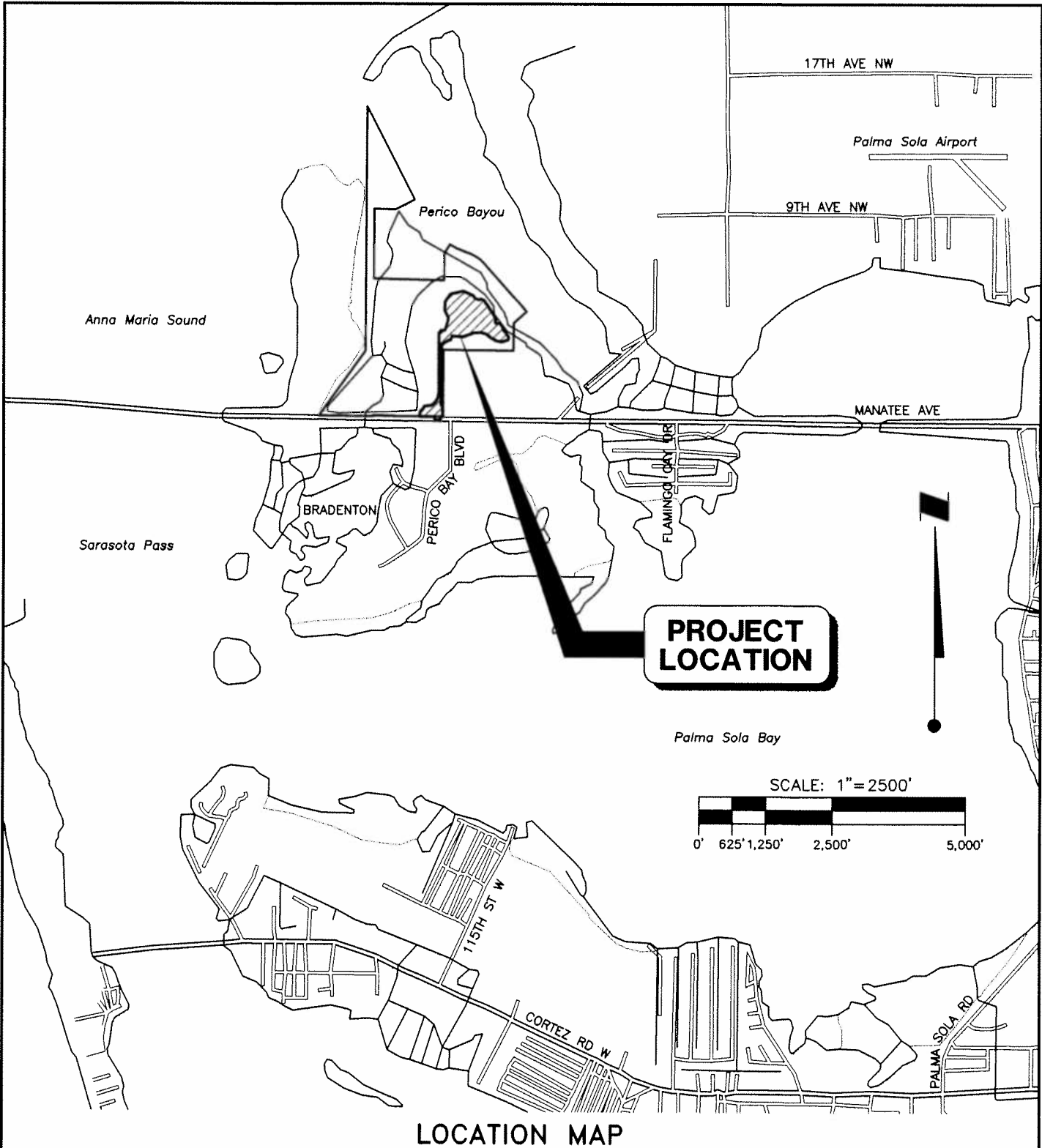
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FLORIDA LICENSE NO. 49374

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| SCALE: | N/A | DATE: | JULY 2011 |
| SEC: | TWP: | RGE: | REV NO: |
| 22,26,27 | 34S | 16E | |
| PROJECT NO. | INDEX NO: | | |
| 215500132 320 | A-215500132-121 | | |
| DRWN BY/EMP NO. | SHEET NO: | | |
| ATO/89520 | 21 of 21 | | |



LOCATION MAP

PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | | DATE: MAY 2012 |
| SCALE: 1" = 2,500' | TWP: 34S | REV NO: |
| SEC: 22,26,27 | RGE: 16E | INDEX NO: |
| PROJECT NO. 215510397 210 | | A-215510397-003001 |
| DRWN BY/EMP NO. ATO/89520 | | SHEET NO. 1 OF 14 |

INDEX TO SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|-----------------------------------|
| 1 | COVER SHEET |
| 2 | INDEX TO SHEETS |
| 3 | LEGEND |
| 4 | AERIAL LOCATION MAP |
| 5 | MASTER SITE PLAN AND KEY SHEET |
| 6-10 | GRADING PLAN |
| 11 | GRADING CROSS-SECTIONS |
| 12 | BEST MANAGEMENT PRACTICES PLAN |
| 13 | BEST MANAGEMENT PRACTICES DETAILS |
| 14 | USACE WATERS OF THE U.S. IMPACTS |

PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL









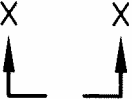


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| SCALE: | N/A | | DATE: MAY 2012 |
| SEC: | TWP: 34S | RGE: 16E | REV NO: |
| PROJECT NO: | 215510397 210 | | INDEX NO: A-215510397-003002 |
| DRWN BY/EMP NO: | ATO/89520 | | SHEET NO: 2 OF 14 |

LEGEND

| | |
|---|--|
|  | ACCESS/STAGING AREA |
|  | EXISTING DITCH TO BE REMOVED (WATERS OF THE U.S.) |
|  | CENTERLINE OF DITCH W/ FLOW DIRECTION |
|  | DIRECTION OF SURFACE FLOW |
|  | EXISTING GROUND ELEVATION (NAVD 1988) |
|  | PROPOSED GROUND CONTOUR W/ ELEVATION |
|  | GRADE BREAK AT EXISTING GROUND |
|  | PROPOSED GROUND ELEVATION |
|  | CROSS-SECTION (SEE SHEET 11) |

PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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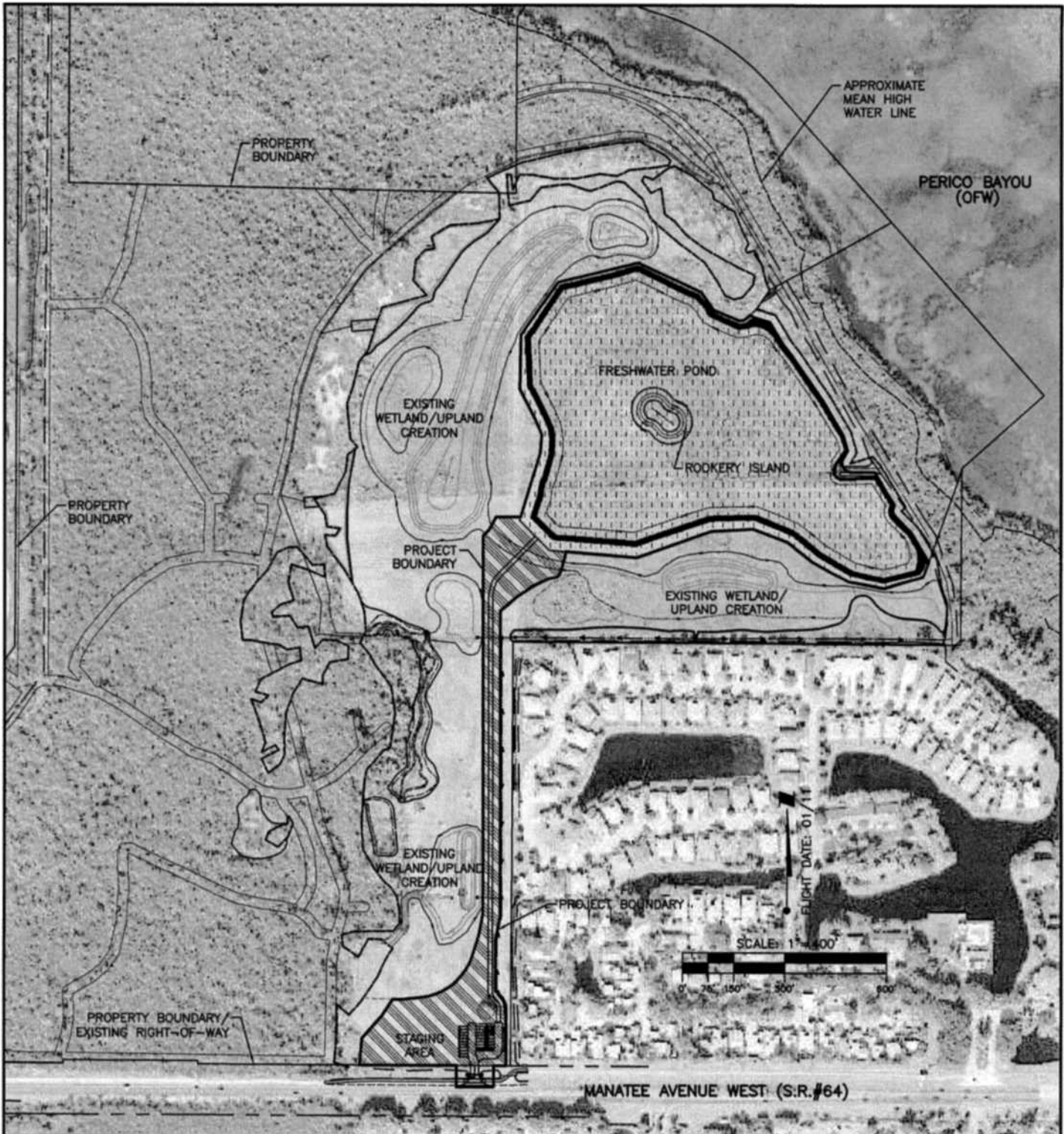
R. QUINCE SELLERS, P.E.
FLORIDA LICENSE NO. 49374

| | | | |
|--------|-----|-------|----------|
| SCALE: | N/A | DATE: | MAY 2012 |
|--------|-----|-------|----------|

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|----------|------|------|---------|
| SEC: | TWP: | RGE: | REV NO: |
| 22,26,27 | 34S | 16E | |

| | |
|---------------|--------------------|
| PROJECT NO. | INDEX NO: |
| 215510397 210 | A-215510397-003003 |

| | |
|-----------------|-----------|
| DRWN BY/EMP NO. | SHEET NO: |
| ATO/89520 | 3 OF 14 |



AERIAL LOCATION MAP

PROJECT: THE ROOKERY AT PERICO PRESERVE

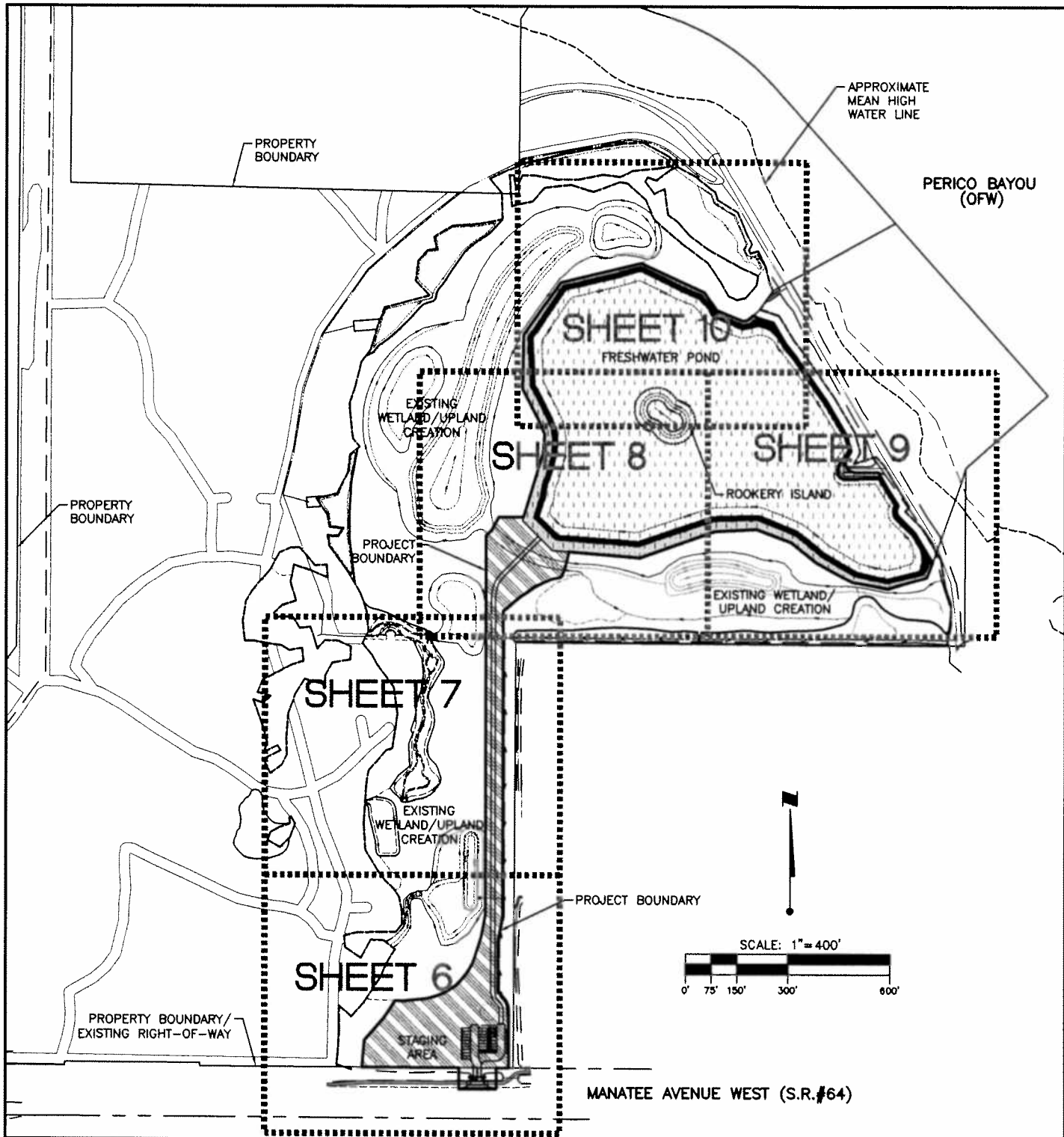
CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | | DATE: MAY 2012 |
| SCALE: 1" = 400' | TWP: 34S | REV NO: |
| SEC: 22, 26, 27 | RGE: 16E | INDEX NO: |
| PROJECT NO: 215510397 220 | | A-215510397-003003 |
| DRWN BY/EMP NO: ATO/89520 | | SHEET NO: 3 OF 14 |



AERIAL LOCATION MAP

PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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R. QUINCE SELLERS, P.E.
 FLORIDA LICENSE NO. 49374

SCALE: 1" = 400' DATE: MAY 2012

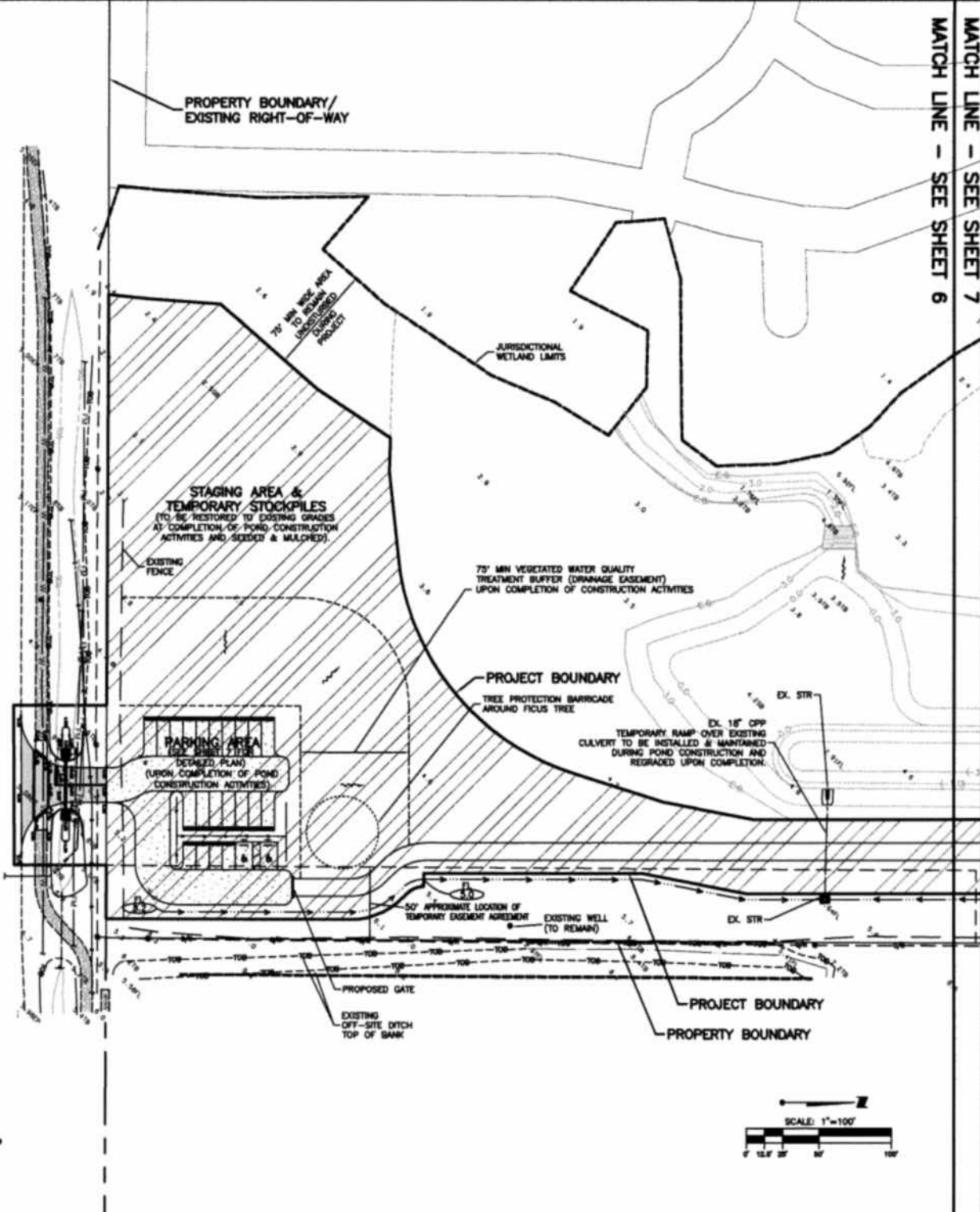
SEC: 22,26,27 TWP: 34S RGE: 16E REV NO.

PROJECT NO. 215510397 220 INDEX NO. A-215510397-003005

DRWN BY/EMP NO. ATO/89520 SHEET NO. 5 OF 14

MATCH LINE - SEE SHEET 7
 MATCH LINE - SEE SHEET 6

MANATEE AVE



GRADING PLAN

PROJECT: THE ROOKERY AT PERICO PRESERVE

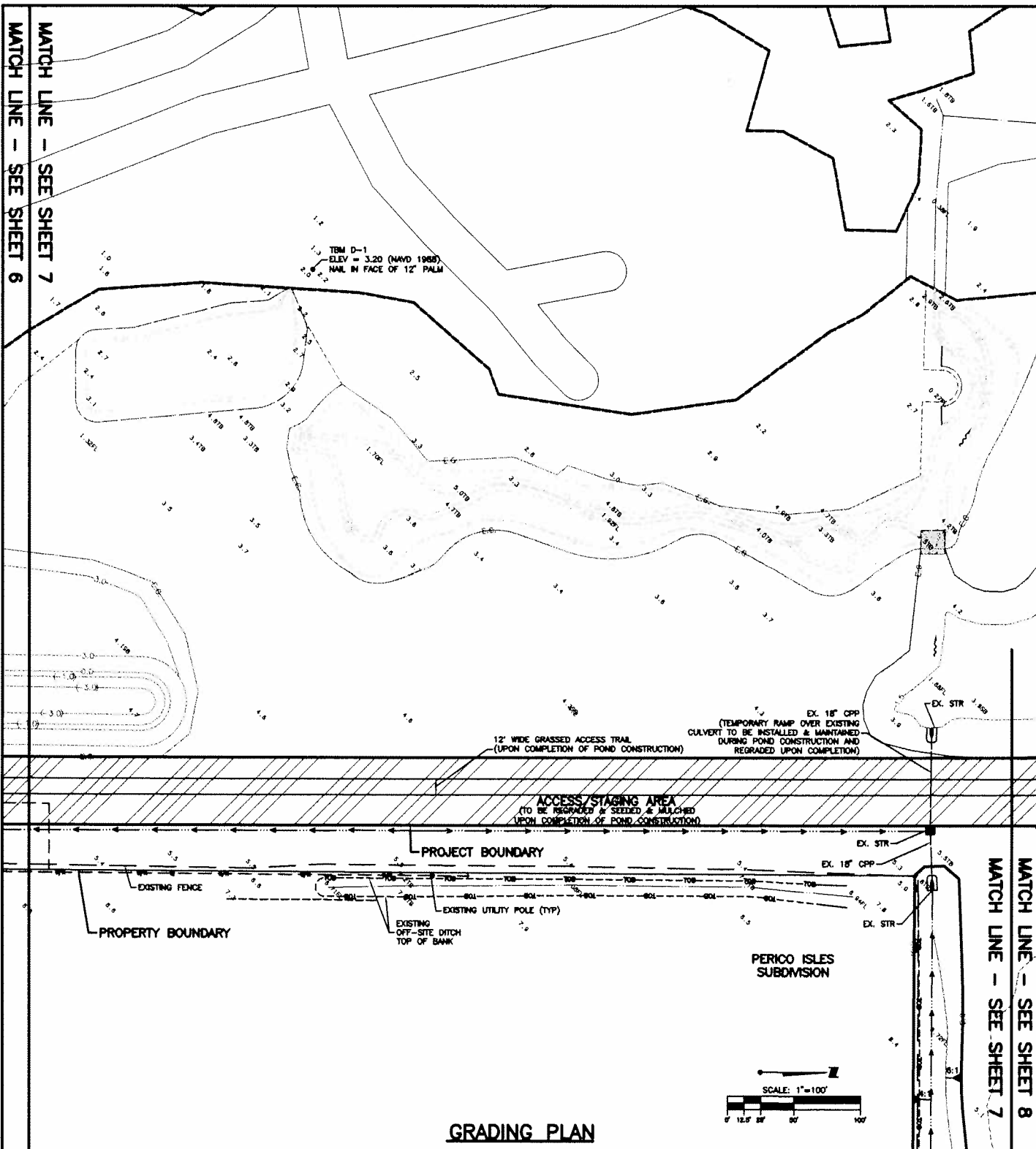
CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



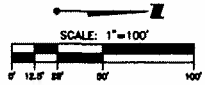
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| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | | DATE: MAY 2012 |
| SCALE: 1" = 100' | | |
| SEC: 22, 26, 27 | TWP: 34S | RGE: 16E |
| PROJECT NO. 215510397 220 | | INDEX NO. A-215510397-003006 |
| DRAWN BY/LMP NO. ATO/89520 | | SHEET NO. 6 OF 14 |



GRADING PLAN



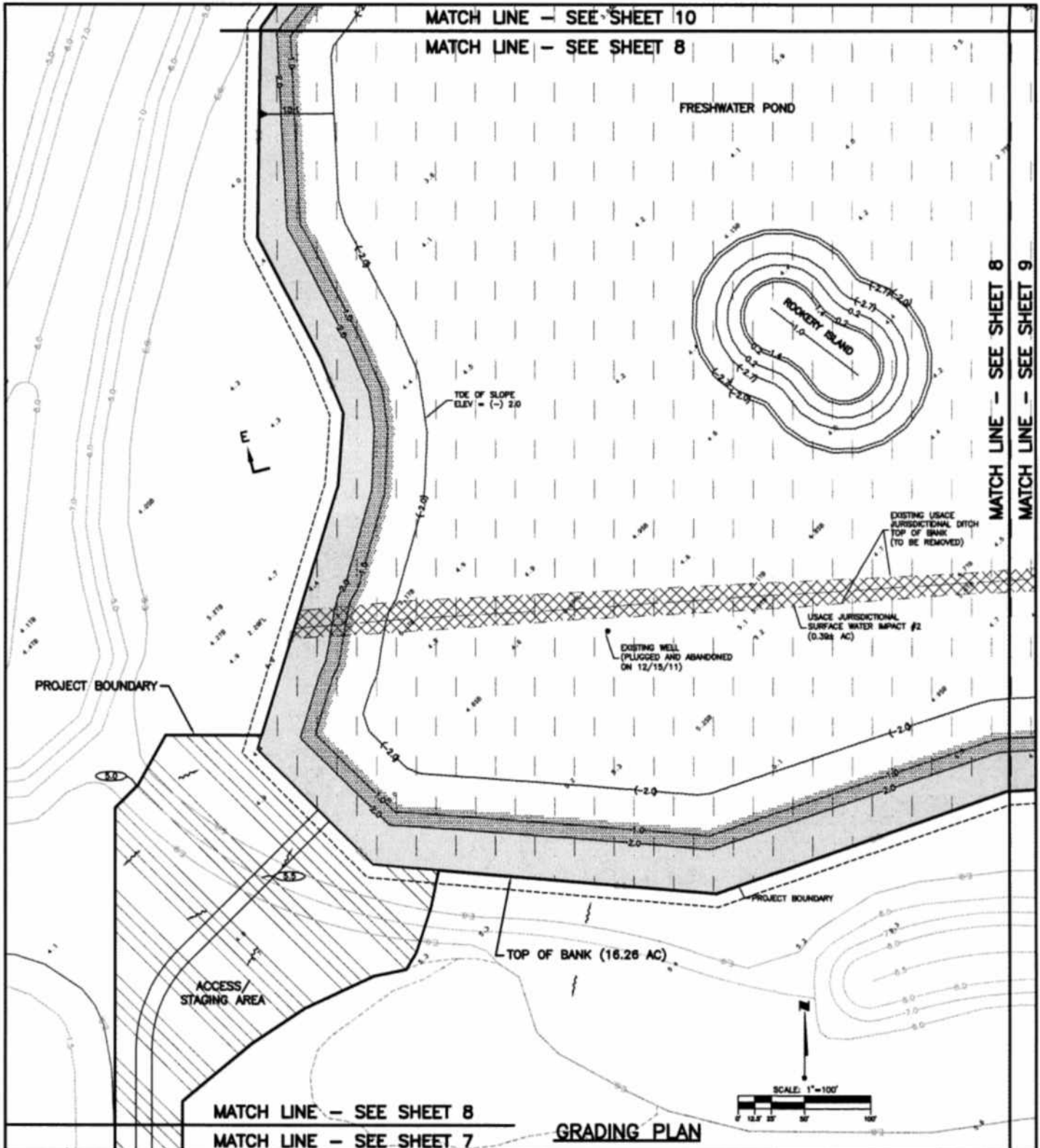
PROJECT: THE ROOKERY AT PERICO PRESERVE
 CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | | DATE: MAY 2012 |
| SCALE: 1" = 100' | TWP: 34S | REV NO: |
| SEC: 22,26,27 | RGE: 16E | INDEX NO: A-215510397-003007 |
| PROJECT NO. 215510397 220 | DRWN BY/EMP NO. ATO/89520 | SHEET NO: 7 OF 14 |



PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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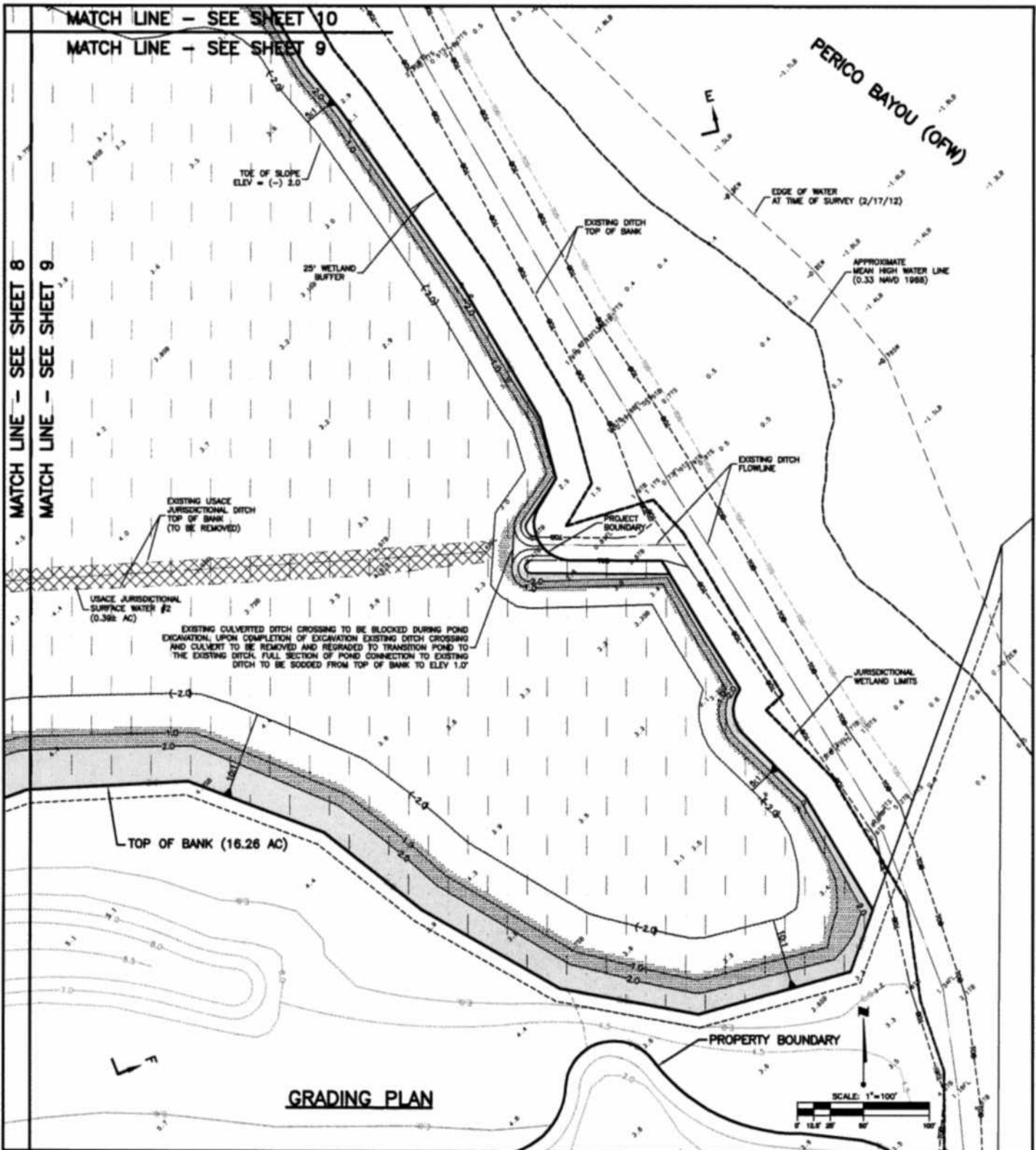
R. QUINCE SELLERS, P.E.
 FLORIDA LICENSE NO. 49374

SCALE: 1" = 100' DATE: MAY 2012

SEC: 22,26,27 TWP: 34S RGE: 16E REV NO:

PROJECT NO. 215510397 220 INDEX NO. A-215510397-003008

DRWN BY/EMP NO. ATO/89520 SHEET NO. 8 OF 14



GRADING PLAN

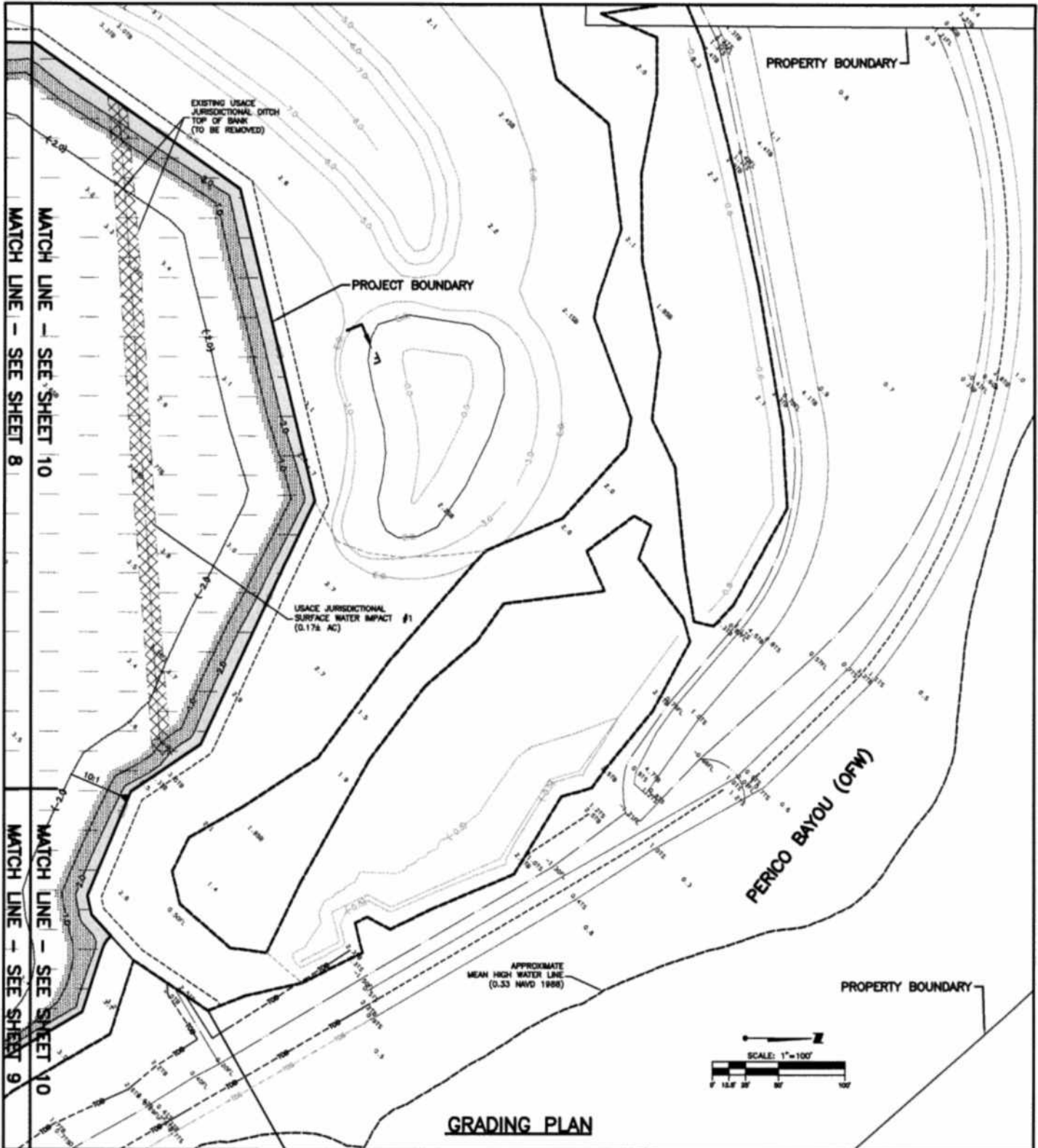
PROJECT: THE ROOKERY AT PERICO PRESERVE
 CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



1777 Tamiami Trail, Suite 206, Port Charlotte, FL 33948
 Phone 941-255-0655 • Fax 941-255-1755

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| | | |
|--|-------------------|------------------------------|
| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | | DATE: MAY 2012 |
| SCALE: 1" = 100' | | |
| SEC: 22, 26, 27 | TWP: 34S | RGE: 16E |
| PROJECT NO. 215510397 220 | | INDEX NO. A-215510397-003009 |
| DRWN BY/EMP NO. ATO/89520 | SHEET NO. 9 OF 14 | |



GRADING PLAN

PROJECT: THE ROOKERY AT PERICO PRESERVE

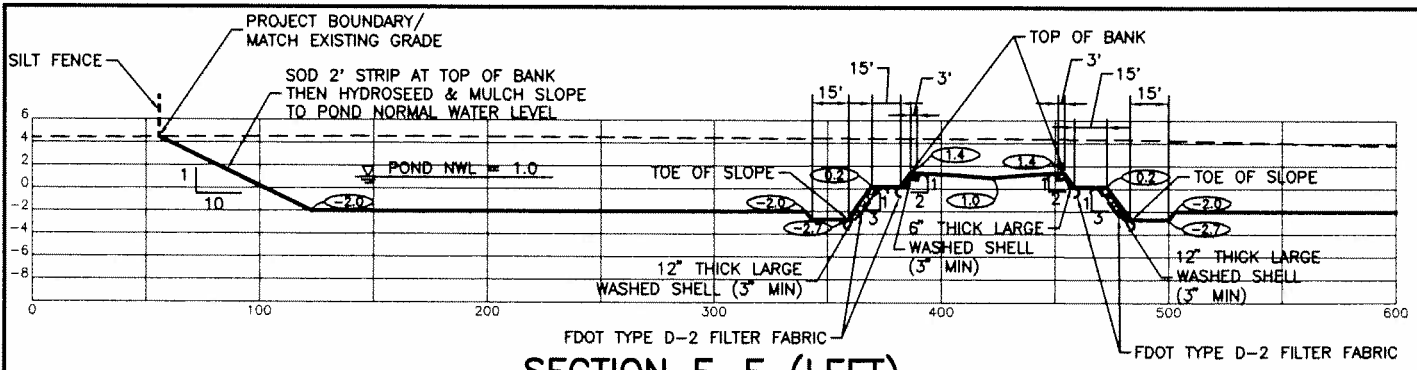
CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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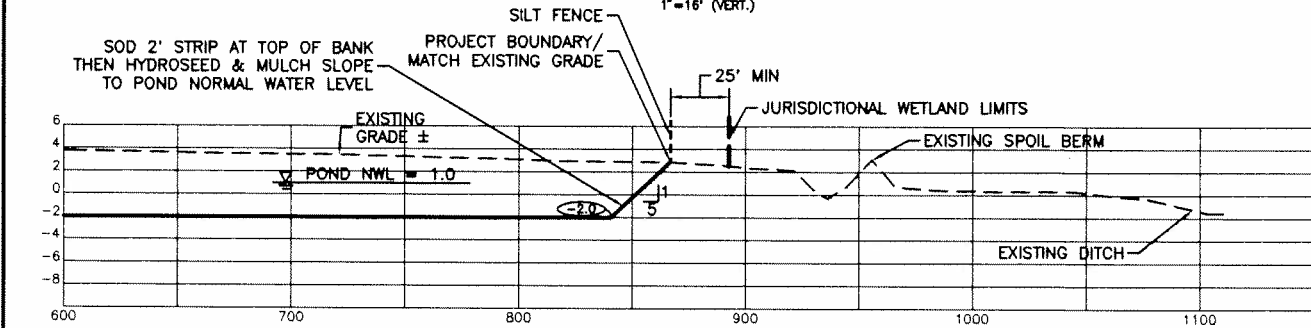
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|--|----------|----------|--------------------|
| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | | | DATE: MAY 2012 |
| SCALE: 1" = 100' | | | REV NO: |
| SEC: 22, 26, 27 | TWP: 34S | RGE: 16E | INDEX NO: |
| PROJECT NO. 215510397 220 | | | A-215510397-003010 |
| DRWN BY/EMP NO. ATO/89520 | | | SHEET NO. 10 OF 14 |



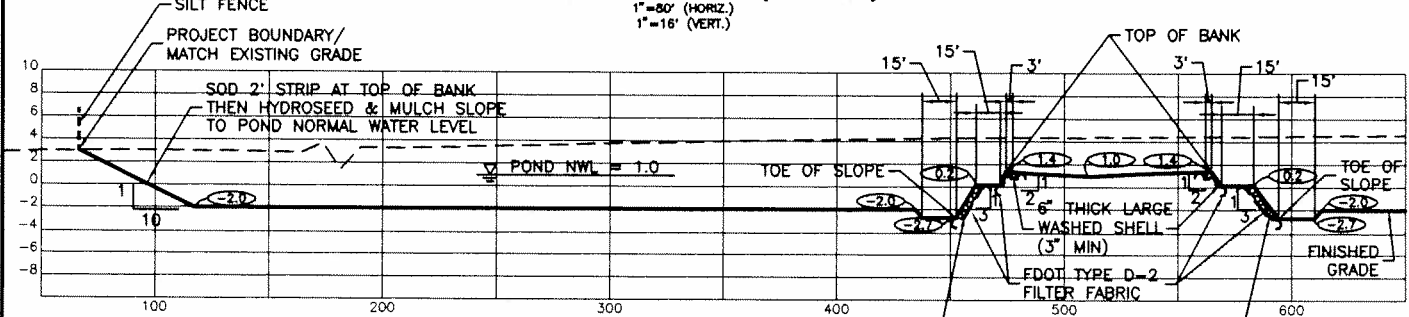
SECTION E-E (LEFT)

1"=80' (HORIZ.)
1"=16' (VERT.)



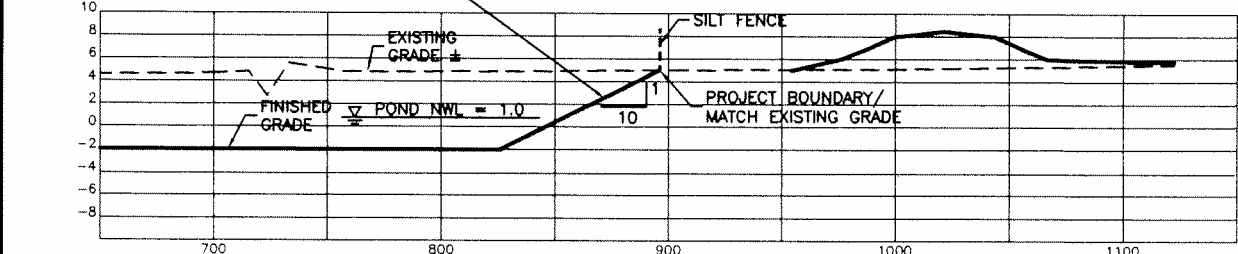
SECTION E-E (RIGHT)

1"=80' (HORIZ.)
1"=16' (VERT.)



SECTION F-F (LEFT)

1"=80' (HORIZ.)
1"=16' (VERT.)



SECTION F-F (RIGHT)

1"=80' (HORIZ.)
1"=16' (VERT.)

GRADING CROSS-SECTIONS

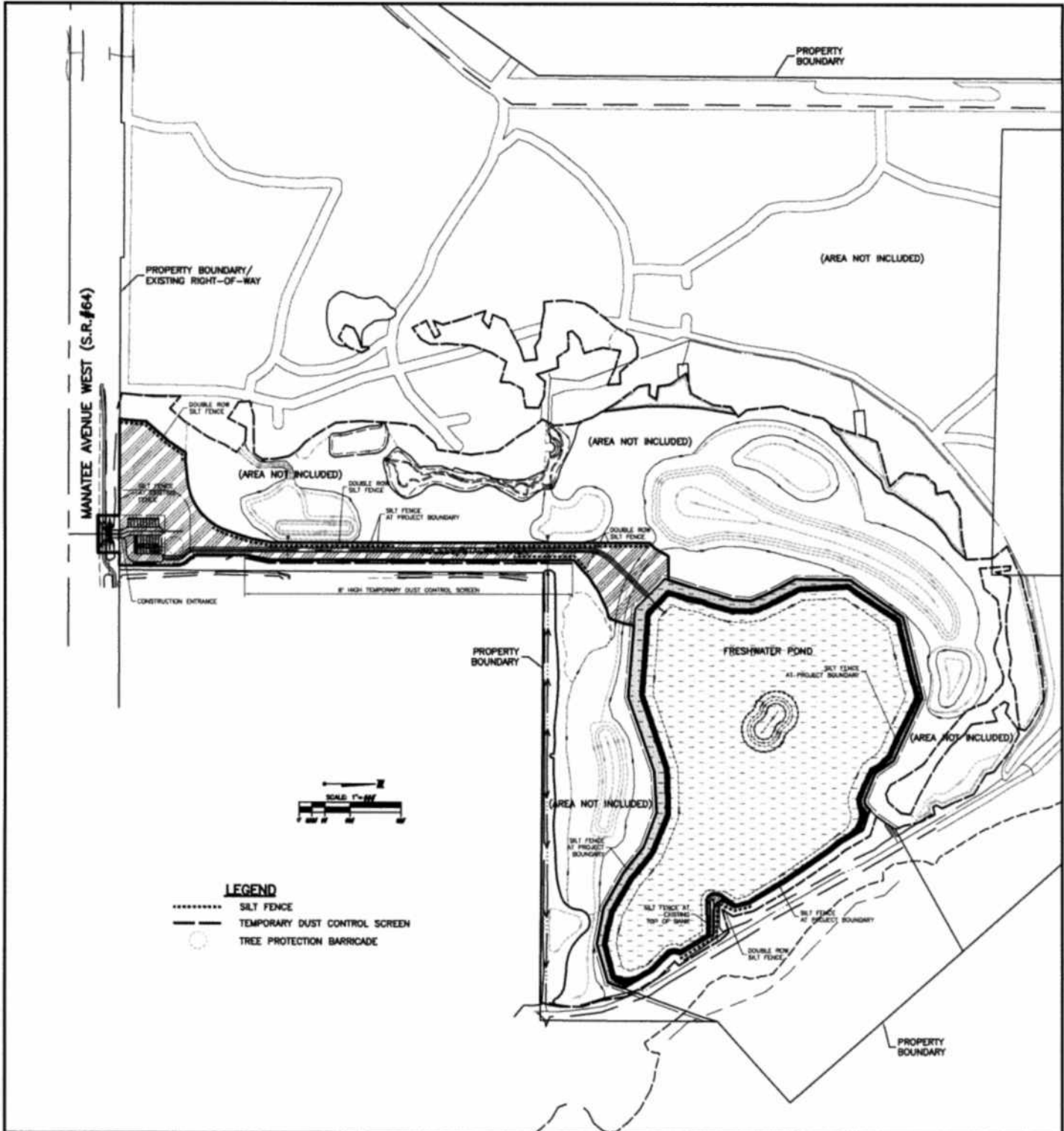
PROJECT: THE ROOKERY AT PERICO PRESERVE
CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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| | |
|--|------------------------------|
| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | |
| SCALE: AS SHOWN | DATE: MAY 2012 |
| SEC: 22,26,27 | TWP: 34S |
| PROJECT NO. 215510397 220 | INDEX NO. A-215510397-003011 |
| DRWN BY/EMP NO. ATO/89520 | SHEET NO. 11 OF 14 |



BEST MANAGEMENT PRACTICES PLAN

PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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R. QUINCE SELLERS, P.E.
 FLORIDA LICENSE NO. 49374

SCALE: N/A DATE: MAY 2012

SEC: 22,26,27 TWP: 34S RGE: 16E

PROJECT NO. 215510397 210

DRWN BY/EMP NO. ATO/89520

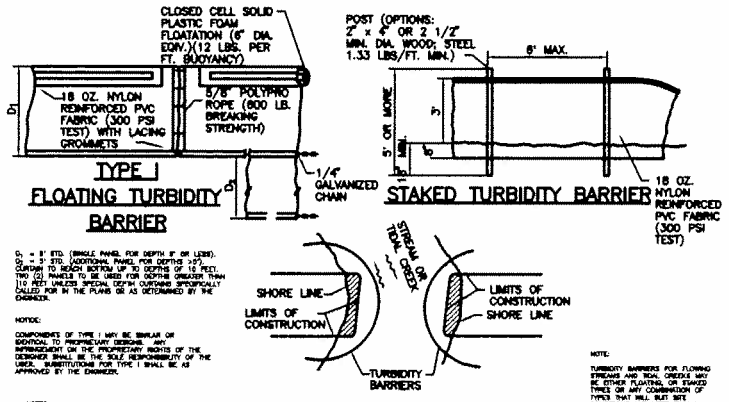
REV NO.

INDEX NO. A-215510397-003012

SHEET NO. 12 OF 14

NOTES:

1. THE CONTRACTOR SHALL ABIDE ALL APPLICABLE CONDITIONS OF THE REGULATORY AGENCY PERMITS AND HAVE COPIES OF THE PERMITS ON SITE. IF IT IS NECESSARY FOR GROUNDWATER DETERMINING TO DISCHARGE OFFSITE, THEN THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR OBTAINING AND/OR MODIFYING ALL APPLICABLE PERMITTING FOR THE DISCHARGE OF GROUNDWATER DETERMINING AND FOR COMPLYING WITH ALL SPM/PM10 AND FDEP PERMITTING CONDITIONS.
2. THE CONTRACTOR SHALL STAGE CONSTRUCTION IN PHASES WHENEVER POSSIBLE TO MINIMIZE SOIL LOSS AND CONTROL EROSION.
3. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED AS REQUIRED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SHALL BE COVERED WITH A TARP/AULIN.
4. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT AND SHALL USE WATER, STRAW MULCH, OR OTHER SUITABLE MATERIAL AS REQUIRED.
5. AT A MINIMUM, SILT FENCES, OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDESLOPE AND DOWNSLOPE BOUNDARIES OF THE CONSTRUCTION AREA.
6. ALL CONSTRUCTION DETERMINING (IF NECESSARY) SHALL BE CONTAINED ONSITE AND ALLOWED TO INFILTRATE THE SOIL UNLESS FDEP PERMITTING IS OBTAINED FOR OFFSITE DISCHARGE. ALL DETERMINING GROUNDWATER DISCHARGE SHALL BE ROUTED THROUGH A TEMPORARY SEDIMENT SUMP PRIOR TO DISCHARGE TO WETLANDS, OTHER SURFACE WATER, OR OFFSITE. THE GENERAL PROCESS OF THE DETERMINING SYSTEM, AS DEPICTED HEREIN, SHALL BE ADHERED TO DURING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL APPLICABLE APPROVALS FOR ANY MODIFICATIONS HE PROPOSES.
7. THE DETERMINING SYSTEM SHALL USE A PUMP AND PIPING THAT IS LESS THAN 6 INCHES IN DIAMETER AND OPERATE LESS THAN A TOTAL OF SIX MONTHS. ANY DEVIATION FROM THIS REQUIREMENT SHALL REQUIRE A WATER USE PERMIT. THE COST OF A WATER USE PERMIT AND ASSOCIATED MATERIALS SHALL BE BORNE BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL ERECT SILT FENCE, STAKED BALES, STAKED TURBIDITY BARRIERS, AND FLOATING TURBIDITY BARRIERS PRIOR TO COMMENCEMENT OF EXCAVATION/GRADING ACTIVITY.
9. REQUIRED EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND MAINTAINED AS REQUIRED THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.
10. ALL EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR IN COMPLIANCE WITH SPM/PM10, MANATEE COUNTY, AND FDEP PERMIT REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL DEVICES WEEKLY AND WITHIN 4 HOURS AFTER EACH RAINFALL EVENT OF 0.5 INCHES OR MORE. ALL MAINTENANCE SHALL BE PERFORMED WITHIN 24 HOURS OF INSPECTION.
11. ALL PRACTICABLE AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, WETLANDS, AND OFFSITE AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
12. EROSION AND SEDIMENT CONTROL DEVICES (SILT FENCE, TURBIDITY BARRIERS, ETC.) ARE DEPICTED IN APPROXIMATE LOCATIONS AND SHALL BE ADJUSTED AS NECESSARY WITH THE DIRECTION OF THE PROJECT ECOLOGIST.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL DEVICES AT THE COMPLETION OF THE PROJECT.
14. DETERMINING SEDIMENT SUMP SHALL BE CONSTRUCTED PER DETAIL. DISCHARGE SHALL BE THROUGH A MINIMUM 100' VEGETATED AREA.



TURBIDITY BARRIER APPLICATIONS
TURBIDITY BARRIERS
 N.T.S.

NOTE: TURBIDITY BARRIERS FOR FLOATING TURBIDITY AND STAKED TURBIDITY BARRIERS MAY BE EITHER FLOATING OR STAKED TYPES OR ANY COMBINATION OF TYPES THAT WILL SILENTLY CONTROL AND MAINTAIN QUALITY OF THE WATER.

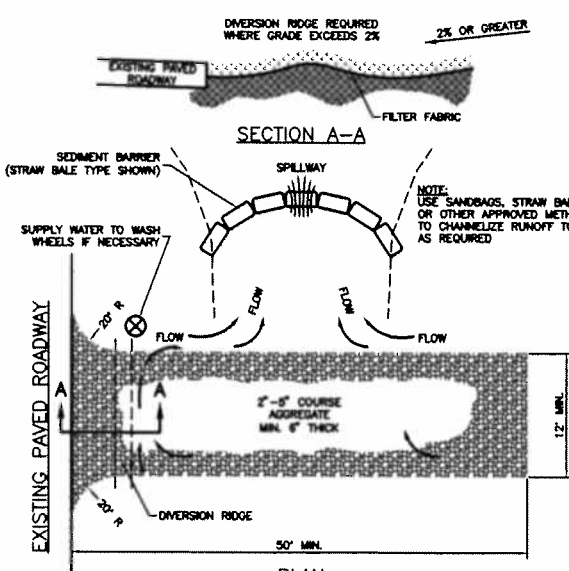
NOTE: COMPONENTS OF TYPE I MAY BE SIMILAR OR IDENTICAL TO PREVIOUS EDITIONS. ANY IMPROVEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY THE DESIGNER.

NOTE: TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.

NOTE: BARRIERS AND SPACING OF BARRIERS DEPEND ON WATER VELOCITY.

NOTE: DEPLOYMENT OF BARRIERS AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.

NOTE: HAULING MAY REQUIRE IDENTIFYING NUMBER DURING CONSTRUCTION OPERATIONS.

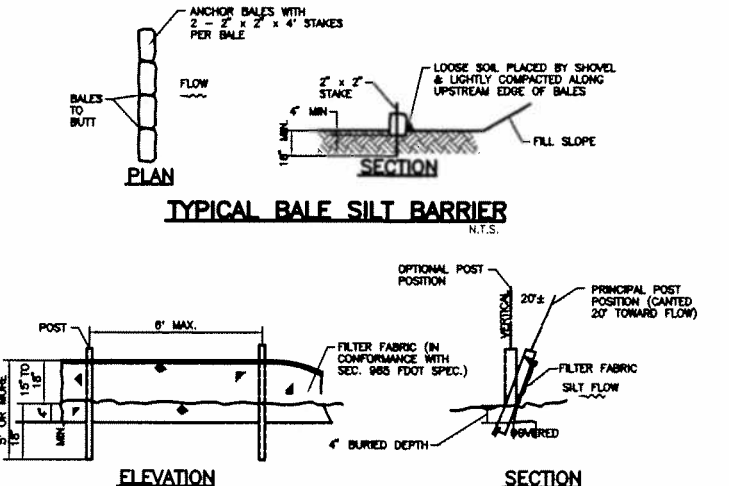


TEMPORARY CONSTRUCTION ENTRANCE DETAIL
 N.T.S.

NOTE: 1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

NOTE: 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

NOTE: 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



TYPICAL SILT FENCE
 N.T.S.

NOTE: TURBIDITY BARRIERS FOR FLOATING TURBIDITY AND STAKED TURBIDITY BARRIERS MAY BE EITHER FLOATING OR STAKED TYPES OR ANY COMBINATION OF TYPES THAT WILL SILENTLY CONTROL AND MAINTAIN QUALITY OF THE WATER.

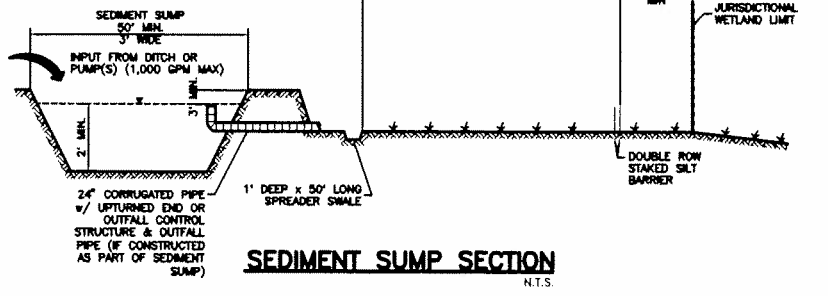
NOTE: COMPONENTS OF TYPE I MAY BE SIMILAR OR IDENTICAL TO PREVIOUS EDITIONS. ANY IMPROVEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY THE DESIGNER.

NOTE: TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.

NOTE: BARRIERS AND SPACING OF BARRIERS DEPEND ON WATER VELOCITY.

NOTE: DEPLOYMENT OF BARRIERS AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.

NOTE: HAULING MAY REQUIRE IDENTIFYING NUMBER DURING CONSTRUCTION OPERATIONS.



SEDIMENT SUMP SECTION
 N.T.S.

BEST MANAGEMENT PRACTICES DETAILS

PROJECT: THE ROOKERY AT PERICO PRESERVE
 CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



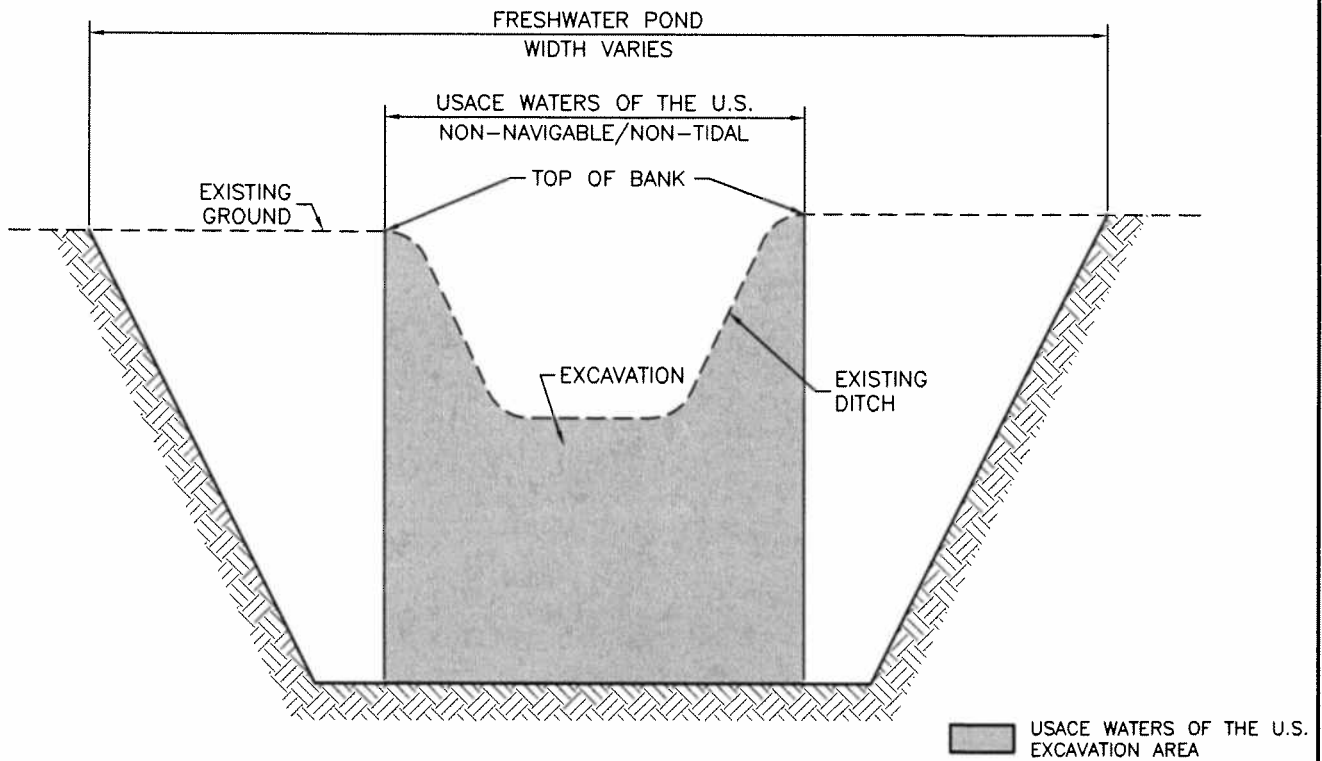
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| R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 | |
| SCALE: N/A | DATE: MAY 2012 |
| SEC: 22,26,27 | TWP: 34S RGE: 16E |
| PROJECT NO: 215510397 210 | INDEX NO: A-215510397-003013 |
| DRWN BY/EMP NO: ATO/89520 | SHEET NO: 13 OF 14 |

USACE WATERS OF THE U.S. IMPACTS

| | |
|-------------------------|----------|
| TOTAL EXCAVATION AREA | 0.56 AC |
| TOTAL EXCAVATION VOLUME | 5,450 CY |



TYPICAL EXCAVATION SECTION
N.T.S.

PROJECT: THE ROOKERY AT PERICO PRESERVE

CLIENT: BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL



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SCALE: N/A DATE: MAY 2012

SEC: 22,26,27 TWP: 34S RGE: 16E

PROJECT NO. 215510397 210

DRWN BY/EMP NO. ATO/89520

REV NO:

INDEX NO: A-215510397-003014

SHEET NO: 14 OF 14