

# DEPARTMENT OF THE ARMY PERMIT

**Permittee:** FLORIDA INLAND NAVIGATION DISTRICT  
1314 Marcinski Road  
Jupiter, Florida 33477

**Permit No:** SAJ-2009-03523 (SP-SLR)

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

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

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

**Project Description:** The permittee is authorized to deepen the Intracoastal Waterway (ICWW) channel to accommodate larger vessels by dredging along a 14,400 linear foot distance (43.61 acres) (282,491 cubic yards) to a depth of -15 feet MLW and 2 feet of overdredge in order to create a uniform depth throughout the ICWW channel. The work described above is to be completed in accordance with the 25 pages of drawings affixed at the end of this permit instrument.

**Project Location:** The project is located in the Intracoastal Waterway, beginning at the channel between Intracoastal Drive and Bayshore Drive and ending just south of the 17th Street Bridge, Ft. Lauderdale (Section 25, Township 50 South, Range 42 East), in Broward County.

**Directions to site:** From Interstate 95 exit at Broward Boulevard and head east to U.S. 1 Highway. Turn right and head south to SE 17<sup>th</sup> Street. Turn left onto SE 17<sup>th</sup> Street. The bridge marks the northern end of the proposed project.

<b><u>Approximate Central Coordinates:</u></b>	Beginning	Latitude 26°7'47.58"
		Longitude -80° 6' 35.64"
	Ending	Latitude 26°6'0.94"
		Longitude -80° 7'6.74"

**Permit Conditions**

**General Conditions:**

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1. The time limit for completing the work authorized ends on 22 Jan 2019. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions:**

**1. Reporting Address:** All reports, documentation, and correspondence required by the conditions of this permit shall be submitted to the U.S. Army Corps of Engineers, Mr. Jose Rivera, Regulatory Division, Enforcement Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410. The Permittee shall reference this permit, SAJ 2009-03523 (SP-SLR) on all submittals.

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

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3. The Permittee shall conduct a pre-dredging meeting prior to the commencement of dredging operations in order to notify in-house staff, vessel operators, field crews, contractors, subcontractors, and all persons involved in the dredging of the conditions of this permit. The Permittee shall inform staff members and contractors of the characteristics and location of adjacent seagrass beds to be avoided as shown on the attached permit drawings. Complete copies of the permit shall be displayed at the project site.
4. All watercraft associated with the construction operations shall only operate in waters with depths sufficient to preclude propeller scouring and grounding.
5. Real-time Global Positioning Satellite tracking systems will also be used on all vessels, to monitor positions.
6. The Permittee shall establish a distance of no less than 10.0 feet between the authorized dredging activities and all submerged aquatic vegetation and/or any special aquatic site. The permittee shall not perform any construction work, dredging, vessel mooring, spudding or perform any other activities that may directly or indirectly affect any special aquatic site. No impacts to mangroves, seagrasses, or other special aquatic resource including hardbottom are authorized by this permit.
7. The permittee shall conduct a baseline report of the submerged aquatic resources within 30 days prior to the dredging and a follow-up report 30 days after the dredging has been completed to ensure that there have been no impacts to the submerged aquatic resources. If it has been determined that any aquatic resources have been affected by the dredging, mitigation will be required of the permittee to offset that loss of aquatic resource function and value.
8. The Permittee proposes to mechanically dredge the IWW to a depth of -15 feet MLW, with up to a 2 foot overdredge (-17 feet MLW). No blasting is permitted.
9. Dredge spoil will be placed on a barge for transportation to and offloaded on county property at Port Everglades and transported to an upland containment site. The Permittee will follow Broward County's SITE OPERATIONAL AND MANAGEMENT PLAN, for the dewatering of the spoil material.
10. Dredging shall be limited to daylight hours.
11. Prior to the initiation of any of the work authorized by this permit the Permittee shall install floating turbidity barriers with weighted skirts that extend to within one foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed.

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12. All construction staging areas will be in uplands, located at the designated area within Port Everglades.

13. **Manatee Conditions:** The Permittee shall comply with the following protection measures:

a. The Standard Manatee Construction Conditions for In-Water Work (2011) shall be followed for all in-water activity.

b. The permittee has not proposed blasting for this project. If in the future, the permittee determines the need for blasting and changes the proposed project construction methodology to incorporate blasting, a modification of the permit will be required in order to address fish and wildlife issues.

c. Observers shall be designated as dedicated marine mammal observers during in-water work. The observers shall have experience in dredge activity marine mammal observation and be equipped with polarized sunglasses to aid in observation. The manatee observers must be on site during all in-water construction activities and will advise personnel to cease operation upon sighting a manatee within 50 feet of any in-water construction activity. Movement of a work barge, other associated vessels, or any in-water work shall not be performed after sunset, when the possibility of spotting manatees is negligible.

d. Prior to commencement of work, the permittee shall ensure that the contractor submit the names and contact information for all observers to the FWC at [ImperiledSpecies@myfwc.com](mailto:ImperiledSpecies@myfwc.com). The permittee shall also ensure that the contractor maintains a log detailing sightings, collisions, or injuries to manatees should they occur during the contract period. Within 30 days following project completion, the logs and a report summarizing incidents and sightings shall be submitted to the FWC, Imperiled Species Management Section at: [ImperiledSpecies@myfwc.com](mailto:ImperiledSpecies@myfwc.com).

e. Dredging shall begin at the south end of the project area, in order to avoid this area during the winter season (November 15-March 31).

14. **Sea Turtle and Smalltooth Sawfish Conditions:** The Permittee shall comply with National Marine Fisheries Service's "*Sea Turtle and Smalltooth Sawfish Construction Conditions*" dated March 23, 2006 and provided as an attachment of this permit.

15. **Seagrass monitoring:** The survey area for seagrass monitoring shall include both sides of the Intracoastal Waterway channel from the southern end of the project area to the north end of the project:

a. a pre-construction seagrass survey is required. A new survey will be required between 01 June and 30 September prior to any dredging if the project commences in this timeframe. Prior surveys may be used as the baseline survey if the dredging commences outside of the 01 June and 30 September timeframe.

b. Within 30-days of completion of work, the Permittee shall conduct a post-dredging survey of the survey area within 30 days of completion of the dredging.



c. Post-dredging survey reports shall be submitted to the Corps within 30 days of completion of the survey and shall document any damage to the seagrasses caused by project activities by comparing the post-dredge survey to the pre-dredge survey.

d. Subsequent annual surveys shall be conducted for the survey area for 2 years (totaling 3 post-dredge surveys).

e. If it has been determined that any aquatic resources have been affected by the dredging, mitigation will be required of the permittee to offset that loss of aquatic resource function and value.

f. The Permittee will utilize free swimming divers to survey the SAV.

g. The Permittee will establish a series of shore-perpendicular transects at 25-meter intervals

**17. As-Built:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and a completed As-Built Certification Form (Attachment 3) to the Corps. The drawings shall be signed and sealed by a Florida registered professional engineer or a professional land surveyor registered in the state of Florida and include the following:

a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawings shall include: (1) depth of water (at mean low water) throughout the project area, and (2) the distance from the waterward end to the near bottom edge of the channel and the surrounding submerged aquatic resources.

b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

c. The Department of the Army Permit number.

d. Include pre- and post-construction aerial photographs of the project site, if available.

**18. Regulatory Agency Changes:** Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the RD-SP Regulatory Office, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410 (SAJ-2009-03523(SP-SLR)).

**Further Information:**

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

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

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

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

2. Limits of this authorization.

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

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

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

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

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

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

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

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

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

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

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

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

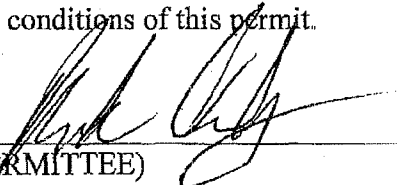
- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

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

6. **Extensions:** General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

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

  
(PERMITTEE)

12/12/13  
(DATE)

MARK CROSLY  
(PERMITTEE NAME-PRINTED)

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



22 Jan 2014

for

(DISTRICT ENGINEER)  
Alan M. Dodd,  
Colonel, U.S. Army  
District Commander

(DATE)

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PERMITTEE: Florida Inland Navigation District  
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When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFEREE-SIGNATURE)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(ADDRESS)

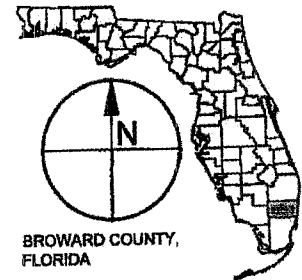
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(CITY, STATE, AND ZIP CODE)

PERMIT NUMBER: SAJ-2009-03523 (SP-SLR)  
PERMITTEE: Florida Inland Navigation District  
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*Attachments to Department of the Army  
Permit Number SAJ-2009-03523(SP-SLR)*

1. PERMIT DRAWINGS: 25 pages, dated September 30, 2013
2. WATER QUALITY CERTIFICATION: Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 2 of this DA permit.
3. MANATEE CONDITIONS: 2 pages, *Standard Manatee Conditions for In-Water Work – 2011*
4. SEA TURTLE – SAWFISH CONDITIONS: 1 page, *Sea Turtle and Smalltooth Sawfish Construction Conditions, revised March 23, 2006*
5. AS-BUILT CERTIFICATION FORM: 2 pages

# Exhibit 1 Project Drawings and Design Specifications



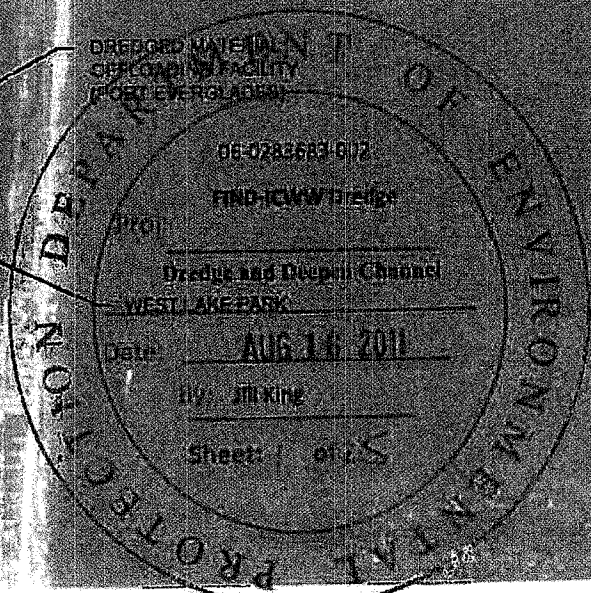
RECEIVED  
AUG 01 2011  
FL DEP  
WEST PALM BEACH

PROJECT LOCATION (ICWW CHANNEL)  
TOWNSHIP 01 SOUTH  
RANGE 42 EAST  
SECTION 25

ATLANTIC OCEAN

JOHN D. LLOYD PARK

DREDGED MATERIAL  
STORAGE FACILITY  
(PORT EVERGLADES)



0 4,000' 8,000'

SCALE: 1" = 4,000'

AERIAL REFERENCE: LABINS 2004



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4818

FIGURE 1  
LOCATION MAP  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 1 of 25	DATE JULY 2011
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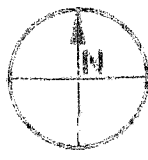
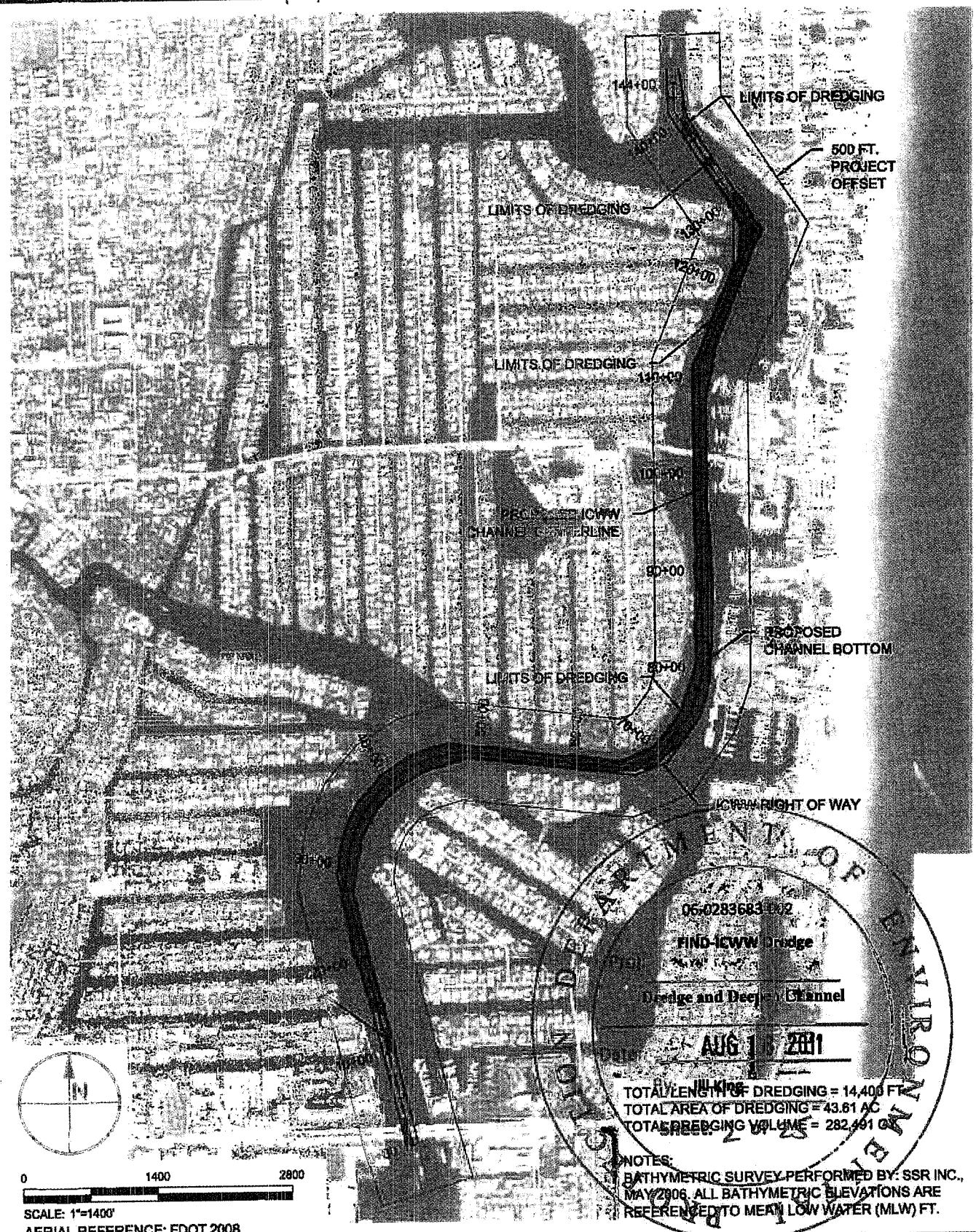
SEAL  
*[Signature]*  
JUL 27 2011  
ROBERT J. WAGNER P.E. # 65085

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

DAILY SHEET: X:\PROJECTS\2005-076-07\BROWARD COUNTY DEEPENING\FIGURE 1-1-PROJECT LOCATION MAP.DWG 7/22/2011 3:26:49 PM



CATHY INELL, JUNIOR PROJECT ENGINEER, 005-076 BROWARD COUNTY DEEPENING PERMIT/ICWW CHANNEL DEEPENING CORP. DREDGING LOCATION/ICWW



0 1400 2800  
SCALE: 1"=1400'  
AERIAL REFERENCE: FDOT 2008

**TAYLOR ENGINEERING INC.**  
10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION #4616

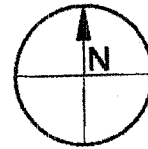
**FIGURE 2**  
PROJECT LOCATION (ICWW CHANNEL)  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-076-07	RLJ/CAS	2 of 25	JULY 2011

SEAL  
*Robert J. Warner*  
**JUL 27 2011**  
ROBERT J. WARNER, P.E., #62025  
DATE

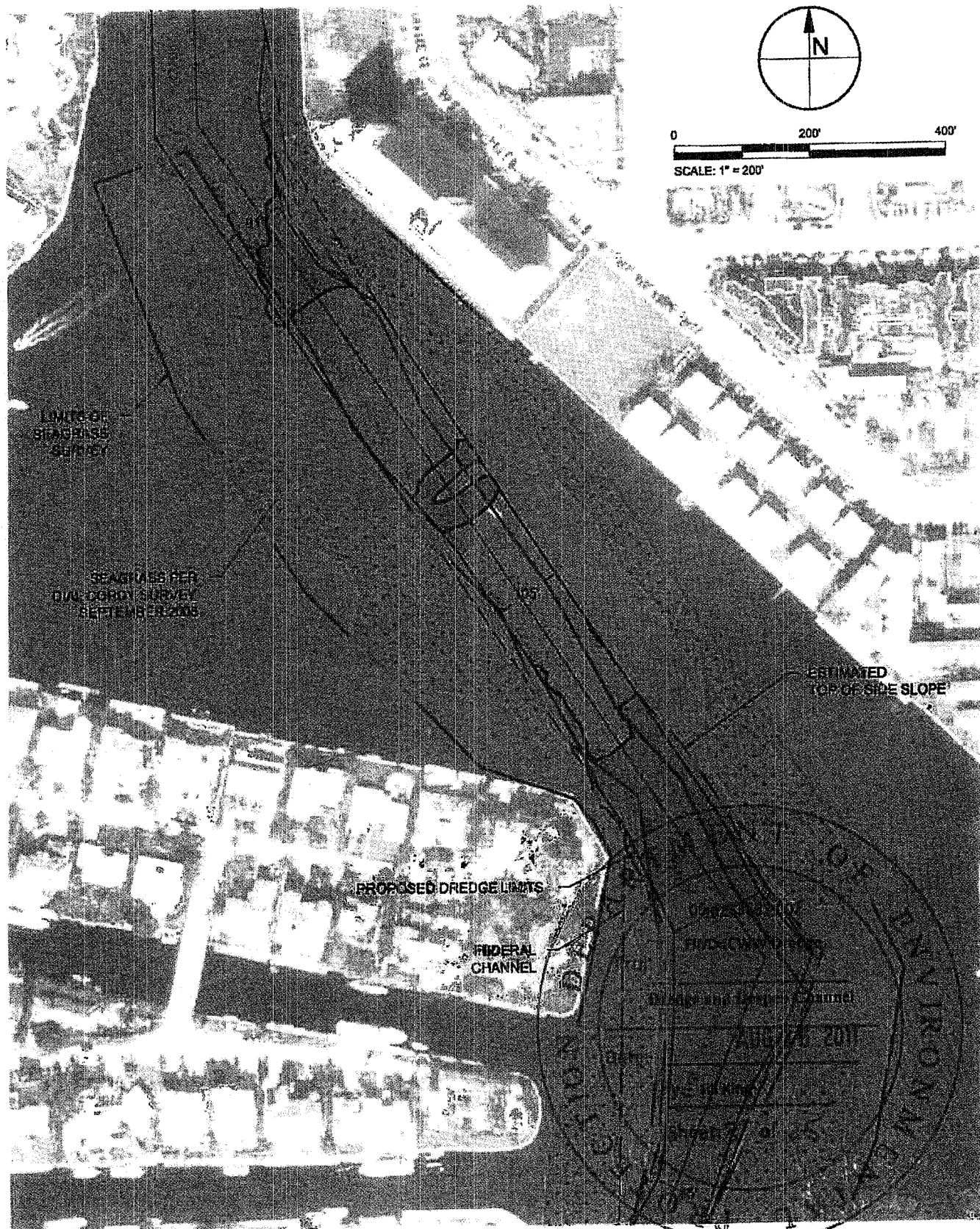
PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.





0 200' 400'

SCALE: 1" = 200'



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

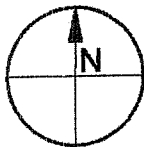
CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE 3  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA**

PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 3 of 25	DATE JULY 2011
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SEAL  
*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER, P.E. # 65025  
DATE

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



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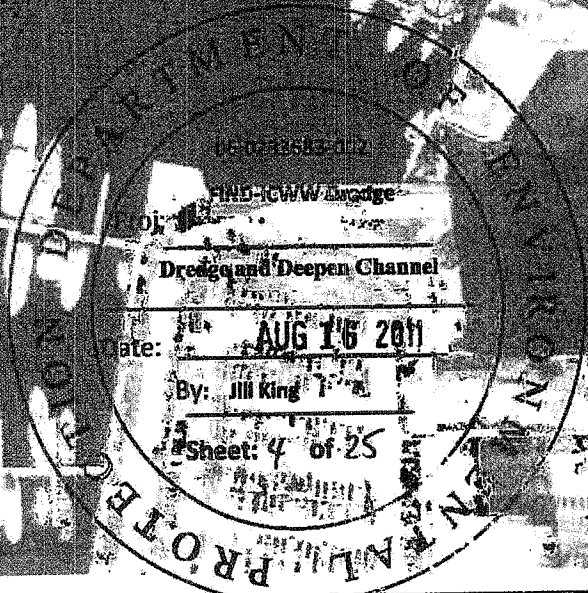
LIMITS OF  
SEAGRASS  
SURVEY

SEAGRASS PER  
DIAL CONDY SURVEY  
SEPTEMBER 2008

PROPOSED DREDGE LIMITS

FEDERAL  
CHANNEL

ESTIMATED  
TOP OF SIDE SLOPE



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4315

FIGURE 4  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

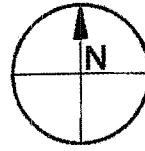
PROJECT	DRAWN BY	SHEET	DATE
C2005-076-07	RLJ/CAS	4 of 25	JULY 2011

SEAL  
*RJD*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 05028

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

CATRY SHELL JUSTIN PRO ELECTRONICS SITE BROWARD COUNTY DEEPENING PROJECT ICWW DEEPENING PROJECT LIMITS OF DISCONTINUING 7/27/2011 5:35:39 PM





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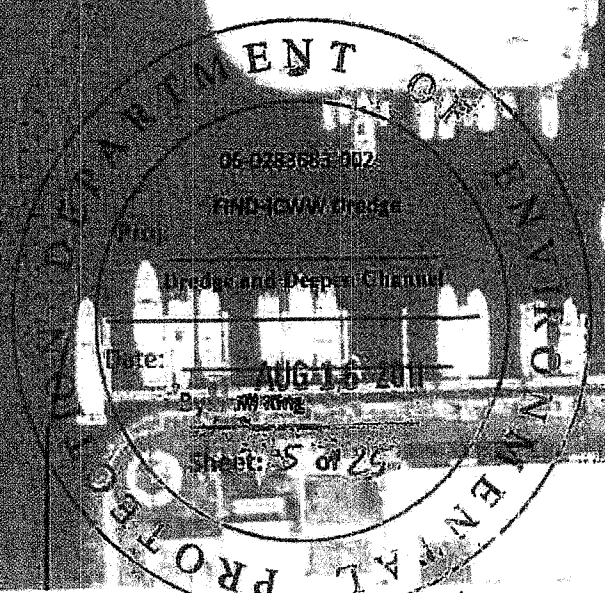
LIMITS OF  
SEAGRASS  
SURVEY

ESTIMATED  
TOP OF SIDE SLOPE

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

FEDERAL  
CHANNEL

PROPOSED DREDGE LIMITS



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

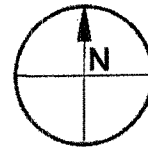
CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE 5**  
**SITE DREDGING PLAN**  
**FIND BROWARD CO. ICVW DEEPENING PROJECT**  
**BROWARD COUNTY, FLORIDA**

PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 5 of 25	DATE JULY 2011
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REAL  
  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 03028  
DATE

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



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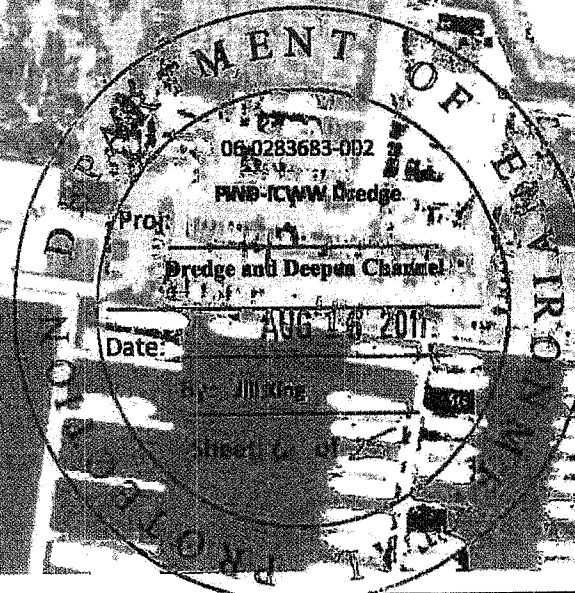
FEDERAL  
CHANNEL

PROPOSED DREDGE LIMITS

ESTIMATED  
TOP OF SIDE SLOPE

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

LIMITS OF  
SEAGRASS  
SURVEY



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE 6**  
**SITE DREDGING PLAN**  
**FIND BROWARD CO. ICWW DEEPENING PROJECT**  
**BROWARD COUNTY, FLORIDA**

PROJECT C2005-078-07	DRAWN BY RLJ/CAS	SHEET 6 of 25	DATE JULY 2011
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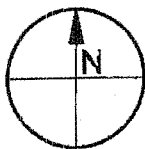
*Robert J. Warner*  
**JUL 27 2011**

ROBERT J. WARNER P.E. # 65028

DATE

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





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SCALE: 1" = 200'

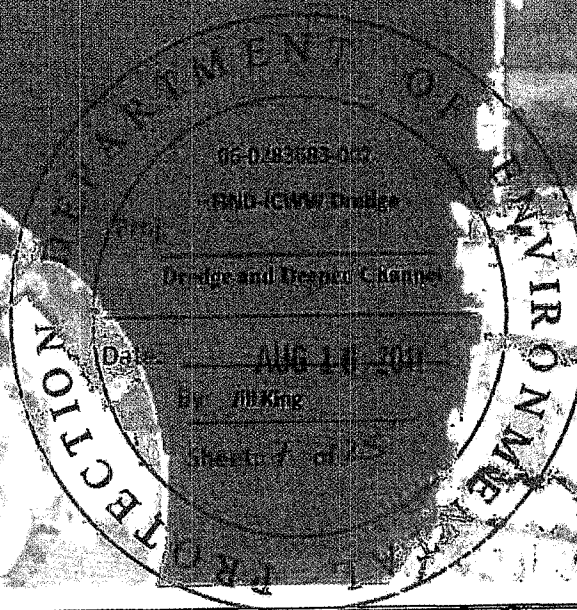
LIMITS OF  
SEAGRASS  
SURVEY

FEDERAL  
CHANNEL

PROPOSED DREDGE LIMITS

ESTIMATED  
TOP OF SIDE SLOPE

SEAGRASS PER  
DIAL GORDY SURVEY  
SEPTEMBER 2001



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4816

FIGURE 7  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-078-07	RLJ/CAS	7 of 25	JULY 2011

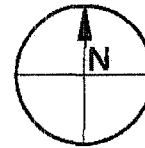
SEAL

*Robert J. Wagner*  
**JUL 27 2011**

ROBERT J. WAGNER P.E. # 6300

DATE

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



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SCALE: 1" = 200'

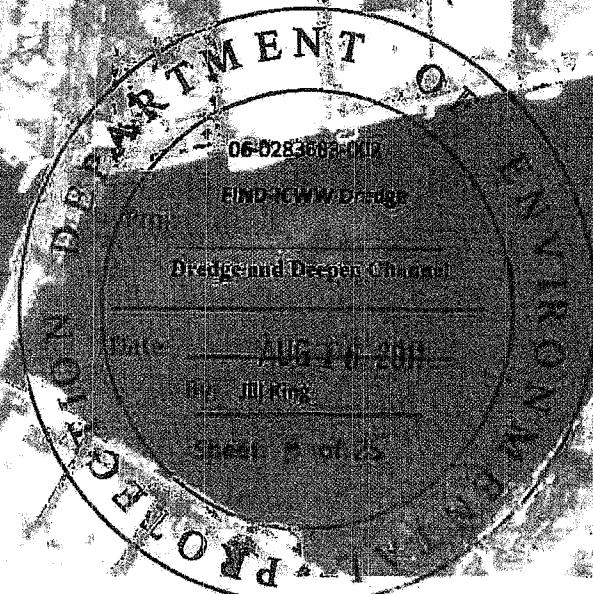
LIMITS OF  
SEAGRASS  
SURVEY

ESTIMATED  
TOP OF SIDE SLOPE

SEAGRASS PER  
BULL CREEK SURVEY  
SEPTEMBER 2008

PROPOSED DREDGE LIMITS

FEDERAL  
CHANNEL



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE 8**  
**SITE DREDGING PLAN**  
**FIND BROWARD CO. ICWW DEEPENING PROJECT**  
**BROWARD COUNTY, FLORIDA**

PROJECT	DRAWN BY	SHEET	DATE
C2006-076-07	RLJ/CAS	8 of 25	JULY 2011

SEAL  
*Robert J. Wagner*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 03228  
DATE

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

7/17/2011 3:45:06 PM

C:\G:\PROJECTS\C2006-076-BROWARD COUNTY DEEPENING\BROWARD COUNTY DEEPENING\DWG\FIGURE 8.DWG





SEARCHED INDEXED  
SERIALIZED FILED  
FBI - NEW YORK  
SEP 15 2008

## UNITS OF SEAGRASS SURVEY

FEDERAL  
CHANNEL

## PROPOSED BRIDGE UNIT

06-0283683-002

## Find It Now Dredge

## Dredge and Deepen Channel

Date:

By: Jim King

Sheet: 4 of 23

ESTIMATED  
WID OF SIDE SLOPE



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

**CERTIFICATE OF AUTHORIZATION #4815**

**FIGURE 9  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA**

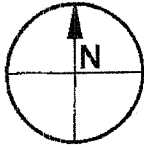
PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 9 of 26	DATE JULY 2011
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1981

ROBERT J. WAGNER P.E. #6302

**DATA**

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



0 200' 400'

SCALE: 1" = 200'

ESTIMATED  
TOP OF SIDE SLOPE

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

PROPOSED DREDGE LIMITS

LIMITS OF  
SEAGRASS  
SURVEY

OS 081153-002 FEDERAL  
CHANNEL  
FIND ICWW CENTER

Bridge and Deepen Channel

AUG 16 2011

10/1/11

THURSDAY, JULY 14, 2011



**TAYLOR ENGINEERING INC.**

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BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION #4815

**FIGURE 10  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA**

PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 10 of 25	DATE JULY 2011
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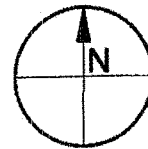
REAL

*Robert J. Wagner*  
**JUL 27 2011**  
ROBERT J. WAGNER, P.E. #63028 DATE

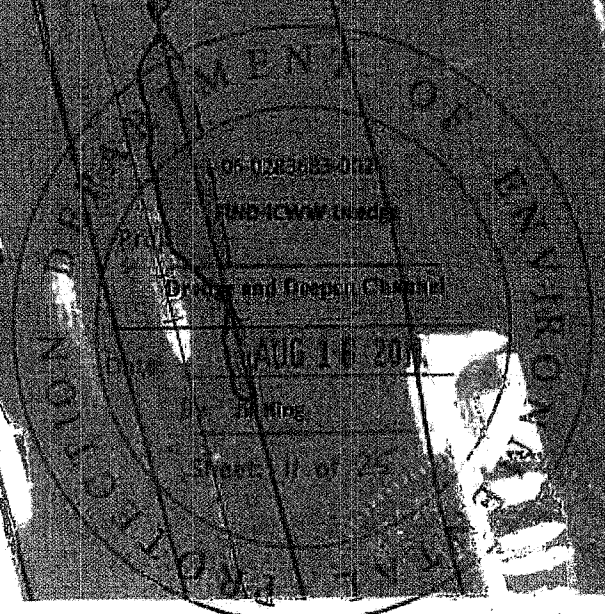
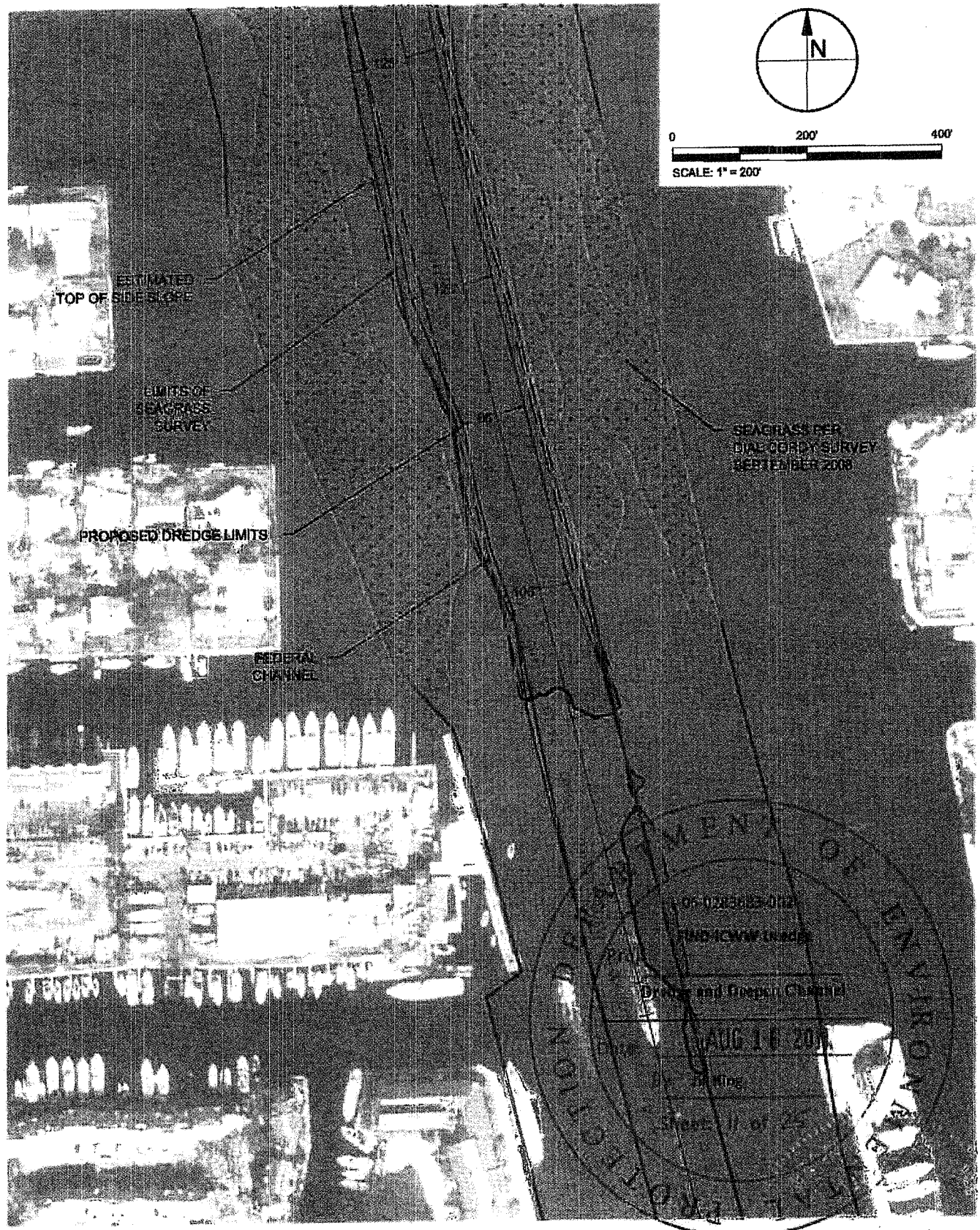
C:\P\BELL\_K\PROJECTS\2005-076 BROWARD COUNTY DEEPENING\FIGURE 10 SITE DREDGING.DWG 7/27/2011 3:42:10 PM

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





0 200' 400'  
SCALE: 1" = 200'



7/27/2011 3:45:11 PM  
C:\PROJECTS\2005-076 BROWARD COUNTY DEEPENING PROJECT\2005-076-1-1 UNITS OF DREDGING.DWG

	<b>TAYLOR ENGINEERING INC.</b>		<b>FIGURE 11</b>		 <b>JUL 27 2011</b>	
	10151 DEERWOOD PARK BLVD.		SITE DREDGING PLAN			<b>ROBERT J. WAGNER P.E. # 03303</b>
	BLDG. 300, SUITE 300		FIND BROWARD CO. ICWW DEEPENING PROJECT			
JACKSONVILLE, FL 32256		BROWARD COUNTY, FLORIDA		DATE		
CERTIFICATE OF AUTHORIZATION # 4815		PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 11 of 25	DATE JULY 2011	

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

LIMITS OF  
SEAGRASS  
SURVEY

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

ESTIMATED  
TOP OF SIDE SLOPE

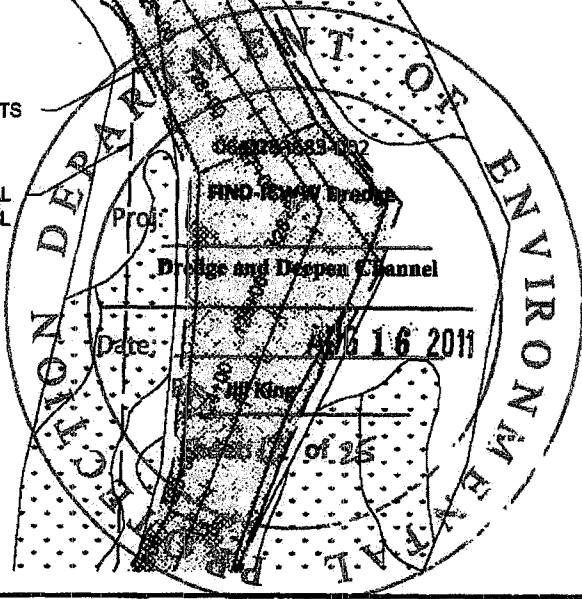
PROPOSED DREDGE LIMITS

FEDERAL  
CHANNEL

FIND BROWARD CO.

Dredge and Deepen Channel

Date: JUL 16 2011



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4816

FIGURE 12  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

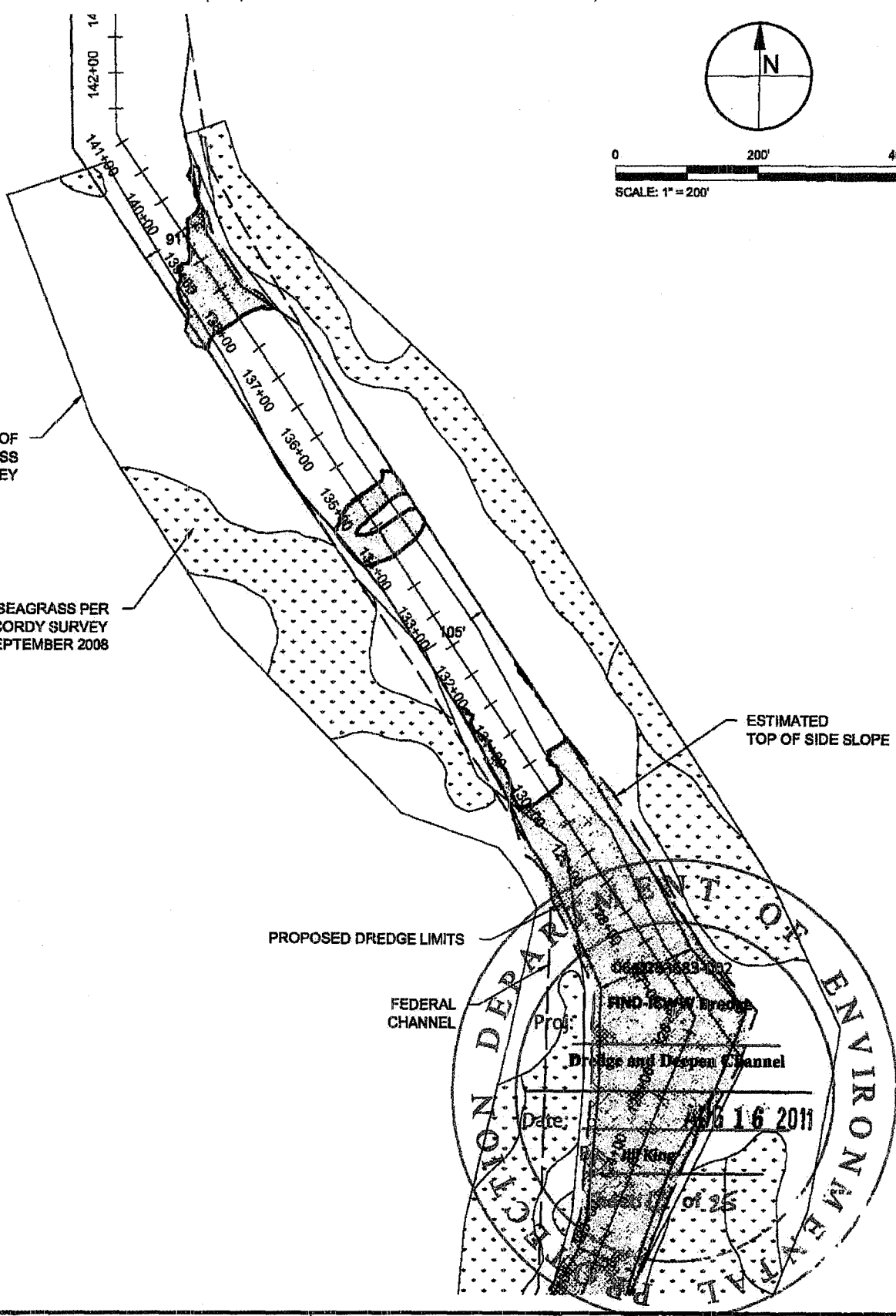
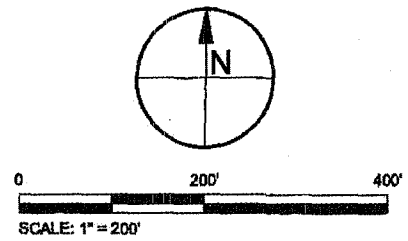
PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 12 of 25	DATE JULY 2011
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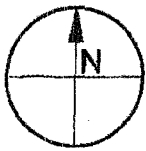
*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 83023

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

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C:\BROWARD\PROJECTS\2005-076-07\BROWARD COUNTY DEEPENING\ICWW\COMBINED\2005-076-07-12.DWG





0 200' 400'  
SCALE: 1" = 200'

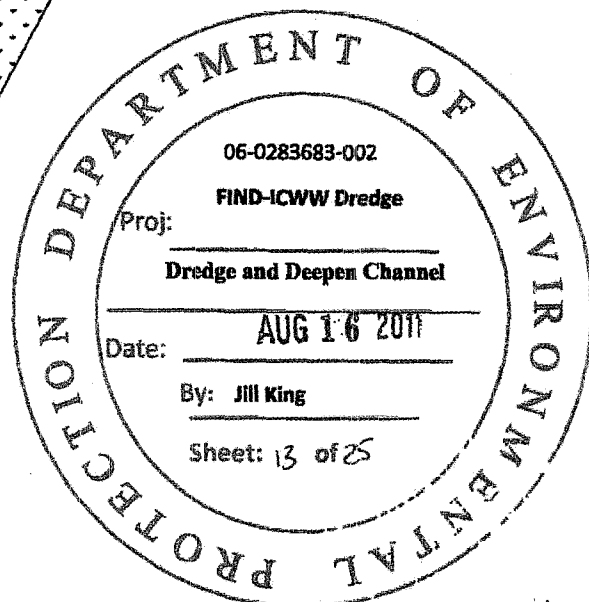
LIMITS OF  
SEAGRASS  
SURVEY

PROPOSED DREDGE LIMITS

FEDERAL  
CHANNEL

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

ESTIMATED  
TOP OF SIDE SLOPE



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4316

FIGURE 13  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-076-07	RLJ/CAS	13 of 25	JULY 2011

SEAL  
*[Signature]*  
**JUL 27 2011**  
ROBERT J. WATNER, P.E. 9 6026

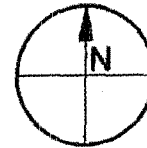
PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

LIMITS OF  
SEAGRASS  
SURVEY

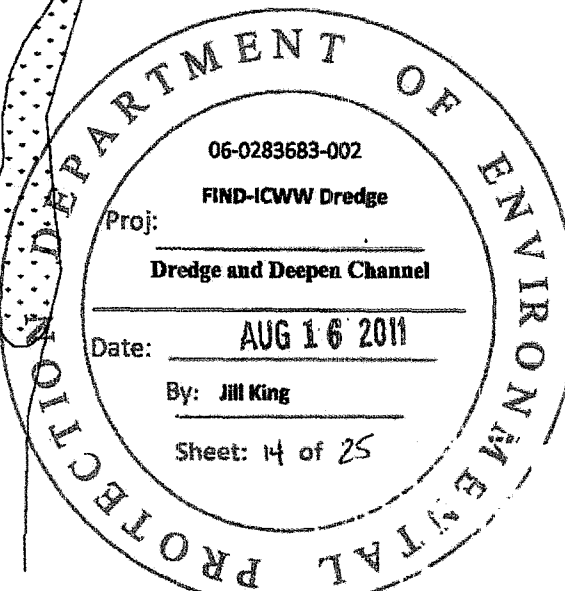
SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

FEDERAL  
CHANNEL  
PROPOSED DREDGE LIMITS

ESTIMATED  
TOP OF SIDE SLOPE



0 200' 400'  
SCALE: 1" = 200'



**TAYLOR ENGINEERING INC.**

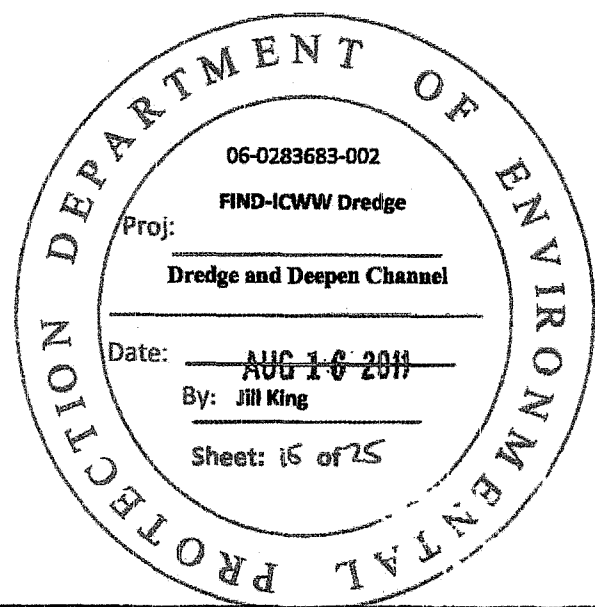
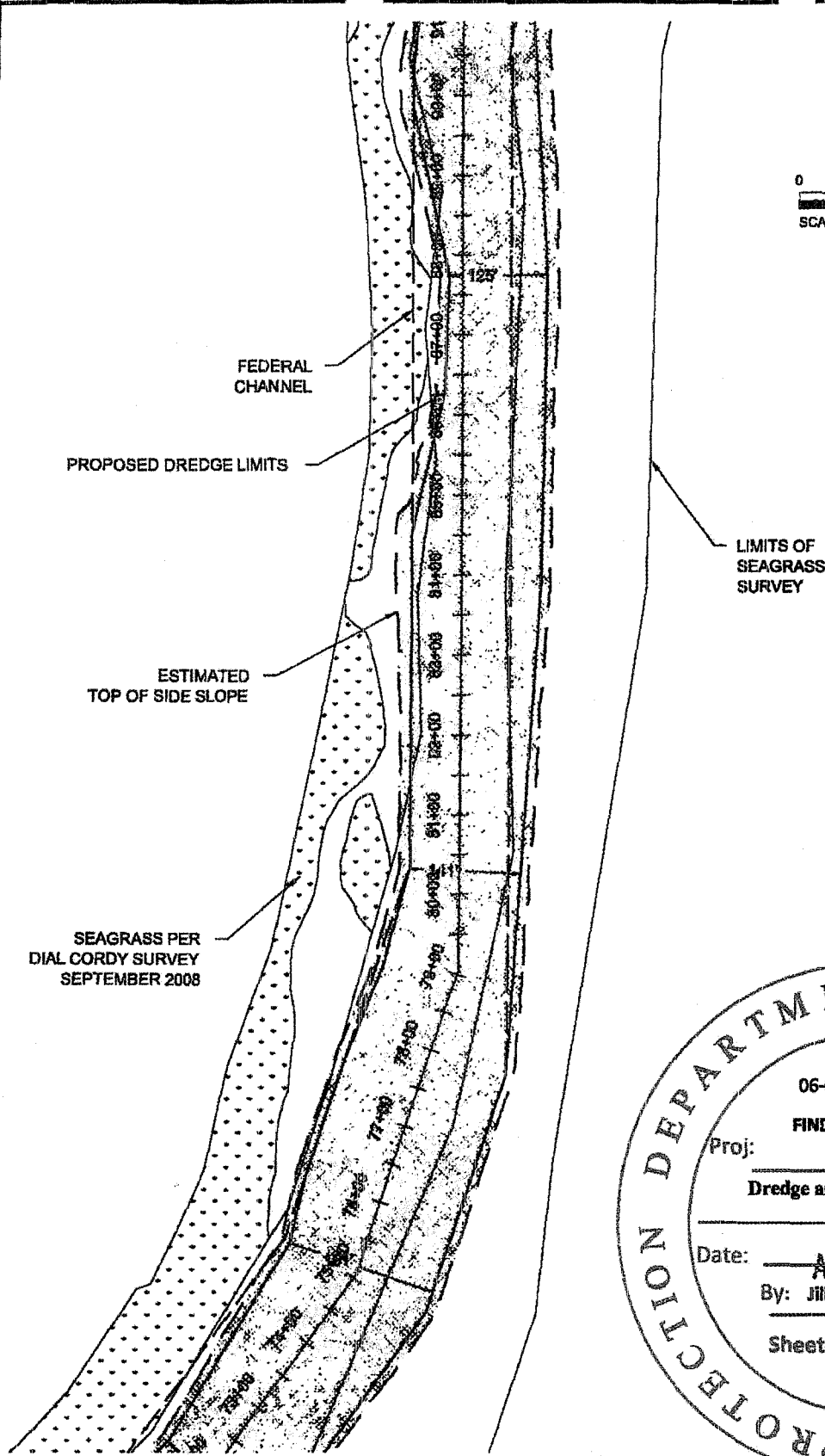
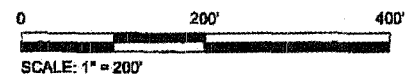
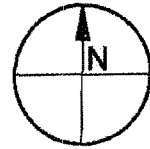
10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 14  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2008-078-07	RLJ/CAS	14 of 25	JULY 2011

*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 12028 DATE

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10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4816

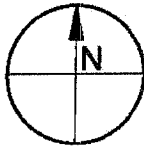
FIGURE 15  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-076-07	RLJ/CAS	15 of 25	JULY 2011

SEAL  
*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER, P.E. # 83020  
DATE

CADW/BSH/LL X:\PROJECTS\2005-076-07\BROWARD COUNTY DEEPENING PROJECT\FIGURE 15 SITE DREDGING PLAN.dwg 7/27/2011 1:40:24 PM

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



0 200' 400'

SCALE: 1" = 200'

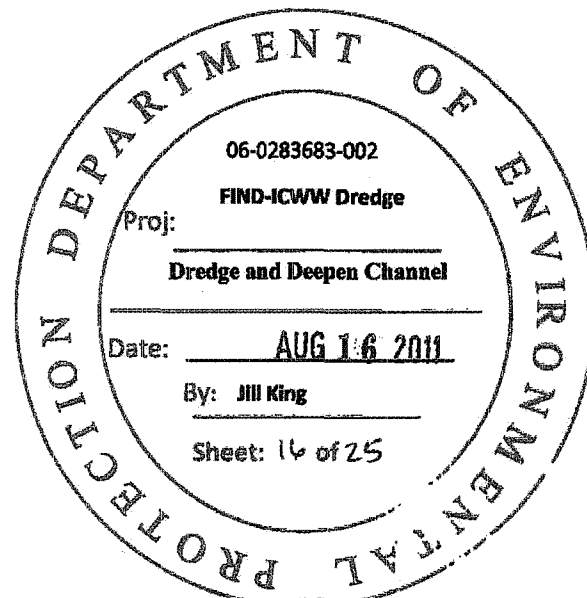
LIMITS OF  
SEAGRASS  
SURVEY

ESTIMATED  
TOP OF SIDE SLOPE

FEDERAL  
CHANNEL

PROPOSED DREDGE LIMITS

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4816

FIGURE 16  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-076-07	RL/CAS	16 of 25	JULY 2011

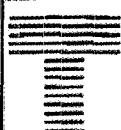
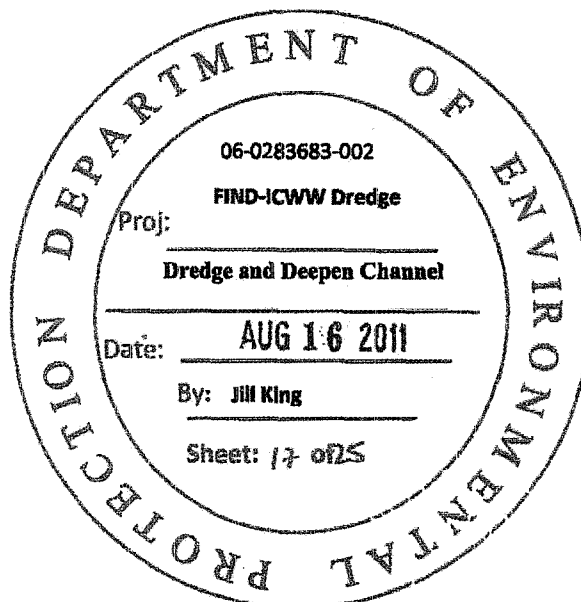
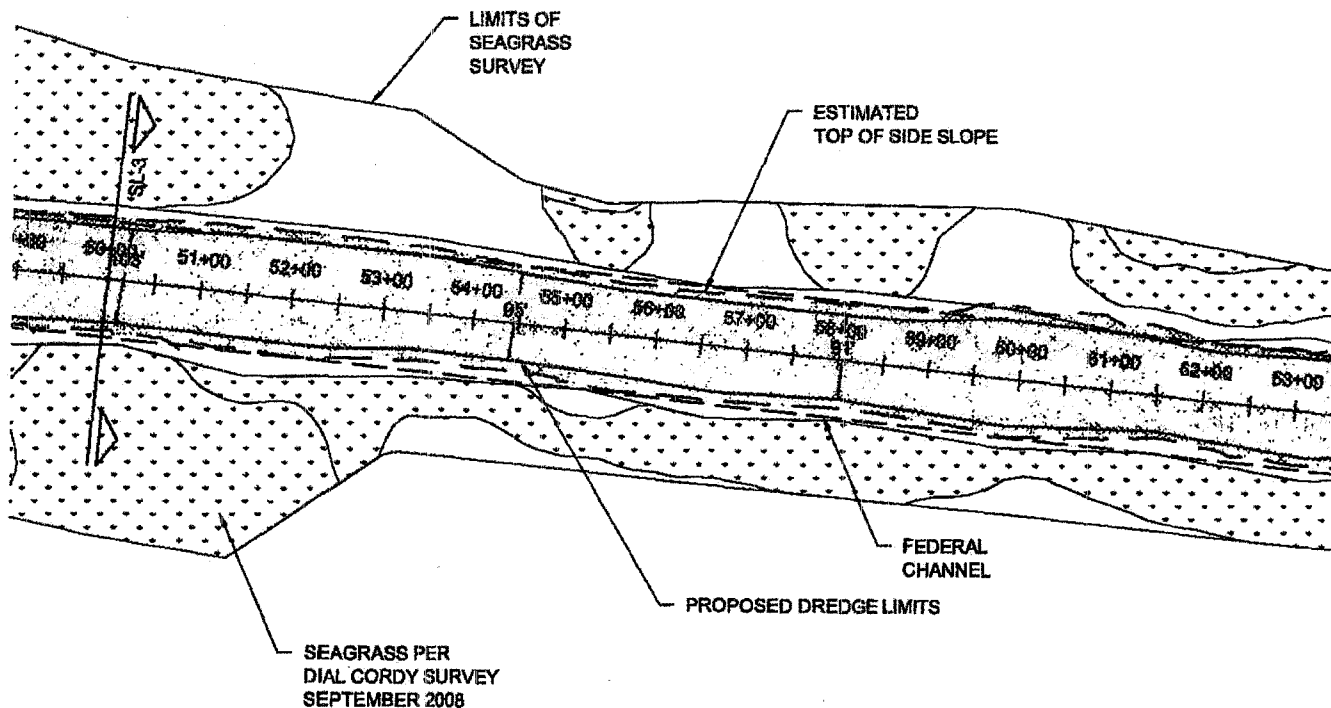
SEAL  
  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 53028  
DATE

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





0 200' 400'  
SCALE: 1" = 200'



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32258  
CERTIFICATE OF AUTHORIZATION # 4816

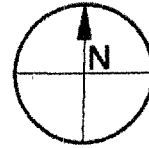
FIGURE 17  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 17 of 25	DATE JULY 2011
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SEAL

*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 50120

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



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SCALE: 1" = 200'

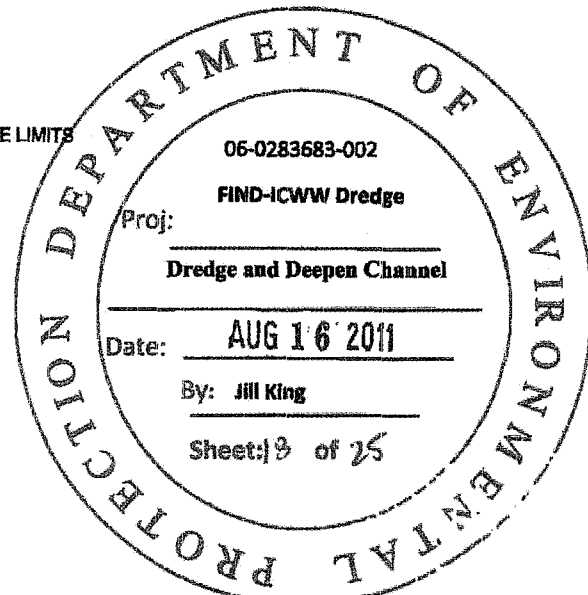
LIMITS OF  
SEAGRASS  
SURVEY

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

FEDERAL  
CHANNEL

PROPOSED DREDGE LIMITS

ESTIMATED  
TOP OF SIDE SLOPE



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32258  
CERTIFICATE OF AUTHORIZATION # 4816

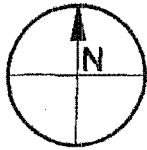
FIGURE 18  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-076-07	RLJ/CAS	18 of 25	JULY 2011

SEAL  
*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. # 53028 DATE

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





0 200' 400'  
SCALE: 1" = 200'

ESTIMATED  
TOP OF SIDE SLOPE

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008

PROPOSED DREDGE LIMITS

LIMITS OF  
SEAGRASS  
SURVEY

06-0283683-062 FEDERAL  
CHANNEL  
FIND-ICWW Dredge

Proj:

Dredge and Deepen Channel

AUG 16 2011

By: Jill King

Sheet: 19 of 25

SEAL

*[Signature]*  
JUL 27 2011

ROBERT J. WAGNER P.E. # 63826

DATE

**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION #4816

FIGURE 19  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-07	DRAWN BY RLJ/CAS	SHEET 19 of 25	DATE JULY 2011
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PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

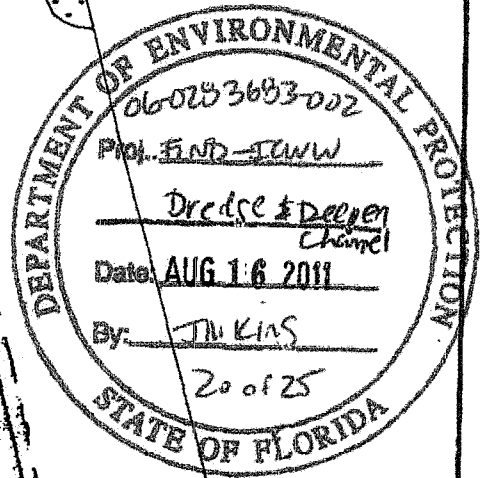
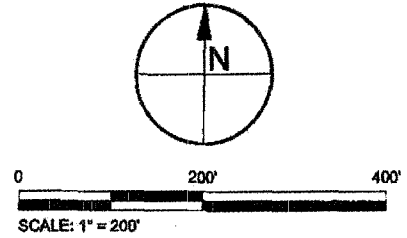
ESTIMATED  
TOP OF SIDE SLOPE

LIMITS OF  
SEAGRASS  
SURVEY

PROPOSED DREDGE LIMITS

FEDERAL  
CHANNEL

SEAGRASS PER  
DIAL CORDY SURVEY  
SEPTEMBER 2008



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION #4615

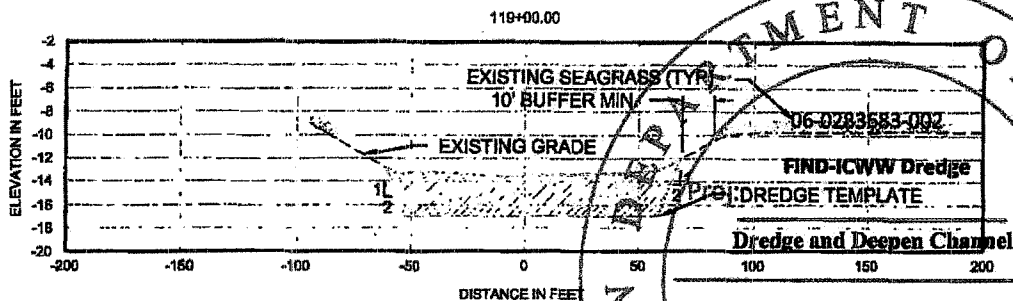
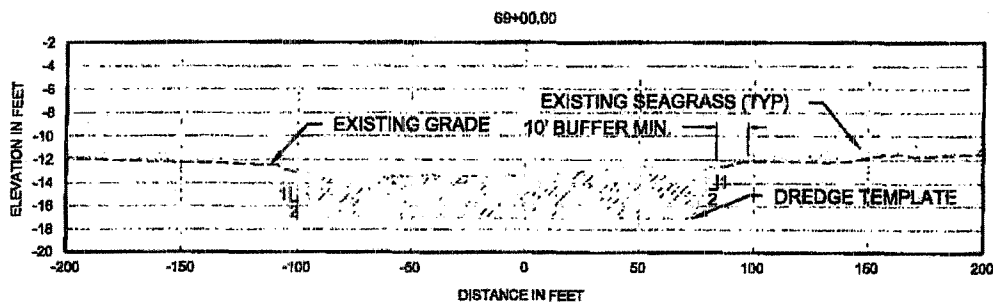
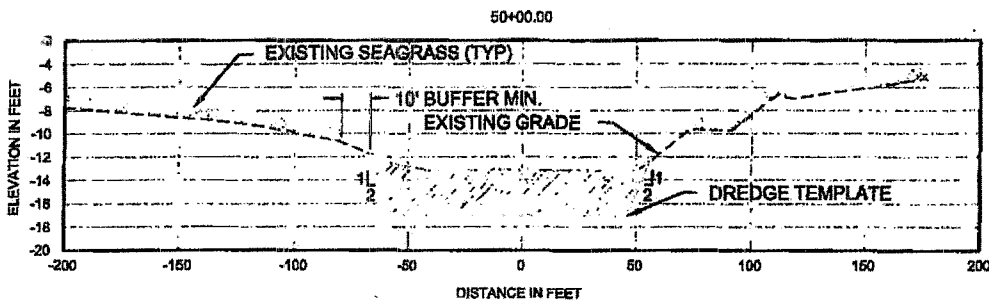
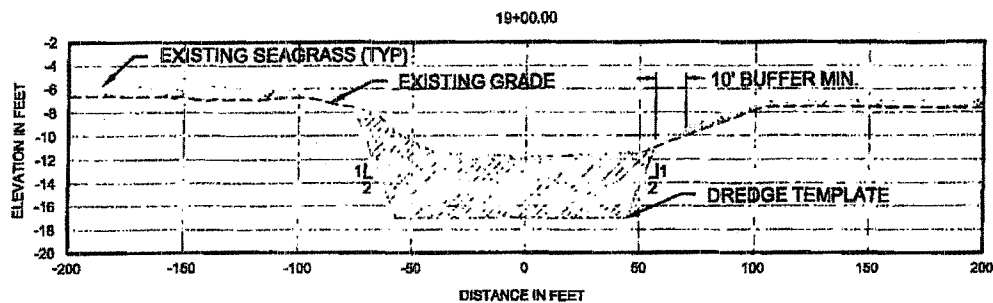
FIGURE 20  
SITE DREDGING PLAN  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-07	DRAWN BY RL/JCAS	SHEET 20 of 25	DATE JULY 2011
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SEAL  
*[Signature]*  
**JUL 27 2011**  
ROBERT J. WAGNER P.E. #6328

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

DATE: 7/27/11 1:40:28 PM  
C:\WORK\PROJECTS\2005-076-07\BROWARD COUNTY DEEPENING\FIGURE 20-1A.LAYERS & DREDGING PLAN.DWG



### ICWW DREDGE SECTIONS

SCALE: 1" = 80'  
V-SCALE: 1" = 16'

Date: AUG 16 2011

By: Jill King

Sheet: 21 of 25



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 21  
DREDGING CROSS SECTIONS  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

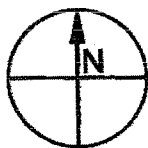
PROJECT C2005-078-07	DRAWN BY RL/JCAS	SHEET 21 of 25	DATE JULY 2011
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GEAL

*[Signature]*  
**JUL 27 2011**

ROBERT J. WAGNER P.E. # 69038

DATE



0 300' 600'  
SCALE: 1" = 300'

# PORT EVERGLADES SOUTHPORT

PERIMETER DIKE WALL 4' HIGH,  
8' TOP WIDTH, 4:1 SIDE SLOPES

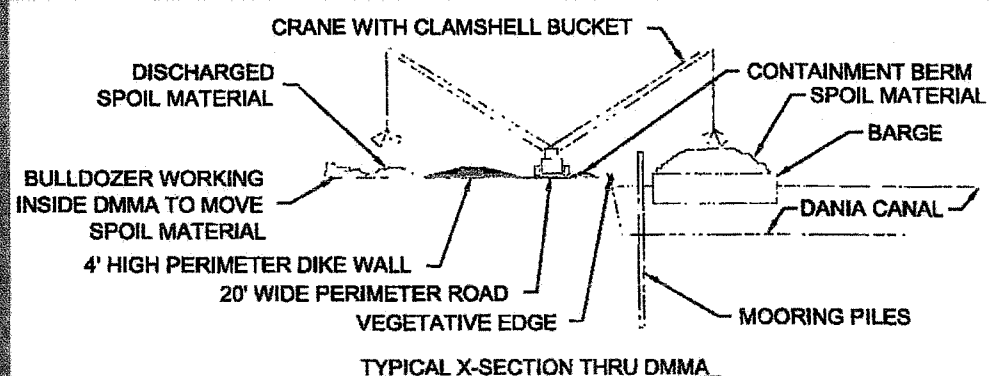
ACCESS ROAD TO CONTAINMENT AREA

8  
FIG. 24

+/- 6.0  
ACRES

BROWARD COUNTY - ID No. 504235190010

DANIA CUTOFF CANAL



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION #4815

FIGURE 22  
DREDGED MATERIAL MANAGEMENT AREA  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	C2005-078-07
DRAWN BY	RLJ/CAS
SHEET	22 of 25
DATE	JULY 2011

SEAL

*[Signature]*

JUL 27 2011

ROBERT A. WATNER P.E. & REXD

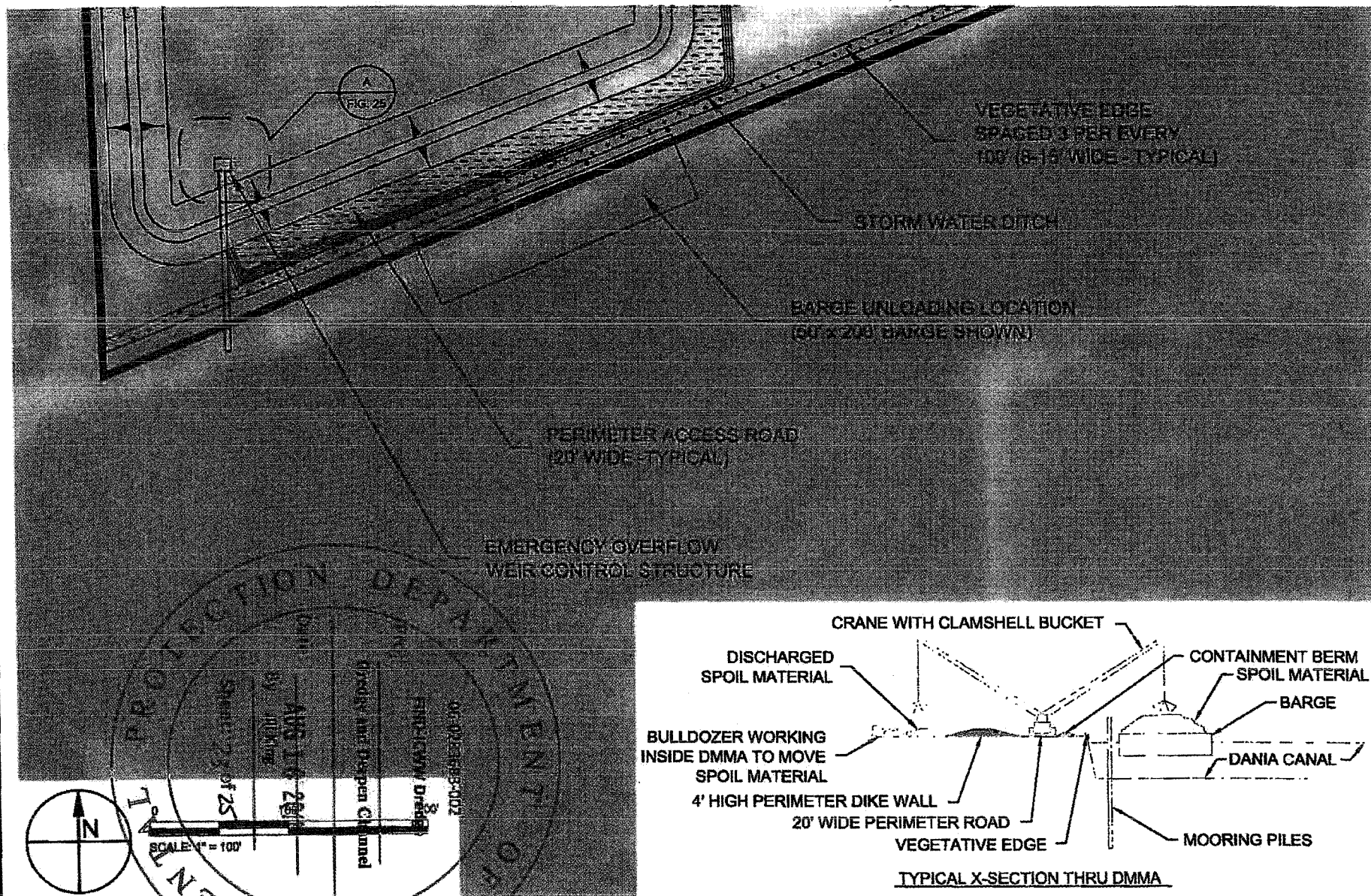
DATE

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



7/23/11 2:02 PM

C:\HYDRA\K:\SYSTEM\PROJECTS\BROWARD COUNTY\DEEPENING OF PERMANENT CANALS\FIGURE 23-DANIA DMMMA.DWG



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.

BLDG. 300, SUITE 300

JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 23

DREDGED MATERIAL MANAGEMENT AREA (CON'T)

FIND BROWARD CO. ICWW DEEPENING PROJECT

BROWARD COUNTY, FLORIDA

PROJECT C2005-076-07

DRAWN BY RLJ/CAS

SHEET 23 of 25

DATE JULY 2011

SEAL

ROBERT L. WAGNER P.E. #43028

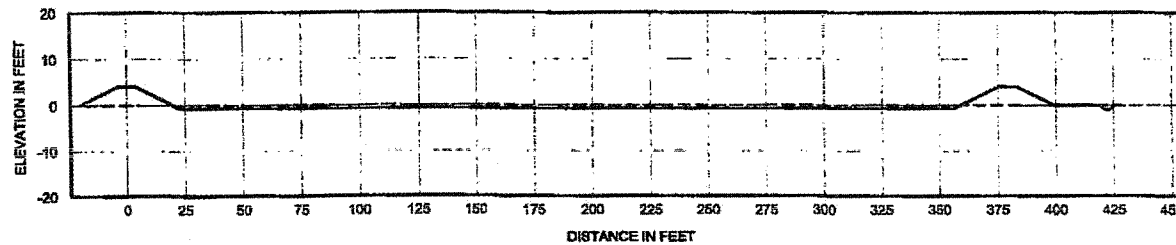
JUL 27 2011

DATE

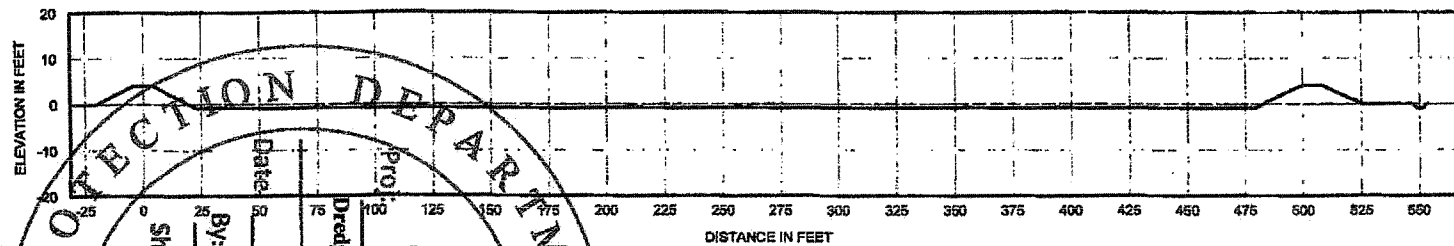
PRELIMINARY DRAWINGS: THESE DRAWINGS ARE NOT IN FINAL FORM, BUT ARE BEING TRANSMITTED FOR AGENCY REVIEW.

LEGEND

FINISH GRADE: \_\_\_\_\_  
EXISTING GRADE: - - - - -



**A**  
WEST-EAST CROSS-SECTION THROUGH DIKE  
FIG. 22



**B**  
NORTH-SOUTH CROSS-SECTION THROUGH DIKE  
FIG. 22

PROTECTION DEPARTMENT  
Date: \_\_\_\_\_  
By: King  
Project: Dredged and Deepen Channel  
FIND-ICWW Dredge  
06283683-002  
AUG 16 2011  
Sheet of 24 25

0 80' 160'  
SCALE: 1" = 80'  
VERTICAL EXAGGERATION: 2X

**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION #4815

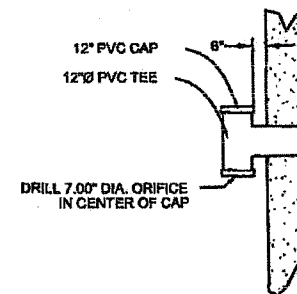
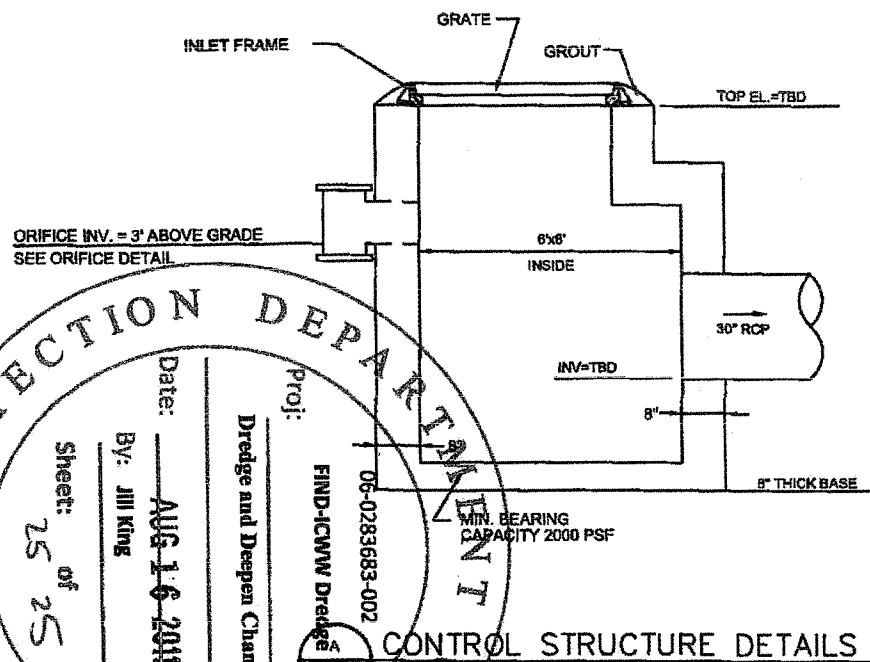
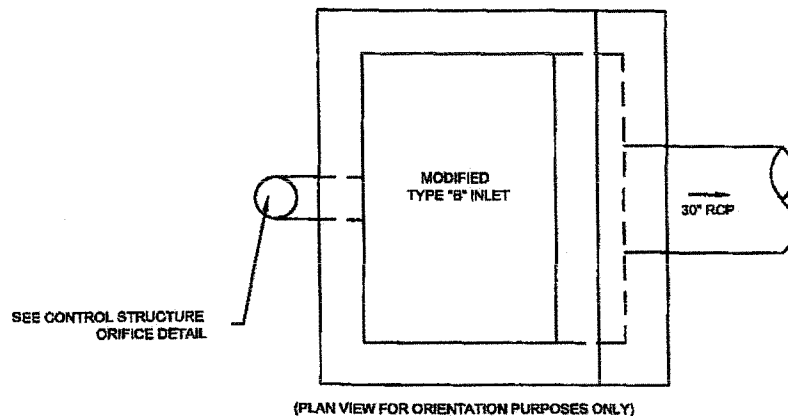
FIGURE 24  
PROPOSED DMMA CROSS SECTIONS  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-07  
DRAWN BY RLJ/CAS  
SHEET 24 of 25  
DATE JULY 2011

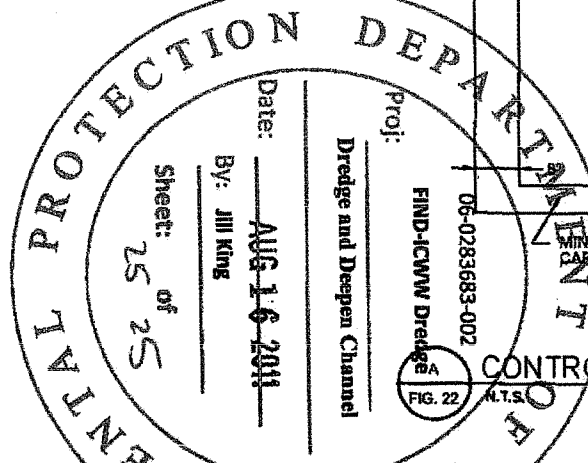
SEAL  
JUL 27 2011  
ROBERT J. WILSON P.E. # 63228  
DATE

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

DATE: 11/22/11 3:46:29 PM  
C:\P\PROJECTS\2005-076-07\BROWARD COUNTY DEEPENING PROJECT\DWG\FIG. 25-CONTROL STRUCTURE DETAILS.DWG



ORIFICE DETAIL  
N.T.S.



CONTROL STRUCTURE DETAILS  
N.T.S.

**TAYLOR ENGINEERING INC.**  
10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION #4815

FIGURE 25  
CONTROL STRUCTURE DETAILS  
FIND BROWARD CO. ICWW DEEPENING PROJECT  
BROWARD COUNTY, FLORIDA

PROJECT	C2005-076-07
DRAWN BY	RLJ/CAS
SHEET	25 of 25
DATE	JULY 2011

SEAL  
*[Signature]*  
JUL 27 2011  
ROBERT J. WAGNER P.E. # 63028  
DATE

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

## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

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

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



# CAUTION: MANATEE HABITAT

All project vessels

**IDLE SPEED / NO WAKE**

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

**SHUT DOWN**

Report any collision with or injury to a manatee:



Wildlife Alert:

**1-888-404-FWCC(3922)**

cell \*FWC or #FWC

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**

**Permit Number:**

**Application Number:** SAJ-2009-03523

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: \_\_\_\_\_

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 Branch, Post Office Box 4970, Jacksonville, FL 32232-0019.

\_\_\_\_\_  
(TRANSFEREE-SIGNATURE)

\_\_\_\_\_  
(SUBDIVISION)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(LOT)

\_\_\_\_\_  
(BLOCK)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(STREET ADDRESS)

\_\_\_\_\_  
(MAILING ADDRESS)

\_\_\_\_\_  
(CITY, STATE, ZIP CODE)



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
**JACKSONVILLE DISTRICT CORPS OF ENGINEERS**  
4400 PGA BOULEVARD, SUITE 500  
PALM BEACH GARDENS, FLORIDA 33410

**February 25, 2015**

Regulatory Division  
South Permits Branch  
Palm Beach Gardens Permits Section  
SAJ-2009-03523(SP-SLR)  
Modification-1

Florida Inland Navigation District  
c/o Mark Crosley  
1314 Marcinski Road  
Jupiter, Florida 33477

Dear Mr. Crosley:

The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your modification request, received on July 21, 2014, in which you asked to revise the Special Conditions authorized by Department of the Army permit number SAJ-2009-03523, issued to Florida Inland Navigation District, dated December 6, 2013. The project site is located in the Intracoastal Waterway, beginning at the channel between Intracoastal Drive and Bayshore Drive and ending just south of the 17<sup>th</sup> Street Bridge, Fort Lauderdale (Section 25, Township 50 south, Range 42 east), in Broward County, Florida.

The proposed modification would result in the modification to Special Condition 11. The new Special Condition 11 shall read as followed:

Special Condition 11: Turbidity curtains shall be utilized when feasible along the sides of identified resource areas to prevent turbid waters from entering the waterbody. Due to the nature of the project site within the ICWW, turbidity curtains may not be feasible due to boat traffic, tide conditions, etc., and therefore a temporary mixing zone is allowed under the Florida Department of Environmental Protection Permit No. 06-0283683-004. Turbidity shall be monitored and recorded at the edge of identified resource areas and at the edge of the mixing zones to ensure that turbidity levels do not exceed 29 NTUs above ambient background levels outside of the mixing zones.

The impact of your proposal on navigation and the environment has been reviewed and found to be insignificant. The permit is hereby modified in accordance with your request. You should attach this letter to the permit. All other conditions of the permit remain in full force and effect.

If you have any questions concerning this permit modification, please contact the project manager Samantha L. Rice at the letterhead address, by telephone at 561-472-3530 or by electronic mail at [Samantha.L.Rice@usace.army.mil](mailto:Samantha.L.Rice@usace.army.mil).

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

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

For: Alan M. Dodd  
Colonel, U.S. Army  
District Commander

Enclosures

Copies Furnished:

Taylor Engineering, email  
CESAJ-RD-PE



DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
4400 PGA BOULEVARD, SUITE 500  
PALM BEACH GARDENS, FLORIDA 33410

REPLY TO  
ATTENTION OF

**August 13, 2015**

Regulatory Division  
South Permits Branch  
Palm Beach Gardens Permits Section  
SAJ-2015-01592 (NW-AAZ)

Florida Inland Navigation District  
Attn: Mr. Mark Crosley  
1314 Marcinski Road  
Jupiter, Florida 33477

Dear Mr. Crosley:

The U.S. Army Corps of Engineers (Corps) assigned your application for a Department of the Army permit, which the Corps received on May 21, 2015, the file number SAJ-2015-01592. A review of the information and drawings provided indicates the project would place 8 cubic yards of material within 0.007 acres of mangrove wetlands to improve the existing 16-foot wide access road. Upland access road improvements include 224 linear feet of concrete pavement, guardrails, and silt fencing. FIND would be required to remove the fill and return the wetlands to their original pre-construction grade once the removal of the dredged material, from the DMMA is complete (estimated in 730 days). The project is located within waters of the United States adjacent to 951 NE 7 Avenue, Hollywood in Section 23 and 35, Township 50 South, Range 42 East, Broward County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) Numbers 14 for the road improvements. In addition, project specific conditions have been enclosed. This verification is valid until **March 18, 2017**. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Internet page to access Internet links to view the Final Nationwide Permits, Federal Register Vol. 77, dated February 21, 2012, specifically pages 10270 – 10290, the Corrections to the Final Nationwide Permits, Federal Register 77, March 19, 2012, and the List of Regional Conditions. The Internet page address is:

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

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and, then click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 14. 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. As-Built:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and a completed As-Built Certification Form (Attachment 1) to the Corps. The drawings shall be signed and sealed by a registered professional engineer and include the following:

a. A plan view drawing of the location of the authorized work footprint with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawing should show all "earth disturbance," the aerial extent of disturbances, GPS coordinates on the start and termination of disturbances, including wetland impacts, water management structures, and any on-site mitigation areas.

b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

c. The Department of the Army Permit number.

d. Include pre- and post-construction aerial photographs of the project site, if available.

Mail the As-Built drawings to the Regulatory Division, Attn: Jose Rivera, Special Projects and Enforcement Branch, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410.



**2. Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. 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 is completed and the work areas are stabilized.

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

**4. Cultural Resources/Historic Properties:**

a. No structure or work shall adversely affect impact or disturb properties listed in the *National Register of Historic Places* (NRHP) or those eligible for inclusion in the NRHP.

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

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition ; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the

circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

#### **5. Eastern Indigo Snake Protection Measures and Inspection:**

a. The permittee agrees to adhere to the enclosed Standard Protection Measures for the Eastern Indigo Snake dated August 2013.

b. All gopher tortoise burrows, active or inactive, will be evacuated prior to site manipulation in the vicinity of the burrow. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. All holes, cavities, and snake refugia other than gopher tortoise burrows will be inspected each morning before planned site manipulation of a particular area, and, if occupied by an indigo snake, no work will commence until the snake has vacated the vicinity of proposed work.

**6. Restoration of Temporary Fill:** Within 30 days from the date of completing the work authorized in this permit and no later than 760 days from the date of this permit, the Permittee shall restore the temporary wetland impacts to pre-existing contours, elevations, vegetation, habitat type, and hydrology. Any excess fill material must be disposed in an upland disposal area.

**7. Staging area:** All staging areas shall be limited to upland areas and utilized in a manner that would prevent erosion within the wetlands.

This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this Nationwide permit must qualify for an exemption under section 403.813(1), Florida Statutes or 373.406, Florida Statutes, or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, Florida Statutes, by the Department of Environmental Protection, a water management district under section 373.069, Florida Statutes, or a local government with delegated authority under section 373.441, Florida Statutes, and receive Water Quality Certification and applicable Coastal Zone Consistency Concurrence or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, Florida Statutes, and, as applicable, Chapter 258, Florida Statutes. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

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

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact me by telephone at 561-472-3506.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at

[http://corpsmapu.usace.army.mil/cm\\_apex/f?p=regulatory\\_survey](http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey). Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Sincerely,

Alisa Zarbo  
Project Manager

Enclosures

GENERAL CONDITIONS  
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on **March 18, 2017**.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST**

**PERMIT NUMBER: SAJ-2015-01592 (NW-AAZ)**

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)**





## **AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER**

*Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410. If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-3131.*

1. Department of the Army Permit Number: SAJ-2015-01592 (NW-AAZ)

2. Permittee Information:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

3. Project Site Identification (physical location/address):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. As-Built Certification: I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled, and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

\_\_\_\_\_  
Signature of Engineer

\_\_\_\_\_  
Name (*Please type*)

\_\_\_\_\_  
(FL, PR, or VI) Reg. Number

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
ZIP

(Affix Seal)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Telephone Number

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

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

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

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

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

### **POSTER INFORMATION**

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

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

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

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

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

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

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

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

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

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

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

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

**North Florida Field Office – (904) 731-3336**

**Panama City Field Office – (850) 769-0552**

**South Florida Field Office – (772) 562-3909**

## **PRE-CONSTRUCTION ACTIVITIES**

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

## **DURING CONSTRUCTION ACTIVITIES**

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

## **POST CONSTRUCTION ACTIVITIES**

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



# **ATTENTION:**

## **THREATENED EASTERN INDIGO SNAKES MAY BE PRESENT ON THIS SITE!!!**

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

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

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

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

#### **USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:**

**North Florida Field Office – (904) 731-3336**

**Panama City Field Office – (850) 769-0552**

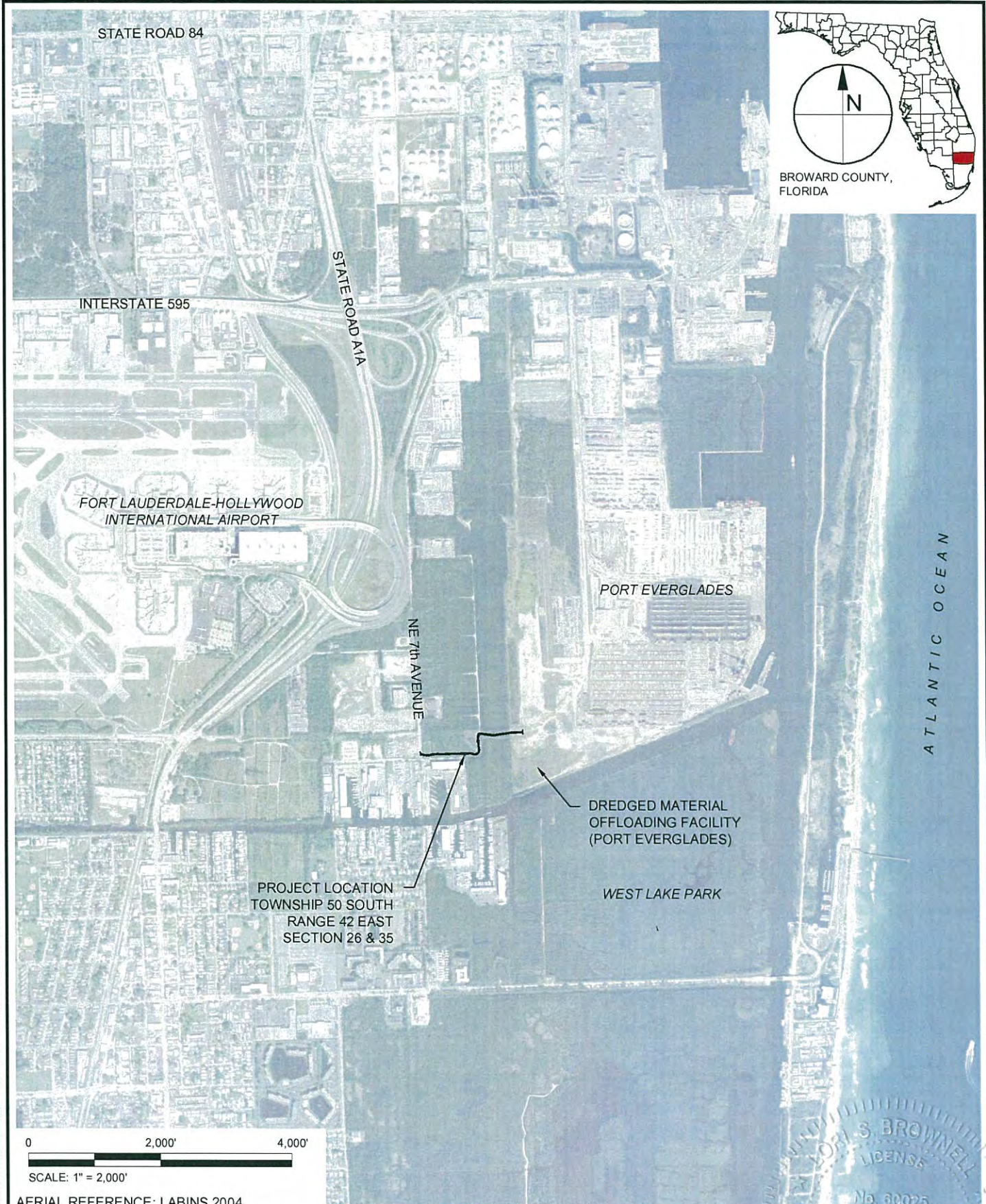
**South Florida Field Office – (772) 562-3909**

**Killing, harming, or harassing indigo snakes is strictly prohibited and punishable under State and Federal Law.**

DESCRIPTION:	The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.
SIMILAR SNAKES:	The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.
LIFE HISTORY:	The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida. Although they have a preference for uplands, they also utilize some wetlands and agricultural areas. Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.
PROTECTION:	The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. "Taking" of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. "Take" is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses, if convicted.

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





AERIAL REFERENCE: LABINS 2004



**TAYLOR ENGINEERING INC.**

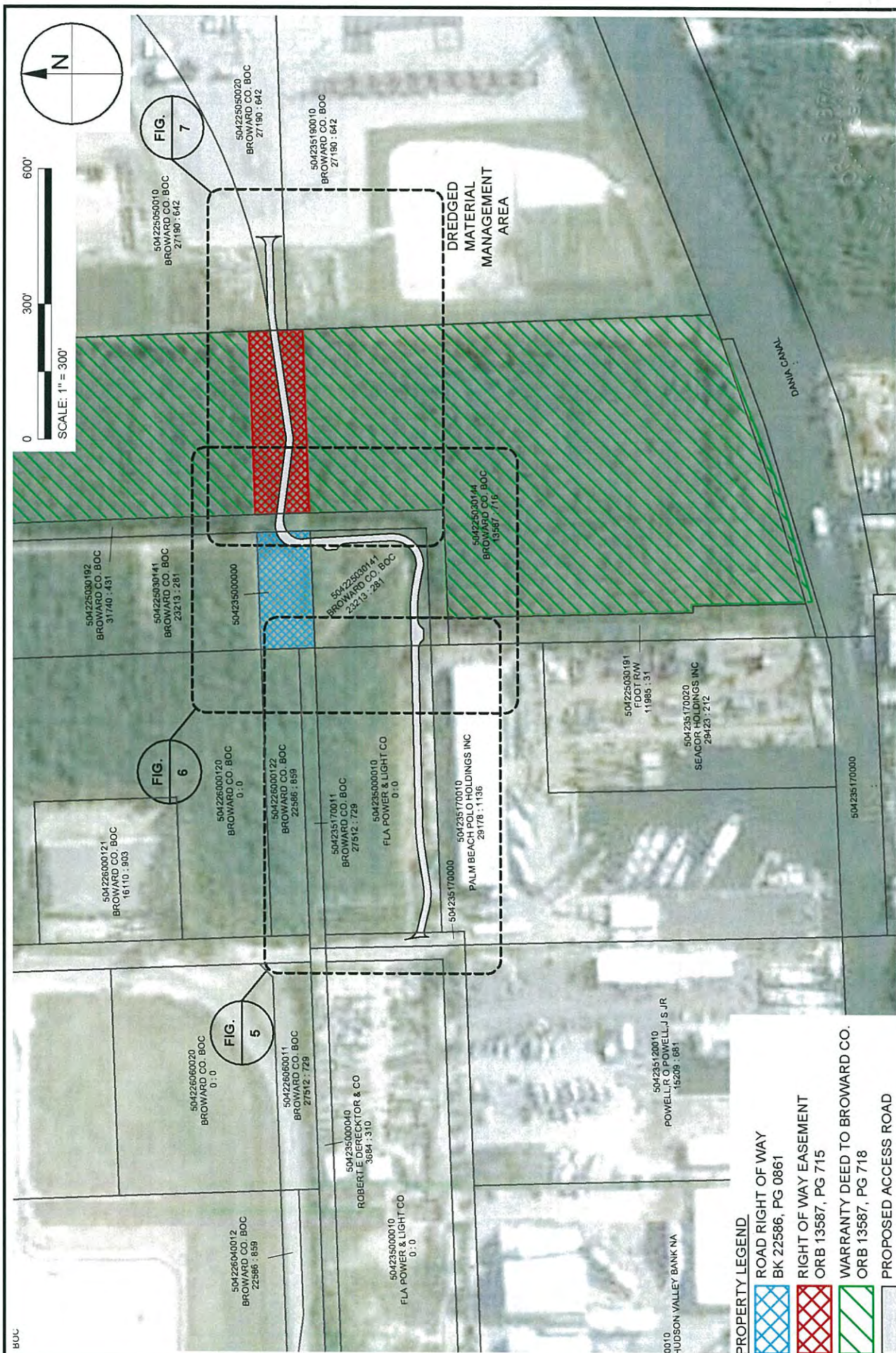
10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 1  
LOCATION MAP  
TEMPORARY ACCESS TRUCKING ROUTE  
F.I.N.D. BROWARD COUNTY ICWW DEEPENING  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-13	DRAWN BY RLJ	SHEET 1 of 9	DATE MAY 2015
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SEAL  
  
LORIS S. BROWNELL P.E. # 60025  
DATE





**PROPERTY LEGEND**

- ROAD RIGHT OF WAY  
BK 22586, PG 0861
- RIGHT OF WAY EASEMENT  
ORB 13587, PG 715
- WARRANTY DEED TO BROWARD CO.  
ORB 13587, PG 718
- PROPOSED ACCESS ROAD

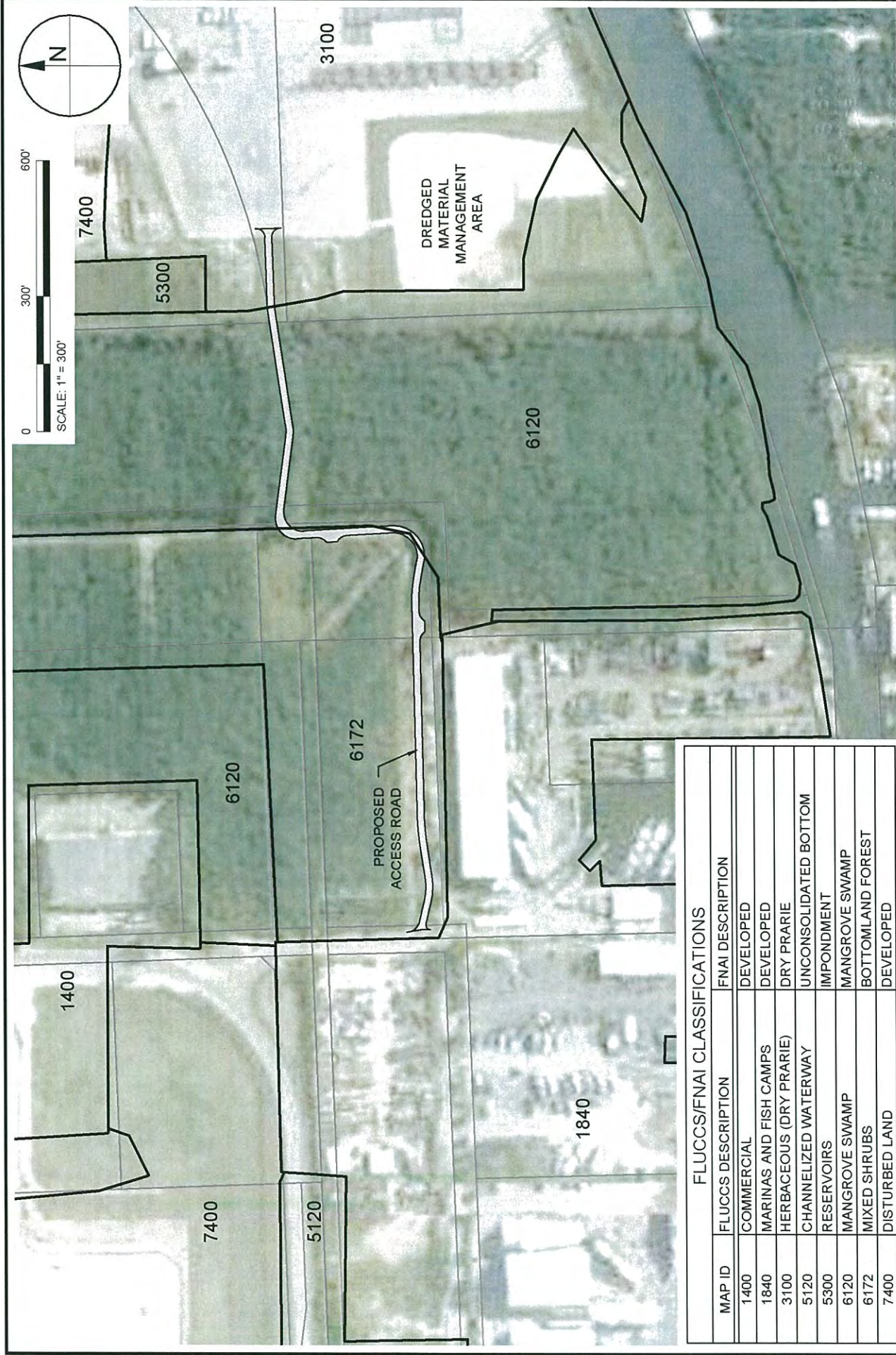
**TAYLOR ENGINEERING INC.**  
 10151 DEERWOOD PARK BLVD.  
 BLDG. 300, SUITE 300  
 JACKSONVILLE, FL 32256  
 CERTIFICATE OF AUTHORIZATION # 4815

**FIGURE 2**  
 PROJECT OVERVIEW  
 TEMPORARY ACCESS TRUCKING ROUTE  
 F.I.N.D. BROWARD COUNTY ICWW DEEPENING  
 BROWARD COUNTY, FLORIDA

PROJECT	C2005-076-13	SEAL
DRAWN BY	RLJ	
SHEET	2 of 9	
DATE	MAY 2015	

DATE  
5/19/2015  
LORIS BROWELL PE # 60025







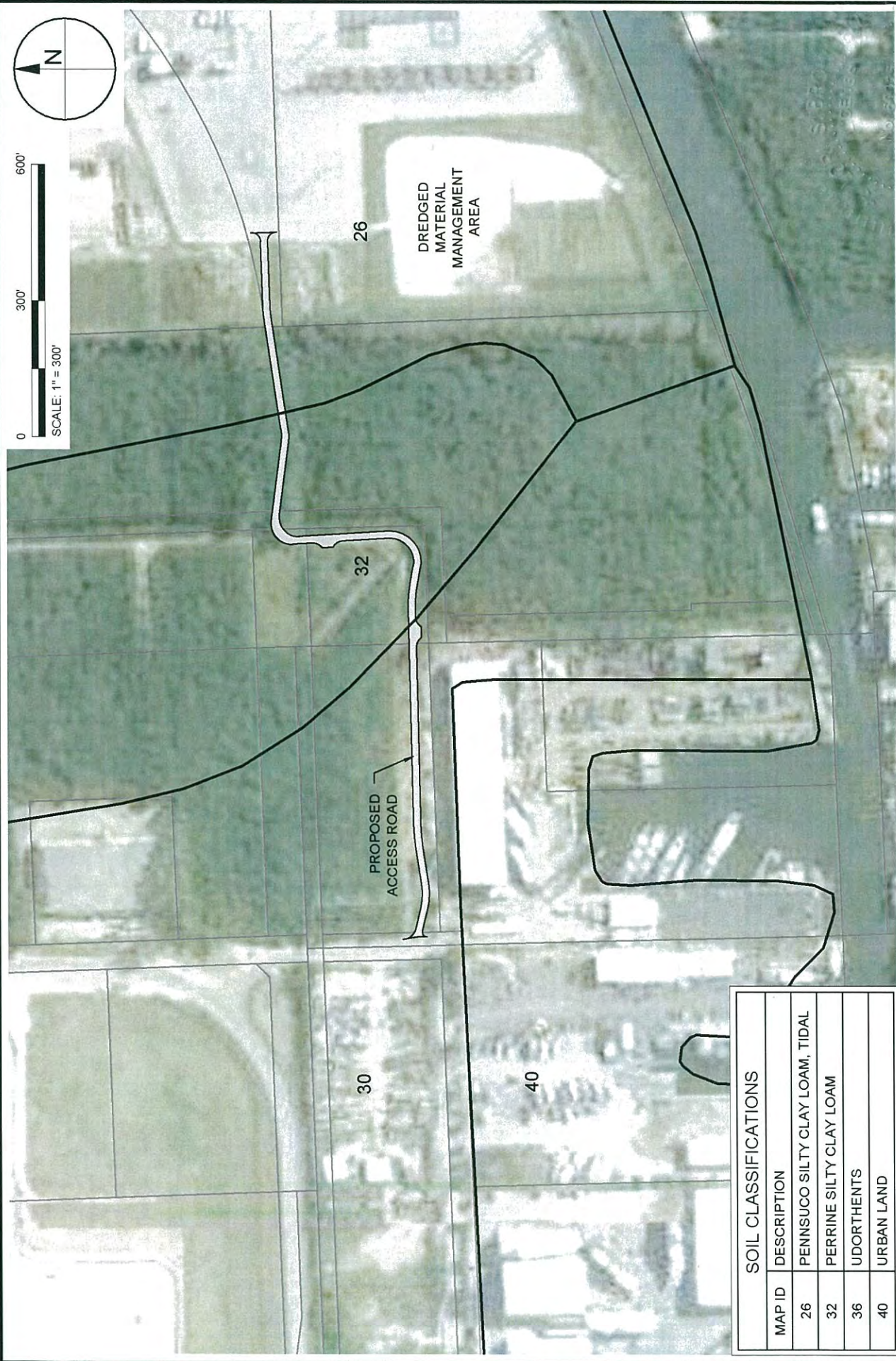
**TAYLOR ENGINEERING INC.**  
10151 DEERWOOD PARK BLVD.  
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JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 3  
FLUCCS MAP  
TEMPORARY ACCESS TRUCKING ROUTE  
F.I.N.D. BROWARD COUNTY ICWM DEEPENING  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-13  
DRAWN BY RLJ  
SHEET 3 of 9  
DATE MAY 2015

SEAL  
  
LORI S. BROWARD, P.E. # 00025  
DATE 5/19/2015





SOIL CLASSIFICATIONS	
MAP ID	DESCRIPTION
26	PENNSUCO SILTY CLAY LOAM, TIDAL
32	PERRINE SILTY CLAY LOAM
36	UDORTHENTS
40	URBAN LAND



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CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 4  
USDA SOILS MAP  
TEMPORARY ACCESS TRUCKING ROUTE  
F.I.N.D. BROWARD COUNTY ICWW DEEPENING  
BROWARD COUNTY, FLORIDA

PROJECT	C2005-076-13	SEAL
DRAWN BY	RLJ	
SHEET	4 of 9	
DATE	MAY 2015	



Chris Brownell P.E. # 60005  
5/19/2015



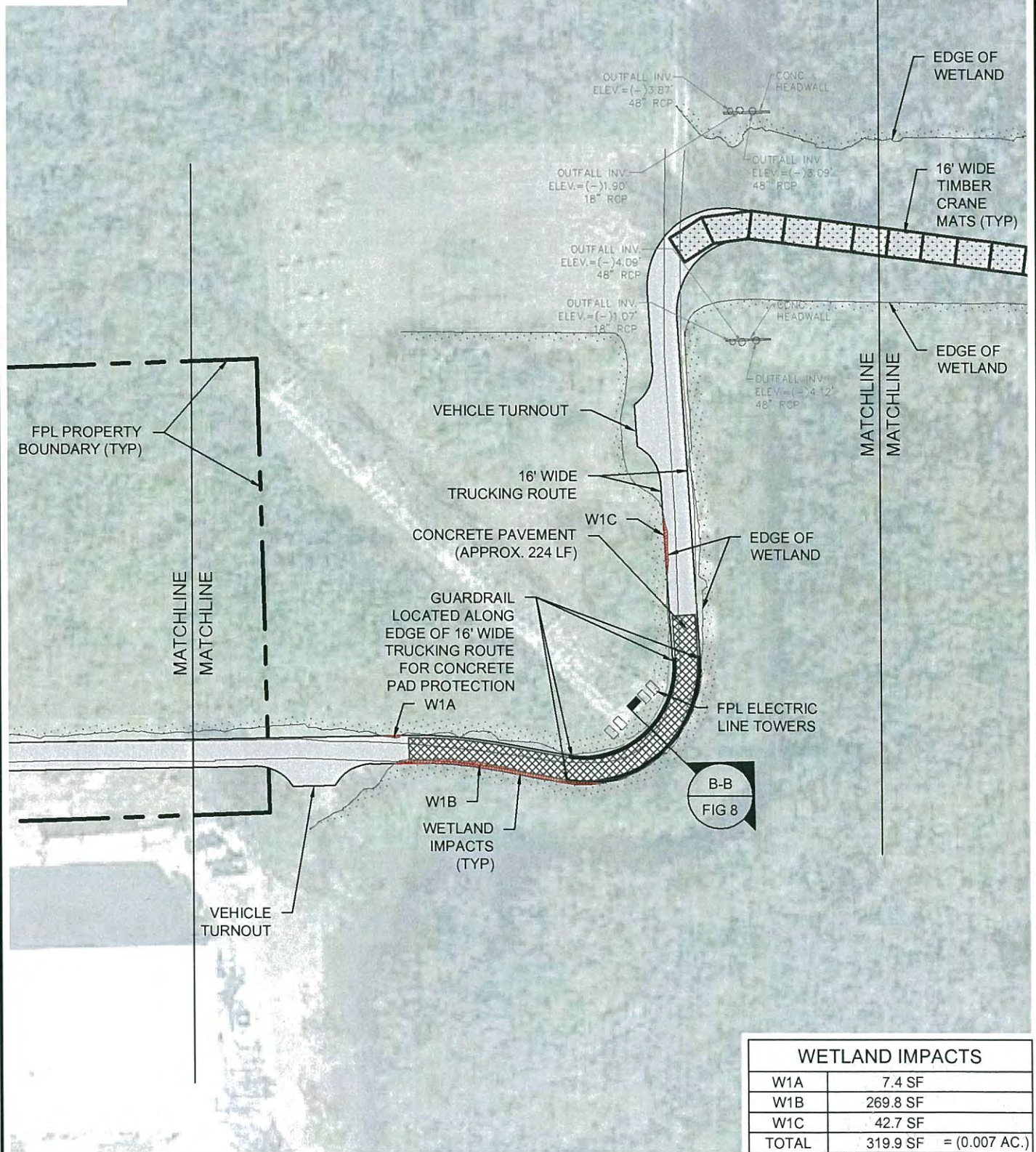


 <b>TAYLOR ENGINEERING INC.</b> 10151 DEERWOOD PARK BLVD. BLDG. 300, SUITE 300 JACKSONVILLE, FL 32256 CERTIFICATE OF AUTHORIZATION # 4815	<b>FIGURE 5</b> PLAN VIEW TEMPORARY ACCESS TRUCKING ROUTE F.I.N.D. BROWARD COUNTY ICWM DEEPENING BROWARD COUNTY, FLORIDA		PROJECT C2005-076-13	SEAL
			DRAWN BY RLJ	
			SHEET 5 of 9	
			DATE MAY 2015	
DATE 5/19/2015 CORY S. REYNOLDS, P.E. # 60025				





0 80' 160'  
SCALE: 1" = 80'



WETLAND IMPACTS	
W1A	7.4 SF
W1B	269.8 SF
W1C	42.7 SF
TOTAL	319.9 SF = (0.007 AC.)



**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256

CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 6  
PLAN VIEW

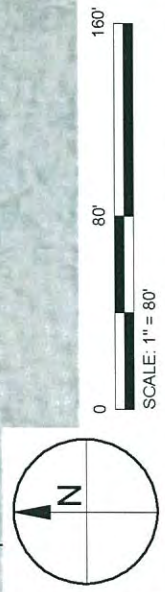
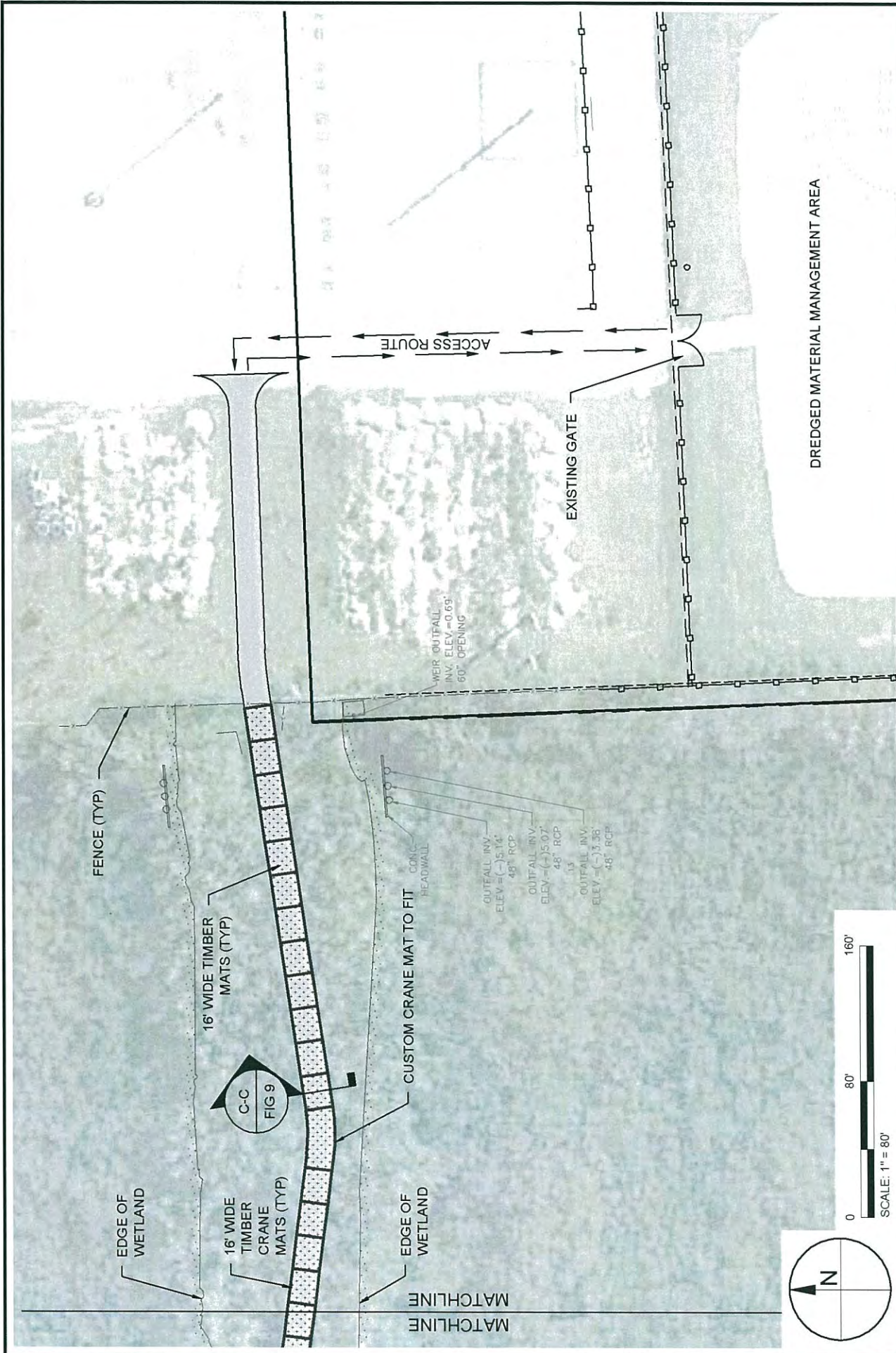
TEMPORARY ACCESS TRUCKING ROUTE  
F.I.N.D. BROWARD COUNTY ICWW DEEPENING  
BROWARD COUNTY, FLORIDA

PROJECT	DRAWN BY	SHEET	DATE
C2005-076-13	RLJ	6 of 9	MAY 2015

SEAL

*[Signature]* 5/19/2015  
CORI S. BROWN, P.E. # 60025

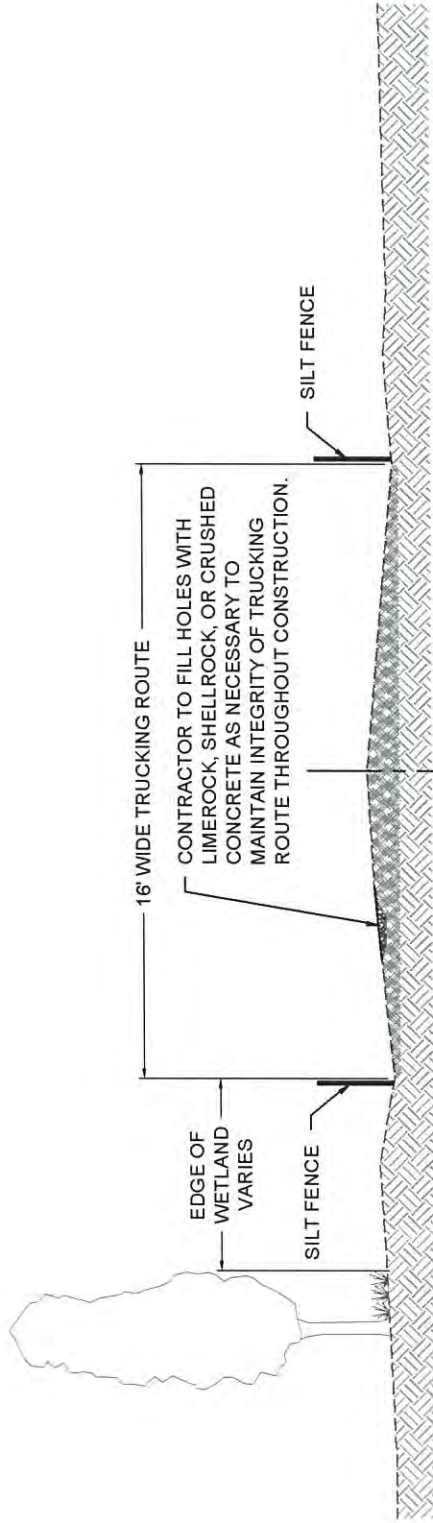




 <b>TAYLOR ENGINEERING INC.</b> 10151 DEERWOOD PARK BLVD. BLDG. 300, SUITE 300 JACKSONVILLE, FL 32256 CERTIFICATE OF AUTHORIZATION # 4815	<b>FIGURE 7</b> <b>PLAN VIEW</b> <b>TEMPORARY ACCESS TRUCKING ROUTE</b> <b>F.I.N.D. BROWARD COUNTY ICWW DEEPENING</b> <b>BROWARD COUNTY, FLORIDA</b>		PROJECT C2005-076-13	SEAL  LORI S. BROWARD P.E. # 60026
			DRAWN BY RLJ	
			SHEET 7 of 9	
			DATE MAY 2015	

5/19/2015

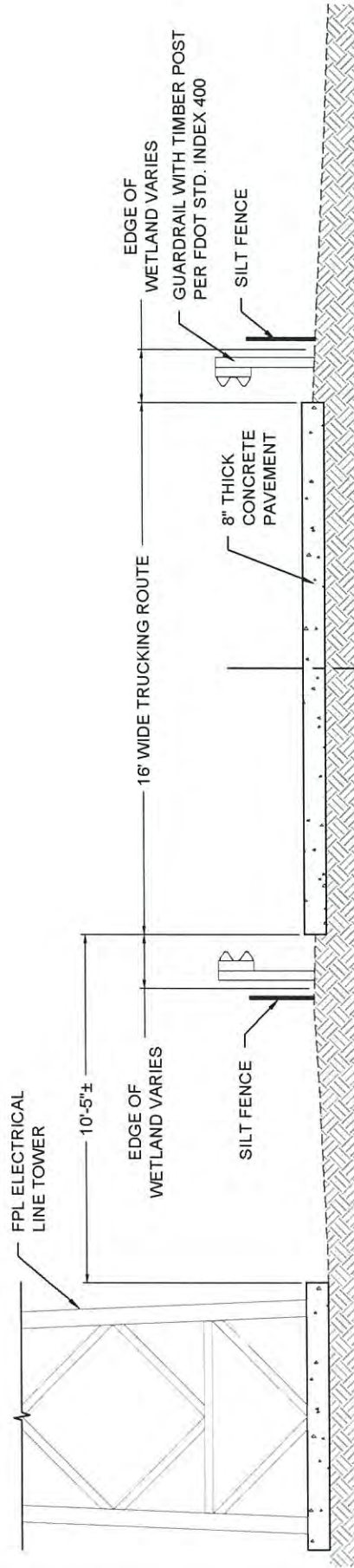




SECTION A-A

SCALE: 1" = 5'

A-A  
FIG 5



SECTION B-B

SCALE: 1" = 5'

B-B  
FIG 6

**TAYLOR ENGINEERING INC.**

10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 8  
TRUCK ROUTE SECTIONS  
TEMPORARY ACCESS TRUCKING ROUTE  
BROWARD COUNTY, FLORIDA

PROJECT C2005-076-13

DRAWN BY RLJ

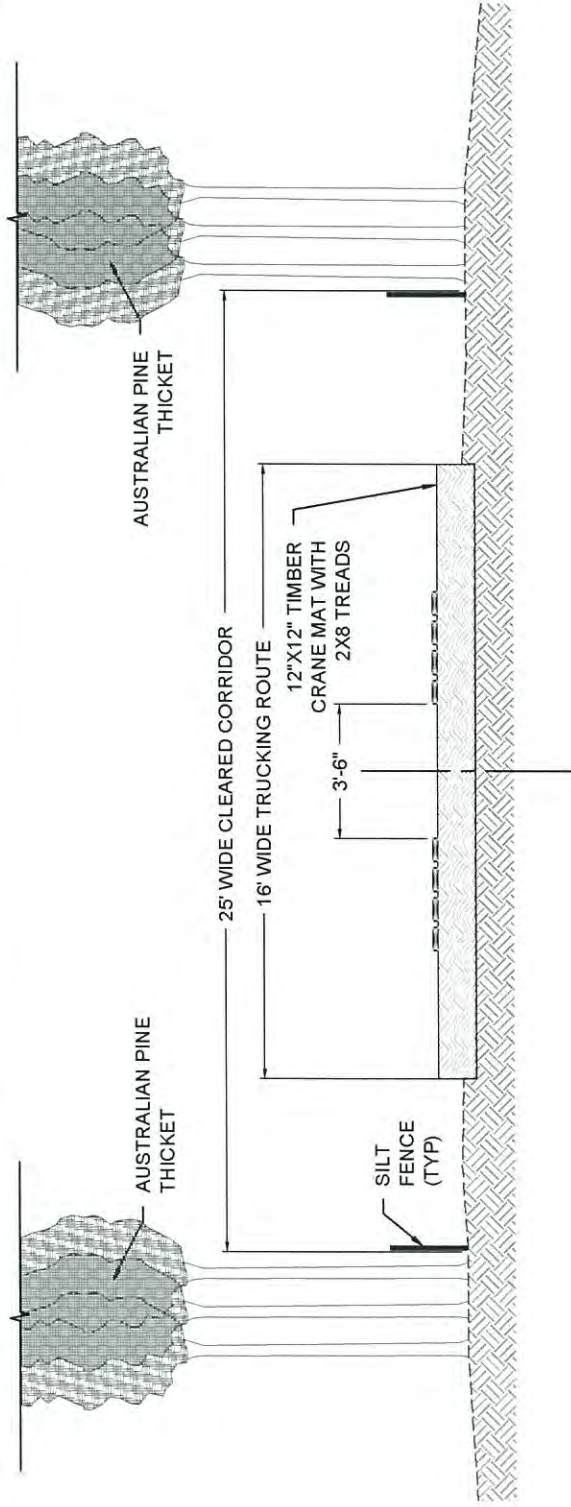
SHEET 8 of 9

DATE MAY 2015

SEAL

*[Signature]*  
5/19/2015  
CATHY SHELL, PE # 80025

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



C-C  
FIG 7  
SECTION C-C  
SCALE: 1" = 5'



\*NOTE: SEE FDOT STANDARDS, INDEX 400, SHEETS 1-34

FDOT INDEX 400

SCALE: 1" = 5'

**TAYLOR ENGINEERING INC.**  
10151 DEERWOOD PARK BLVD.  
BLDG. 300, SUITE 300  
JACKSONVILLE, FL 32256  
CERTIFICATE OF AUTHORIZATION # 4815

FIGURE 9  
TRUCK ROUTE SECTIONS & GUARDRAIL DETAIL  
TEMPORARY ACCESS TRUCKING ROUTE  
BROWARD COUNTY, FLORIDA

PROJECT	C2005-076-13	SEAL
DRAWN BY	RLJ	
SHEET	9 of 9	
DATE	MAY 2015	

*[Signature]* 5/19/2015  
LORI S. BROWELL PE # 60025



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
4400 PGA BOULEVARD, SUITE 500  
PALM BEACH GARDENS, FLORIDA 33410

**October 12, 2016**

Regulatory Division  
South Permits Branch  
Palm Beach Gardens Permits Section  
SAJ-2009-03523(SP-SLR)  
Modification-2

Florida Inland Navigation District  
c/o Mark Crosley  
1314 Marcinski Road  
Jupiter, Florida 33477

Dear Mr. Crosley:

The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your modification request, received on June 24 and July 22, 2016, in which you asked to revise the plans and special conditions authorized by Department of the Army permit number SAJ-2009-03523, issued to Florida Inland Navigation District, dated December 6, 2013. The project is located in the Intracoastal Waterway, beginning at the channel between Intracoastal Drive and Bayshore Drive and ending just south of the 17th Street Bridge, Ft. Lauderdale (Section 25, Township 50 South, Range 42 East), in Broward County.

The proposed modification would result in the modification to Special Conditions 10, 13(c), and 13(e), the addition of Special Condition 19, and to allow for a variation in the project footprint to restore the Federal Channel Widener width in two key areas between: (1) Stations 26+50 and 30+25 and (2) Stations 63+00 to 71+50. The expanded footprint would allow-inclusive of the 2-foot allowable over depth to -17 feet Mean Low Water for the removal of up to 1,406 cubic yards (cy) within Area No. 1 and 6,487 cy within Area No. 2. The modification must be completed in accordance with the enclosed construction drawings and the special conditions, which are incorporated in, and made a part of the permit.

**Special Conditions:**

10. Dredging shall be limited to daylight hours except in the case of dredging I Street (Stations 0+00 to 2+50) and Las Olas Boulevard (Stations 100+50 to 105+00) bridges. During any night-time dredging, the Permittee shall reduce the dredging cycles (i.e. dropping and retrieving the bucket and emptying the filled bucket into the transfer barge) and carefully remove the material in a manner that would avoid impacts to the West Indian manatee.

13 (c): Observers shall be designated as dedicated marine mammal observers during in-water work. The observers shall have experience in dredge activity marine mammal

observation and be equipped with polarized sunglasses to aid in observation. The manatee observers must be on the dredge vessel during all in-water construction activities and will advise personnel to cease operation upon sighting a manatee within 50 feet of any in-water construction activity. Movement of a work barge, other associated vessels, or any in-water work shall not be performed after sunset, then the possibility of spotting manatees is negligible.

13 (e). Dredging shall be prohibited between Station 0.00 and Station 70.00 from December 1<sup>st</sup> through March 15<sup>th</sup>.

19. Compensatory mitigation will be required for any of the following activities that result in adverse impacts to seagrass outside the federal channel: unauthorized dredging beyond prescribed project limits, scouring of adjacent resources as a result of dredging/prop dredging/vessel damage, inadvertent barge disposal on seagrass or other aquatic resources, pipeline failures, dredged material containment failures, and anchoring outside the channel.

The impact of your proposal on navigation and the environment has been reviewed and found to be insignificant. The permit is hereby modified in accordance with your request. You should attach this letter to the permit. All other conditions of the permit remain in full force and effect.

If you have any questions concerning this permit modification, please contact the project manager Samantha L. Rice at the letterhead address, by telephone at 561-472-3530 or by electronic mail at [Samantha.L.Rice@usace.army.mil](mailto:Samantha.L.Rice@usace.army.mil).

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

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

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

Enclosures

Copies Furnished:

Lori Brownell, email  
CESAJ-RD-PE

