Agenda Item: 3F1

# PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

# **AGENDA ITEM SUMMARY**

Meeting Date: April 17, 2012	[X] Consent [ ] Workshop	
Department:		111
Submitted By: Department of Airports		
Submitted For:		
i. EXECUTIV	E BRIEF	
Motion and Title: Staff recommends mo Army Permit No. SAJ-1991-00402 (IP-E Mitigation Project at North Palm Beach Cou	GR) for the Wetla	and Wildlife Hazard
Summary: The Palm Beach County Deplanning mitigation of wildlife attractants a Aviation Airport ("airport"). Several wetland proximity to the runway/taxiway environment relocate them in order to minimize the impado DOA has submitted a permit application to the for the Wetland Wildlife Hazard Mitigation review and evaluation of the Department of 1991-00402 and has requested the DOA revisionature by the Department of the Army. As DOA shall provide verification to the Corporation have been debited from the Pine Gounty Department of Environmental Resouthose mitigation credits. Countywide (AH)	at North Palm Beads at the airport at the airport at the comparison of the comparison of the Army permit applies that 36.71 federated was a condition of approach and West Mitigation	ach County General are located in close need to remove or ons. As a result, the of Engineers (Corps) is has completed the elication number SAJ-conditions prior to final roval of the permit the all wetland mitigation in Area. Palm Beach
Background and Justification: This projection wildlife hazards and the purchase of wetlewelland impacts at the airport. Due to the I the desire to remove potential conflicts, credit off-site rather than create new wetlands on or	and mitigation cred imited available spa ts to offset the impa	its needed to offset ace at the airport and
Attachments:		
1. Department of the Army Permit No. Sa	AJ-1991-00402 (IP-E	EGR) – (3 originals)
=======================================		
Recommended By:	elly	3/15-1/12
Department	Director	Date
Approved By: W	é~	4/3/12
County Admir	nistrator	Date

# **II. FISCAL IMPACT ANALYSIS**

A. Five Year Summary of Fisc	al Impact:				
Fiscal Years	20 <u>12</u>	20 <u>13</u>	20 <u>14</u>	20 <u>15</u>	20 <u>16</u>
Capital Expenditures Operating Costs					
External Revenues (Grants) Program Income (County) In-Kind Match (County)					
NET FISCAL IMPACT		below		:	
# ADDITIONAL FTE POSITIONS (Cumulative)					
Is Item Included in Current Bud Budget Account No: Fund _ Report	dget? Yes _ Departm ting Category	No _ ent U	Jnit	Object	
B. Recommended Sources of	Funds/Summa	ry of Fiscal I	mpact:		
★ There is no Fiscal Impact for	this item.				
C. Departmental Fiscal Review	v: ms	Imm	<u>-</u>		
	III. REVIEW CO	OMMENTS			
OFMB Fiscal and/or Contraction  OFMB JA 31912	ct Developmen		ct Dev. and	revlow 3)	30112
B. Legal Sufficiency:	179		•		
Assistant County Attorney	<u> 2</u> 112				
C. Other Department Review:					
Department Director	_				
REVISED 9/03 ADM FORM 01					

(THIS SUMMARY IS NOT TO BE USED AS A BASIS FOR PAYMENT)



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
4400 PGA BOULEVARD, SUITE 500

PALM BEACH GARDENS, FLORIDA 33410

MAR 0 9 2012

REPLY TO ATTENTION OF

Regulatory Division
Palm Beach Gardens Section
SAJ-1991-00402 (IP-EGR)

Palm Beach County Board of County Commissioners Department of Airports (DOA) C/o Gary Sypek, Director of Planning 846 Palm Beach International Airport West Palm Beach, FL 33406

Dear Mr. Sypek:

The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your Department of the Army permit application, number SAJ-1991-00402. Our regulations require that you have an opportunity to review the terms and conditions prior to final signature by the Department of the Army. Enclosed is an unsigned Department of the Army permit instrument (permit).

Please read carefully the Special Conditions beginning on page 2 of the permit. These were developed to apply specifically to your project. Water Quality Certification is also required prior to issuance of a permit. The Corps has received a copy of the State of Florida certification for your project. In accordance with General Condition 5 of the permit, any special conditions of the Water Quality Certification have been attached to the Department of the Army permit.

Instructions for Objecting to Permit Terms and Conditions: This letter contains an initial proffered permit for your proposed project. If you object to certain terms and conditions contained within the permit, you may request that the permit be modified. Enclosed you will find a Notification of Administrative Appeal Options and Process fact sheet and Request for Appeal (RFA) form. If you choose to object to certain terms and conditions of the permit, you must follow the directions provided in Section 1, Part A and submit the completed RFA form to the letterhead address.

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria under 33 CFR Part 331.5, and that it has been received by the District office within 60 days of the date of the RFA. Should you decide to submit an RFA form, it must be received at the letterhead address within 60 days of the date of this letter.

Instructions for Accepting Terms and Conditions and Finalizing Your Permit: It is not necessary to submit an RFA form to the District office, if you do not object to the decision in this letter. In this case, the permit must be signed by the applicant in the space provided on the signature page of the permit. In the case of corporations, acceptance must be by an officer of that corporation authorized to sign on behalf of the corporation. The party responsible for assuring the work is done in accordance with the permit terms and conditions must sign the permit. Please type or print the name and title of the person signing below the signature and the date signed.

SIGN AND RETURN THE PERMIT, IN ITS ENTIRETY, TO THE LETTERHEAD ADDRESS.

The permit will be signed by the District Engineer and returned to you. It is important to note that the permit is not valid until the District Engineer signs it.

The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit <a href="http://per2.nwp.usace.army.mil/survey.html">http://per2.nwp.usace.army.mil/survey.html</a> and complete our automated Customer Service Survey. Your input is appreciated — favorable or otherwise. Please be aware this web address is case sensitive and should be entered as it appears above.

If you have any questions concerning this application, you may contact Eric Reusch in writing at the letterhead address, by electronic mail at Eric Reusch@usace.army.mil, or by telephone at 561-472-3529.

Sincerely,

Donald W. Kinard Chief, Regulatory Division

**Enclosures** 

Copies Furnished:

Mariben Andersen, The LPA Group, Inc.

Jay Gable, The LPA Group, Inc.

KOTTETCATION OF ANDWESTEVATIONE AND OPTIONS AND REOCESSAND.	
Applicant: Palm Beach County Board of County Commissioners File Number: SAJ-1991-00402	Date: MAR 0 0 2014
Attached is:	See Section below ZUIZ
X INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
PROFFERED PERMIT (Standard Permit or Letter of permission) PERMIT DENIAL	B
APPROVED JURISDICTIONAL DETERMINATION	D
PRELIMINARY JURISDICTIONAL DETERMINATION	E
SECTION IPPINE following identifies your rights and options regarding an administrative appeal of the above decision and in the found at latter //www.usace.army.mil/cecw/.hages/regematerials.aspx.or.Corps/regulations at 381 CFR pair; 381, A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.	Additional lintomation 3
• ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district en authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. You Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit conditions, and approved jurisdictional determinations associated with the permit.	r signature on the Standard
• OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you rebe modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your object the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concetto address some of your objections, or (c) not modify the permit having determined that the permit should be issued as prevaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in	bjections must be received future. Upon receipt of exns, (b) modify the permit reviously written. After
B: PROFFERED PERMIT: You may accept or appeal the permit	
• ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district en authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. You Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit conditions, and approved jurisdictional determinations associated with the permit.	r signature on the Standard
• APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditappeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.	tions therein, you may form and sending the form
C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Pro Section II of this form and sending the form to the division engineer. This form must be received by the division engineer date of this notice.	ocess by completing er within 60 days of the
D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new	information.
• ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 6 notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.	•
• APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineer Process by completing Section II of this form and sending the form to the division engineer. This form must be received within 60 days of the date of this notice.	rs Administrative Appeal by the division engineer

ISECTION IL TREQUESTER OR APPEAR OF OBJECTIONS FOR APPEAL OR OBJECTIONS: (Describe your reproffered permit in clear concise statements. You may attach additional objections are addressed in the administrative record.)	asons for appealing the decision or	your objections to an initial
·		
•	·	
•		
ADDITIONAL INFORMATION: The appeal is limited to a revie	w of the administrative record the	Corns memorandum for the
record of the appeal conference or meeting, and any supplemental	information that the review officer	has determined is needed to
clarify the administrative record. Neither the appellant nor the Co	rps may add new information or an	alvses to the record. However.
you may provide additional information to clarify the location of in POINTAGE CONTROL ACTIVE OF THE PROPERTY O	information that is already in the ad	ministrative record.
If you have questions regarding this decision and/or the appeal	If you only have questions regard	ling the appeal process you may
process you may contact:	also contact:	
Project Manager as noted in letter	for process: Stuart Santos 904-232-2018	
	Statit Santos 900 202 2010	
RIGHT OF ENTRY: Your signature below grants the right of ent	l ry to Corns of Engineers personnel	and any government
consultants, to conduct investigations of the project site during the	course of the appeal process. You	will be provided a 15 day
notice of any site investigation, and will have the opportunity to pa		m.11
	Date:	Telephone number:
Signature of appellant or agent.		
	<u></u>	
•		

# **DEPARTMENT OF THE ARMY PERMIT**

Permittee: Palm Beach County Board of County Commissioners

Department of Airports

C/o Gary Sypek, Director of Planning 846 Palm Beach International Airport

West Palm Beach, FL 33406

Permit No: SAJ-1991-00402 (IP-EGR)

## 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 project is to fill 63.35 acres of wetlands and 0.37 acres of surface waters (ditches/canals) in order to eliminate habitat that attracts hazardous wildlife to the North Palm Beach County General Aviation Airport operation area. Approximately 15.24 acres of the 63.35 acres of wetland impacts were previously authorized under the original Corps permit for the airport dated July 29, 1992 but were not filled by the Permittee. The project includes the construction of 95 linear feet of sheet pile and the modification of Water Control Structure No. 2 to reduce unintended offsite flows. The work described above is to be completed in accordance with the 19 pages of drawings and 3 attachments affixed at the end of this permit instrument.

<u>Project Location</u>: The project is located in waters of the U.S., at the North Palm Beach County General Aviation Airport, adjacent to the intersection of Bee Line Highway and Aviation Boulevard, Sections 33, 34, and 35, Township 42 South, Range 41 East, Palm Beach County, Florida.

<u>Directions to site</u>: From I-95 in West Palm Beach, exit PGA Boulevard and head west to Bee Line Highway. Take a right onto Beeline Highway and turn left onto Aviation Boulevard to the project site.

Latitude & Longitude: Latitude 26.847° North Longitude 80.222° West

Airport Wildlife Hazard Abatement

PERMITTEE: Palm Beach County Board of County Commissioners

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## **Permit Conditions**

## **General Conditions:**

- 1. The time limit for completing the work authorized ends on \_\_\_\_\_\_. 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. All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410. The Permittee shall reference this permit number, SAJ-1991-00402 (IP-EGR), on all submittals.

Airport Wildlife Hazard Abatement

PERMITTEE: Palm Beach County Board of County Commissioners

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2. Within 60 days of completion of the authorized work or at the expiration of the construction authorization of this permit, whichever occurs first, the Permittee shall submit asbuilt drawings of the authorized work and a completed As-Built Certification Form (Attachment B) 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 (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 drawing should show all "earth disturbance," 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.
- 3. The Permittee shall conduct a pre-construction meeting prior to commencement of construction operations in order to notify in-house staff, field crews, contractors, subcontractors, and all persons involved in the construction of the conditions of this permit. The Permittee shall inform staff members and contractors of the construction area boundaries as shown on the attached permit drawings. Copies of the permit and specific conditions shall be available at the construction site.
- 4. All fill material shall be contained in a manner that prevents unauthorized impacts to waters of the U.S. 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. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas adjacent to wetlands and other waters of the U.S. shall be stabilized using sod, degradable mats, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.
- 5. Prior to the initiation of any of the work authorized by this permit the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom

Airport Wildlife Hazard Abatement

PERMITTEE: Palm Beach County Board of County Commissioners

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around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all erodible materials have been stabilized.

- 6. 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.
- 7. The applicant shall comply with the Standard Protection Measures for the Eastern Indigo Snake, Service 2002 (Attachment C). Additionally, all gopher tortoise burrows, active or inactive, will be evacuated prior to site manipulation in the vicinity of the burrow in accordance with the Florida Fish and Wildlife Conservation Commission's latest Gopher Tortoise Permitting Guidelines. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. Holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area, and if occupied by an indigo snake, no work shall commence until the snake has vacated the vicinity of the proposed work.
- 8. If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at (850) 245-6333 or (800) 847-7278, as well as, the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.
- 9. Within 30 days from the date of initiating the authorized work, the Permittee shall provide verification to the Corps that 36.71 federal wetland mitigation credits (10.90 forested credits and 25.81 herbaceous credits) have been debited from the Pine Glades West Mitigation Area as authorized under DA permit number SAJ-2011-02278. The required verification shall reference this project's permit number (SAJ-1991-00402).
- 10. 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 Palm Beach Gardens Regulatory Office.

Airport Wildlife Hazard Abatement

PERMITTEE: Palm Beach County Board of County Commissioners

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## **Further Information:**

- 1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
  - () Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
  - (X) 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.

Airport Wildlife Hazard Abatement

PERMITTEE: Palm Beach County Board of County Commissioners

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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.
- 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.

PERMIT NUMBER: SAJ-1991-00402 (IP-EGR) Airport Wildlife Hazard Abatement PERMITTEE: Palm Beach County Board of Cou PAGE 7 of 9	
Your signature below, as permittee, indicates that and conditions of this permit.	you accept and agree to comply with the terms
(PERMITTEE) SHELLEY VANA, CHAIR	(DATE)
PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS (PERMITTEE NAME-PRINTED)	
This permit becomes effective when the Federal o the Army, has signed below.	fficial, designated to act for the Secretary of
(DISTRICT ENGINEER) Alfred A. Pantano, Jr. Colonel, U.S. Army District Commander	(DATE)
APPROVED AS TO TERMS AND CONDITIONS:	

Airport Wildlife Hazard Abatement

PERMITTEE: Palm Beach County Board of County Commissioners

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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)	
(CITY, STATE, AND ZIP CODE)	

Airport Wildlife Hazard Abatement

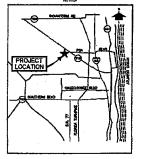
PERMITTEE: Palm Beach County Board of County Commissioners

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## Attachments to Department of the Army Permit Number SAJ-1991-00402 (IP-EGR)

- 1. Permit Drawings: 19 pages.
- 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. Attachment A.
- 3. As-Built Certification Form. Attachment B.
- 4. Standard Protection Measures for the Eastern Indigo Snake (FWS 2002). Attachment C.

## VICINITY MAP



# NORTH PALM BEACH COUNTY GENERAL AVIATION AIRPORT

WEST PALM BEACH, FL

LPA PROJECT NO. 04380331

## LOCATION MAP



# BOARD OF COUNTY COMMISSIONERS

KAREN T. MARCUS	DISTRICT
JEFF KOONS	DISTRICT
SHELLEY VANA	DISTRICT
STEVEN L. ABRAMS	DISTRICT
BURT AARONSON	DISTRICT
JESS R. SANTAMARIA	DISTRICT
PRISCILLA A. TAYLOR	DISTRICT



# COUNTY ADMINISTRATOR ROBERT WEISMAN

#### DEPARTMENT OF AIRPORTS

BRUCE V. PELLY, DIRECTOR OF AIRPORTS JERRY L. ALLEN, DEPUTY DIRECTOR OF AIRPORTS GARY SYPEK, DIRECTOR OF PLANNING

# WETLAND WILDLIFE HAZARD MITIGATION PERMIT DOCUMENTS

AUGUST 2011



US ARMY
CORPS OF ENGINEERS

MAR 0 2 2012



## THE LPA GROUP INCORPORATED

**Transportation Consultants** 

A UNIT OF MICHAEL BAKER CORPORATION

45B WOODLAND CORPORATE BOULEVARD

SUITE 40, TAMPA, FLORIDA, 3594

(813) 889-3897, 2813 889-3893 FAX

FLORIDA CORPORATE LICENSE NO. 00004307

#### LIST OF DRAWINGS

DWG, NO.	DESCRIPTION
G-101	COVER SHEET
G-102	GENERAL NOTES
G-103-1	PROJECT LAYOUT PLAN
C-101-1	GRADING PLAN KEY SHEET
C-101-2 THRU C-101-3	GRADING PLAN (PHASE 1)
C-101-4	GRADING PLAN (PHASE 2)
C-101-5	GRADING PLAN (PHASE 3)
C-101-8	GRADING PLAN (PHASE 4)
C-102-1	TYPICAL SECTION
C-103-1 THRU C-103-3	EROSION CONTROL DETAILS
C-194-1	STORMWATER POLLUTION PREVENTION PLAN
C-105-1 THRU C-105-2	DEWATERING PLANS
C-106-1	ORAINAGE DETAIL

PALM BCH GRDNS, OFFICE
COE #: 5A3 - 1991 - 8040 Z
PROJECT MANAGER:
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#### GENERAL NOTES

- NOTICES TO ARMEN (NOTAKE) CONTRACTOR SHALL PROVIDE THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS (PAVEMENT CLOSING, TEINS, ETC.) TO THE OWNER A MINIMUM OF SEVEN (7) DAYS PRIOR SO THAT A NOTAM COM SET SSUED IN ACCORDANCE WITH ESTREISHED CRITERIA BY THE OWNER TO THE FLAR THE SERVICE STATE.
- 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE STORAGE AND SECURITY OF HIS MATERIAL AND EQUIPMENT AND SHALL ERECT STORAGE FACILITIES
- CONSTRUCTION STAYE OUT SHALL BE PERFORMED BY CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MEASUREMENTS THAT MAY BE REQUIRED TO LAYOUT THE CONSTRUCTION. THE COST OF STAYING WILL NOT BE PAID FOR DIRECTLY AND SHALL BE ENCLUDED IN THE UNIT PRICES FOR THE VARIOUS ITEMS OF WORK
- THE CONTRACTOR'S STORAGE AND STAGING AREA(S) AND HALL ROUTES SHOWN ON THE PLANS ARE GENERAL AND FOR INFORMATIONAL PURPOSES ONLY. THE ACTUAL SIZE AND LOCATION OF STAGING AREA AND HALL ROUTES WILL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
- 5. ALL NON-PAVED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS, SUCH AS THE CONTRACTOR'S ACCESS ROAD, STAGING AREA, HAUE, ROUTES, ETC., SHALL CONTRACTOR'S ACCESS ROAD, STAGING AREA, HAUL ROUTES, ETC., THESE RESTORED TO THESE ORGANAL CONDITION AND SCODED FER ITEM THAT UPON COMPLETION OF THE PROJECT. IN ADDITION, ALL EDISTING ROADS, APROMS AND TAXWAYS THAT WILL BE LESSED AS THE CONTRACTOR'S HAUL ROUTE SHALL SE HAUNTRAVED OURING CONSTRUCTION AND RESTORED TO THEIR PRE-CONSTRUCTION CONDITION. NO SEPRANTE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS ITEM.
- THE CONTRACTOR SHALL CONDUCT HIS CONSTRUCTION OPERATIONS AS SHOWN ON THE PROJECT LAYOUT SHEET, SAFETY PLANS, AND APPROVED PHASING PLAN. THE CONTRACTOR SHALL CORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE PECOD PROJECT MANGER TO NAMINE INTERFERENCE TO AIRCRAFT OPERATIONS DURING CONSTRUCTION.
- 7 THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE AT ALL TIMES FOR THE PURPOSE OF CONTROLLING DUST AS REQUIRED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL VISIT SITE TO DETERMINE EXISTING CONDITIONS PRICE TO SUBMITTING BID. THE CONTRACTOR SHALL REPORT TO THE PRODOM PROJECT MANAGER ANY VARIATIONS FROM THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS.
- 9. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- TAYMMYS AND SYSTING ASSOCIATIONS SHALL BE KEST ESSE OF ALL DERRIS, DIRT. TAXIMAYS AND EXTRING APPICING SHALL BE KEP! FIXED OF ALL, LIBERS, JIM'S PLICAGE OF EXCLAVATION OR OTHER MATERIAL.

  SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR WITH A MOTOR
  DRIVEN SWEEPER OR VACUUM AS REQUIRED BY THE PRODO PROJECT
  MANAGER, A PROGRAM OF REGULAR TAXIMAY AND APRON INSPECTION WILL. BE PLANNED BY THE CONTRACTOR, THE AIRPORT MANAGER AND THE PRODOCA PROJECT MANAGER.
- 11. ALL DISPUTES ARISING FROM THE CONTRACTOR SHALL BE DECIDED BY THE PBCDOA PROJECT MANAGER, WHOSE DECISION SHALL BE FINAL.
- 12. EXISTING EASEMENTS TO OTHER PROPERTIES SHALL BE MAINTAINED AT ALL
- 13. THE EXISTING AIRPORT PAVEMENTS, ACCESS ROADS AND HAUL ROUTES MAY NOT BE CAPABLE OF SUPPORTING CERTAIN TYPES OF CONSTRUCTION FOUR TO BUDDING, THE CONTRACTOR SHALL FULLY SATISFY HIMSELF AS TO THE STABLITY OF THE EXISTING AIRPORT PAVEMENTS TO HIMSELF AS TO THE STARLITY OF THE EXISTING AIRPORT PAYMEMENTS TO SATISFACTORITY, SISTEM THE TYPE OF EQUIPMENT HE PLANS TO USE THE CONTRACTOR SHALL SIZE THE EQUIPMENT USED FOR CONSTRUCTION ACCORDINGLY. ANY CHANGE COLUSED BY HAULHING OR ANY THE CONSTRUCTION ACTION TO COSTING PAYMENT SHALL SE REPAIRED BY THE CONTRACTOR AT NO ADMINIONAL COST TO THE OWNER.
- 14. AREAS OUTSIDE THE PROJECT LIMITS ARE DESIGNATED AS RESTRICTED DEAR THE CONTRACTOR'S FORCES ARE PROHIBITED FROM FUTERING RESTRICTED AREAS AT ANY TIME, UNLESS SPECIFICALLY AUTHORIZED BY THE PECDOA PROJECT MANAGER OR AIRPORT MANAGER
- 15. THE PRODOA PROJECT MANAGER SHALL DESKNATE AREAS TO BE USED BY THE CONTRACTOR FOR THE PAPKING OF CONSTRUCTION EQUIPMENT AND VEHICLES WHEN NOT ENGAGED IN THE CONSTRUCTION DURING NON-WORKING DAYS AND NIGHT'S AS WELL AS AREAS FOR CONTRACTOR'S EMPLOYEES' AUTO PARKING.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE CLEANUP AND DISPOSAL OF ALL TRASH AND DEBRIS GREATED BY HIS WORK OR PERSONNEL. NO BURNING IS ALLOWED ON SITE. ALL TRASH AND DEBRIS MUST BE DISPOSED OF OFF SITE.
- 17. THE CONTRACTOR SHALL MANTAIN SECURITY WITHIN THE PROJECT SITE AT ALL TIMES. NO UNAUSTHORIZED PERSONNEL SHALL BE ALLOWED ON THE SITE ALL CATES MUST BE LOCKED AT ALL TIMES, A CATE GUARD MAY BE USED. NO ADDITIONAL PAYMENT WALL BE MADE IF CONTRACTIOR ELECTS TO USE A CATE
- 18. THE MATERIAL FROM THE WETLAND WILL BE TRANSFERRED TO THE STAGIS STOCKPULE AREA BY UISING TRUCKS, LINSUITABLE MATERIA, MAY RE-TEMPORARIX STOCKPULED IN DESIGNATED AREAS FOR DRIVING, BUT ULTIMATELY MUST BE DISPOSED OF OFFSITE AT AN APPROVED LOCATION.
- 19. TRUCKS SHALL BE EQUIPPED WITH APPROVED LOAD COVERS THAT WILL BE SECURED ALONG THE TRUCK ROUTE.

- 20. THE YRUCKS SHALL BE LOADED SO THAT NO MATERIAL AT ANY POINT IN THE BED IS HIGHER THAN THE SIDE OF THE TRUCKBED.
- 21. ANY MATERIAL SPILLED FROM ANY TRUCK ALONG THE ROUTE IS THE MATCHELTY OF THE CONTRACTOR AND SHALL BE CLEANED IN MAMEDIATELY, AS DIRECTED BY THE ENGINEER.
- 22. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP A SPILL PREVENTION AND COUNTERMEASURES PLAN AND A STORMWATER POLLUTION PREVENTION PLAN FOR THE ENGINEER'S APPROVAL, AND MAINTAIN SAME.
- 23. ELEVATIONS ARE BASED ON NAVD 68 VERTICAL DATUM. ELEVATION DOT NAVO AR a 1 SR NAVO 29
- 24. HORIZONTAL DATUM IS BASED ON NAD 63 DATUM.

#### SAFETY NOTES

- THE CONTRACTOR SHALL OBTAIN, HAVE KNOWLEDGE OF, AND INCORPORATE THE FOLLOWING SAFETY PROVISIONS INTO THE CONSTRUCTION PROJECT: - OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION - AC
- ~ AIRPORT SAFETY SELF-INSPECTION AC 1605200-18. - PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AIRPORTS - AC
- GROUND VEHICLE OPERATIONS ON AIRPORTS 150/5210-20
- ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA THROUGH THE PROJECT ACCESS ROUTES APPROVED BY THE PROJECT APPROJECT MANAGER ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL GATES HE USES FOR ACCESS ONTO THE AIRFIELD.
- THE CONTRACTOR WILL NOT BE ALLOWED TO USE ANY OF THE EXISTING RIE CONTROL TO THE HOUSE AND THE HAUL ROAD UNLESS SPECIFICALLY AUTHORIZED BY THE PRODOA PROJECT MANAGER.
- 4. THE CONTRACTOR WILL HAVE A WORKING RADIO ON SITE AT ALL TIMES OURIN CONSTRUCTION AND SHALL ASSIGN RESPONSIBLE PERSONNEL, INCLUDING ALL FLAGMEN, TO CONTINUOUSLY MONITOR THE APPROPRIATE FREQUENCY, THE CONTRACTOR WILL ALSO PROVIDE THE RESIDENT INSPECTOR WITH AN APPROVED PAULO FOR USE DURING THE DURATION OF CONSTRUCTION. THE ROBIOS SHALL BE AS SPECTICED IN THE PROJECT MAN AND WILL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN THE PROJECT IS COMPLETE.
- 5. NO CONTRACTOR VEHICLES, EQUIPMENT, OR PERSONNEL SHALL CROSS OR BE WITHIN ANY BUNNAY OR TAXIMAY GRIECT FREE AREA, EXCEPT DURING CONSTRUCTION PERIOD CLOSURES AS CUTLINED ASOVE OR WHEN CLEARANCE IS REQUIRED FROM AND GRANTED BY PECDOA.
- 6 THE CONTRACTOR SHALL MAINTAIN ALL AIRPIELD SAFETY DEVICES, SUCH AS THE CONTROLLOW SYNDLAWSHING AND AN EMPORT DEVELOPS, SUCH AS STANED LIMIT LINES, FOR THE DURATION OF THE PROJECT AS REQUIRED. DAMAGED STAKES OR FLAGGING SHALL BE REPLACED IMMEDIATELY. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWND THE LOCATION OF LIMIT LIVES FOR EACH PHASE AND FOR THE PROJECT DURATION TO THE PSCOOL PROJECT.
- 7. THE CONTRACTOR SHALL WORK WITH THE PECCOA PROJECT MANAGER IN THE CONTRACTOR SHALL WORK WITH THE PRODON PROJECT MANAGER IS SCHEDULING ALL TAXIMAY OPENINGENCIONISED TO BE CONSISTENT WITH AIRPIELD OPERATIONS, WHEN THE CONTRACTORS OPERATIONS CROSS ACTURE TAXIMAYS. HE SHALL BE REQUIRED TO PROVIDE A PLAGMAN ON EACH SIDE OF ACTIVE CROSSING TO GREET VEHICULAR TRAFFIC AND PROTECT HAND ARRIVATION SHALL ALSO HAVE SULTABLE EQUIPMENT APPROVED BY THE PRODON PROJECT WANDAGER AT MACK CROSSING TO KEEP THE COOKING CONTRACTOR CONTRACTOR
- 8. ALL ACTIVE AIRPORT OPERATIONAL AREAS WHICH ARE ADJACENT TO A ALL ACTIVE AIRFORD OF MAILONAL AREAS WINEA WAS ADJACENT TO A CONSTRUCTION WORK AREA SHALL BE SEPARATED BY TYPE IDANIELTS WITH RED IT ASHING LIGHTS. HO CONSTRUCTION TRAFFIC WILL CROSS ACTIVE AIRPORT OPERATIONAL AREA, THE CONTRACTOR SHALL PREVIOUS AND MAINTAIN THE BARRIERS. SEE SPECIFICATION 31530 FOR ADDITIONAL
- Q JET ARROPART OPERATING ON THE ARRIED D MAKE THE CONSTRUCTION AREA A JET ARCORPT OPERATING ON THE ARRICALD MAKE THE UNION THAT THE THE THE CONTRACTORS AND ASSED TO THAT THE THE MECESSARY PRECAUTIONS, SUCH AS THE USE OF EAR PLUGS AND EAR MURFEY TO PREVENT EAR MULTIFY TO ANY PERSONNEL WORKING IN THE AREA. LORD RPS OF ENGINEERS TO PREVENT EAR MULTIFY TO ANY PERSONNEL WORKING IN THE AREA. LORD RPS OF ENGINEERS
- 10. EACH CONTRACTOR AND SUBCONTRACTOR EMPLOYEE, WHO WILL OPERATE A GROUND VEHICLE ON ANY PORTION OF THE ARRESTOR OPERATIONS ATEA (AGA) AT NORTH PALM BEACH COULTY CENERAL AVAITON ARRORT MUST BE FAMILIAR WITH AND UNDERSTAND THE FOLLOWING:
- A. THE AIRPORT'S RULES AND REGULATIONS.
- B. THE AIRPORT'S PROCEDURES FOR THE OPERATION OF GROUND VEHICLES.
- C. THE DESIGNATED HAUL ROUTES FOR THIS PROJECT, AND THE OPERATIONAL REQUIREMENTS AND LIMITATIONS DEFINED FOR AND GOVERNING ROUTES.
- PALM BCH GRDNS. OFFICE COE #: D. THE CONSEQUENCES OF NONCOMPLIANCE WITH THE ABOVE. IN ADDITING JECT MANAGER:
  ALL DRIVERS ON THE ARRIFLED WILL HAVE TO ATTEM ON AN AIRPORT PRINCES.

  APPLY COURSE AND ALL PEOPLE ORNING ON TAXINAYS WILL HAVE TO A ATTEND AN AIRPORT MOVEMENT AREA TRAINING CLASS PRIOR TO DRIVING ON THE AIRFIELD.
- 11. CONSTRUCTION VEHICLES MUST YIELD TO AIRCRAFTS AT ALL TIMES.

#### EROSION CONTROL NOTES

#### GENERAL

1. SILT FENCING AND/OR OTHER EROSION CONTROL DEVICES WILL BE REQUIRED TO CONTROL EROSION AS SHOWN ON THEIR PAIN THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THESE MEASURES THROUGHOUT CONSTRUCTION, ALL EROSION CONTROL DEVICES SHALL BE RISTALLED FROM TO ANY

#### DEMOLITION NOTE

ALL DEMOLISHED MATERIALS GECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SHOWN ON THE PLANS.

#### SURVEY NOTES

- ALL WETLAND SURVEY AND TOPOGRAPHY INFORMATION PROVIDED BY PALM BEACH COUNTY ENGINEERING SERVICES WAS COMPLETED BY 2/11/2010.
- WETLAND BOUNDARIES WERE FLAGGED BY THE LPA GROUP INCORPORATED AND REVIEWED BY SPWMD.
- TOPOGRAPHIC INPORMATION OUTSIDE OF WETLANDS WAS RECEIVED FROM THE ALP PREPARED BY CHZMHILL.

#### UTILITY NOTES

- CONTRACTOR WILL PROTECT ALL EXISTING AIRRIELD LIGHTING, SIGNS, AND NAVAID EQUIPMENT IN THE VICINITY OF THE WORK AREA ANY DAMAGE WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ALL PERMANENT AND TEMPORARY UTILITY CONNECTIONS TO THE STAGING AREA.
- PRIOR TO DIGGING ANY TRENCHES, CONTRACTOR SHALL HOTIFY ALL UTILITIES (ELECTRIC, GAS, TELEPHONE, WATER, SEWER) AND OBTAIN LOCATIONS OF UNDERGROUND UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND MENTIFICATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES IN THE CONSTRUCTION AREA. ANY DAMAGES TO PIPELINES IN THE COUNTRICTION AREA. ANY OMDAGES TO EDETINES IN THITTES OR UNDERSHOUND PIPELINES ON DR OF ARPORT PROPERTY SHALL SET THE RESPONSIBILITY OF THE CONTRACTOR. ALL REPART BOWNS SHALL MEET THE PREVAIL OF THE CHARGE OF THE DAMAGED LITTY. NO RESPAUSINGSMENT WALL SE ALLOWED FOR UNILITY PER PEPAIR OR REPLACUMENT.
- ANY UNPLANNED, UNAPPROVED, OR ACCIDENTAL SHUTDOWN OR INTERRUPTION OF SERVICE TO ANY LIGHTING CIRCUIT OR NAVIGATIONAL AID REQUIRES IMMEDIATE NOTIFICATION OF THE THE MAPPING THE LOUD PROPERTY OF THE MAPPING THE MAPPING THE SECTION PROLETY THAT ARE BY THE CONTRACTOR. THE COST OF MATERIALS AND LABOR REQUIRED TO REPAIR THE LIGHTING CIRCUIT SHALL BE BORNE BY THE CONTRACTOR.

**US ARMY** 

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#### EARTHWORK NOTES

- THE TOPSOIL PLACEMENT AREA REPRESENTS THE TOTAL DISTURBED AREA WITHIN THE CONSTRUCTION LIBITS, UNDER THE TOPSOIL PLACEMENT TIPM THE CONTRACTOR HE RESPONSIBLE FOR PROVIDING SUITABLE MATERIAL MEETING THE SPECIFICATION AND TESTING RECURRENISTS POUND IN THE PROJECT SESPERIATIONS.
- STRIPPING EXISTING VEGETATION SHALL BE MEASURED AND PAID FOR AS P-152 EXCAVATION.
- TREE REMOVAL WILL BE RESTRICTED TO THE AREAS SNOWN ON THE PLANS AND WILL BE PAID UNDER ITEM P-151 CLEARING.

GENERAL LEGEND

EXISTING CONDITIONS

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IN GROUND SPRINKLES

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UNDERGROUND ELECTRIC LINE



NORTH PALM BEACH COUNTY GENERAL AVIATION AIRPORT WEST PALM BEACH, FLORIDA

THE LPA GROUP TRANSPORTATION CONSULTANTS AUSTO MODEL BARR DOSCORATION A UNIT OF MICHAEL BAIGH CORPORATION
ASSO MODOLAND CORPORATE BLVD.
SUITE 400, TAMPA, FLORIDA 23814
(SIJ) 888-3882
CORPORATE LICENSE MINISCH COCO4307

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#### UTILITIES CONTACTS:

SUNSHINE STATE ONE CALL OF FLORIDA 800-432-4770

FLORIDA POWER & LIGHT (FPL) WEST PALM BEACH, FL 33401 561-616-1612 CONTACT: MR. JAY O. OWEN

BELL SCUTH 2021 MILITARY TRAIL WEST PALM BEACH, FL 33415 561-439-9230 CONTACT: MR. SRAD MILLER

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT 2065 PRAIRIE ROAD WEST PALM SEACH, FL 33416 581-841-3431 CONTACT: MR. JCSEPH TANCREDI

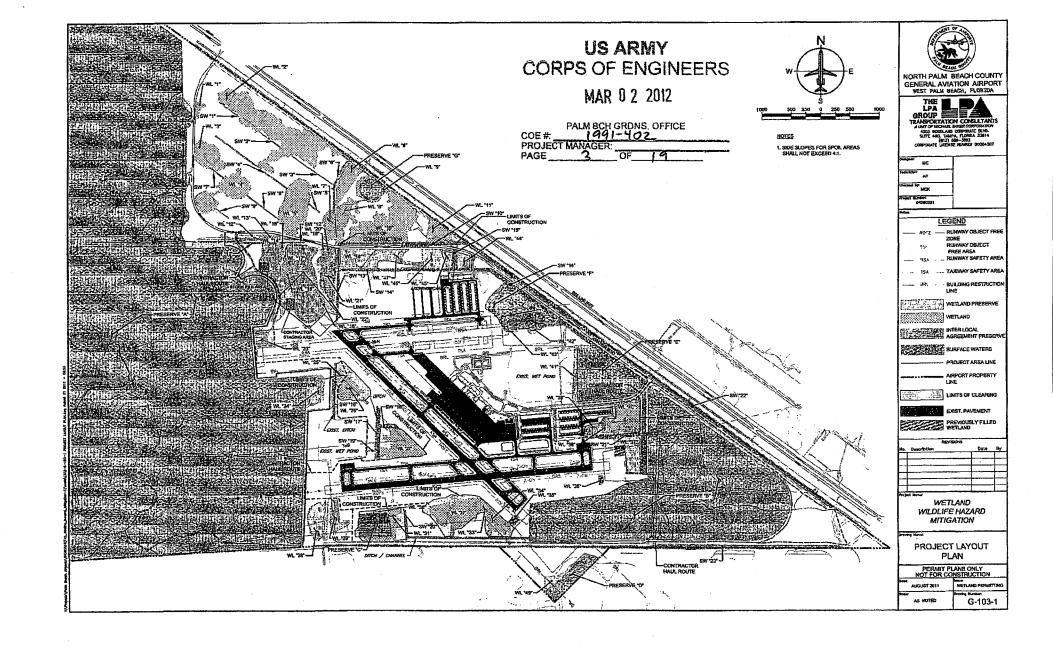
PALM REACH COUNTY DEPARTMENT OF PUBLIC WORKS WEST PALM BEACH, FL 33418 CONTACT: MS. REBECCA J MULGAHY

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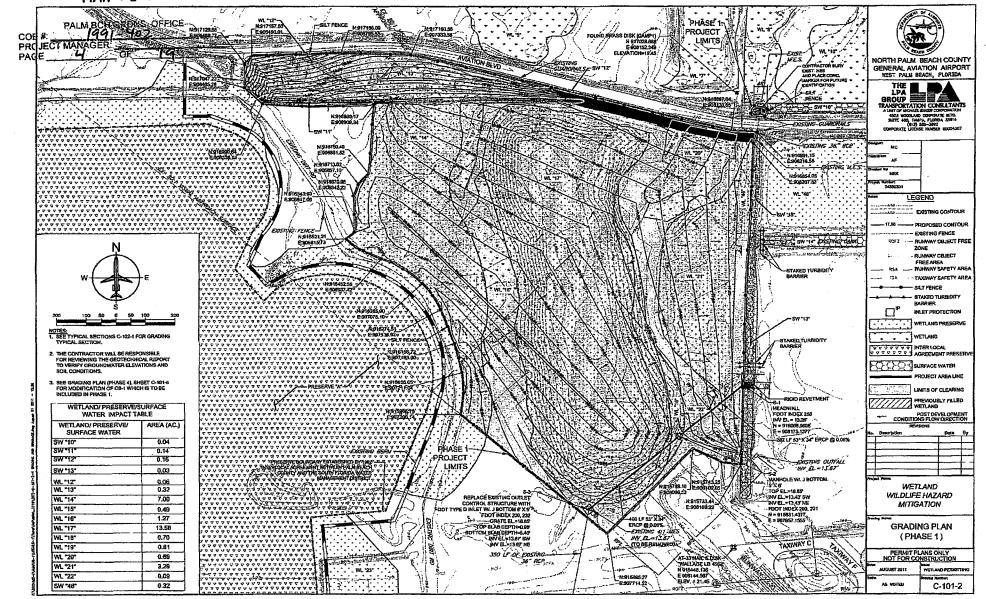
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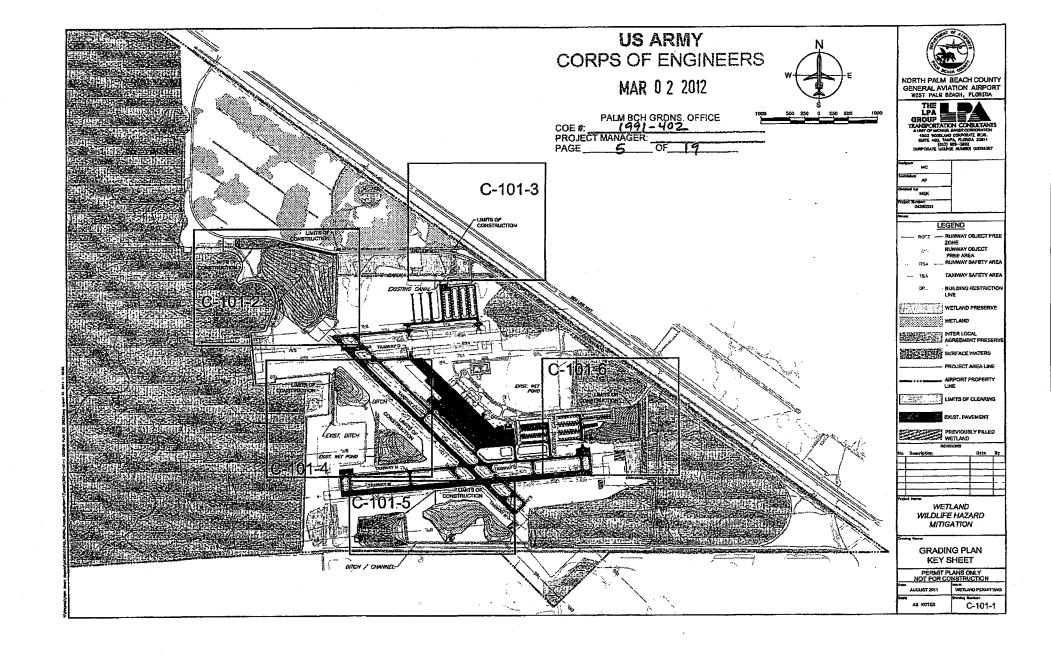
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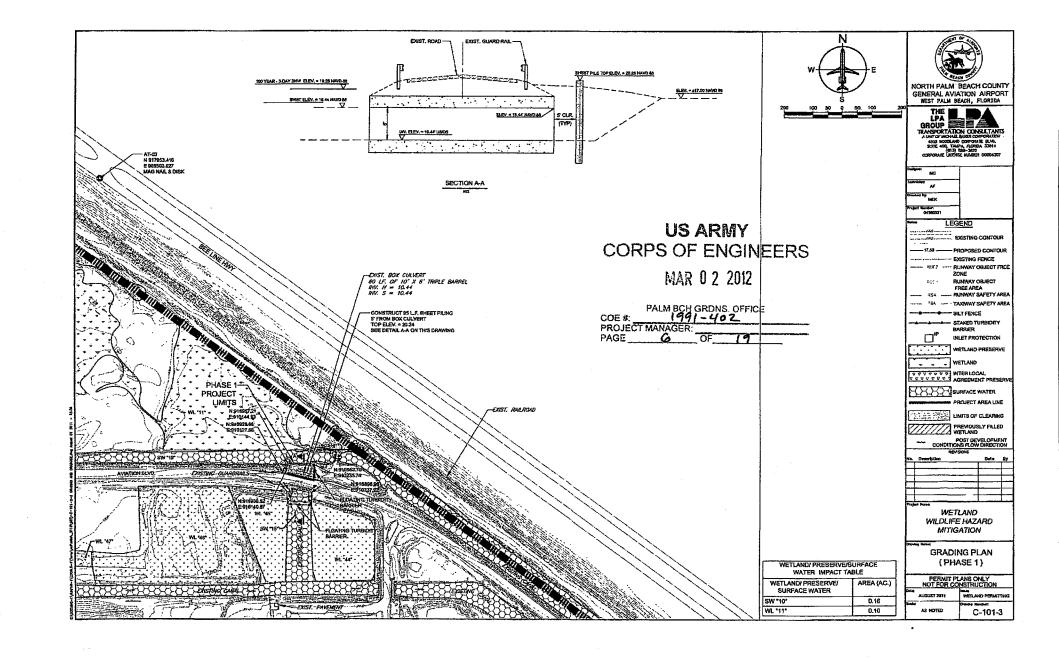


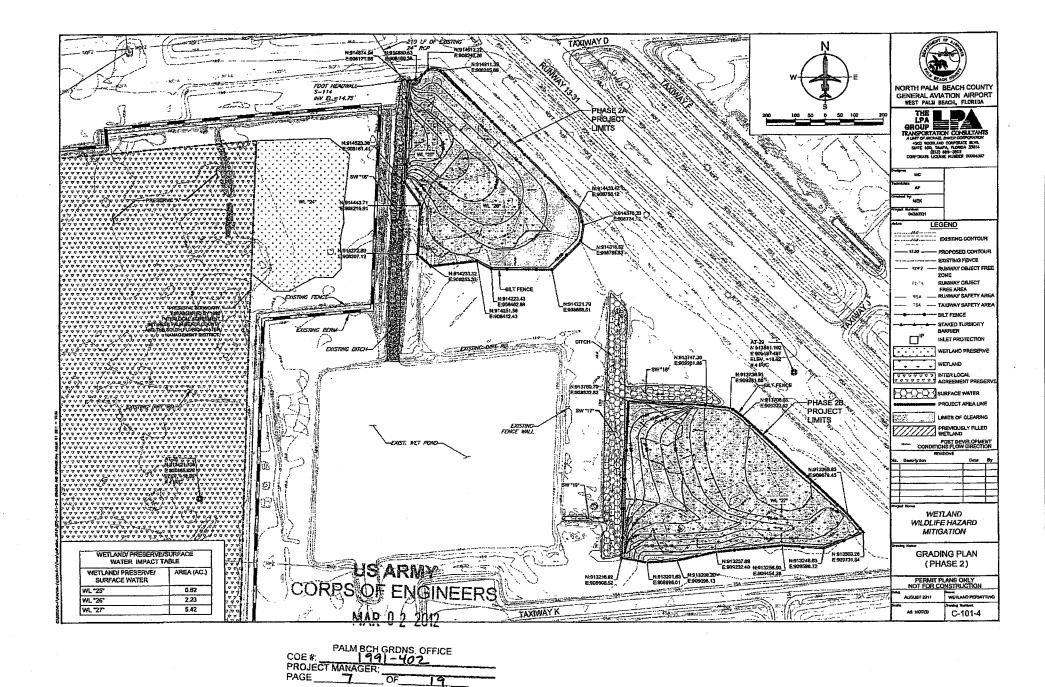
# US ARMY CORPS OF ENGINEERS

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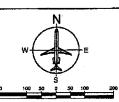


WETLAND/ PRESERVE WATER IMPACT T	
WETLAND/ PRESERVE/ SURFACE WATER	AREA (AC.)
PRESERVE "C"	5.00
WI, "30"	0.12
WL"31"	2.20
WL "34"	0.44
WL "35"	0.12

PREVIOUSLY PERMITTE	D IMPACT
WETLAND/PRESERVE/ SURFACE WATER	AREA (AC.)
WL "32"	6.93
WL "33"	2.71

# **US ARMY CORPS OF ENGINEERS** MAR 0 2 2012

PALM BCH GRDNS. OFFICE
COE #: 1991-402
PROJECT MANAGER:
PAGE OF 9



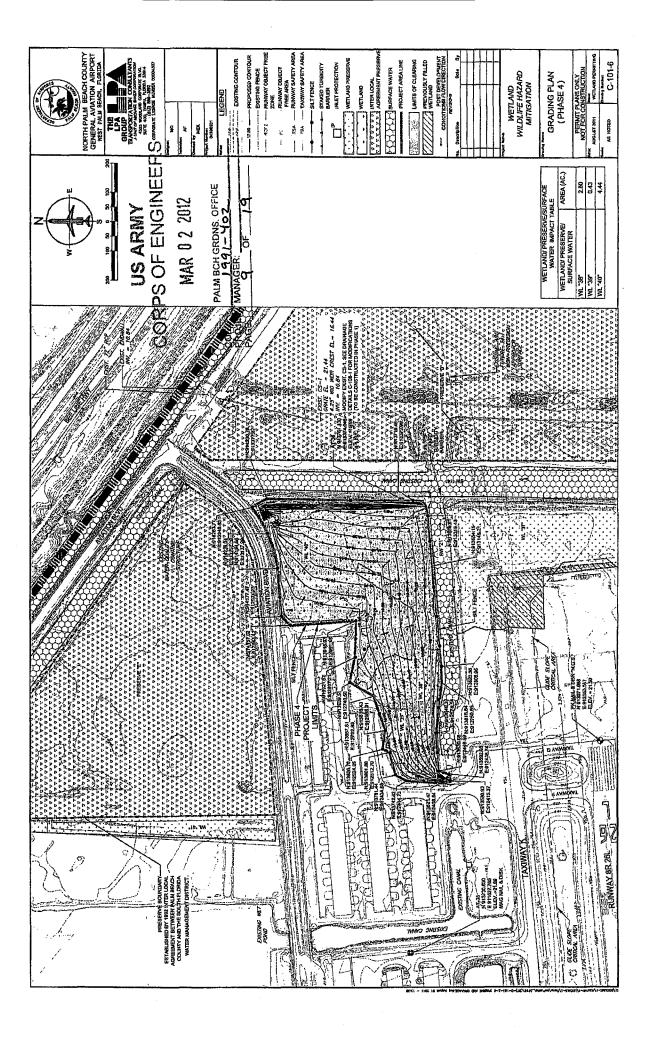
NORTH PALM BEACH COUNTY GENERAL AVIATION AIRPORT WEST PALM BEACH, FLORIDA

MEK

RUNWAY OBJECT FREE AREA INLET PROTECTION VVVVVVV INTER LOCAL

PERMIT PLANS ONLY
NOT FOR CONSTRUCTION
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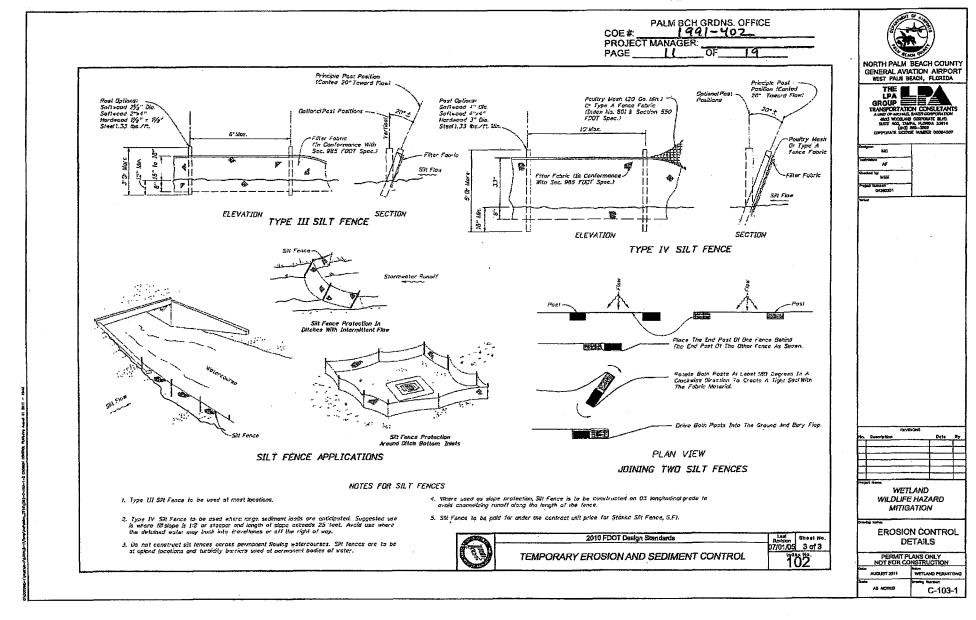
PROJECT LIMITS -PHASE 3A PROJECT LIMITS SALT FENCE V:912167.81 N.912132.41 N:812179.45 N:912061.62 E:910893.74 N:911929.71 E:910728.50 WETLAND WILDLIFE HAZARD MITIGATION GRADING PLAN (PHASE 3) C-101-5

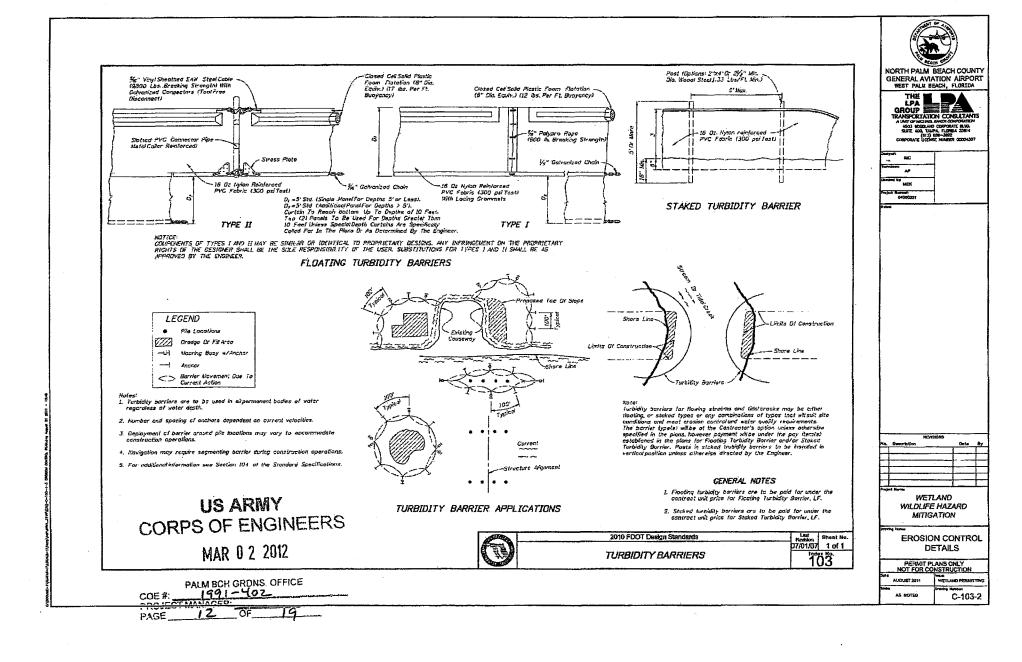


### LEGEND **US ARMY** TOPSOILING (3" TYP) CORPS OF ENGINEERS UNSUITABLE EXCAVATION NORTH PALM BEACH COUNTY GENERAL AVIATION AIRPORT WEST PALM BEACH, FLORIDA FILL MATERIAL MAR 0 2 2012 EXISTING SOIL PALM BCH GRDNS. OFFICE COE #: 1991 - 402 PROJECT MANAGER: CLEARING & GRUEBING 10 PAGE MC MEK LIMITS OF PRESERVES, WETLANDS, SURFACE WATERS AND UPLANDS (WHICH ARE PROPOSED TO BE CLEARED), (EXCLUDING WL "17" AND WL "18") LIMITS OF WL "17" AND WL "18" ) EXACT DEPTH OF WETLAND LINERS ARE UNKNOWN, 1.0' DEPTHS BELOW EXIST. GRADE HAVE BEEN FINISHED GRADE TO BE HYDROSEEDED (TYP) (T-801) OR SODDED (TYP) (T-804) ALL FILL MATERIAL IS TO BE COMPACTED IN 12" UFTS (TYP) UNLESS OTHERWISE SPECIFIED. APPROXIMATE GEOTEXTILE LINER EXIST -3" TOPSOIL (TYP) SILT FENCE 3) CLEAN SAND SHALL BE DEFINED AS POORLY GRADED FINE OR COARSE SAND WITH LESS THAN 5% FINES AND ORDANIC CONTENT, AND A VERTICAL INFILTRATION RATE OF ENGINEER MAY DETERMINE THAT ADDITIONAL UNSUITABLE MATERIAL BE EXCAVATED FROM THE SITE (ONLY WITHIN AREAS THAT ARE GEOTEXTILE LINER EXIST. ELEV. = 17.44 NAVID 88 PROPOSED TO BE DISTURBED. AND GRUBBING GEOTEXTILE LINER-EXISTING GRADE-1' UNSUITABLE EXCAVATION -REMONE ALL WETLAND TOPSOIL TO A DEPTH OF 3" IN ALL AREAS OF WETLANDS, UPON REMOVAL OF THE WETLAND LORDE, FILL WETLAND ON ON THE GRADNIS FLAND TO A DEPTH OF 3" BELOW FINAL GRADE, FILL WETLAND, AND TO A DEPTH OF 3" THE WETLAND TOPSOIL SHALL BE STOCKPILED AND ALLOWED TO ROY. THIS WATERUA, MAY BE USED FOR ALLOWED TO ROY. THIS WATERUA, MAY BE USED FOR TO DISPOSAL OF EXCESS MATERNALS, THE DOC. FIND DISPOSAL OF EXCESS MATERNALS, THE DISPOSAL OF EXCESS MATERNALS MATERN APPROXIMATE-GEOTEXTILE LINER EXST. ELEV. = 12.44 NAVO 88 BOTTOM OF WETLAND NOT LINED (TYP)-**GRADING TYPICAL SECTION** WETLAND WILDLIFE HAZARD MITIGATION TYPICAL SECTION PERMIT PLANS ONLY NOT FOR CONSTRUCTION C-102-1

# US ARMY CORPS OF ENGINEERS

MAR 0 2 2012





CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL Ever Dirth TRANSITION DETAIL NOT TO SCALE CORPS OF ENGINEERS US ARMY Plate 4.03b Soil Tracking Prevention Device Source: FDOT Roadway and Traffic Design Standards Figure 4.3b. Soil Tracking Prevention Device Source: FDOT Roadway and Traffic Design Standards EROSION CONTROL DETAILS

#### STORMWATER POLLUTION AND PREVENTION PLAN

#### 1. SITE DESCRIPTION

DISTRUCTION ACTIVITY: THE WORK FOR THIS PROJECT ODMINISTS OF DEMOLITION OF BEREBIT SITE GRADING AND RETALLATION OF STORM DRAWAGE.

MAJOR BOIL DETURENCE ACTIVITIES: THE MAJOR SOIL DETURENCE ACTIVITIES CONSIST OF EXCAVATION, FILL, AND SITE CRACING.
SOIL DISTURENCE ACTIVITIES WILL BE CONDUCTED IN PANSES TO MANAGE ENDISON POTENTIAL.

THE CONTRACTOR SHALL BE RESPONDELE FOR MAINTENN EROSION POTENTIAL BY PROVICING TEMPORARY TURE ESTABLISHMENT FOR AREAS THAT HAVE BEEN CLEARED AND WELL REMAIN MACTIVE FOR A PERIOD GREATER THAN THREE CALEDAR DAYS.

#### 2. ERCSION AND SEDIMENT CONTROLS

MATCHISHTATION OF ERUSION CONTROLS. THE SECURICE OF CONTROLTION WILL BE 
ACCORDANCE TO THE WORK AREAS AND MISSION OF THE SECURICE OF CONTROLTION WILL BE 
ACCORDANCE TO THE WORK AREAS AND MISSION OF THE SECURIC OF THE

EROBION CONTROL DEVICES ENDMI ON THE FIANG ARE MAINLING. CONTRACTOR IS RESPONSIVE FOR OVERALL STORM WATER POLLUTION AND FREVENTION, AND STRICTLY ADMERING TO THE CONDITIONS OUTLINED ON THE ENARRONMENTAL RESOURCE PERMIT AND OTHER APPLICABLE

- DRAINAGE CONVEYANCE: BRAINAGE DURING CONSTRUCTION OF THIS PROJECT WILL BE CONVEYED WITHIN THE PROJECT LIMITS AS FOUND IN THE EXISTING SITE CONDITIONS AND DEMONSTRATED
- C. DONTROLS: THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY CONSTRUCTING SOL TRACKING PREVENTION DEVICES, TEMPCRARY PERMITTER CONTROLS, AND PERMANENT TURE ESTABLISHMENT.

#### 1 PROSION AND SECREPAT CONTROL CHARTITIES

- A. DURNO CONSTRUCTOR DECISION PARTICIPATION OF THE PROPERTY OF
- B. ALL INLETS SHALL BE PROTECTED FROM SEDIMENT FOR THE ENTIRE DURATION OF THE PROJECT, SILT FRICE SHALL BE INSTALLED AROUND INLETS.
- C. SLT PENCING SHALL BE USED THROUGHOUT THE PROJECT'S DUPATION: THE PROJECT ENGINEER WILL VIDERFY LOCATION.

#### 4. CITHER CONTROLS

- A WASTE DISPORAL THE CONTRACTOR SHALL PROVING PERIOR CONTROL AND COLLECTION WITHIN THE CONTRACTOR OF THE PROVINCE OF THE CONTRACTOR OF THE PROVINCE OF T
- 8. SANITARY WASTE: THIS PROJECT CAMBE CLASSIFED AS BENGA "RUPA" AREA, THE CONTINUTORS FIRE OFFICE WILL CONNECT TO LANGUE, SEWING UNEST OF THE CONTINUTOR WILL REQUIRE SEWING CONSIDER OF A LANGUE UNITED WITH THE OFFICE WILL CONTINUED TO A LANGUE UNITED WITH THE OFFICE AND ADDITIONATION OF A LANGUE ENVIRONMENT OF THREE MESS PER MICH.
- C. NON-STORMWATER CONTAMINANTS: IF CONTAMINATED SOLS MEDIOR GROUNDWATER & ENCOUNTERED DURNO EXCAVATION, THE CONTRACTOR WILL NOTIFY THE PROJECT EMBRIER NAFIONATELY.

#### MAINTENANCE OF EROSION AND SEDMENT CONTROLS

- A. THE CONFRACTOR SHALL BE RESPONSING FOR DALY INSTRUCTION AND MAINTENANCE OF ALL CONTROL. DEVACES THROUGHOUT THE CONSTRUCTION PROGRAM, MAINTENANCE SHALL BE CONDUCTED IN ACCORDINATE WITH FOOT STANDARD SECREFACTIONS OF RINDUA AND STADE CONSTRUCTION (2019) SECTION 104, AND TROOT ROLAWAY DESIGN STANDARD (2019) SECTION 104, AND TROOT ROLAWAY DESIGN STANDARD (2019) SECTION 104, AND TROOT ROLAWAY DESIGN STANDARD (2019) STANDARD INSIDES (2019).
- ALL DEVICES WILL BE MAINTAINED IN GOOD WORKING GROER, IF REPAIR IS NECESSARY, IT WILL BE COMPLETED WITHIN 24 HOURS OF REPORT.
- C. STAKED SILT FENCING WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS IN FABRICA TO DETERMINE IF FABRICES SECURELY ATTACHED TO THE FENCE POSTS, AND TO DETERMINE IF THE FENCE POSTS ARE INSTALLED RINALY INTO THE GROUPS.
- SEDIMENT WILL BE REMOVED FROM THE MILET PROTECTION DEVICES WHEN STORAGE CAPACITY HAS BEEN APPROCULATELY BOX FILED OR AS DATECTED BY THE ENGINEER, GRAVEL WILL BE OF FAMED OR REPLACED WHEN SEDIMENT POOL NO LONGER DRANGS PROPERTY.
- SERMENT WILL BE REMOVED FROM REFINO THE TEMPORARY SAT FENCE WHEN IT BECOMES 8.5 FT, DEEP AT THE FROME THE TEMPORARY SRIT RENCE WILL BE REPARRED OR REPLACED, AS NECESSARY, TO MARKENIA & RANDOM
- P. TEMPOPARY ENERSION SWALES WILL BE CHECKED AFTER EVERY FAUMALL AND ANY SIGNIFICANT SEDIAGRIT BUILD UP WILL BE REMOVED AS DIRECTED BY THE ENCINCER.

#### E INSPECTION

WEBULY BISPECTION REPORTS: THE CONTRACTOR BHULL DOMPLETE THE WEBILY INSPECTION REPORTS AND QUANT THE REPORTS TO THE BRIDGET BACK WEBILT BACK. HISPECTIONS WILL BE COMMITTED AND RECORDED AFTER REVIEWAL ENGINEER THAN QUANTITY.

#### 7. NON-STORM WATER DISCHARGES

NO NON-STORM WATER DISCHARGES ARE ANTICIPATED FOR THE DURATION OF THIS PROJECT.

#### B. CRASSIN

ALL DISTURBED AREAS TO BE GRASSED SHALL BE SCODED IN ACCORDANCE WITH ITEM 7-44, AS BRIDGATED ON THE PRANS OR DISCOTED BY THE ENGINEER SEED OR SCO SHALL BE APPLIED WITHIN 14 DAYS OF THE CONTENTION OF GRADING OPERATIONS AND WITHIN THE PRESCRIBED PHASING SCHEDLLE, OR AS DIRECTED BY DISCORDED

#### 9. <u>FM</u>

ANY FIRES, PEVALTIES, OR OTHER COSTE ASSESSED BY STATE, LOCAL OR OTHER COMPRESSION CONTROL REQUIREMENTS OF COMPRESSION CONTROL REQUIREMENTS OF THE PROJECT ACHIEVED THE COUNTRY SHALL RECOURT THE RESPONSIBLE BY OF THE CONTROLTOR, AND ANY SHOULD ASSESSION SHALL BY ADD BY THE CONTROLTOR, WALL BE DESIDED.

#### IO. PAYME

THERE SHALL BE NO SEPARATE MEASUREMENT OR PAYMENT FOR EROSION AND SECURIOR STATE OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO AND INCIDENTAL THE SECURIOR OF THE RESIDENCE OF THE WORK SHALL BE CONSIDERED INCIDENTAL TO

#### 11. STORMWATER PERMITS

A SOUTH FLORE WATER MANAGEMENT DISTRICT PERMIT EMPROHESITAL RESOURCE PERMIT AND OPPORTUNE PERMIT AND OPPORTUNE PERMIT EMPROHESITAL RESOURCE PERMIT AND OPPORTUNE PERMIT EMPROHESITATION COMMENSATION WITHOUT SALL, BY COMPARISON OF THE PERMIT AND OPPORTUNE WATER WATER COMPARISON OF THE PERMIT AND OPPORTUNE WATER PERMIT COMPANY OF THE PERMIT AND OPPORTUNE WATER PERMIT COMPANY OF THE PERMIT COMPANY

US ARMY
CORPS OF ENGINEERS
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PROJECT MANA	AGER:	
PAGE	1 OF 19	

NORTH PALM BEACH COUNTY GENERAL AVIATION AIRPORT

THE LPA

GROUP

TRANSPORTATION CONSULTANTS

AND SOCIAL DEPONTE EVE.

SITT 500, TAMPA, FIDEN J. 3344

(915) 8887–3992

CORPORATE LEGISER MINISTRE CONSULTANTS

CORPORATE LEGIS MINISTRE CONSULTANTS

WEST PALM BEACH, FLORIDA

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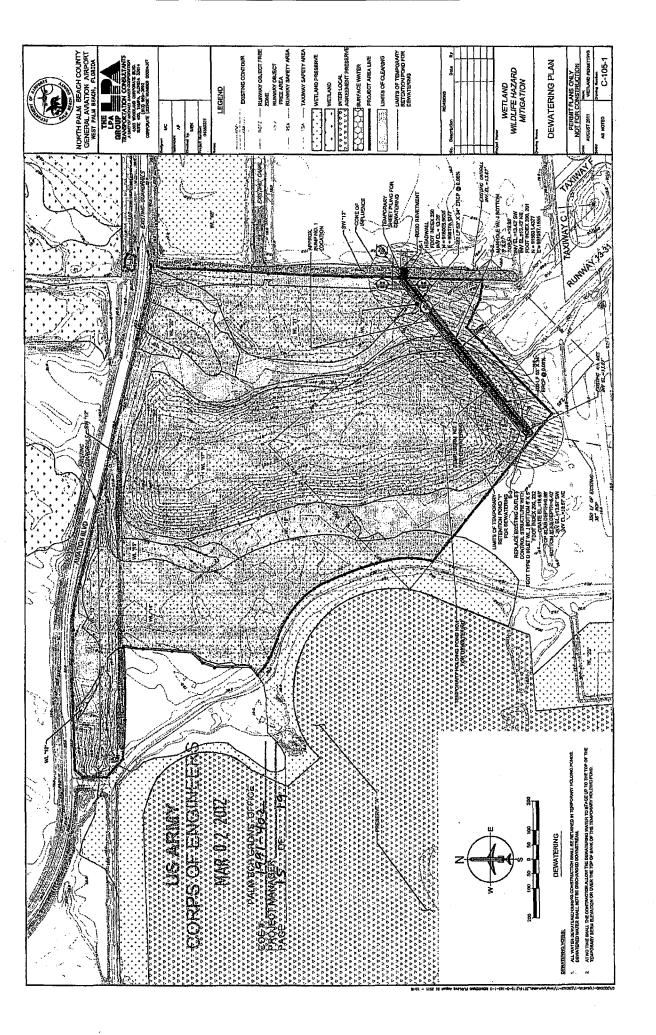
WILDLIFE HAZARD MITIGATION

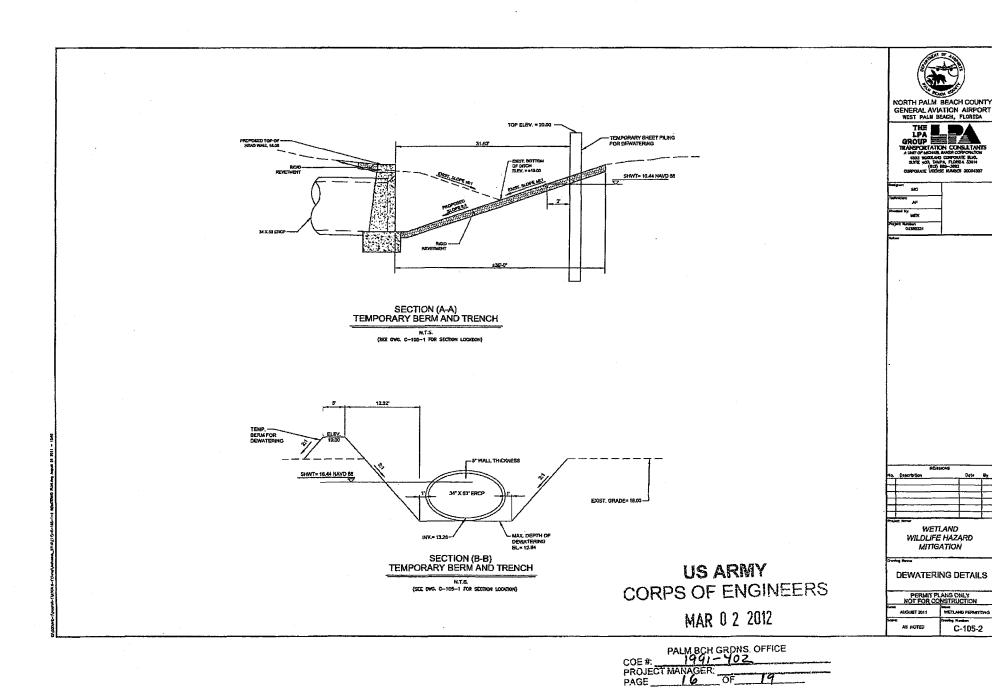
STORMWATER POLLUTION PREVENTION PLAN

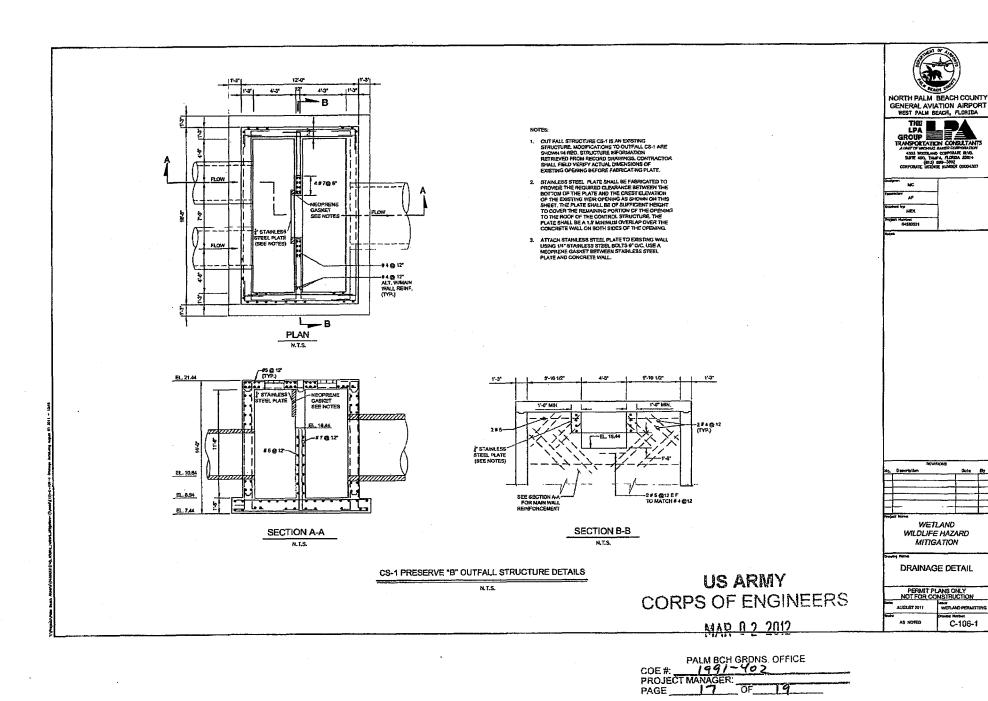
PERMIT PLANS ONLY
NOT FOR CONSTRUCTION

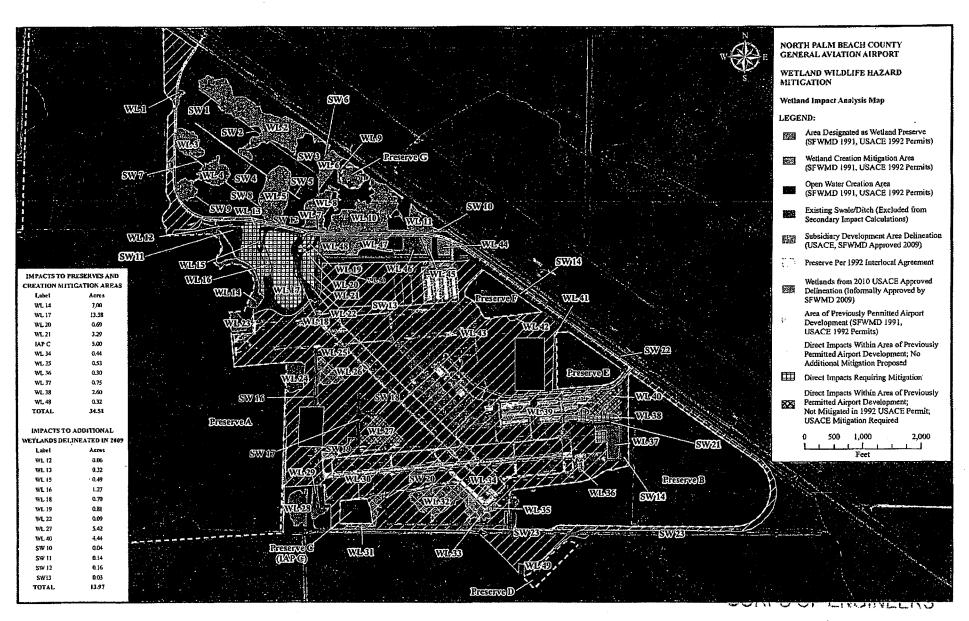
AUGUST 2011 WETLAND PERMITT

AS HOTED C-104-1



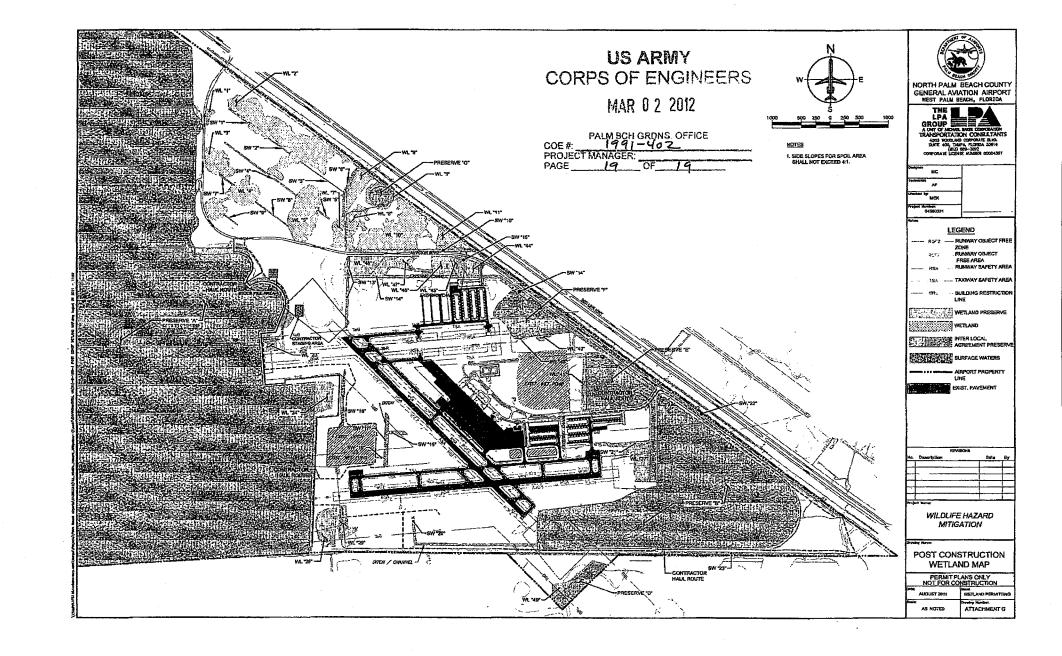






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	PALM BCH GRONS, OFFICE	
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PROJECT	MANAGER:	
PAGE	18 OF 19	





## SPECIAL CONDITIONS

- 1. The construction phase of this permit shall expire on October 17, 2016.
- Operation of the surface water management system shall be the responsibility of the permittee.
- 3. Discharge Facilities:

Basin: EN07

1-432" WIDE SHARP CRESTED welr with crest at elev. 16.94' NAVD 88. 1-162" W X 6" H RECTANGULAR NOTCH with invert at elev. 16.44' NAVD 88. 3-72" dia. REINFORCED CONCRETE PIPE culverts each 170' long.

Receiving body: PRESERVE B Control elev: 16.44 feet NAVD 88.

Basin: PRES B, Structure: CS-1

1-2.92" WIDE SHARP CRESTED weir with crest at elev. 16.44" NAVD 88. 100 LF of 72" dia. REINFORCED CONCRETE PIPE culvert. 1-24.38" W X 46.63" L drop inlet with crest at elev. 20.44" NAVD 88.

Receiving body: CSX CANAL Control elev: 16.44 feet NAVD 88.

Basin: PRES B. Structure: CS-2

1-11" dia. CIRCULAR ORIFICE with invertiat elev. 16.44' NAVD 88. 100 LF of 72" dia. REINFORGED CONCRETE PIPE culvert. 1-24.88" W X 48.63" L drop inlet with crest at elev. 21.44' NAVD 88.

Receiving body: CSX CANAL Control elev: 16.44 feet NAVD 88.

- The permittee shall be responsible for the correction of any erosion, shoaling or water quality
  problems that result from the construction or operation of the surface water management system.
- 5. Measures shall be taken during construction to insure that sedimentation and/or turbidity violations do not occur in the receiving water.
- The District reserves the right to require that additional water quality treatment methods be incorporated into the drainage system if such measures are shown to be necessary.
- Facilities other than those stated herein shall not be constructed without an approved modification of this permit.
- A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report.
   The location of the elevation reference must be noted on or with the certification report.
- 9. The permittee shall provide routine maintenance of all of the components of the surface water management system in order to remove all trapped sediments/debris. All materials shall be properly disposed of as required by law. Failure to properly maintain the system may result in adverse flooding conditions.
- 10. This permit is issued based on the applicant's submitted information which reasonably demonstrates

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## SPECIAL CONDITIONS

that adverse water resource related impacts will not be caused by the completed permit activity. Should any adverse impacts caused by the completed surface water management system occur, the District will require the permittee to provide appropriate mitigation to the District or other impacted party. The District will require the permittee to modify the surface water management system, if necessary, to eliminate the cause of the adverse impacts.

- 11. The permittee acknowledges that, pursuant to Rule 40E-4.101(2), F.A.C., a notice of Environmental Resource or Surface Water Management Permit may be recorded in the county public records. Pursuant to the specific language of the rule, this notice shall not be considered an encumbrance upon the property.
- 12. If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at (850) 245-6333 or (800) 847-7278; as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.
- 13. All contractors must be provided with a copy of the staff report and permit conditions prior to the commencement of construction. The permittee is responsible for ensuring that all contractors adhere to the project construction details and methods indicated on the attached permit Exhibits and described herein.
- 14. Silt fencing shall be installed at the limits of construction to protect all of the remaining preserve areas from silt and sediment deposition during the construction of the project. A floating turbidity barrier shall be installed during the construction of the final discharge structure into the adjacent canal/water body. The silt fencing and turbidity barriers shall remain in place and be maintained in good functional condition until all adjacent construction activities have been completed and all fill slopes have been stabilized.
- 15. Fill material generated as part of the activities authorized by this permit must be placed on an upland site and contained in such a manner as to prevent erosion into wellands or other surface waters per plan sheets C-101-2 through C-101-6 and G-103-1.
- 16. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or other surface waters have occurred due to project related activities.
- 17. Endangered species, threatened species and/or species of special concern have been observed onsite and/or the project contains suitable habitat for these species. It shall be the permittee's responsibility to coordinate with the Florida Fish and Wildlife Conservation Commission and/or the U.S. Fish and Wildlife Service for appropriate guidance, recommendations and/or necessary permits to avoid impacts to listed species.
- 18. The permittee shall comply with applicable state water quality standards including: a)62-302-500 - Minimum criteria for all surface waters at all places and all times; b)62-302-510 - Surface waters: general criteria c)62-302-560 - Class III waters; recreation, propagation and maintenance of a healthy, well balanced population of fish and wildlife; d)62-302-600 - Classified waters.
- 19. This permit does not eliminate the need to obtain any and all necessary easements and rights of way prior to the start of any activity approved herein. This permit does not convey to the permittee, or

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create for the permittee, any property right, or any interest in real property; nor does it authorize any entrance upon, or activities on, property which is not owned or controlled by the permittee; or convey any rights or privileges other than those specified in the permit and Chapter 40E-4 or Chapter 40E-4.

- 20. Prior to construction the permittee shall submit proof of publication to the District documenting notice of agency action in a newspaper having general circulation as defined in Chapter 50 F.S., in the county in which the activity will occur.
- 21. The following exhibits for the permit are incorporated by reference herein and are located in the permit file. In addition, these exhibits can be viewed on the District's ePermitting website under this application number.

Exhibit No. 4 North County Airport Biological Evaluation Exhibit No. 5 FAA Advisory Circular 150/5200-33B

22. The exhibits and special conditions in this permit apply only to this application. They do not supersede or delete any requirements for other applications covered in Permit No. 50-02617-S unless otherwise specified herein.

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# 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, Special Projects and Enforcement Branch, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410. If you have questions regarding this requirement, please contact the Special Projects and Enforcement Branch at 561-472-3536.

. Department of the Army Perm	it Number: SAJ-1	991-00402(IP	-EGR)
Permittee Information:			
Name			
Address			
			· · · · · · · · · · · · · · · · · · ·
3. Project Site Identification	:		
Physical location/address			
1. As-Built Certification:			
scheduled and conducted by me direct supervision. I have edrawings.  Signature of Engineer	nclosed one set o	representativ of as-built e	engineering
FL, PR or VI) Reg. Number	Company Name		
	· .	Address	
	City	State	ZIP
Affix Seal)			
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Affix Seal)  Date	Telephone	Number	· .
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Deviations (attach add	from the ditional p	e approved pages if ne	l permit ecessary)	drawings	and	special	conditions:
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### STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

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

Revised February 12, 2004

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