



## *Florida Department of Transportation*

CHARLIE CRIST  
GOVERNOR

1074 Highway 90  
Chipley, FL 32428-0607

STEPHANIE KOPELOUSOS  
INTERIM SECRETARY

Environmental Management Office  
Post Office Box 607  
Chipley, FL 32428  
850-415-9709

March 10, 2008

Mr. Duncan Cairns  
Northwest Florida Water Management District  
81 Water Management Drive  
Havana, FL 32333-9700

RE: COE Permit  
SR 83 (US 331) from US 98 to South of the Choctawhatchee Bay Bridge  
Financial Project Number 2206641  
Walton County

Dear Mr. Cairns:

Attached is your copy of the COE permit for the above listed project.

If you have any questions or need further information, please call me at the above number.

Sincerely,

Rita Gilbert  
Environmental Permits Specialist

:rg  
Attachments



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
COCOA REGULATORY FIELD OFFICE  
400 HIGH POINT DRIVE, SUITE 600  
COCOA, FLORIDA 32926

Special Projects and Enforcement Branch  
SAJ-2007-1175 (IP-AWP)

MAR 03 2008

Florida Department of Transportation, District 3  
Attn: Joy Giddens  
P.O. Box 607  
Chipley, Florida 32428

RECEIVED  
MAR 5 REC'D  
Environmental Management

Dear Mrs. Giddens:

The U.S. Army Corps of Engineers (Corps) is pleased to enclose the Department of the Army permit, which should be available at the construction site. Work may begin immediately but the Corps must be notified of:

- a. The date of commencement of the work,
- b. The dates of work suspensions and resumptions of work, if suspended over a week, and
- c. The date of final completion.

This information should be mailed to the Enforcement Section of the Regulatory Division of the Jacksonville District at Post Office Box 4970, Jacksonville, Florida 32232-0019. The Enforcement Section is also responsible for inspections to determine whether Permittees have strictly adhered to permit conditions.

IT IS NOT LAWFUL TO DEVIATE FROM  
THE APPROVED PLANS ENCLOSED.

Sincerely,

for David S. Hobbie  
Chief, Regulatory Division

Enclosures

Copies Furnished:

FWS, Panama City

EPA, Atlanta

NMFS, St. Pete

CESAJ-RD-PE

# DEPARTMENT OF THE ARMY PERMIT

**Permittee:** Florida Department of Transportation  
District III  
P.O. Box 607  
Chipley, Florida 32428

**Permit No:** SAJ-2007-1175 (IP-AWP)

**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 placement of clean fill material in approximately 5.73 acres and the dredging of approximately 0.32 acres of marsh, forested, and stream wetlands in order to widen approximately 1.6 miles of US331. No dredge or fill activities will occur in the Choctawhatchee Bay. The work described above is to be completed in accordance with the 3 attachments affixed at the end of this permit instrument.

**Project Location:** The widening of US 331 from two to four lanes, beginning at the intersection of US98 and US331, heading north and ending at the south end of the Choctawhatchee Bay Bridge. The project is located at the south end of US331, in Sections 20, 29, 30, and 31, Township 2 South, and Range 19 West, Walton County, Florida.

**Directions to site:** From the San Destin, head east on US98 to the US331 intersection, which is the southern project limit. The project ends at southern shore of Choctawhatchee Bay.

**Latitude & Longitude:** Latitude 30°22'30" North  
Longitude 86°10'49" West

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MAR 5 2007  
Environmental Management

PERMIT NUMBER: SAJ-2007-1175(IP-AWP)

PERMITTEE: Florida Department of Transportation - District 3

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### Permit Conditions

#### General Conditions:

1. The time limit for completing the work authorized ends on **February 3, 2013**. 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

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PERMITTEE: Florida Department of Transportation - District 3

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ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions:**

1. No work is authorized in the Choctawhatchee Bay.
2. 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, P.O. Box 4970, Jacksonville, FL 32232. The Permittee shall reference this permit number, SAJ-2007-1175(IP-AWP), on all submittals.
3. 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.
4. Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas adjacent to wetlands 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. 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 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

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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.

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. Within 1 year from the date of issuance of this permit instrument the permittee agrees to replace 3.77 functional units of loss which will result from impacts to 6.05 acres of jurisdictional wetlands. Wetland impacts for this project will be mitigated through the Northwest Florida Umbrella, Watershed-Based, Regional Mitigation Plan (PLAN), as defined in the agreement between the Northwest Florida Water Management District (NFWWMD) and the U.S. Army Corps of Engineers (Corps), Jacksonville District, July 31, 2006. The PLAN has identified acquisition, preservation, and restoration within the Live Oak Peninsula; section 5.3.5, February 8, 2008, update. The NFWWMD will deduct 3.77 credits from the Live Oak Peninsula mitigation ledger.

8. If NFWWMD is unable to secure satisfactory mitigation within the Live Oak Peninsula within 1 year from the issuance of this permit the permittee shall submit an alternate compensatory

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mitigation proposal to fully offset the functional loss that occurred as a result of the project. Also, the alternate mitigation proposal will include additional mitigation to compensate for the temporal loss of wetland function associated with the delayed mitigation efforts. The permittee will also submit a functional assessment for the alternate compensatory mitigation proposal that clearly indicates that the functions and values will be replaced. The Corps reserves the right to fully evaluate, amend, and approve the alternate compensatory mitigation proposal.

9. The NFWFMD shall provide an annual status report, in July 2008, as defined in the January 2007 PLAN revision, Section 11.0. The report shall include all six reporting criteria listed in the PLAN.

10. The NFWFMD shall provide annual provisions for full cost accounting as defined in Article IV, (14) of the Agreement between NFWFMD and the Corps executed July 31, 2006.

11. A representative of the Corps will be allowed 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 this permit.

**Further Information:**

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

(X) 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).



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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.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the

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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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PERMITTEE: Florida Department of Transportation - District 3

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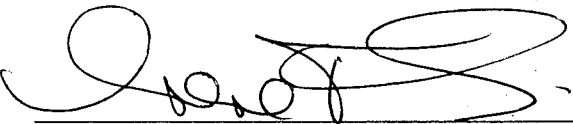
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

Joy Giddens  
(PERMITTEE)

2/22/08  
(DATE)

Joy Giddens - FDOT Permits Coordinator  
(PERMITTEE NAME-PRINTED)

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

  
FA (DISTRICT ENGINEER)  
Paul L. Grosskruger  
Colonel, U.S. Army  
District Commander

3 March 08  
(DATE)

PERMIT NUMBER: SAJ-2007-1175(IP-AWP)

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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)

**RECEIVED**

FEB 27 2008

JACKSONVILLE DISTRICT  
USACE

PERMIT NUMBER: SAJ-2007-1175(IP-AWP)

PERMITTEE: Florida Department of Transportation - District 3

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***Attachments to Department of the Army  
Permit Number SAJ-2007-1175(IP-AWP)***

1. PERMIT DRAWINGS: 22 pages, dated August 10, 2007.
  
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. 38 pages.
  
3. AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER: 1 page

**RECEIVED**

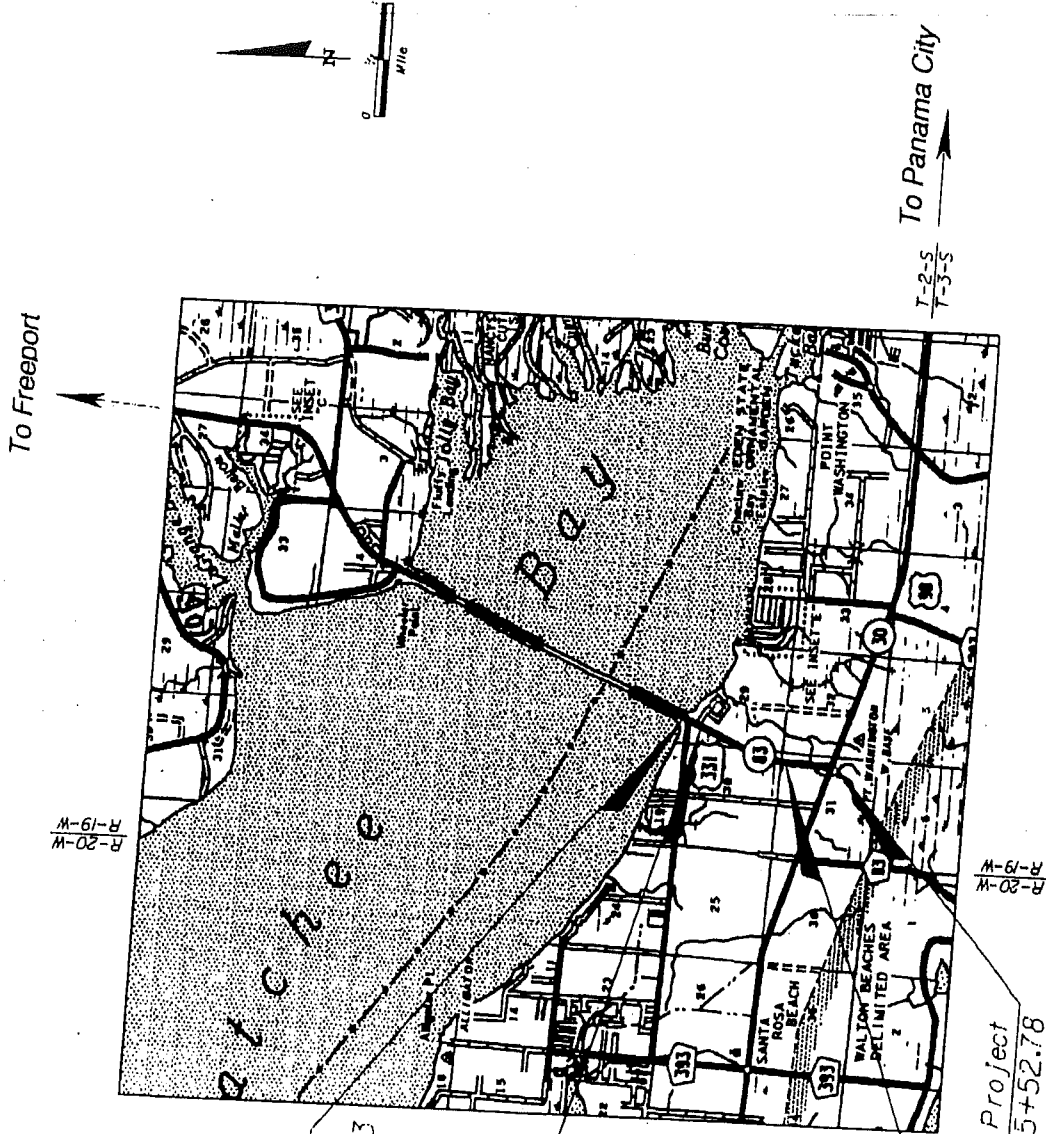
FEB 29 2008

JACKSONVILLE DISTRICT  
USACE

U.S. Army Corps of Engineers  
Permit # AT-2007-1175  
Date: FEB 21 2008  
Attachment: 1



Choctawhatchee Bridge



**Project Location Map**

End Project  
Sta. 152+00.00  
& Const. S.R. 83  
MP 1.637

Equation  
Sta. 343+99.07 Bk. =  
Sta. 144+00.00 Ah.

To Ft. Walton Beach

Equation  
& Survey & Const.  
Sta. 76+88.22 Bk. =  
Sta. 276+88.22 Ah.

Begin Project  
Sta. 65+52.78  
& Survey & Const. SR 83  
MP 0.0

To Freeport

To Panama City

I-2-S  
T-3-S

R-19-W  
R-20-W

R-19-W  
R-20-W

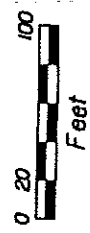
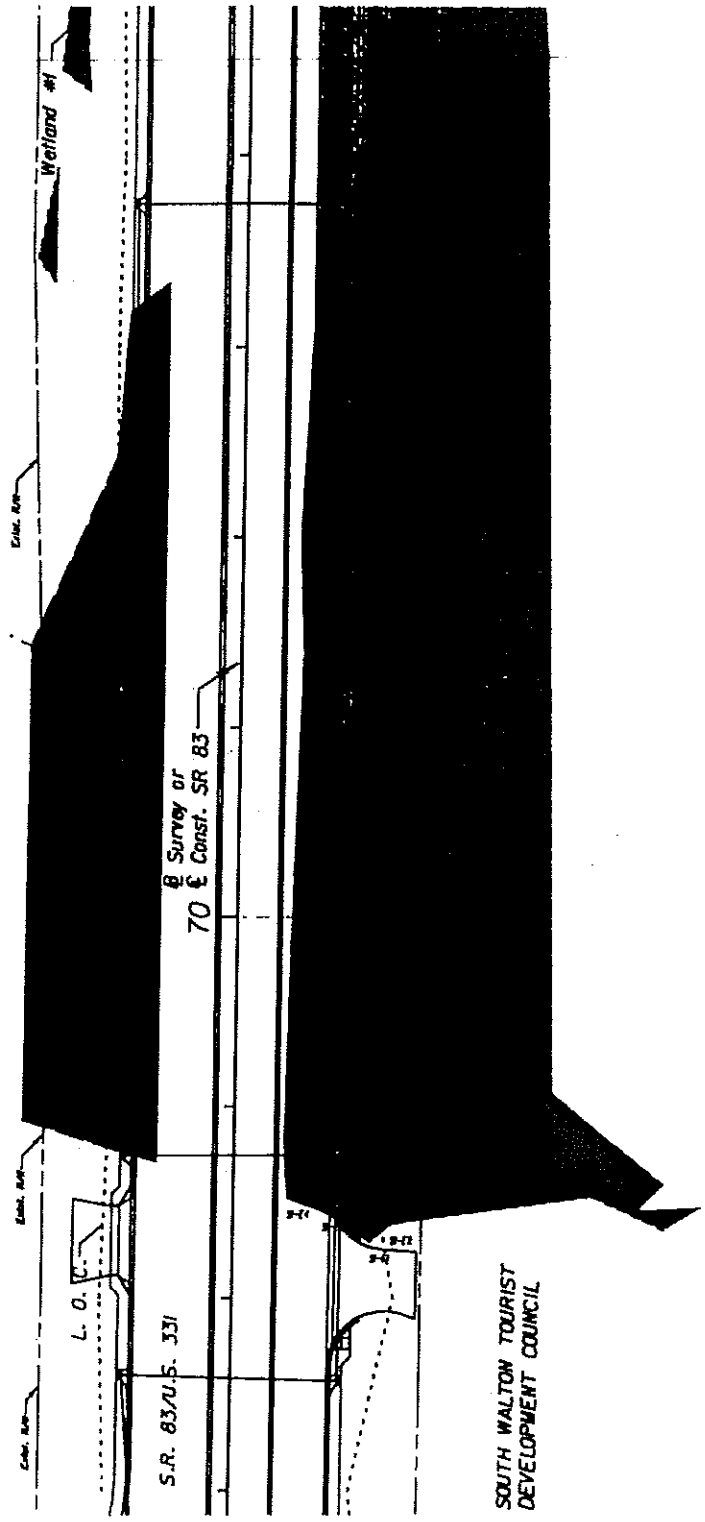
1" = 100'



- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill

Wetland #TT  
 Area Impacted by Fill: 0.302 Ac.  
 Area Impacted by Cut: 0.000 Ac.

FOOD STORE



**LOCHNER**

2140 EAST PARK AVENUE, SUITE 200  
 TALLAHASSEE, FLORIDA 32301  
 FSPR CERTIFICATE OF AUTH. # 894  
 SANDRA LAMB, P.E. # 43115

STATES OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-1-52-01

**WETLAND IMPACTS**

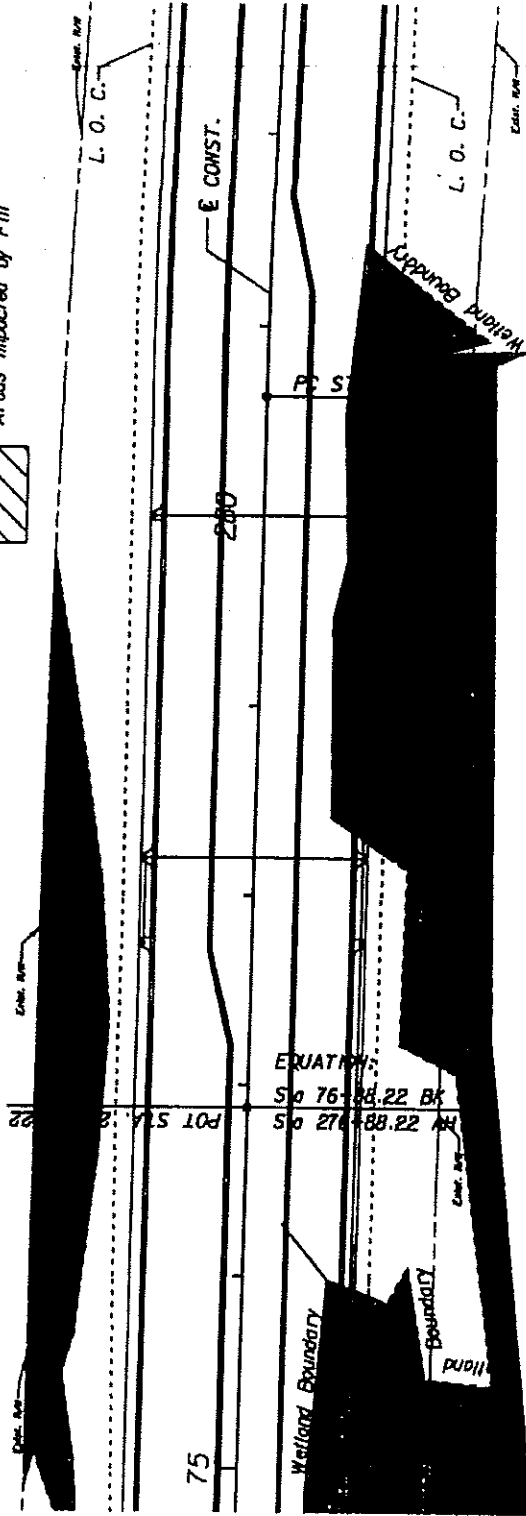
**SR 83**

SHEET NO.

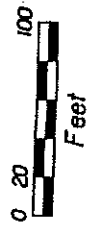
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1" = 100'

- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill



Wetland #2  
 Area Impacted by Fill: 0.902 AC.  
 Area Impacted by Cut: 0.000 AC.



**LOCHNER**

2148 EAST PARK AVENUE, SUITE 200  
 TALLAHASSEE, FLORIDA 32301  
 PBPR CERTIFICATE OF AUTH. # 894  
 SANDRA LAMB, P.E. # 43316

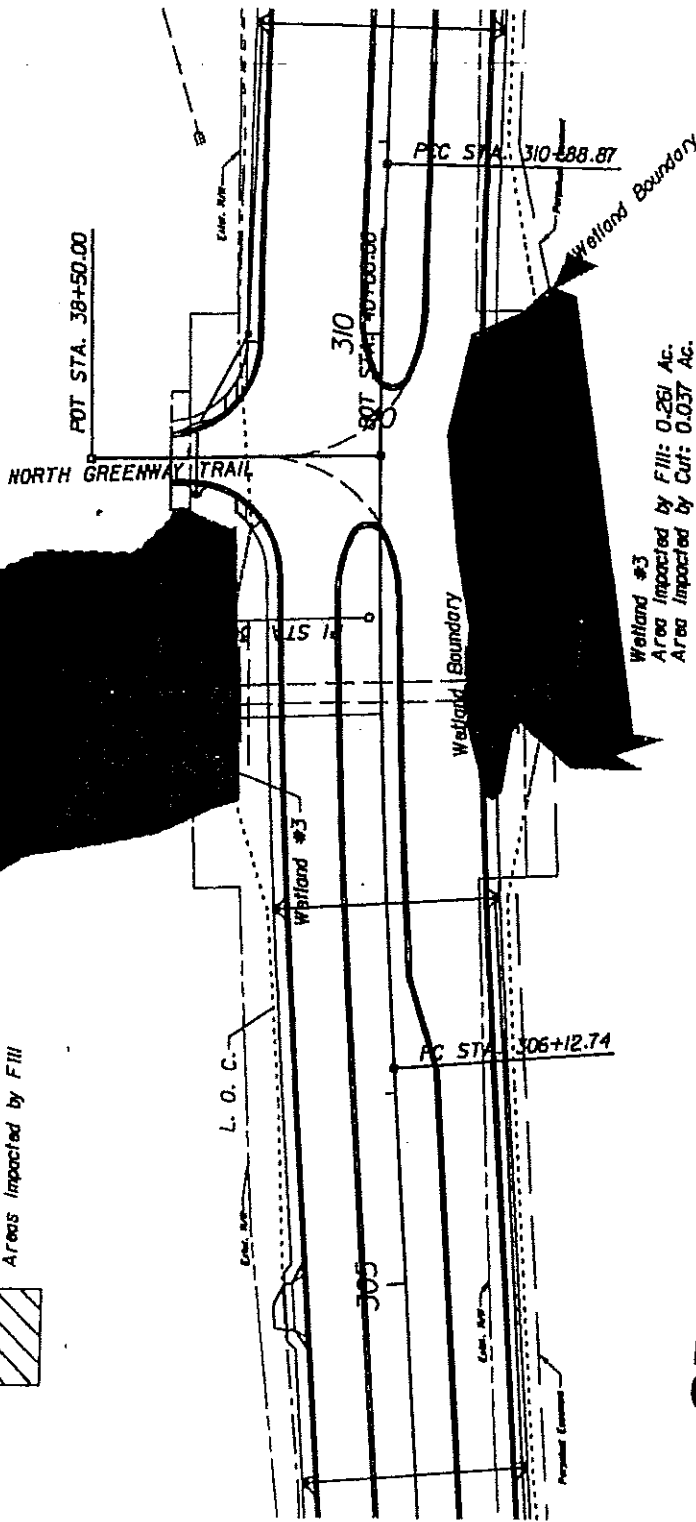
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-1-52-01

**WETLAND IMPACTS**  
**SR 83**

SHEET NO. 2





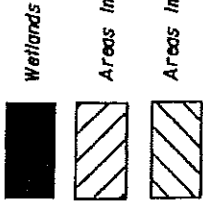
- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill

**RECEIVED**

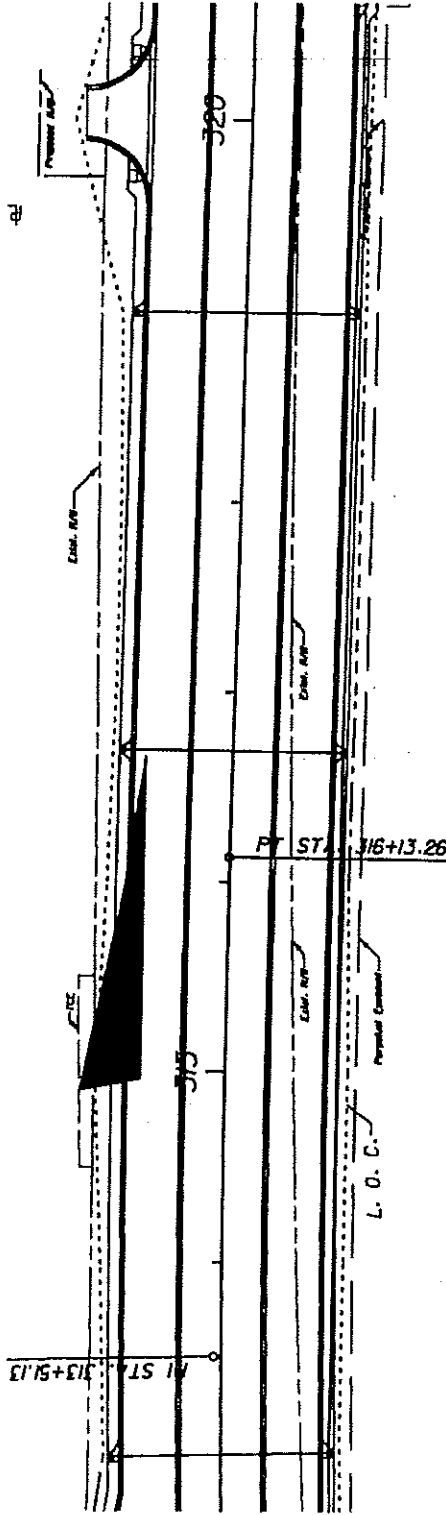
FEB 29 2008

JACKSONVILLE DISTRICT  
USACE

<b>LOCHNER</b> 3749 EAST PARK AVENUE, SUITE 106 TALLAHASSEE, FLORIDA 32301 FBPR CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 43115	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>WETLAND IMPACTS</b>  <b>SR 83</b>	SHEET NO.  <b>3</b>
	ROAD NO. <b>83</b>	COUNTY <b>WALTON</b>		



Wetland #4  
 Area Impacted by Fill: 0.057 Ac.  
 Area Impacted by Cut: 0.000 Ac.



**LOCHNER**

2940 EAST PARK AVENUE, SUITE 200  
 TALLAHASSEE, FLORIDA 32301  
 FBPR CERTIFICATE OF AUTH. # 894  
 SANDRA LAMB, P.E. # 43216

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-1-52-01

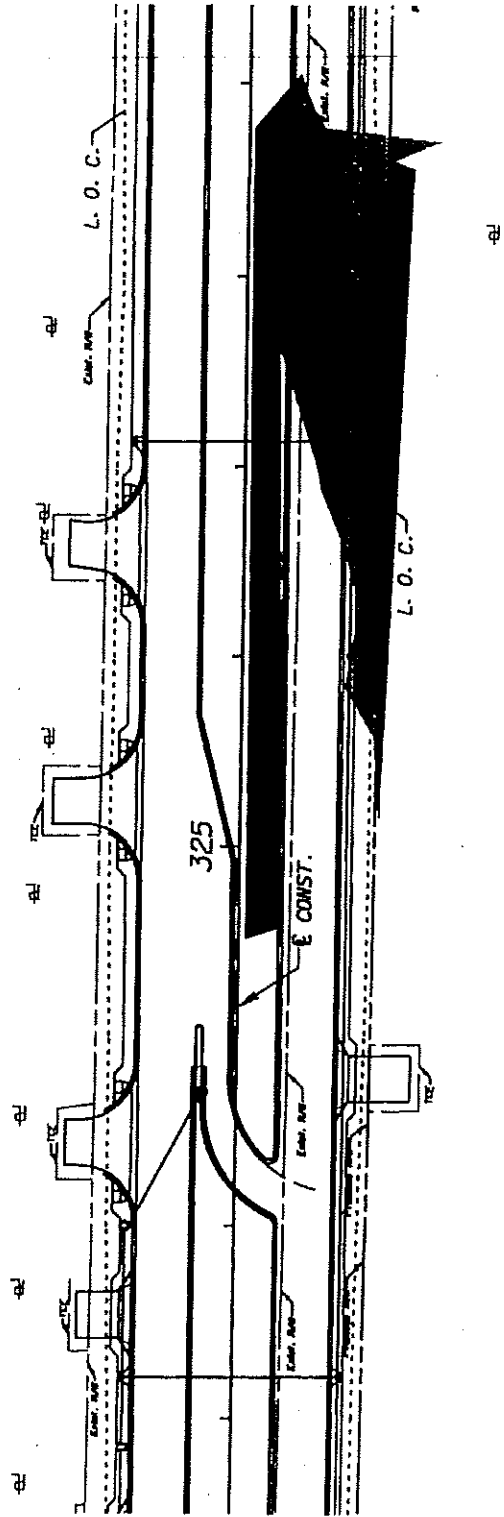
**WETLAND IMPACTS**  
**SR 83**

SHEET  
 NO.

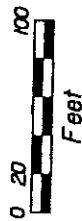
4



- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill



Wetland #6  
 Area Impacted by Fill: 0.423 Ac  
 Area Impacted by Cut: 0.000 Ac.



<b>LOCHNER</b> 2140 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 FBR CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 43216	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 83 COUNTY WALTON FINANCIAL PROJECT ID 220664-1-52-01	<b>WETLAND IMPACTS</b> <b>SR 83</b>	SHEET NO. 5
	August 10, 2007 (07-5325 EST)				



Wetlands



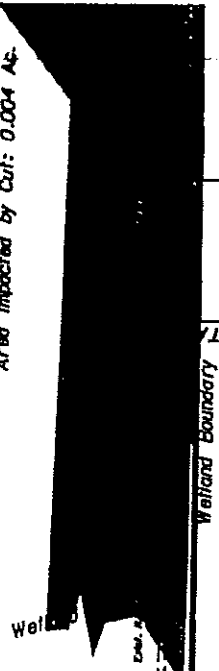
Areas Impacted by Cut



Areas Impacted by Fill



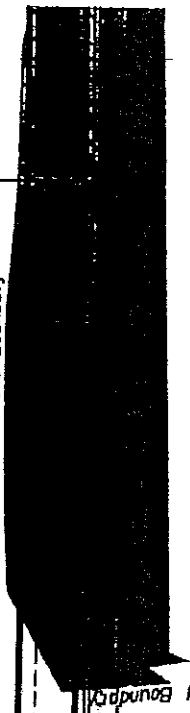
Wetland #5  
Area Impacted by Fill: 0.154 Ac  
Area Impacted by Cut: 0.004 Ac



Wetland Boundary

Wetland Boundary

Wetland #6  
Area Impacted by Fill: 0.575 Ac  
Area Impacted by Cut: 0.000 Ac



330

Wetland Boundary

Wetland #6  
Area Impacted by Fill: 0.423 Ac  
Area Impacted by Cut: 0.000 Ac



L. O. C.



**LOCHNER**

3748 EAST PARK AVENUE, SUITE 200  
TALLAHASSEE, FLORIDA 32301  
FBR CERTIFICATE OF AUTH. # 894  
SANDRA LAMB, P.E. # 4311

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

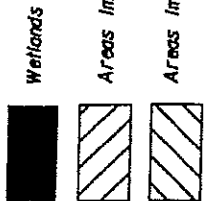
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-1-52-01

**WETLAND IMPACTS**

SR 83

SHEET NO.

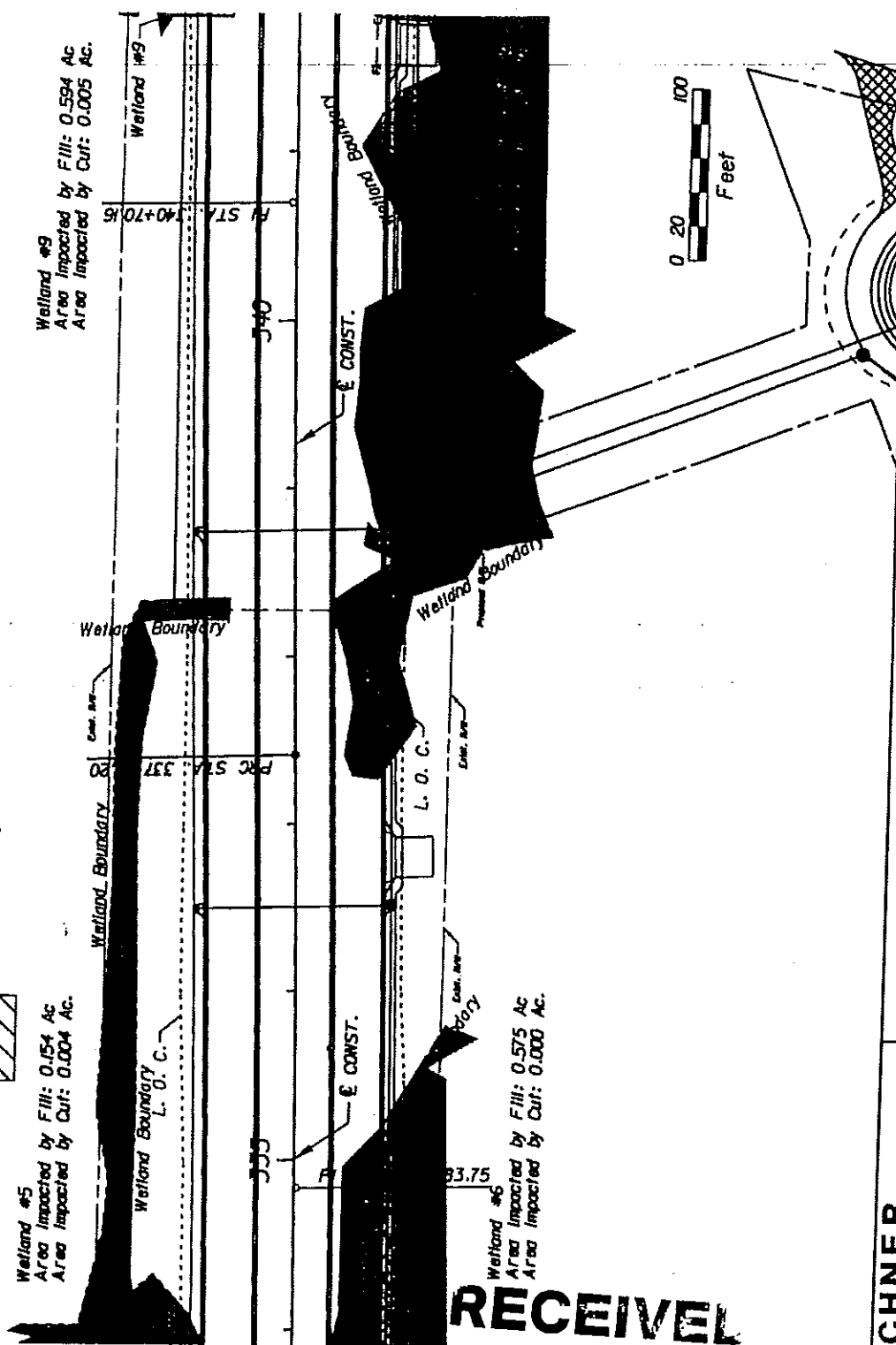
6



Welland #5  
 Area Impacted by Fill: 0.154 AC  
 Area Impacted by Cut: 0.004 AC.

Welland #9  
 Area Impacted by Fill: 0.594 AC  
 Area Impacted by Cut: 0.005 AC.

Welland #6  
 Area Impacted by Fill: 0.575 AC  
 Area Impacted by Cut: 0.000 AC.



**RECEIVED**

FEB 29 2008

JACKSONVILLE DISTRICT  
 USACE

**LOCHNER**

3740 EAST PARK AVENUE, SUITE 300  
 TALLAHASSEE, FLORIDA 32301  
 FPR CERTIFICATE OF ATEL # 84  
 SANDRA LAMB, P.E. # 4311

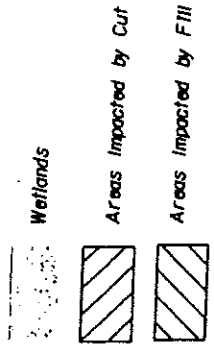
STATES OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. 83 COUNTY WALTON  
 FINANCIAL PROJECT ID 220664-1-52-01

**WETLAND IMPACTS**  
**SR 83**

SHEET NO. 7

*Shawn A. McConde*  
 11/28/07

EQUATION:  
 Sta 343+99.07 BK =  
 Sta 144+00.00 AH

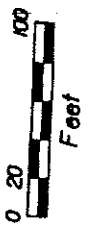
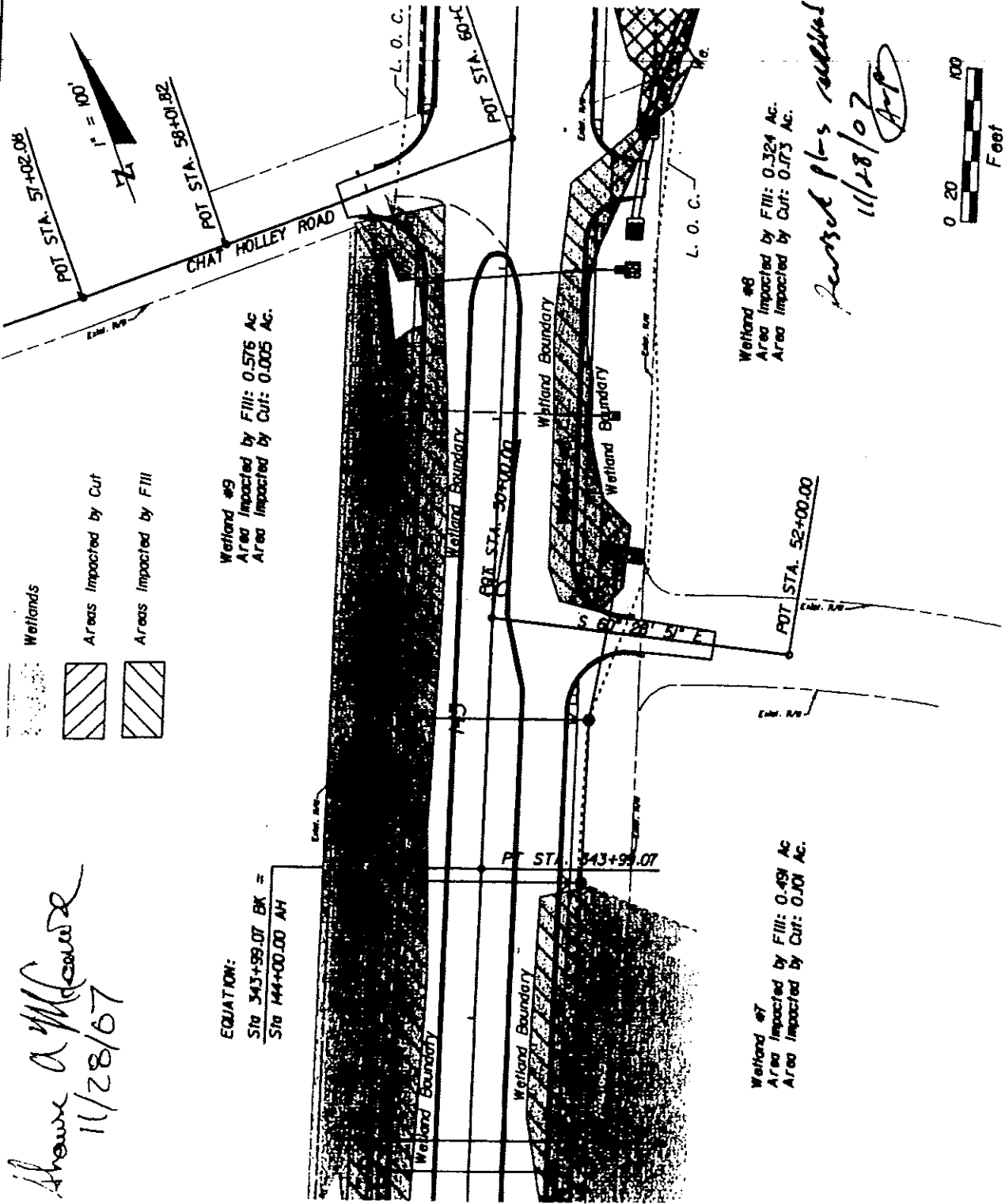


Wetland #9  
 Area Impacted by Fill: 0.576 Ac  
 Area Impacted by Cut: 0.005 Ac.

Wetland #7  
 Area Impacted by Fill: 0.491 Ac  
 Area Impacted by Cut: 0.101 Ac.

Wetland #8  
 Area Impacted by Fill: 0.324 Ac.  
 Area Impacted by Cut: 0.173 Ac.

*Revised plots received*  
 11/28/07  
*[Signature]*



**RECEIVED**

FEB 29 2008

JACKSONVILLE DISTRICT  
 USACE

<b>LOCHNER</b>		STATES OF FLORIDA		<b>WETLAND IMPACTS</b>		SHEET NO. 8
290 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 P&P CERTIFICATE OF AUTH. # 84 SANDRA LAMB, P.E. # 43311		DEPARTMENT OF TRANSPORTATION		SR 83		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
83	WALTON	220664-1-52-01				



- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill



Wetland #10  
 Area Impacted by Fill: 0.044 Ac.  
 Area Impacted by Cut: 0.000 Ac.

Wetland #8  
 Area Impacted by Fill: 0.324 Ac.  
 Area Impacted by Cut: 0.073 Ac.

⊕ SURVEY & CONST. 155

Wetland Boundary

Wetland Boundary

Wetland Boundary

**LOCHNER**

2748 EAST PARK AVENUE, SUITE 200  
 TALLAHASSEE, FLORIDA 32301  
 FPR CERTIFICATE OF AUTH. # 894  
 SANDRA LAMM, P.E. # 42116

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-1-52-01

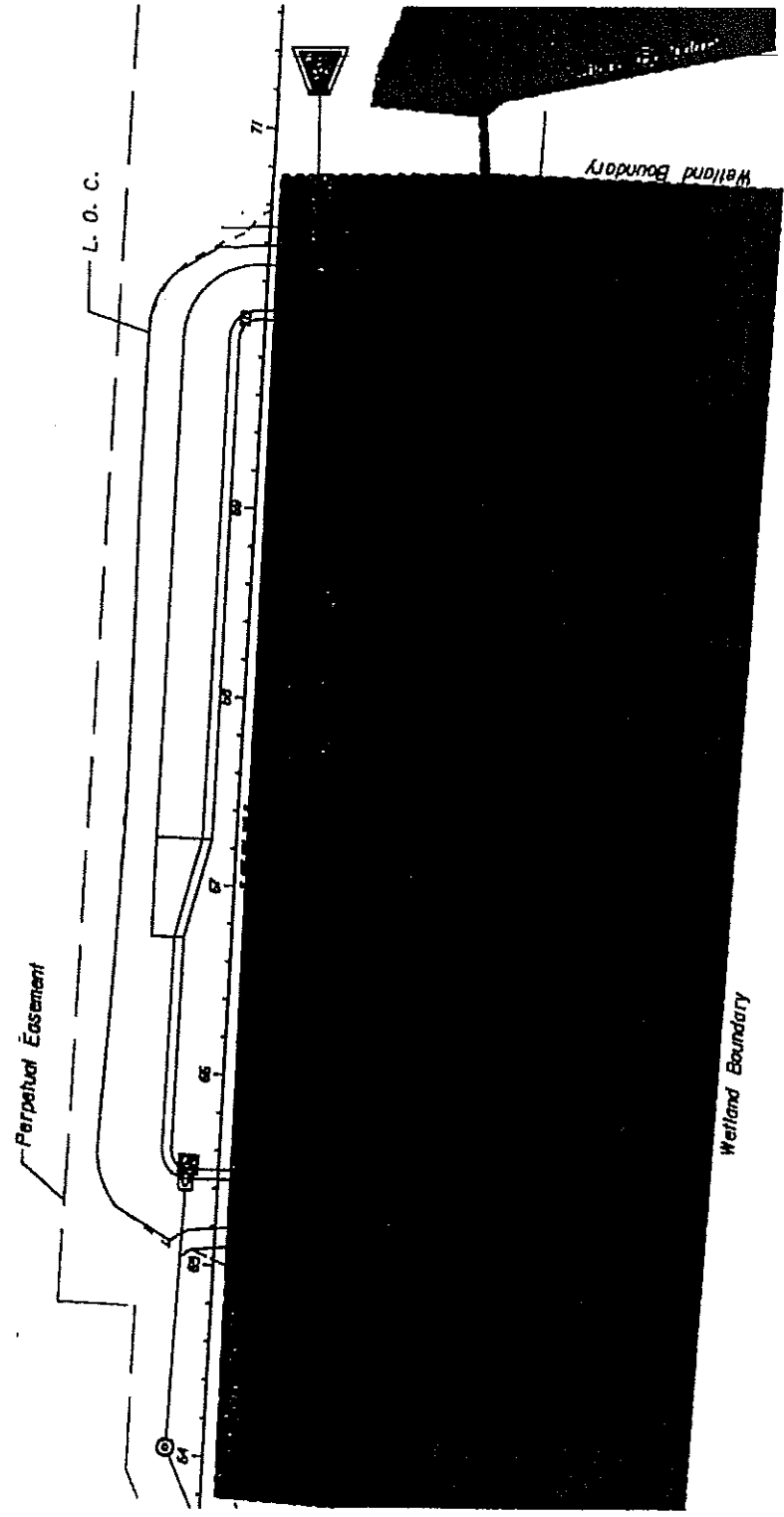
**WETLAND IMPACTS**  
**SR 83**

SHEET NO.

9



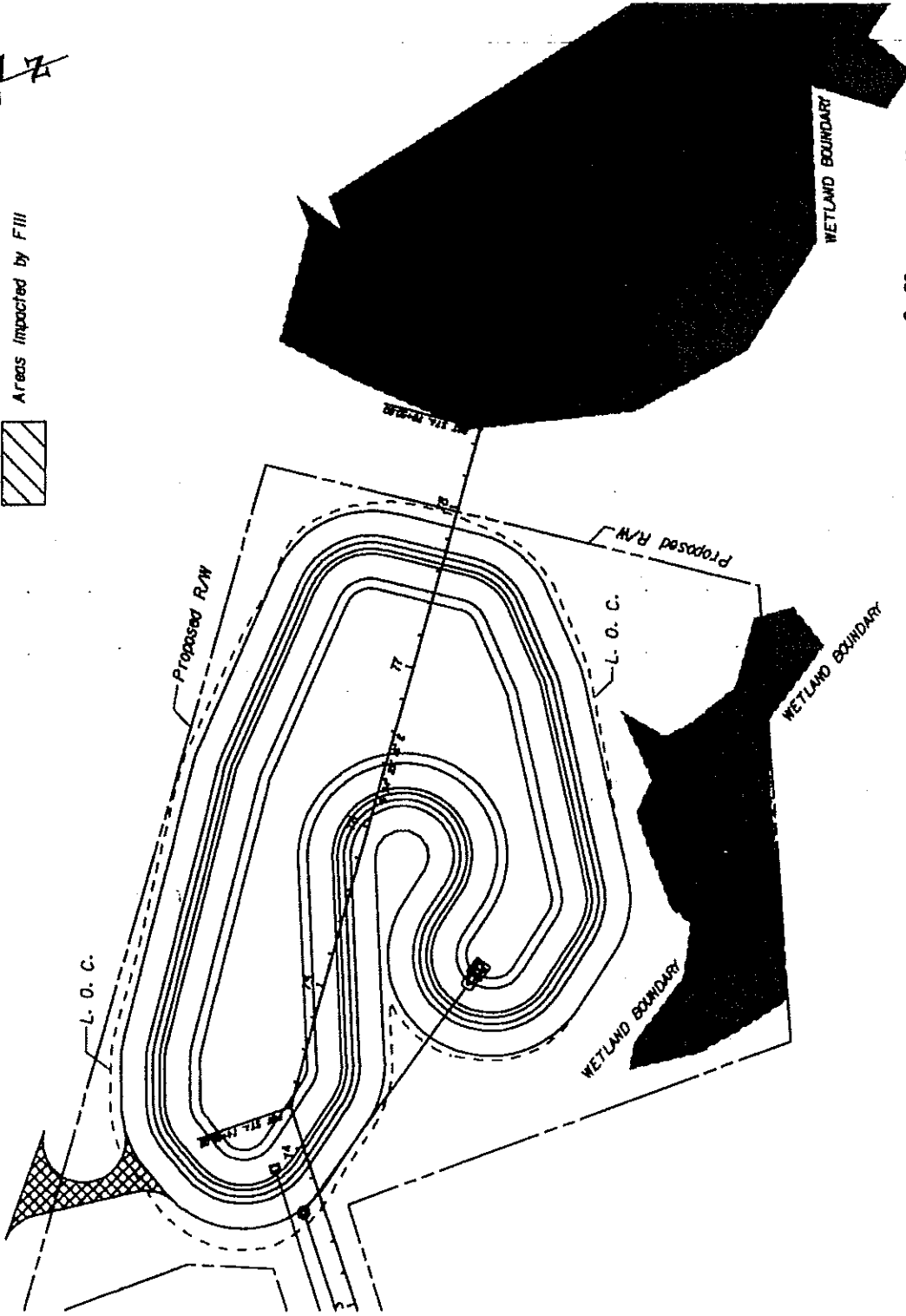
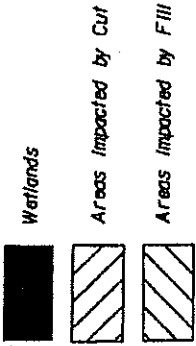
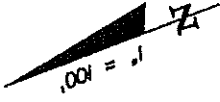
- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill



Wetland BP  
 Area Impacted by Fill: 1.624 Ac.  
 Area Impacted by Cut: 0.000 Ac.

<b>LOCHNER</b> 3948 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 FPRP CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 13115	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 83 COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01	<b>WETLAND IMPACTS</b> <b>SR 83</b>	SHEET NO. 10
	August 10, 2007 107-5232-ES17 H:\PROJECTS\3232\107-5232-ES17					

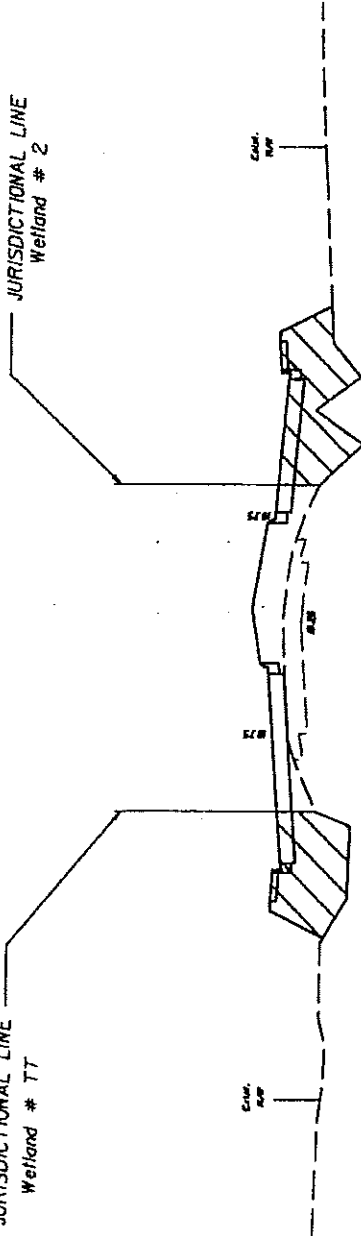




<b>LOCHNER</b> 798 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 FWRP CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 43116	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>WETLAND IMPACTS</b> <b>SR 83</b>		SHEET NO.
	ROAD NO. 83	COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01	II	

JURISDICTIONAL LINE  
Wetland # 11

JURISDICTIONAL LINE  
Wetland # 2

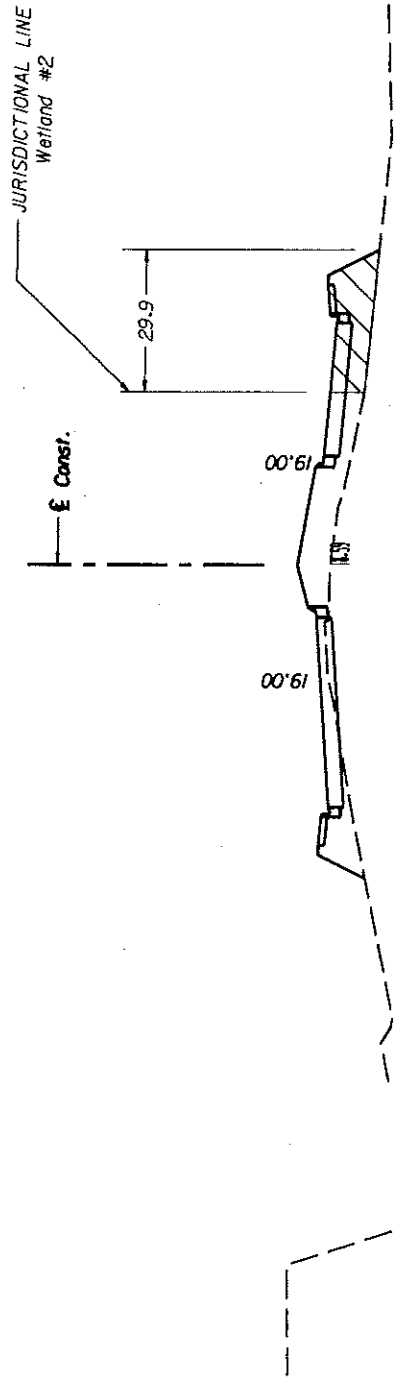



JURISDICTIONAL AREA IMPACTED BY FILL

70+00.00 @ Const.  
S.R. 83

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

<b>LOCHNER</b> 2740 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 P&P CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 48211	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>WETLAND IMPACTS</b>  <b>SR 83</b>	SHEET NO.  12
	ROAD NO. 83	COUNTY WALTON		

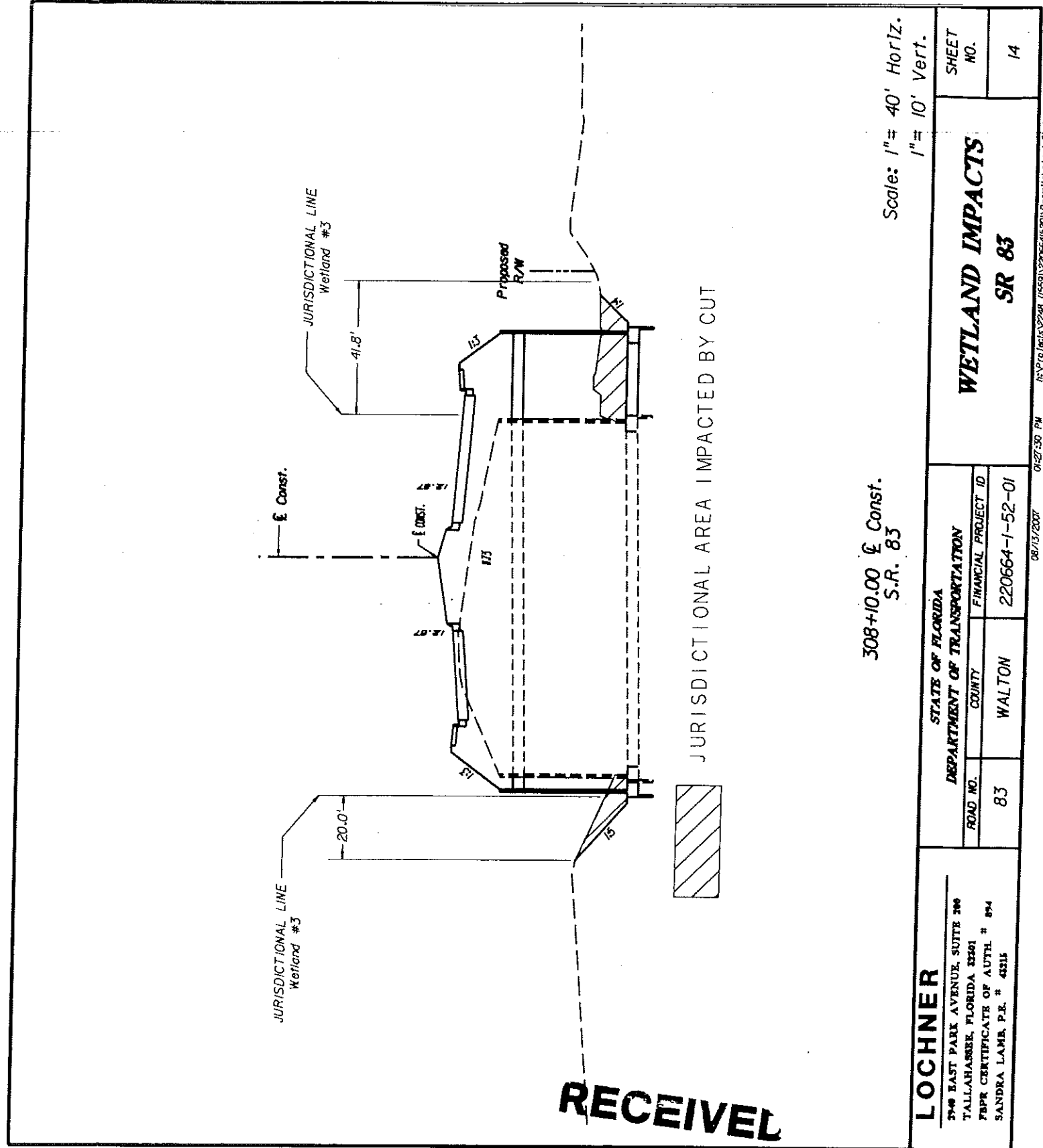



 JURISDICTIONAL AREA IMPACTED BY FILL

75+00.00 £ Const.  
 S.R. 83

Scale: 1" = 40' Horiz.  
 1" = 10' Vert.

<b>LOCHNER</b> 3748 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 FBP# CERTIFICATE OF AUTH. # 874 SANDRA LAMB, P.E. # 42315		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. <b>83</b>	COUNTY <b>WALTON</b>	FINANCIAL PROJECT ID <b>220664-1-52-01</b>	<b>WETLAND IMPACTS</b> <b>SR 83</b>	SHEET NO. <b>13</b>
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Scale: 1" = 40' Horiz.  
1" = 10' Vert.

308+10.00 Const.  
S.R. 83

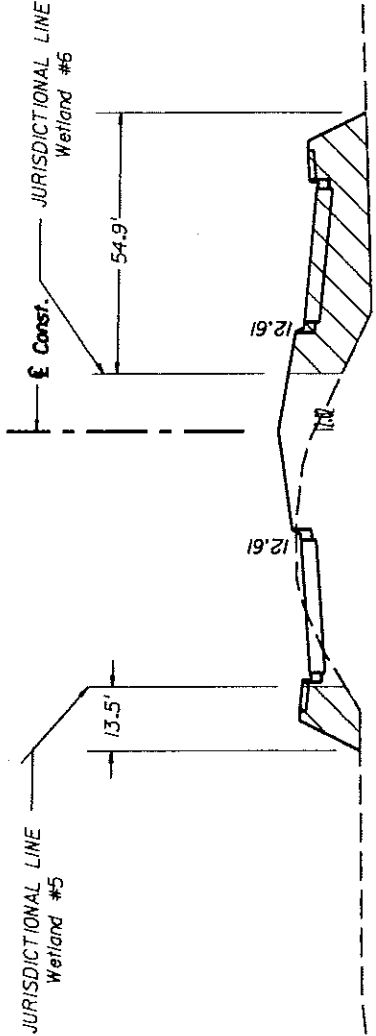
JURISDICTIONAL AREA IMPACTED BY CUT

<b>LOCHNER</b> 3740 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 FWP CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 42315		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 83	COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01	<b>WETLAND IMPACTS</b> <b>SR 83</b>	SHEET NO. 14
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**RECEIVED**

FEB 29 2008

JACKSONVILLE DISTRICT  
USACE

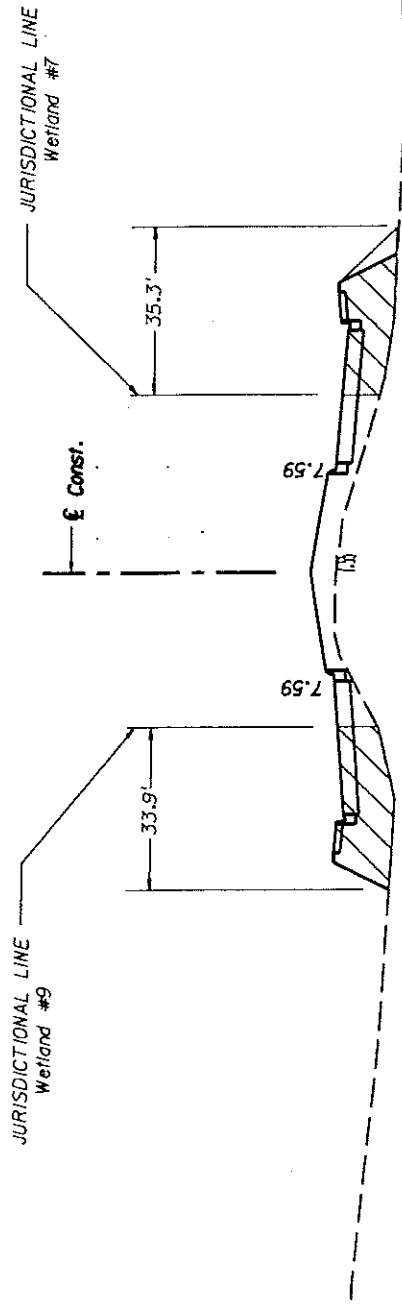


JURISDICTIONAL AREA IMPACTED BY FILL

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

332+00.00 Const.  
S.R. 83

<b>LOCHNER</b> 390 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 FWR CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 43216		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>WETLAND IMPACTS</b>		SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 83		SR 83	15
83	WALTON	220664-1-52-01				

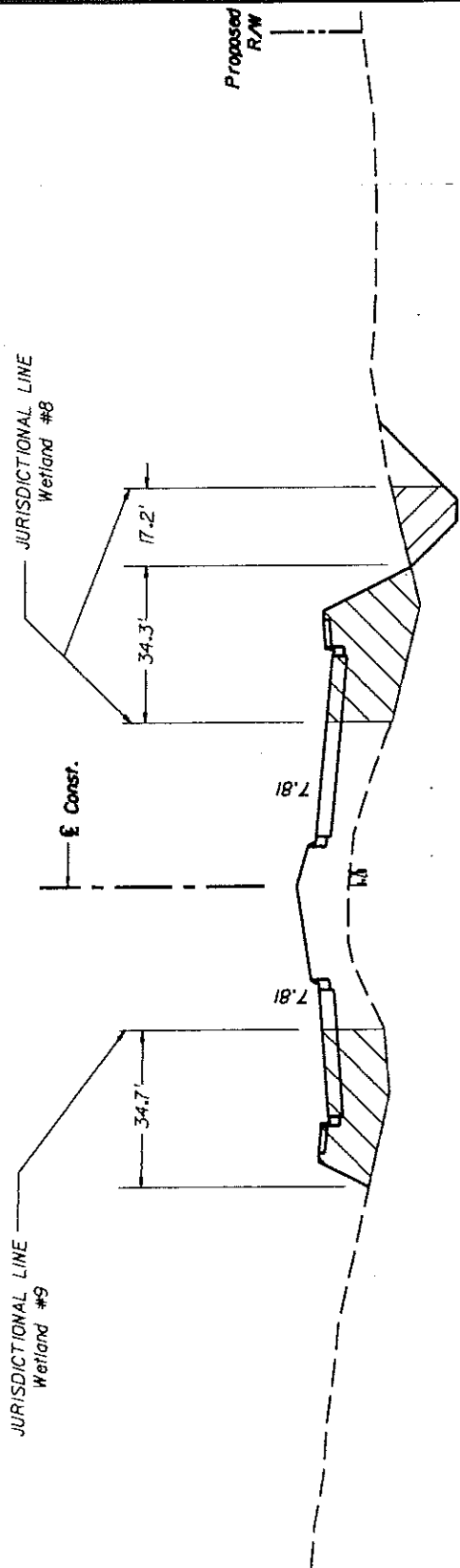



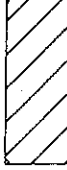
JURISDICTIONAL AREA IMPACTED BY FILL

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

343+00.00 E Const.  
S.R. 83

<b>LOCHNER</b> 770 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 FWRP CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 42115		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		WETLAND IMPACTS SR 83		SHEET NO. 16
ROAD NO. 83	COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01				

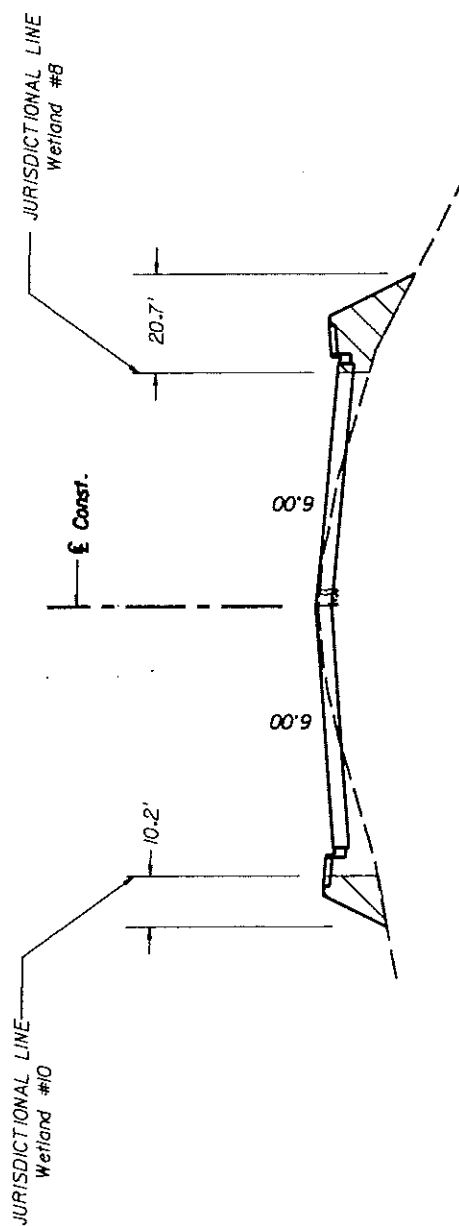


 JURISDICTIONAL AREA IMPACTED BY FILL  
 JURISDICTIONAL AREA IMPACTED BY CUT

146+00.00 C Const.  
S.R. 83

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

<b>LOCHNER</b> 2740 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 FWP CERTIFICATE OF AUTH. # 874 SANDRA LAMB, P.E. # 4311	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 83 COUNTY WALTON FINANCIAL PROJECT ID 220664-1-52-01	<b>WETLAND IMPACTS</b> <b>SR 83</b>	SHEET NO. 17



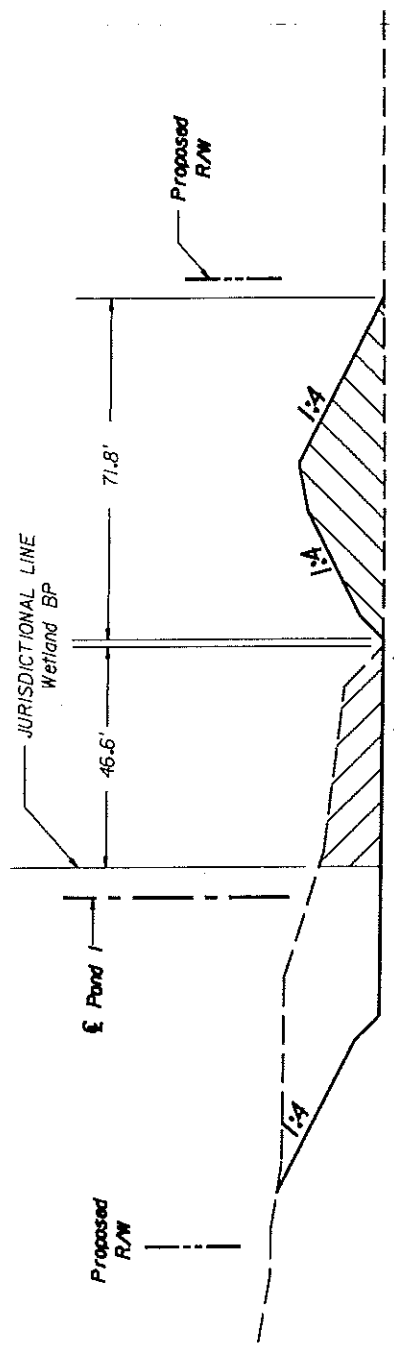
JURISDICTIONAL AREA IMPACTED BY FILL

152+00.00 ± Const.  
S.R. 83

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

<b>LOCHNER</b> 2900 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 FBPR CERTIFICATE OF AUTH. # 894 SANDRA LAMB, P.E. # 43315	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID 220664-1-52-01	SHEET NO. 18
	ROAD NO. 83	COUNTY WALTON		
<b>WETLAND IMPACTS</b> <b>SR 83</b>				





JURISDICTIONAL AREA IMPACTED BY CUT

JURISDICTIONAL AREA IMPACTED BY FILL

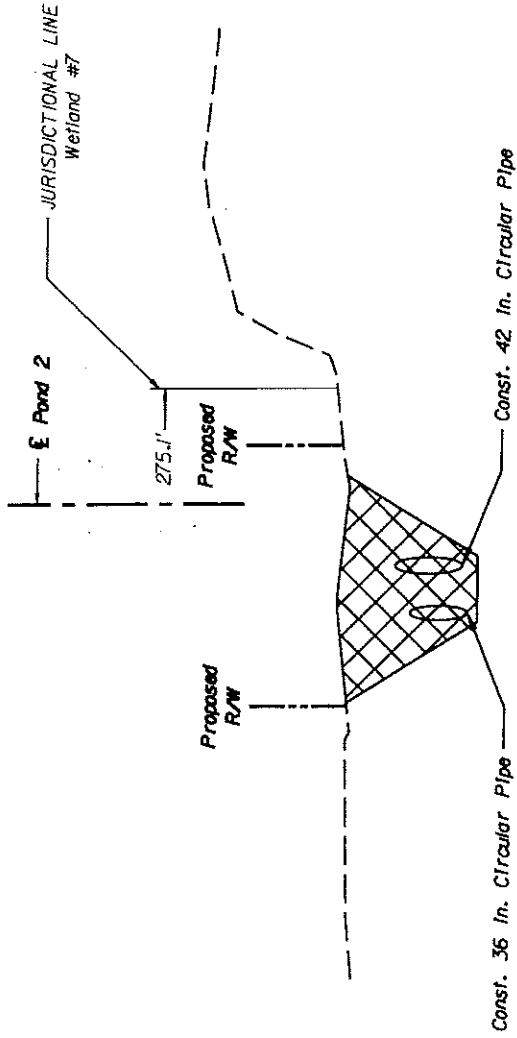
66+22.00 £ Const.  
Pond 1

**LOCHNER**  
 2700 EAST PARK AVENUE, SUITE 200  
 TALLAHASSEE, FLORIDA 32301  
 FWP CERTIFICATE OF AUTH. # 854  
 SANDRA LAMB, P.E. # 43315

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY
83	WALTON
FINANCIAL PROJECT ID	
220664-1-52-01	

**WETLAND IMPACTS**  
**SR 83**

SHEET NO.  
19



JURISDICTIONAL AREA IMPACTED BY CUT AND FILL

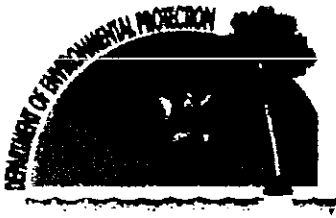
Scale: 1" = 40' Horiz.  
1" = 10' Vert.

71+50.00 @ Pond 2

<b>LOCHNER</b> 2700 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 FPR CERTIFICATE OF AUTH. # 874 SANDRA LAMB, P.E. # 42315		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>WETLAND IMPACTS</b> <b>POND 2</b>	SHEET NO. 20
		ROAD NO. 83	COUNTY WALTON		

SR83 WETLAND IMPACTS

Wetland Number	Impacted by Fill		Impacted by Cut	
	Area (Ac.)	Volume (CY)	Area (Ac.)	Volume (CY)
TT	0.302	1754.1	N/A	N/A
2	0.902	3109.7	N/A	N/A
3	0.261	2005.6	0.037	1.1
4	0.057	517.1	N/A	N/A
5	0.154	34.7	0.004	13.5
6	0.998	3985.0	N/A	N/A
7	0.491	1706.6	0.101	81.5
8	0.324	1859.5	0.173	106.6
9	0.576	2059.8	0.005	4.0
10	0.044	88.8	N/A	N/A
BP	1.624	8336.1	N/A	N/A
<b>TOTALS</b>	<b>5.73</b>	<b>25457.0</b>	<b>0.32</b>	<b>206.7</b>



# Florida Department of Environmental Protection

Northwest District Office  
160 Governmental Center, Suite 308  
Pensacola, Florida 32502-5794

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

November 30, 2007

## CERTIFIED - RETURN RECEIPT REQUESTED

Joy Giddens  
Florida Department of Transportation  
P.O. Box 607, Highway 90 East  
Chipley, Florida 32428-0607

Dear Ms. Giddens:

Enclosed is Wetland Resource Permit Authorization No. 66-0273702-001-DF, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you as the permittee and for any affected third party are described in the text of the permit along with conditions which must be met when permitted activities are undertaken. Please review this document carefully to ensure compliance with both the general and specific conditions contained herein. If you have any questions about this document, please contact me at (850)595-8300, extension 1107.

Sincerely,

Ted Reese  
Environmental Specialist  
Submerged Lands and Environmental Resources Program

**RECEIVED**

DEC 03 2007

Environmental Management

"More Protection, Less Process"  
[www.dep.state.fl.us](http://www.dep.state.fl.us)

U.S. Army Corps of Engineers  
Permit # 207-1175  
Date: FEB 21 2008  
Attachment: 2





# Florida Department of Environmental Protection

Northwest District Office  
160 Governmental Center, Suite 308  
Pensacola, Florida 32502-5794

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## WETLAND RESOURCE PERMIT

### PERMITTEE/AUTHORIZED ENTITY:

Florida Department of Transportation  
1074 Highway 90 East  
Chipley, Florida 32428

### Permit/Authorization Number:

66-0273702-001-DF

Date of Issue: November 30, 2007

Expiration Date/ November 30, 2012

County: Walton

Project: To widen State Road 83 / US 331 from  
US Hwy 98 to the south end of the  
Choctawhatchee Bay Bridge.

This permit is issued under the authority of Part IV of Chapter 373, F.S., and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain a Wetland Resource Permit. The Department is responsible for reviewing and taking final agency action on this activity.

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency. You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

The above named permittee is hereby authorized to construct the work shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof. **This permit is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached 15 General Conditions and 20 Specific Conditions, which are a binding part of this permit.** You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

### ACTIVITY DESCRIPTION:

The project is to widen State Road 83 to four lanes of traffic with sidewalks and stormwater treatment structures, from US Hwy 98 to the south end of the Choctawhatchee Bay Bridge. The expanded roadway and a stormwater treatment pond will impact nine wetland areas along the 1.6 mile corridor totaling 4.97 acres of impact by fill and 0.32 acre of impact by excavation.

**ACTIVITY LOCATION:**

The project area begins at the intersection of State Road 83/U.S.Highway 331 and US Hwy 98 then north approximately 1.6 miles to the causeway at the south end of the Choctawhatchee Bay Bridge, in unnamed wetlands, Class III Waters of the State, Sections 20, 29, 30, and 31, Township 2-South, Range 19-West, Walton County.

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500).

14. The permittee shall comply with the following:

Permittee: Florida Department of Transportation

File No.: 66-0273702-001-DF

Page 4

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
  1. the date, exact place, and time of sampling or measurements;
  2. the person responsible for performing the sampling or measurements;
  3. the dates analyses were performed;
  4. the person responsible for performing the analyses;
  5. the analytical techniques or methods used; and
  6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS:**

1. If during the progress of this project 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, shall 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 Chapter 872.05, Florida Statutes.



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File No.: 66-0273702-001-DF

Page 5

2. At least 48 hours and no more than 1 week prior to commencement of work authorized by this permit, the permittee shall notify the Department of Environmental Protection, Submerged Lands & Environmental Resources Program, Compliance and Enforcement Section, 160 Governmental Center, Pensacola, FL, 32502, in writing. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 872-4375 during normal working hours.
3. If the approved permit drawings conflict with the specific conditions, then the specific conditions shall prevail.
4. Prior to the initiation of any work authorized by this permit, the permittee, project CEI and/or environmental scientist, and the construction contractor shall attend a pre-construction conference with a representative of the Department. The permittee shall contact the Compliance and Enforcement Section of the Submerged Lands and Environmental Resource Program, 160 Governmental Center, Pensacola, Florida 32502-5794, in writing to schedule a conference.
5. The permittee and its contractors shall adhere to the standard specification for prevention, control and abatement of erosion and water pollution, as stated in Section 104 of the Florida Department of Transportation – Standard Specifications for Road and Bridge Construction, and to any stricter standards as required in this permit. The permittee and its contractors shall be responsible for ensuring that turbidity/erosion control devices and procedures are inspected and maintained daily during all phases of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.
6. All wetland areas or water bodies, which are outside the specific limits of construction authorized by this permit, must be protected from erosion, siltation, scouring and/or dewatering using best management practices. At no time shall there be any discharge in violation of the water quality standards in Chapter 62-302, Florida Administrative Code. Turbidity/erosion controls shall be installed prior to any clearing, excavation or placement of fill material and shall be maintained in an effective condition at all locations until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background. The Department must be notified immediately if turbidity levels have exceeded 29 NTU's above background. Once these conditions are met, the turbidity and erosion control devices shall be removed within 14 days. Erosion controls shall be positioned at the edge of the permitted fill slopes where they are adjacent to wetlands in order to prevent turbid run-off and erosion. Floating turbidity barriers shall be installed prior to any excavation or placement of fill material and shall be maintained in effective condition at all locations until construction is completed and disturbed areas are stabilized. Thereafter, the permittee must remove the barriers.
7. The permittee shall assign a qualified project CEI and/or environmental scientist(s), who is independent of the construction contractors, to be responsible for daily inspections of the erosion and turbidity control devices discussed in Specific Conditions #5-6, for maintaining the flagging and signs described in Specific Condition #10, for overseeing turbidity monitoring, for keeping a daily log, and for ensuring that the effectiveness of each erosion and turbidity control device is maintained at all times until post-construction turbidity levels in wetlands or open waters are less than 29 NTUs above natural background levels and vegetative stabilization is achieved on land. The daily inspection log shall note

Permittee: Florida Department of Transportation  
File No.: 66-0273702-001-DF  
Page 6

the date that the control devices were installed, the type of devices, occurrences of precipitation, adequacy of devices, turbidity levels (measured in accordance with Specific Condition #8), corrective or maintenance measures required, and the date that the devices were removed. The log shall be kept up to date and shall be submitted to the Northwest District Submerged Lands and Environmental Resource Program Compliance and Enforcement section at 160 Governmental Center, Pensacola, Florida 32501, at the end of every three months beginning with three months after construction begins. The name, address, phone number, and qualifications of the environmental scientist(s) shall be indicated in the construction commencement notice referenced in Specific Condition #2.

8. Turbidity monitoring shall be conducted and reported in accordance with Specific Condition #8 above and as described below:

Frequency: At least weekly and within 3 hours after a rain event, equal to or greater than 0.25 inches, beginning the first week of the start of any construction activities including clearing and grubbing activities associated with this project.

Location: In open waters and in wetland surface waters adjacent to any wetland impact sites where turbidity problems seem apparent. The impact sample shall be taken approximately 5 feet outside of the turbidity/erosion control devices and/or within any visible turbidity plume. The background sample shall be taken in open waters and wetland surface waters upstream of the impact areas and construction limits/outside of any disturbance area or turbidity plume generated by this project.

Readings: The turbidity levels shall be monitored using EPA Method 180.1 and the project CEI and/or environmental scientist shall conduct the quality control measures, instrument calibrations, and turbidity sample readings in accordance with the operations manual of the turbidimeter instrument being utilized.

9. If, as a result of construction activities associated with this project, turbidity levels in open waters or wetlands outside of the authorized areas of impact are elevated by 29 or more NTUs above natural background levels, the permittee or the environmental scientist who is responsible for turbidity control (see Specific Condition #8) shall notify the Northwest District Submerged Lands and Environmental Resource Program Compliance section within 24 hours, construction activities shall cease in that section of the project, and immediate corrective action shall be taken by the permittee and its contractors. Construction shall not begin again in that area until the turbidity/erosion control devices have been adequately repaired, replaced or enhanced and turbidity levels are reduced to within 29 NTUs of the natural background levels.

10. Construction activities within wetlands, including clearing, equipment access and stockpiling of materials, shall be limited to the authorized areas of impact that are shown on the permit drawings. These areas do not necessarily extend to the edge of the right-of-way. Before construction activities begin, the agent and/or the contractor shall mark the limits of the authorized areas of impact with highly visible staked flagging labeled 'wetland line - do not cross'. All construction personnel shall be shown the location(s) of all wetland areas outside of the construction area to prevent encroachment from heavy equipment into these areas. The flagging shall be legible from 25 feet away and shall be posted on 50-foot intervals.

11. The disposal of construction debris from this project shall only take place in an approved solid waste disposal site in accordance with all applicable Federal, State, and local regulations. Best management

Permittee: Florida Department of Transportation

File No.: 66-0273702-001-DF

Page 7

practices shall be used at all times during the demolition of the bridge or portion of the bridge such that construction debris is not discarded into open waters or wetlands.

12. No hazardous materials, used in association with this project, shall be stored within or over the limits of the Department's jurisdiction. All refueling sites shall be located in uplands.

13. All stockpiled fill material to be used in future construction activities of the project shall be maintained and stabilized in such a manner as to prevent possible erosion or turbid discharges into wetlands or open waters following rain events. Methods of stabilization shall include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, and mulching; staged construction; and the installation of turbidity screens around the immediate stockpiled fill area. The stockpiled fill shall not be stockpiled in a partially constructed stormwater ponds associated with this project.

14. Construction activity shall be confined to the authorized impact areas only. Any unauthorized impacts to adjacent wetlands as a result of construction activities shall be reported by the permittee and its consultants/contractors to the Compliance and Enforcement Section of the Submerged Lands and Environmental Resource Program at (850) 595-8300, within 48 hours of discovering the unauthorized impact.

15. At no time during culvert construction shall jurisdictional wetland connections be severed. Culvert construction/placement activities shall include implementation of functional temporary channels or culverts prior to any fill placement in waterways.

16. This permit does not authorize any dewatering activities. The permittee shall notify the Department before conducting dewatering activities as well as obtain the proper permits for such activities if needed. In addition, if dewatering of surface water is necessary for culvert installation, it shall be accomplished by pumping the water into temporary holding pond in such a manner that the water percolates through the pond and does not discharge into waters of the state. The capacity of the ponds and the management of pumping rates and discharges shall be adequate to control turbidity such that the turbidity level of the effluent is less than 29 NTUs above natural background levels.

17. This permit does not authorize the construction of any utilities in DEP waters of the state outside the authorized impact areas and construction limits associated with this permit. In such a situation, the utility company shall obtain separate permits from the Department before beginning construction.

18. If a particular utility will be constructed within the impact areas and construction limits of this permit, but will begin its construction prior to the construction contractor beginning construction activities, then the permittee shall oversee the utility construction to ensure that all of the permit general and specific conditions associated with this project are followed.

19. Within 30 days of completion of construction, the permittee shall ensure that an As Built Certification, prepared by a Florida Registered engineer, is submitted to the Department at the following address: Department of Environmental Protection; Submerged Lands & Environmental Program, Compliance and Enforcement Program; 160 Governmental Center; Pensacola, Florida 32501-5794.

20. The Water Management Districts, in consultation with the Department and the U.S. Army Corps of Engineers (COE), develop regional plans for the mitigation needs for the Department of Transportation. Mitigation for the impact of 5.29 acres of wetlands, totaling 3.77 functional loss units using the Uniform Mitigation Assessment Method (62-345, Florida Administrative Code), shall be associated with this Regional Mitigation Plan pursuant to OGC #99-1877.

21. This permit shall be readily available at the project site to any duly authorized representative of the Department, the U.S. Army Corps of Engineers, or any empowered law enforcement officer. A copy of this permit and associated drawings shall be clearly posted and remain on site at all times during the activities. In addition you are required to post weather-resistant signs no smaller than 8 1/2 inches x 11" with the words "DEP Permit No. 66-0273702-001-DF". The signs shall be posted where they can be clearly seen from the road and shall remain posted while activities that are authorized in this permit are being constructed.

#### **RIGHTS OF AFFECTED PARTIES:**

This permit is hereby granted. This action is final and effective on the date filed with the Clerk of the Department unless a sufficient petition for an administrative hearing is timely filed under sections 120.569 and 120.57 of the Florida Statutes as provided below. If a sufficient petition for an administrative hearing is timely filed, this action automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Therefore, on the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under rule 62-110.106(4) of the Florida Administrative Code, a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

If a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Intervention will be permitted only at the discretion of the

presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

In accordance with rules 28-106.111(2) and 62-110.106(3)(a)(4), petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Under sections 120.569(2)(c) and (d) of the Florida Statutes, a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

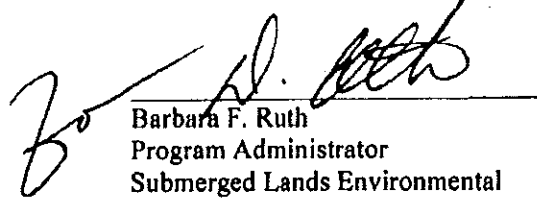
This permit constitutes an order of the Department. Subject to the provisions of paragraph 120.68(7)(a) of the Florida Statutes, which may require a remand for an administrative hearing, the

Permittee: Florida Department of Transportation  
File No.: 66-0273702-001-DF  
Page 10

373.114(1) or 373.4275 of the Florida Statutes. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

Executed in Pensacola Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Barbara F. Ruth  
Program Administrator  
Submerged Lands Environmental  
Resource Program

BFR:tr

Enclosure: Location Map  
Permit Drawings

cc: U.S. Army Corps of Engineers  
Shawn Mclemore, H.W. Lochner, Inc.

Permittee: Florida Department of Transportation  
File No.: 66-0273702-001-DF  
Page 11

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy clerk hereby certifies that this permit including all copies were mailed before the close of business on November 30, 2007 to the above listed persons.

**FILING AND ACKNOWLEDGMENT**

FILED, on this date, pursuant to 120.52(9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

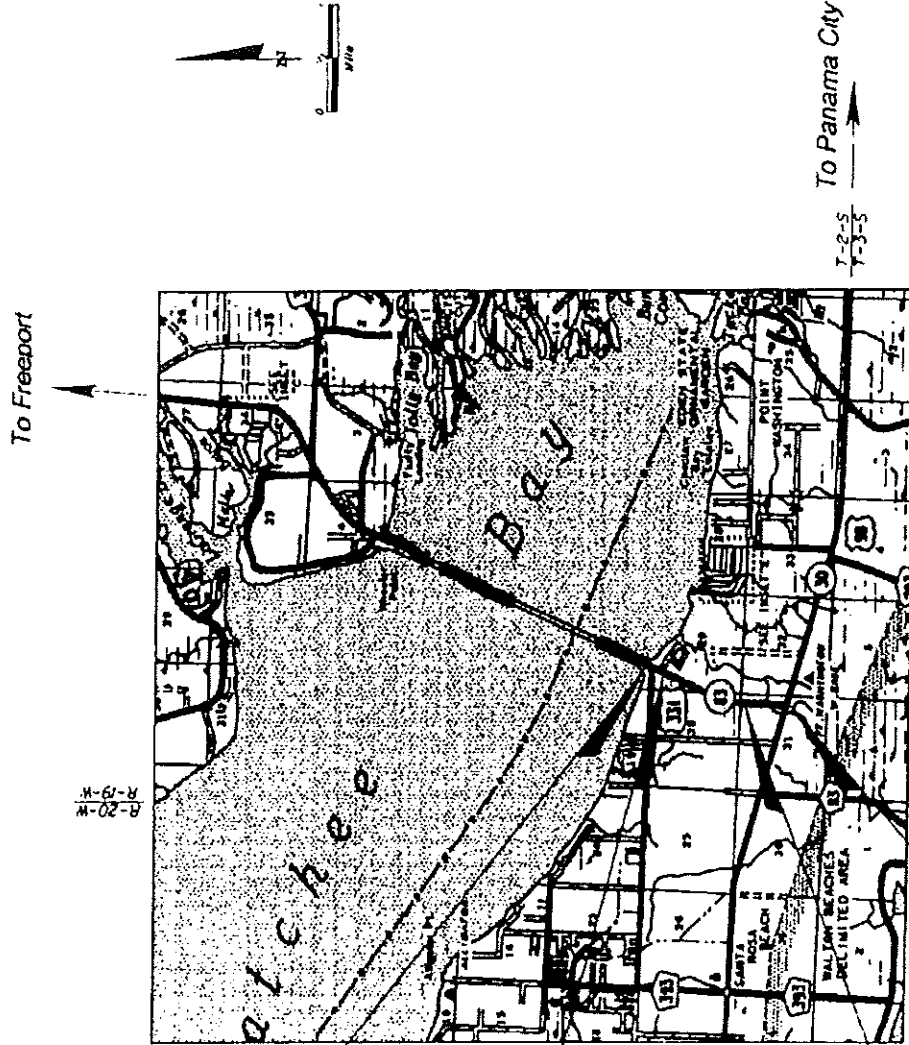
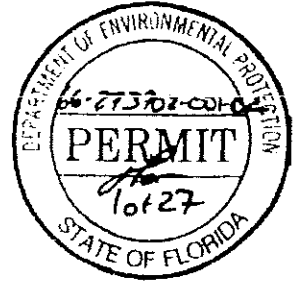
Cheryl D. Cullen

11/29/07

Prepared By:

Jed R...

27 pages attached



End Project  
Sta. 152+00.00  
@ Const. S.R. 83  
MP 1.537

Equation  
Sta. 343+99.07 Bk. =  
Sta. 144+00.00 Aft.

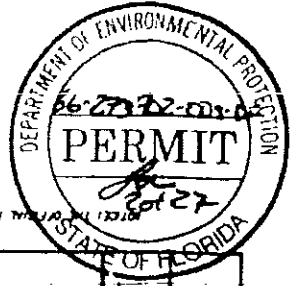
To Ft. Walton Beach

Equation  
@ Survey & @ Const.  
Sta. 76+28.22 Bk. =  
Sta. 276+88.22 Aft.

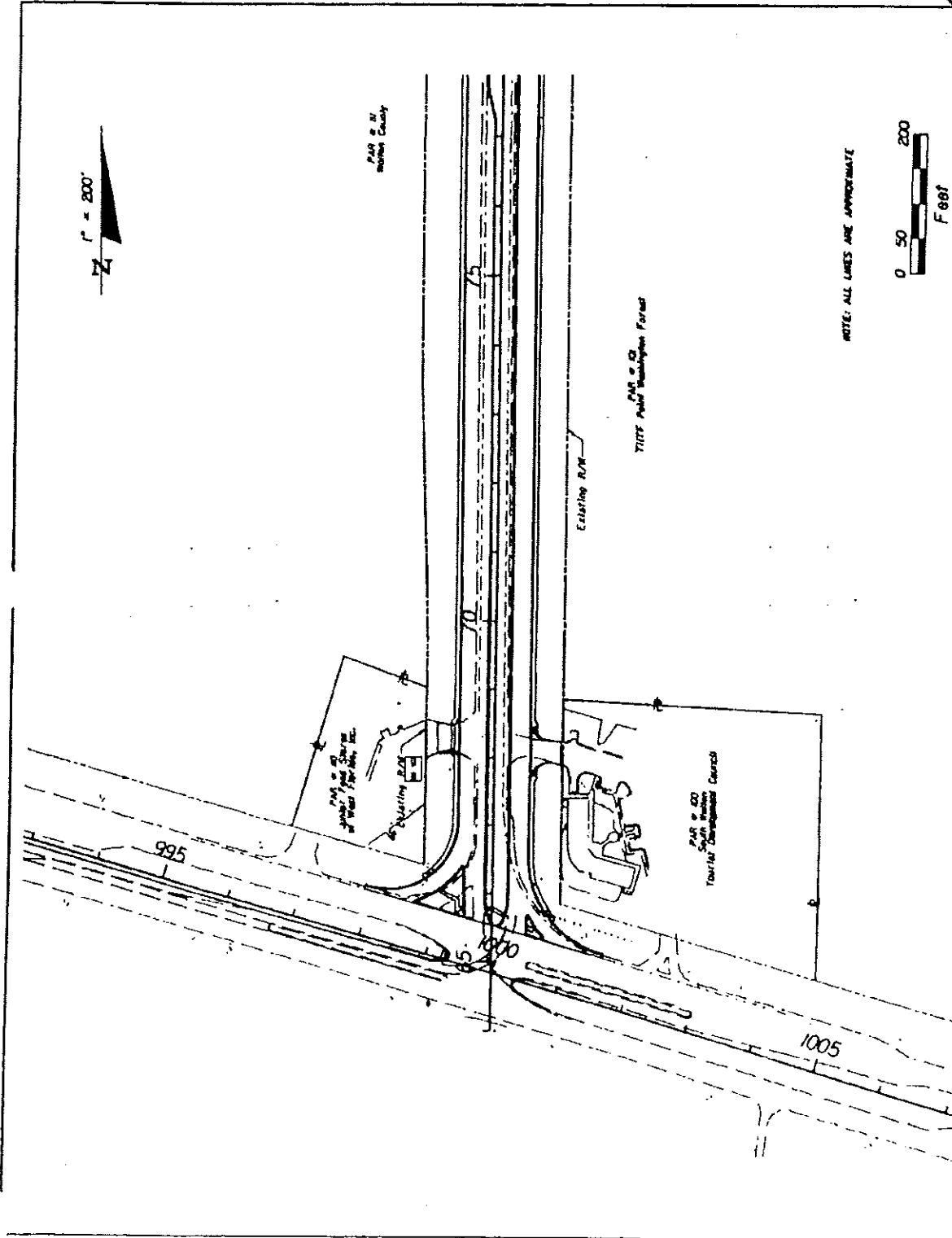
Begin Project  
Sta. 55+52.78  
@ Survey & @ Const. SR 83  
MP 0.0

**Project Location Map**





FOR THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE NUMBER AND SERIAL NUMBER AND NOT 605-(2)003, P.A.C.



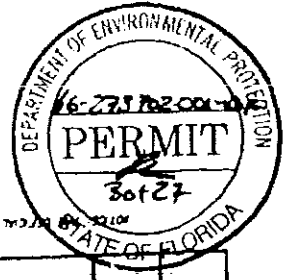
SHEET NO. 1

**PROJECT VIEW PERMITS - SR 83**

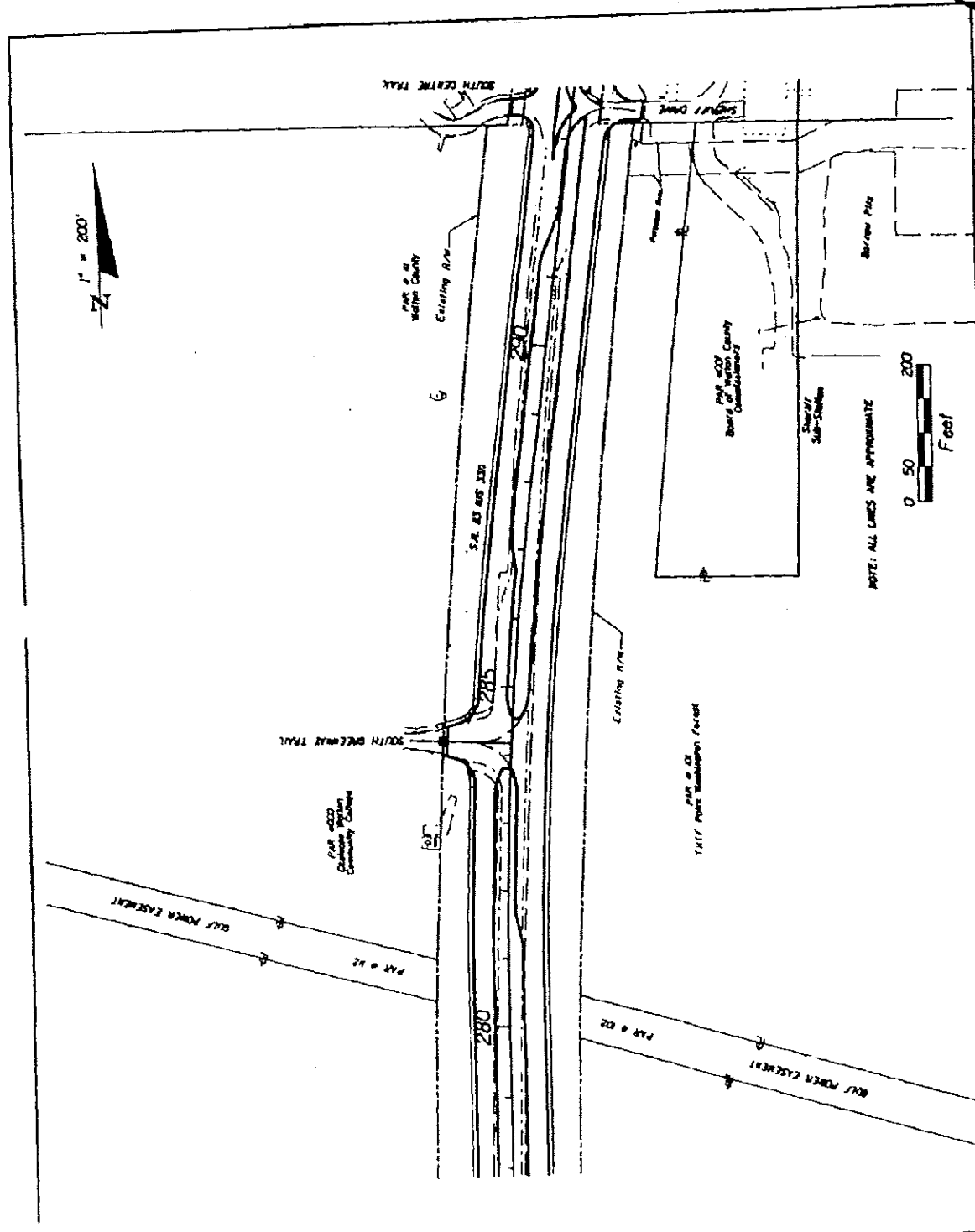
STATES OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO. 83	COUNTY WALTON
FINANCIAL PROJECT ID 220664-1-52-01	

**LOCHNER**  
 240 EAST PARK AVENUE, SUITE 200  
 TALLAHASSEE, FLORIDA 32304  
 PAPER CERTIFICATE OF AUTH. # 04  
 SANDRA LAMA, P.E. # 0311

December 21, 2005 (BRACKET) EST. IT-PROJECTS\ENR 8558\2006\SR83\VIEW\PERMITS\VIEW.PLOT

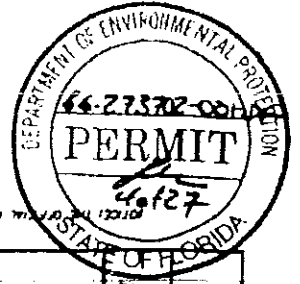


NOTES: 1. OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 68F-23.001, F.A.C.

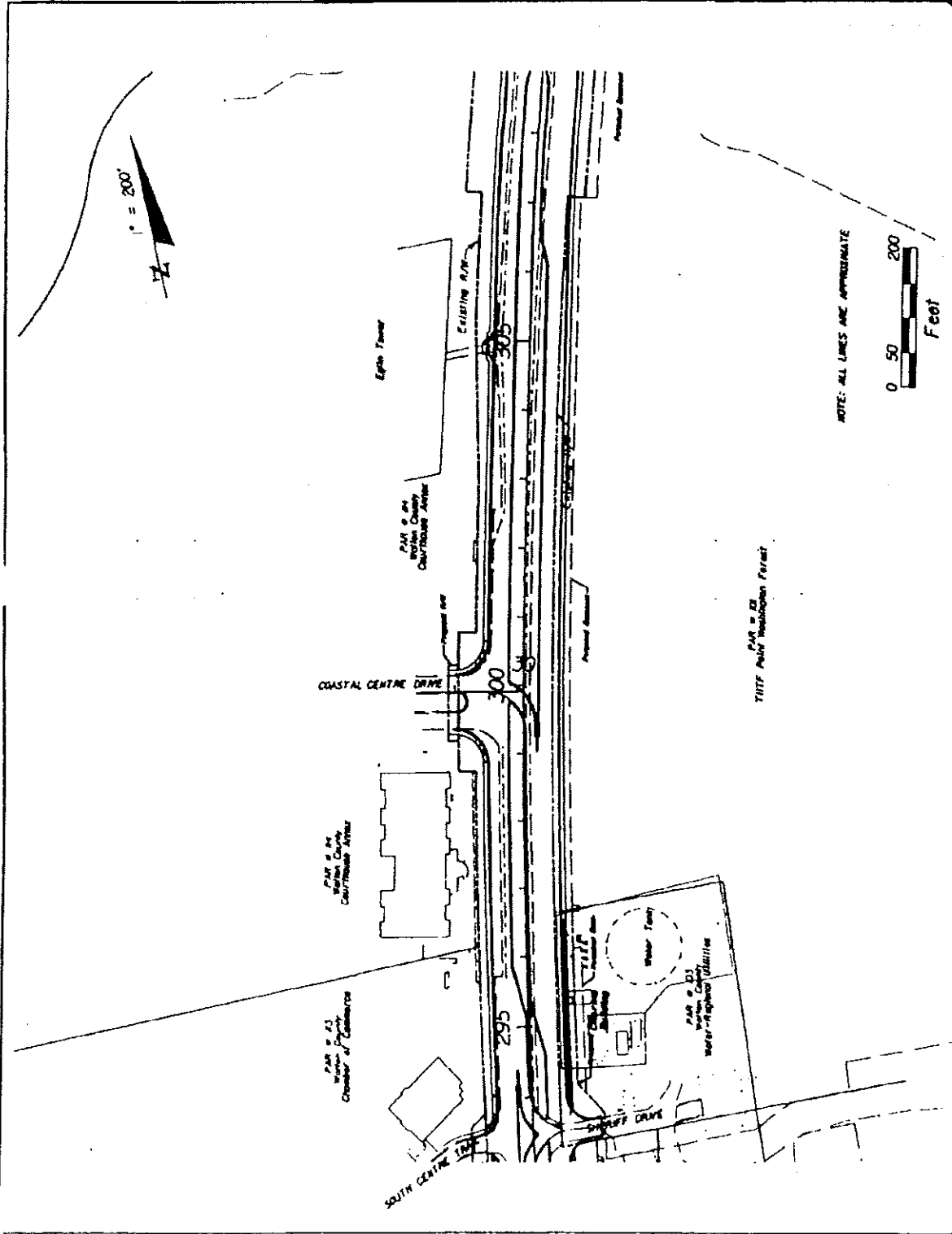


SHEET NO. 2	
PROJECT VIEW PERMITS - SR 83	
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ROAD NO. 83	COUNTY WALTON
FINANCIAL PROJECT ID 220664-1-52-01	
<b>LOCHNER</b> 270 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 PERMITS CERTIFICATE OF AUTHORITY # 84 SANDRA LANE, P.E. # 4313	

December 25, 2008 10:53:46 EST PROJECTS\2008\16-273702-001\PERMITS\2008



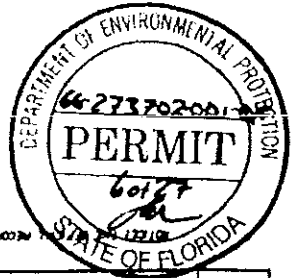
OFFICE OF PERMITS AND REGULATIONS, DEPARTMENT OF ENVIRONMENTAL PROTECTION, STATE OF FLORIDA, 66-27372-004



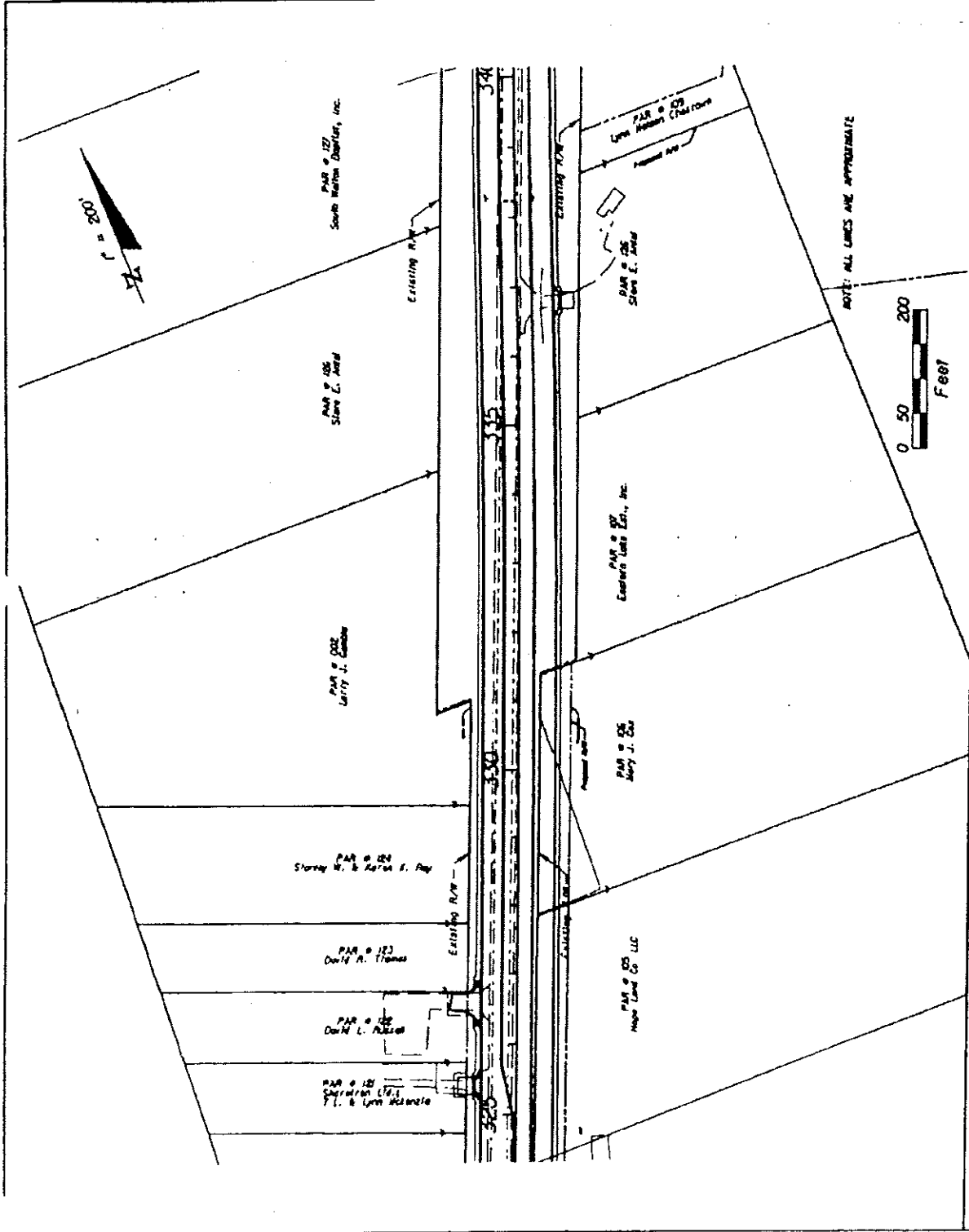
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TALLAHASSEE, FLORIDA 32304		ROAD NO. 83		PERMITS - SR 83	
PWR CERTIFICATE OF AUTH. # 894		COUNTY WALTON			
SANDRA LAMB, P.E. # 4211		FINANCIAL PROJECT ID 220664-1-52-01			

December 21, 2006 10:27:55 EST H:\PROJECTS\2004\1559\220664\SR-PERMITS\PERM1703.DWG





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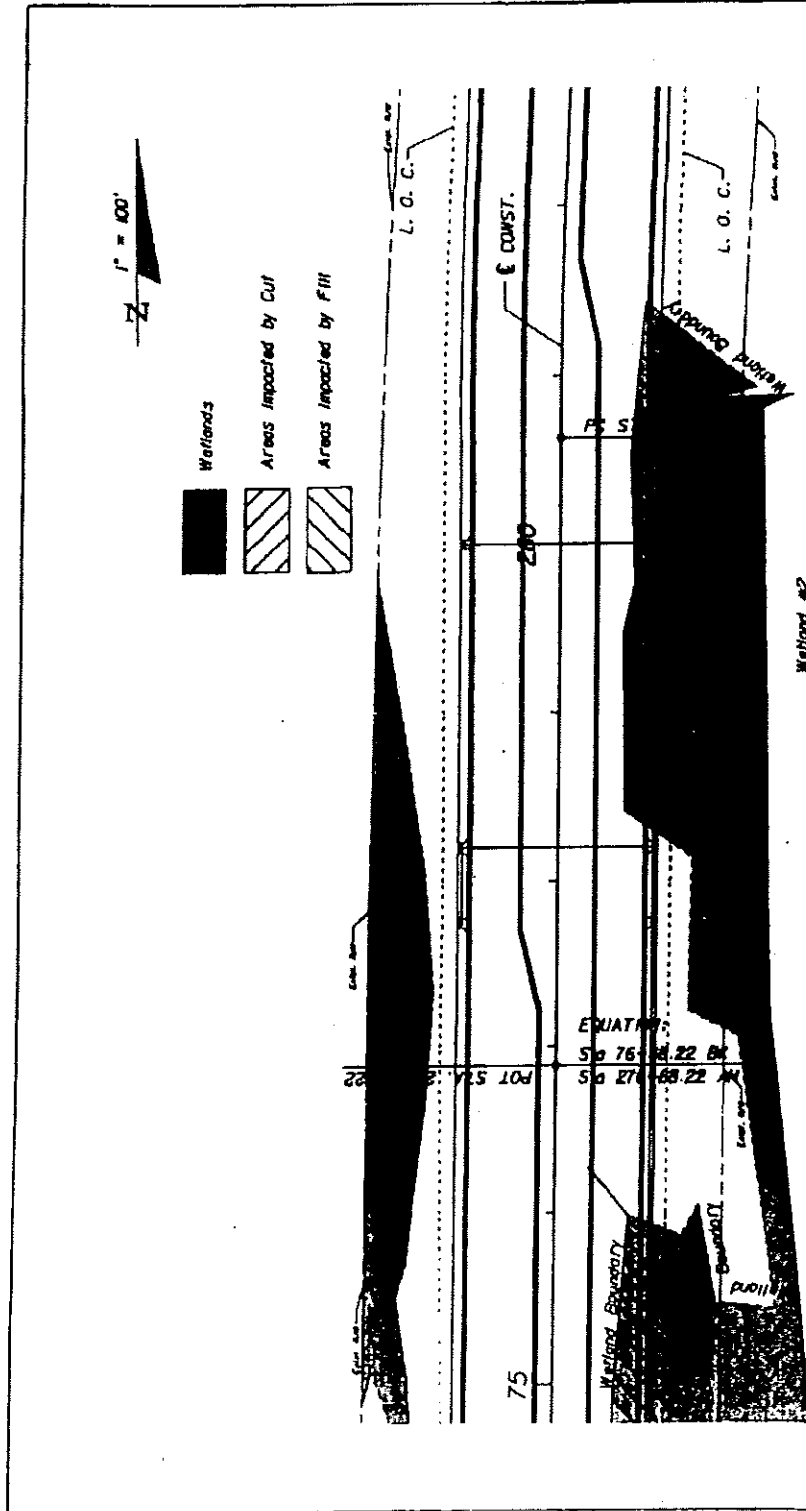
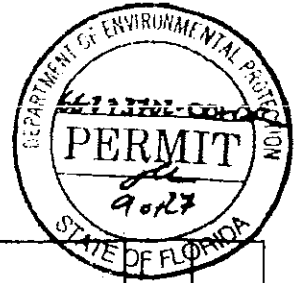


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ROAD NO.	83	COUNTY	WALTON	FINANCIAL PROJECT ID	220664-1-52-01		

December 2, 2008 (09/08/08 EST) - PROJECTS/2008/ISSUING/2008/ISSUING/PERMITS/PERMITS/004







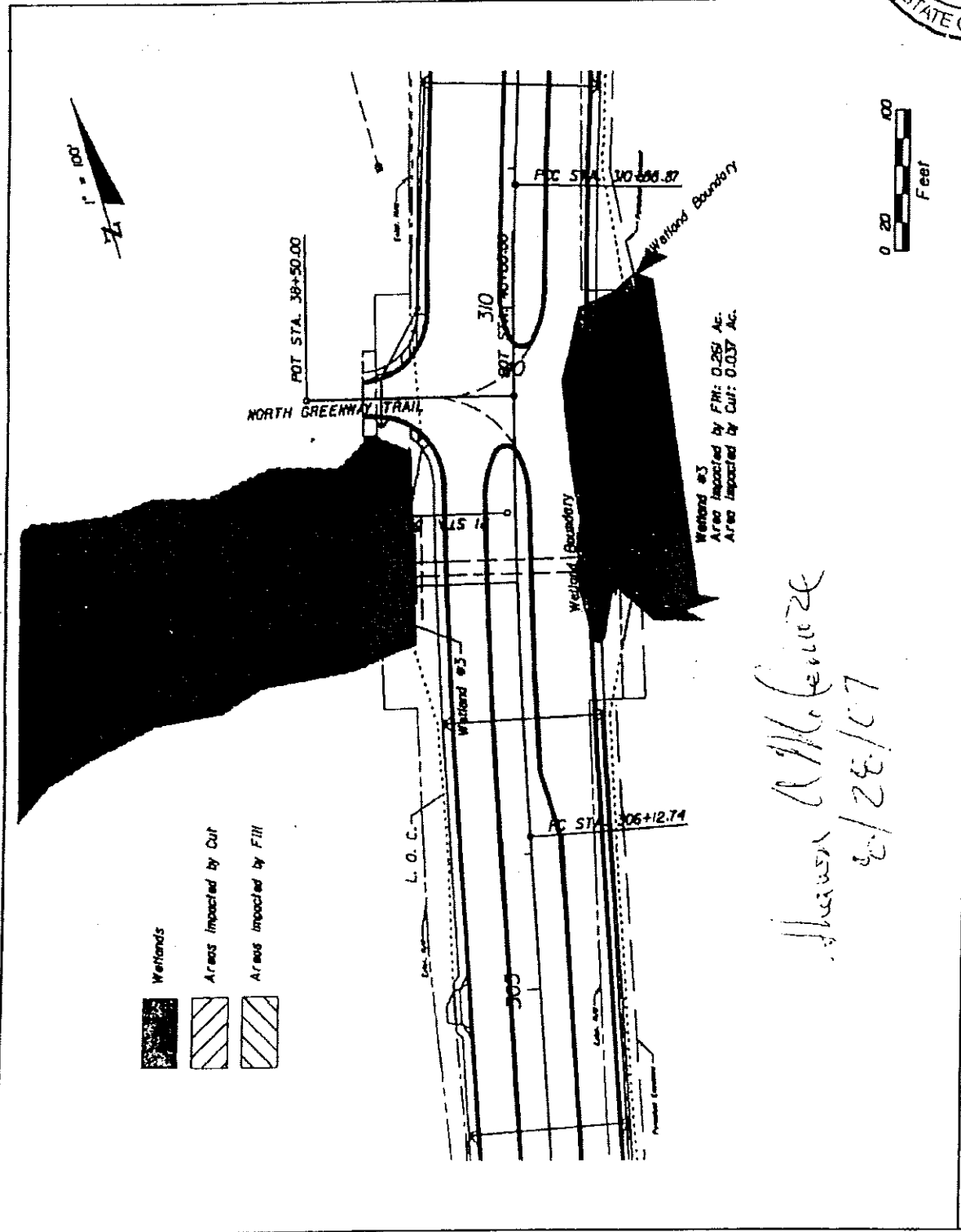
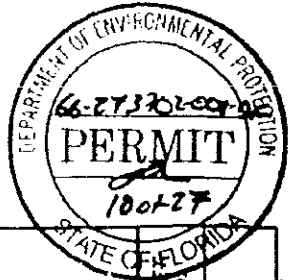
Wetland #2  
 Area Impacted by Fill: 0.902 Ac.  
 Area Impacted by Cut: 0.000 Ac.




*Sharon Gilliland*  
 8/28/07

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
83	WALTON	220664-1-52-01					

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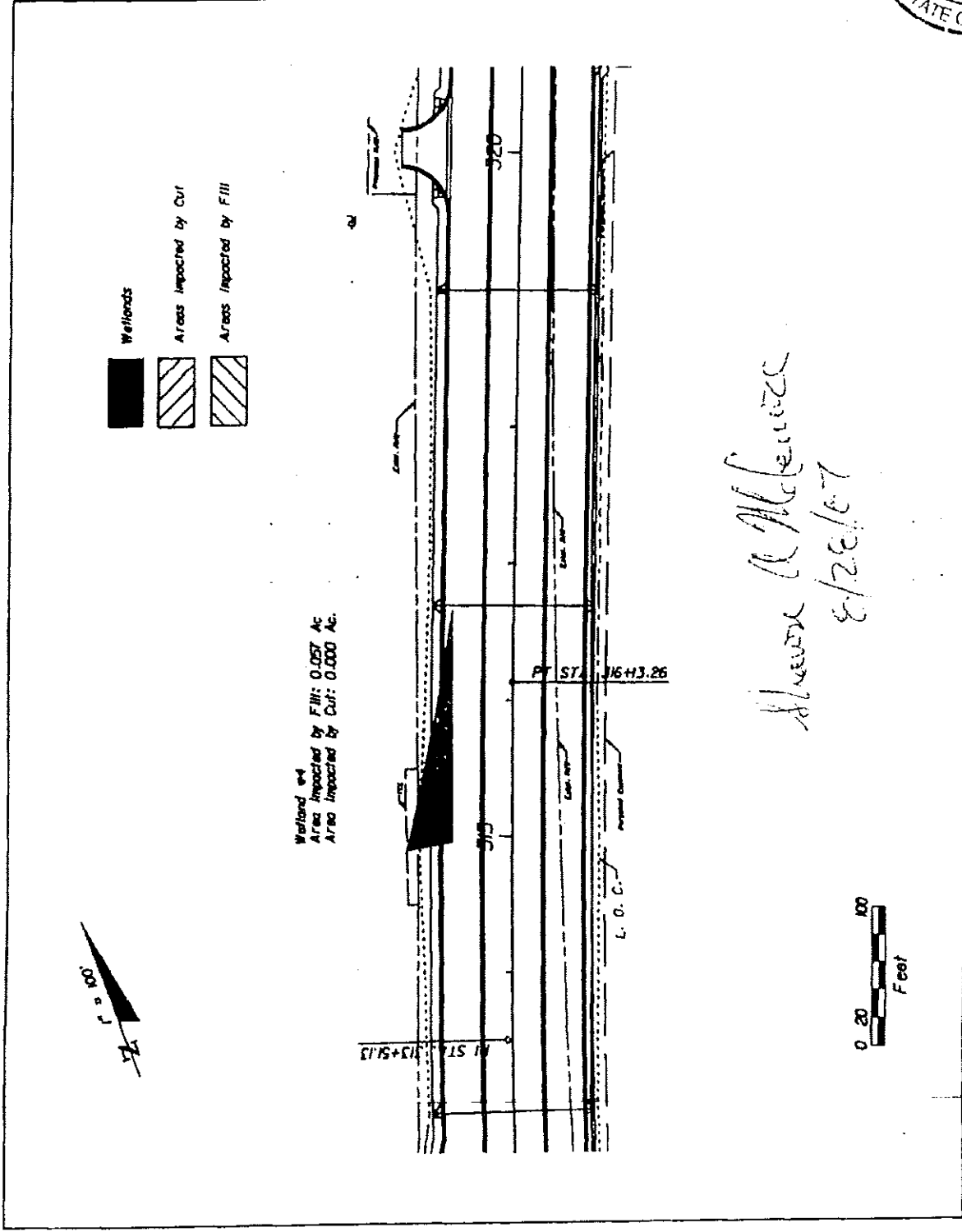




-  Wetlands
-  Areas Impacted by Cut
-  Areas Impacted by Fill

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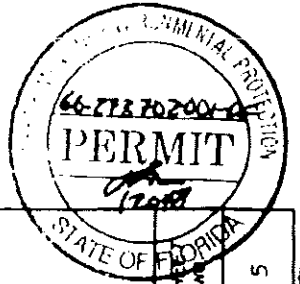
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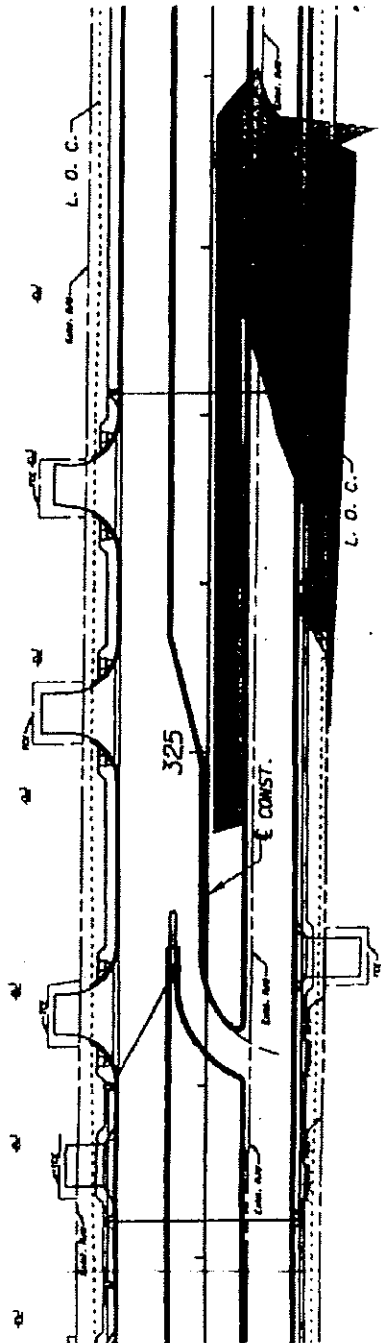
*Alvina R. McLeese*  
*8/28/87*

<b>LOCHNER</b>		<b>STATE OF FLORIDA</b>		<b>WETLAND IMPACTS</b>		SHEET NO. <b>4</b>
700 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 PMPK CERTIFICATE OF AUTH. # 854 SANDRA LAMB, P.E. # 43115		DEPARTMENT OF TRANSPORTATION		SR 83		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
83	WALTON	220664-1-52-01				

August 10, 2007 08:42:21 EST I:\PROJECTS\SR83\0804-0001\PERMITS\PERMITS\IMPACTS.DWG



- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill



Wetland #6  
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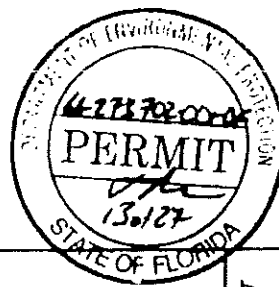
*Sharon McLeary*

8/28/87



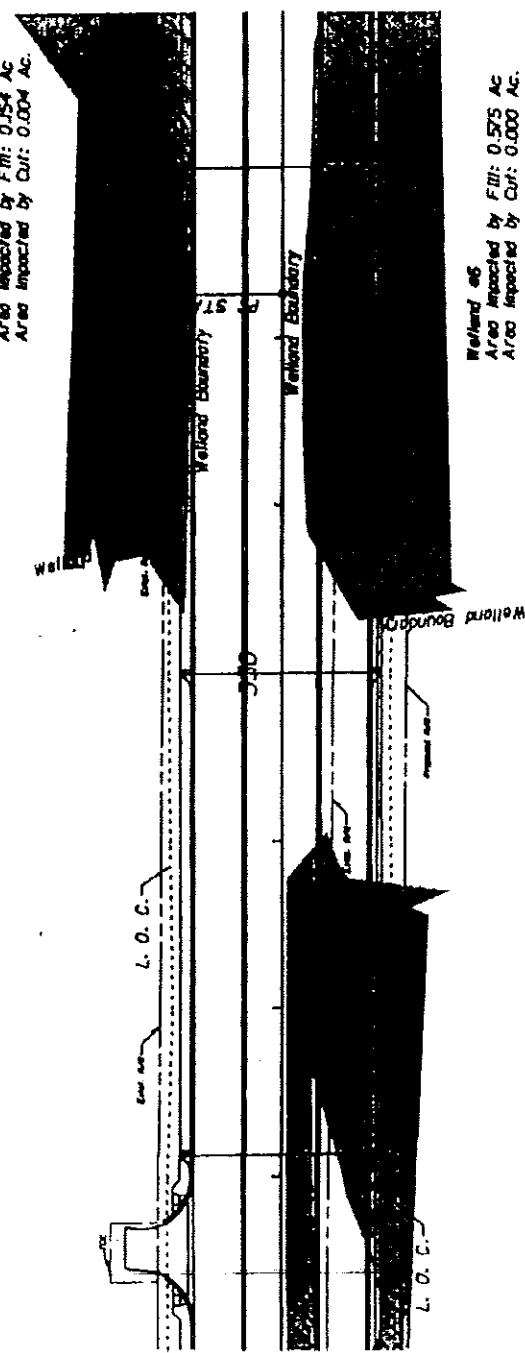
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 83		
83	WALTON	220664-1-52-01	5		

FORM 6, 007 4075325 (57) PROJECTS ARE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS, IMPACTS, AND COSTS.



- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill

Welland #5  
 Area Impacted by Fill: 0.154 AC  
 Area Impacted by Cut: 0.004 AC.



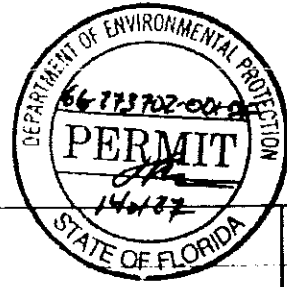
Welland #6  
 Area Impacted by Fill: 0.575 AC  
 Area Impacted by Cut: 0.000 AC.

Welland #6  
 Area Impacted by Fill: 0.423 AC  
 Area Impacted by Cut: 0.000 AC.



*Sharon A. McLeone*  
*8/28/07*

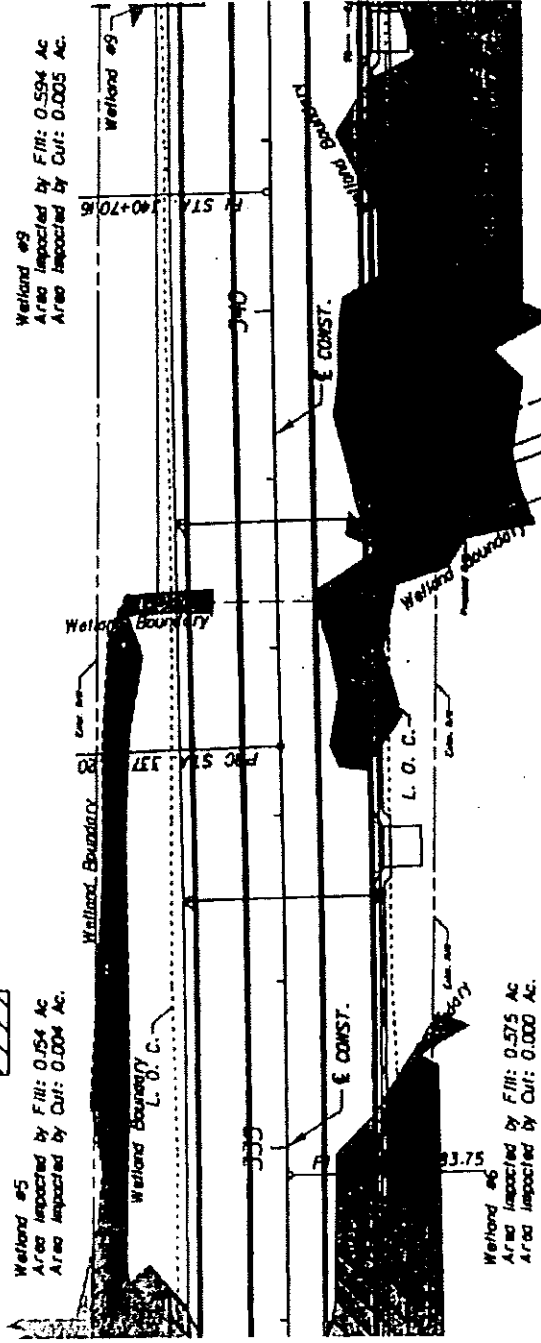
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
83	WALTON	220664-1-52-01				



Wetland #5  
 Area Impacted by Fill: 0.154 AC  
 Area Impacted by Cut: 0.004 AC

Wetland #9  
 Area Impacted by Fill: 0.594 AC  
 Area Impacted by Cut: 0.005 AC

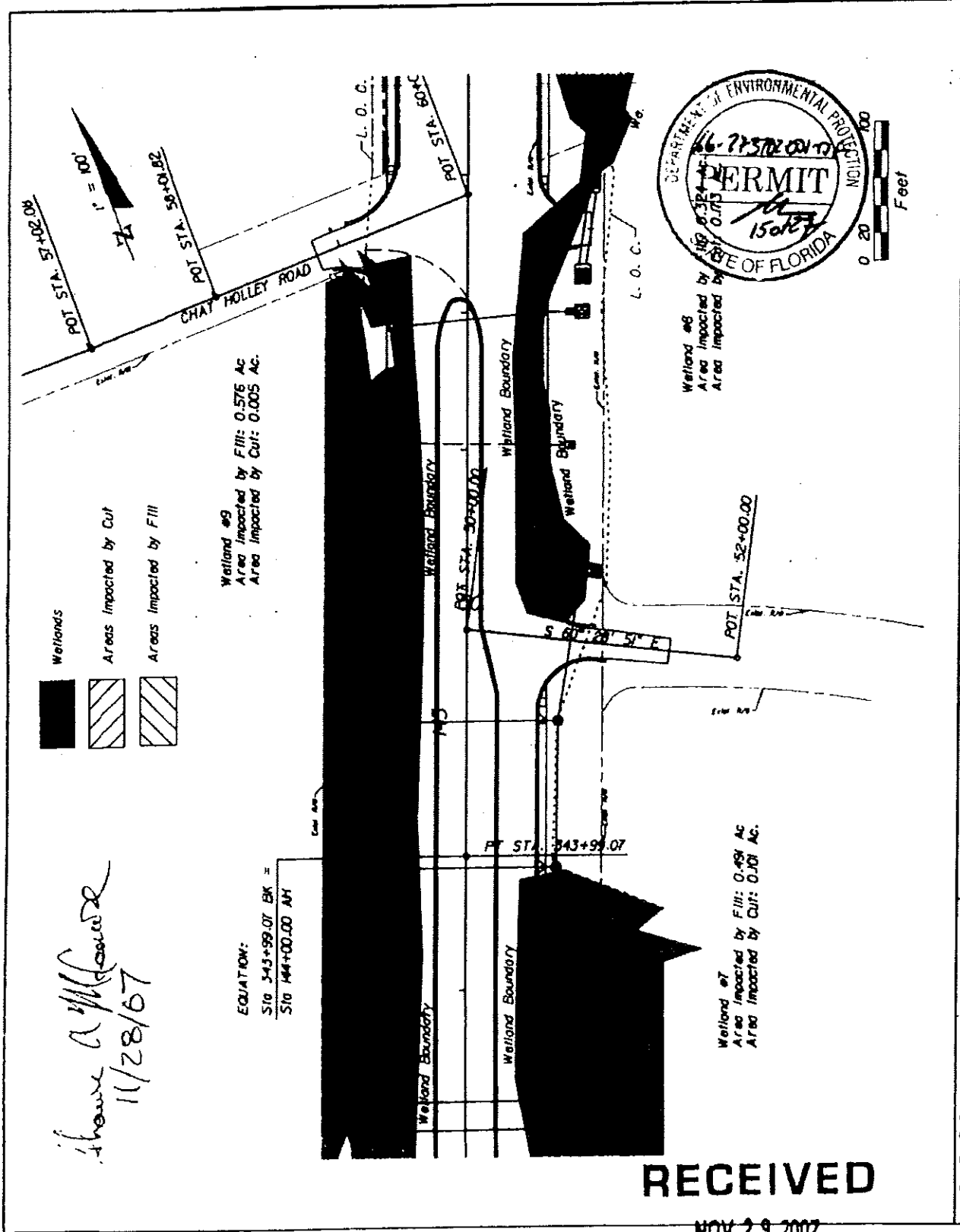
Wetland #6  
 Area Impacted by Fill: 0.575 AC  
 Area Impacted by Cut: 0.000 AC



*Sharon D. McConnaughey*  
 2/28/87

<b>LOCHNER</b> 700 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32304 PEPA CERTIFICATE OF AUTH. # 84 SANDRA LAMB, P.E. : 43315		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 83 COUNTY WALTON FINANCIAL PROJECT ID 220664-1-52-01		<b>WETLAND IMPACTS</b> SR 83		SHEET NO. 7
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APPENDIX 10, 2027 62 602-58 5511 14-PROJECTS-2026 1225P-CORRECTIONS-PERMIT-IMPACT-503.DWG



*Shawn A. McFarlane*  
 11/28/07

EQUATION:  
 Slo 343+99.07 BK =  
 Slo 144+00.00 AH

Wetland #7  
 Area Impacted by Fill: 0.498 AC  
 Area Impacted by Cut: 0.001 AC

Wetland #9  
 Area Impacted by Fill: 0.576 AC  
 Area Impacted by Cut: 0.005 AC

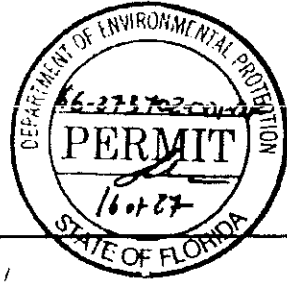
Wetland #8  
 Area Impacted by Fill: 0.576 AC  
 Area Impacted by Cut: 0.005 AC

**RECEIVED**

NOV 29 2007

NORTHWEST FLORIDA  
 DEP

<b>LOCHNER</b> 2740 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 PEPPER CERTIFICATE OF AUTH. # 894 SANDRA LAMR, P.E. # 42315		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 83 COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01	SHEET NO. <b>WETLAND IMPACTS</b> SR 83	8
--	--	---	--	--	---



Wetlands



Areas Impacted by Cut

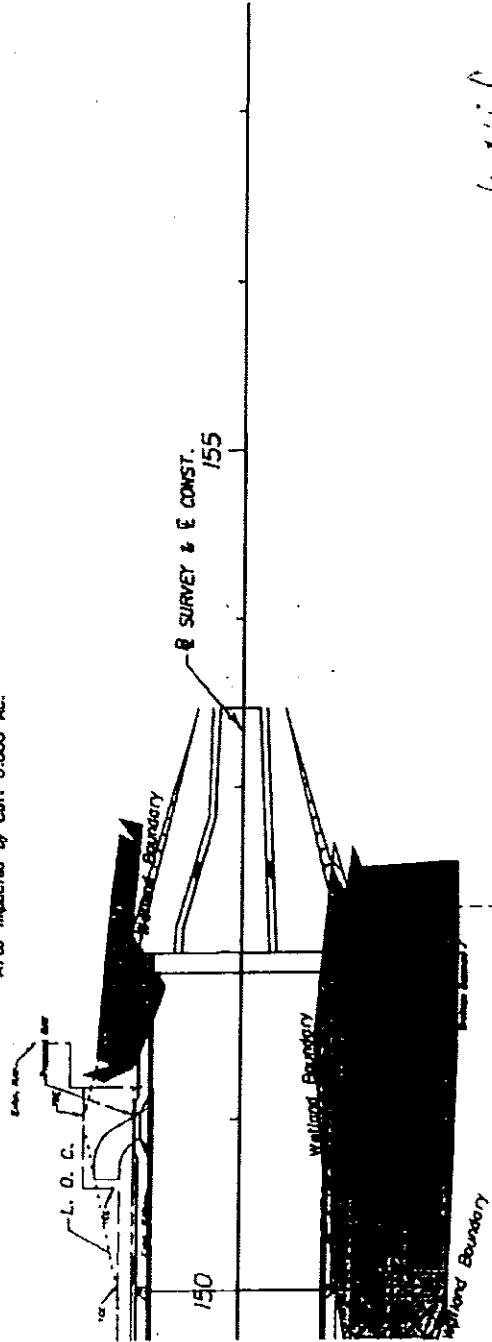


Areas Impacted by Fill



Wetland #10  
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Area Impacted by Cut: 0.000 Ac.

Wetland #6  
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Area Impacted by Cut: 0.173 Ac.



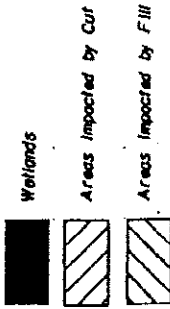
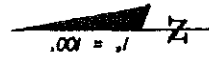
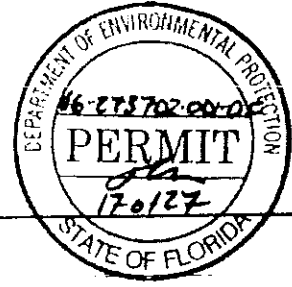
*Shoreline*  
*1/28/07*



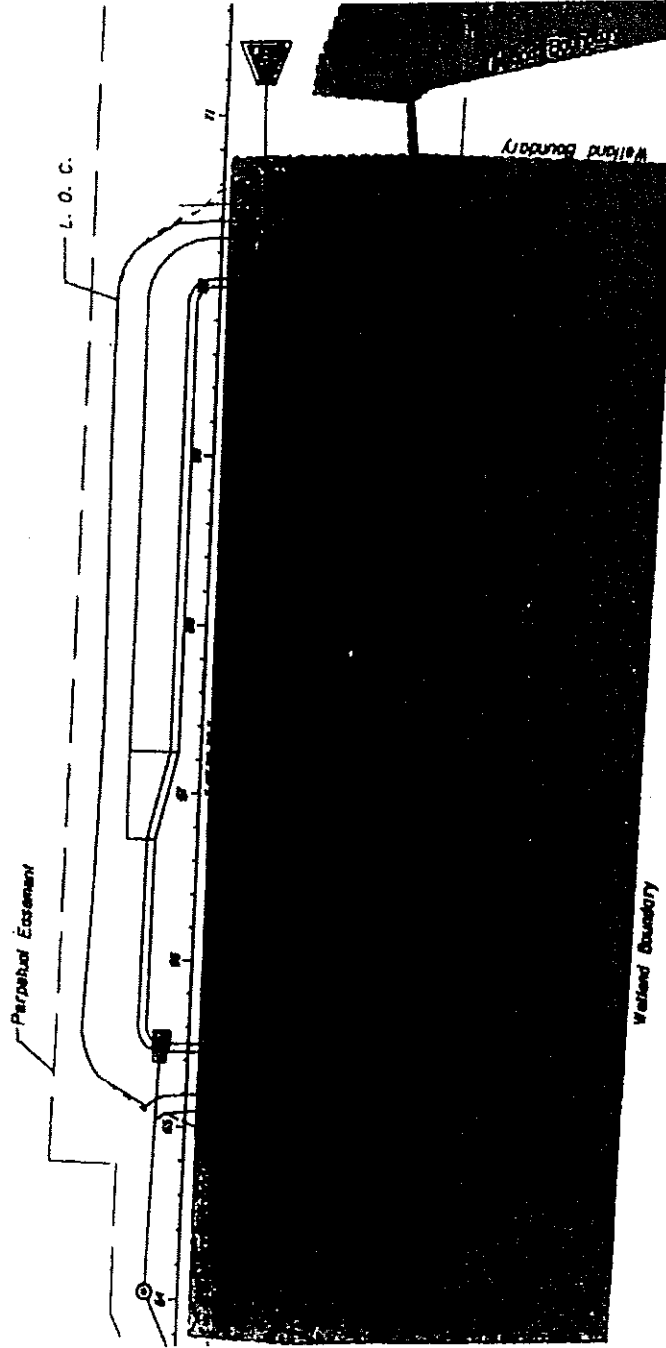
<b>LOCHNER</b>		<b>STATE OF FLORIDA</b>		<b>WETLAND IMPACTS</b>		<b>SHEET NO. 9</b>	
3700 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 PMPR CERTIFICATE OF AUTH. # 04 SANDRA LAMB, P.E. # 43113		DEPARTMENT OF TRANSPORTATION		SR 83			
		COUNTY		WALTON			
		FINANCIAL PROJECT ID		220664-1-52-01			
		ROAD NO.		83			

April 10, 2008 10:51 AM EST  
PROJECT'S USE: USHW/COASTAL/DEVELOPMENT/PERMIT, IMPACTS/SP 204

**RECEIVED**  
FEB 29 2008  
JACKSONVILLE DISTRICT  
USACE



*Approved by W/Weber  
8/28/77*



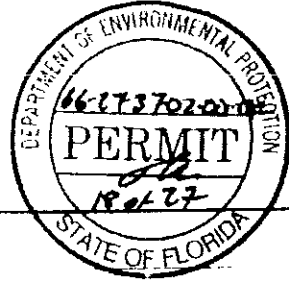
Wetland BP  
Area Impacted by Fill: 1.524 Ac.  
Area Impacted by Cut: 0.000 Ac.



<b>LOCHNER</b> 2948 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32311 FROM CERTIFICATE OF AUTHORITY # 874 SANDRA LAXEL, P.E. # 43311	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>WETLAND IMPACTS</b>  <b>SR 83</b>		SHEET NO. <b>10</b>
	ROAD NO. <b>83</b>	COUNTY <b>WALTON</b>	FINANCIAL PROJECT ID <b>220664-1-52-01</b>		

August 01, 2007 10:52:52 EST | \\N:\PROJECTS\220664-1-52-01\PERMITS\PERMIT\_IMPACTS.DWG

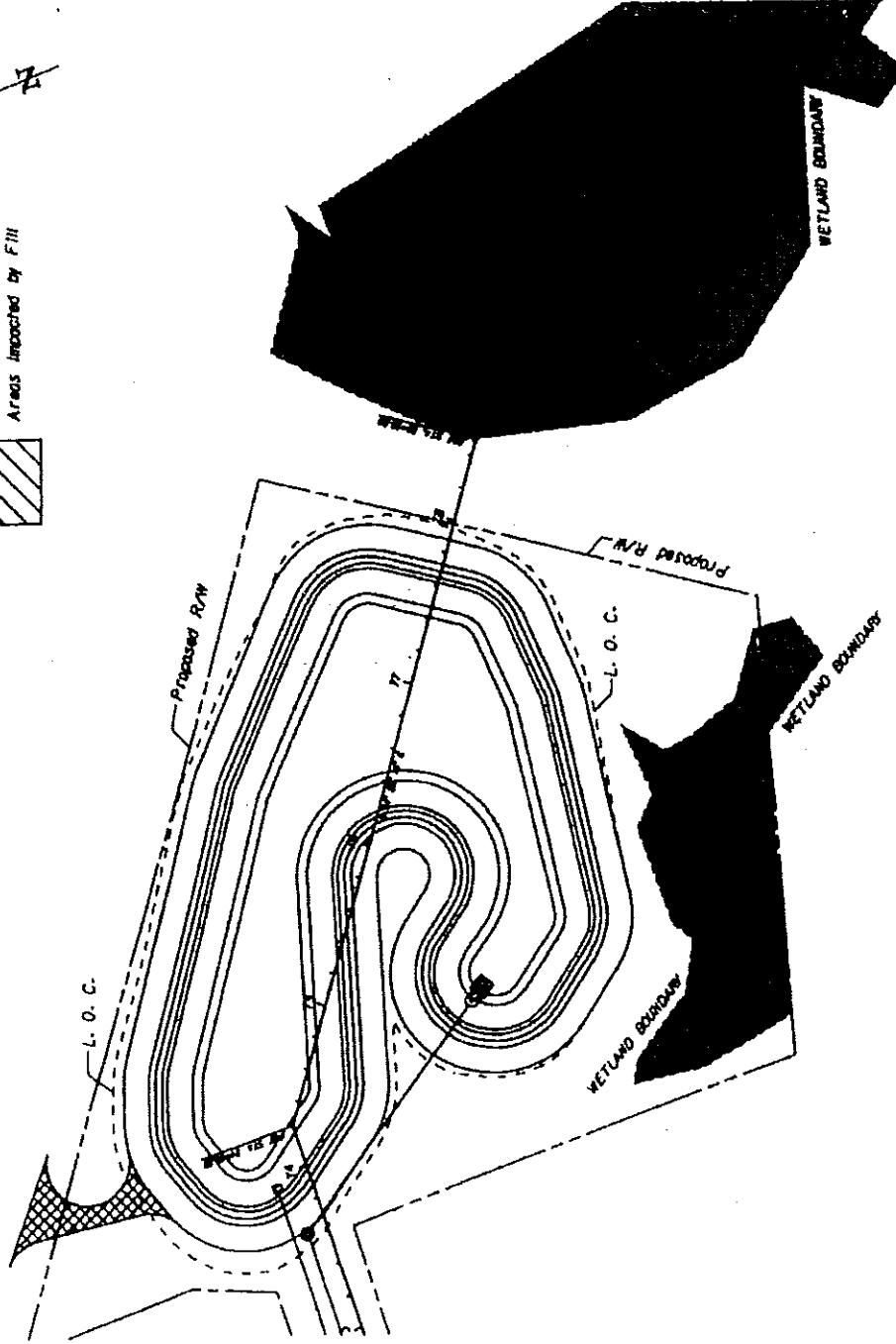




- Wetlands
- Areas Impacted by Cut
- Areas Impacted by Fill



*Handwritten:*  
 Susan A. McLeary  
 2/28/83



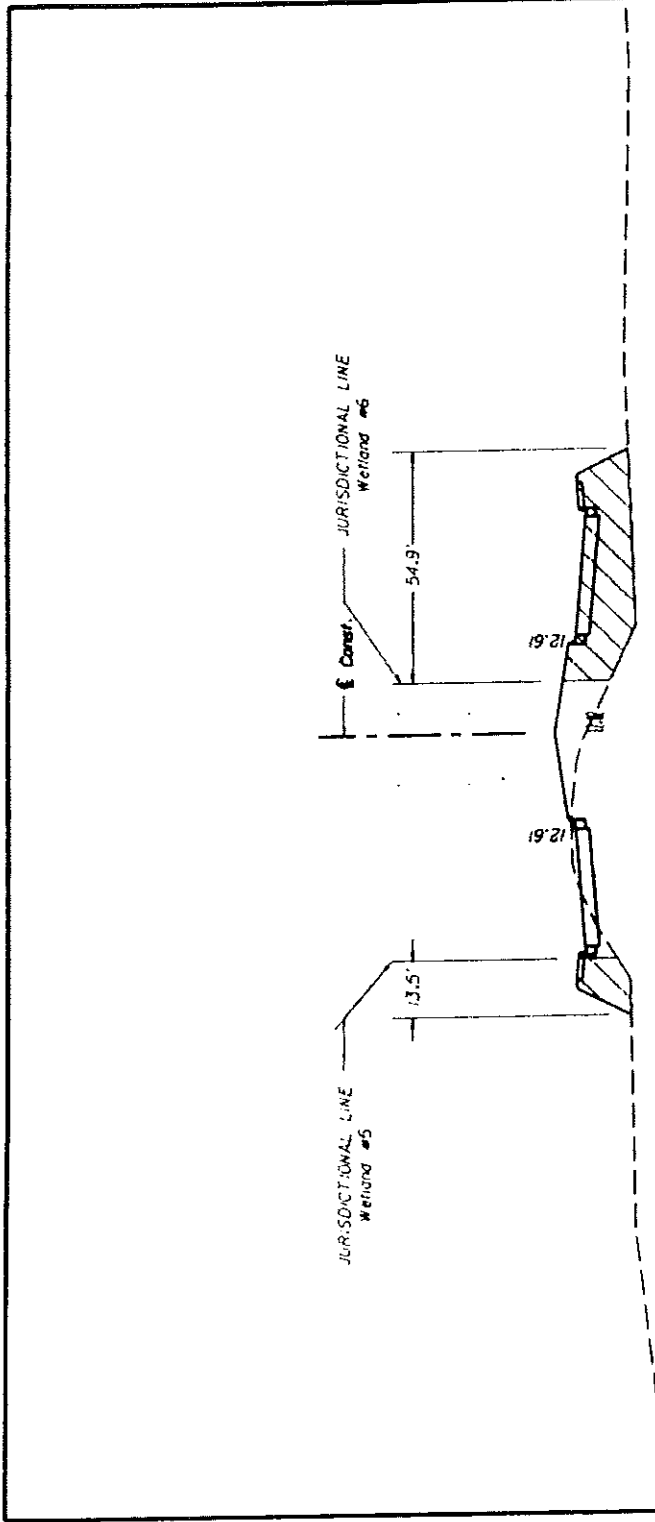
<b>LOCHNER</b> 3740 EAST PARK AVENUE, SUITE 208 TALLAHASSEE, FLORIDA 32301 PDP# CERTIFICATE OF AUTH. # 84 SANSRA LAHER, P.E. & JDIS	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 83	COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01	SHEET NO. 11
	WETLAND IMPACTS SR 83			

AMOUNT \$5,000.00 PER 1000 SQ. YD. OF FILL. PERMIT # 66-273702-001







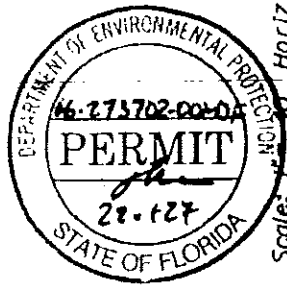


JURISDICTIONAL AREA IMPACTED BY FILL



*Shoreline Control*  
*8/28/87*

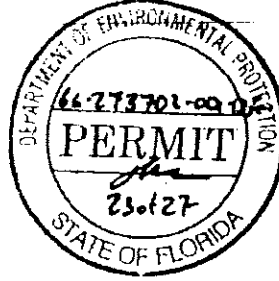
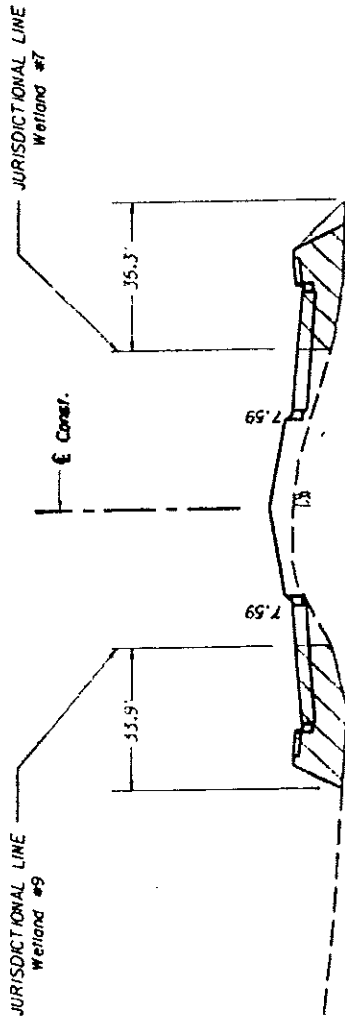
332+00.00 @ Const.  
 S.R. 83



Scale: 1" = 10' Vert.  
 1" = 10' Horiz.

<b>LOCHNER</b> 340 EAST PARK AVENUE, SUITE 200 TALLAHASSEE, FLORIDA 32301 PAPER CERTIFICATE OF AUTH. # 84 SANDRA LAMB, P.E. # 4311		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 83		COUNTY WALTON		FINANCIAL PROJECT ID 220664-1-52-01		<b>WETLAND IMPACTS</b> SR 83		SHEET NO. 15
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*Steven A. Medved  
8/21/07*



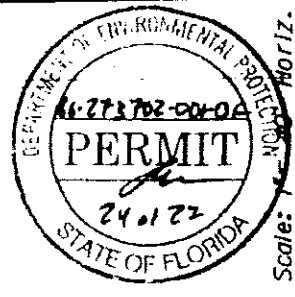
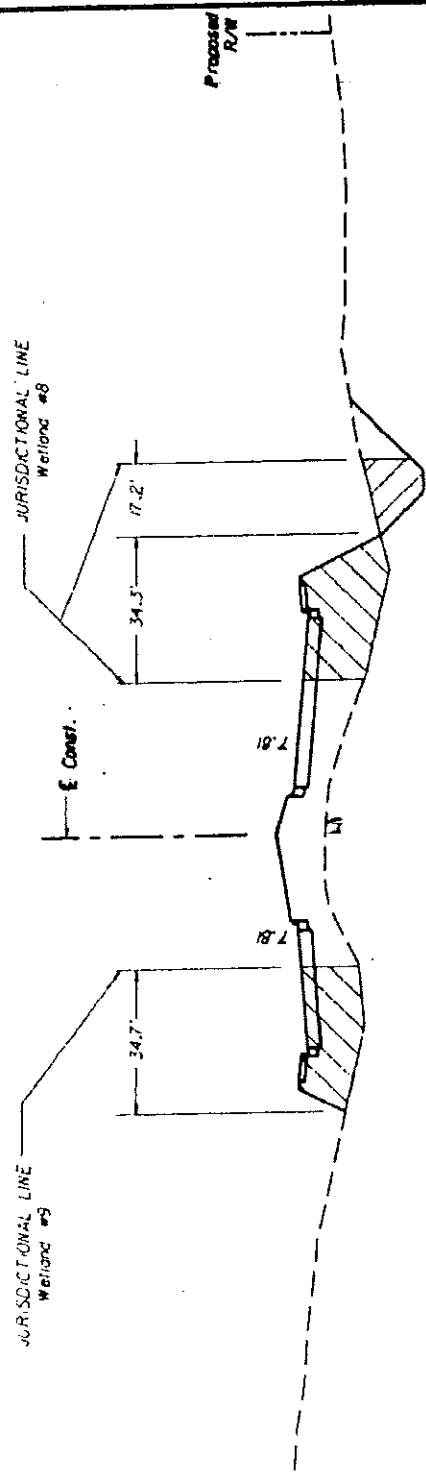
JURISDICTIONAL AREA IMPACTED BY FILL

Scale: 1" = 40' Horiz.  
1" = 10' Vert.

343+00.00  $\pm$  Const.  
S.R. 83

<b>LOCHNER</b> 5740 EAST PARK AVENUE, SUITE 240 TALLAHASSEE, FLORIDA 32309 FPPR CERTIFICATE OF AUTH. # 874 SANDRA LAMB, P.E. # 4211	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 83 COUNTY WALTON FINANCIAL PROJECT ID 220664-1-52-01	SHEET NO. 16
	<b>WETLAND IMPACTS</b> <b>SR 83</b>			

*Howe Mill Lane  
8/28/07*



Scale: 1" = 10' Vert.  
1" = 10' Horiz.

JURISDICTIONAL AREA IMPACTED BY FILL  
 JURISDICTIONAL AREA IMPACTED BY CUT

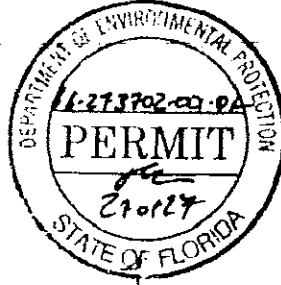
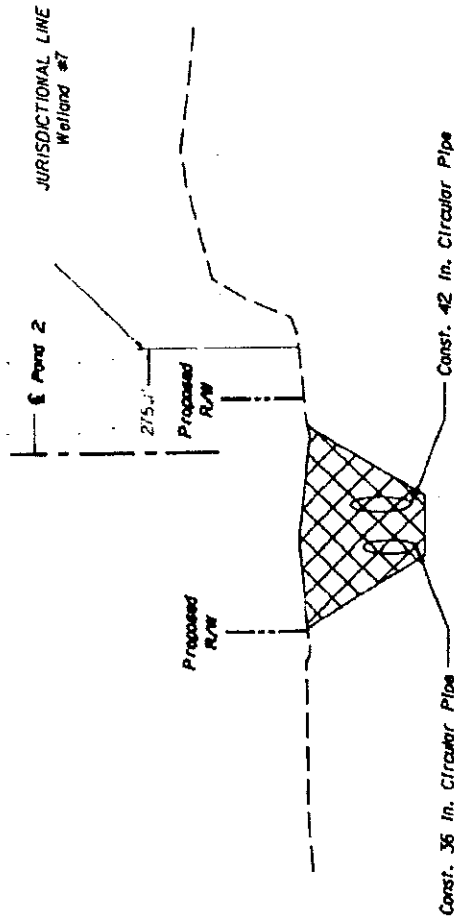
146+00.00 E Const.  
S.R. 83

<b>LOCHNER</b> 340 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32301 P&P CERTIFICATE OF AUTH. # 84 SANDRA LAMB, P.E. # 4311	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 83 COUNTY WALTON FINANCIAL PROJECT ID 220664-1-52-01	<b>WETLAND IMPACTS</b> <b>SR 83</b>	SHEET NO. 17
	ROAD NO. 83 COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01			





*Sharon R. Henderson  
8/28/07*



JURISDICTIONAL AREA IMPACTED BY CUT AND FILL



Scale: 1" = 40' Horiz.  
1" = 10' Vert.

71+50.00 £ Pond 2

<b>LOCHNER</b> 104 EAST PARK AVENUE, SUITE 300 TALLAHASSEE, FLORIDA 32310 FPMR CERTIFICATE OF AUTH. # 84 SANDRA LAMER, P.E. # 4311	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		COUNTY WALTON	FINANCIAL PROJECT ID 220664-1-52-01	SHEET NO. 20
	ROAD NO. 83	<b>WETLAND IMPACTS</b> <b>POND 2</b>			

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineered drawings to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, Florida 32232-0019. If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-2907.

1. Department of the Army Permit Number: \_\_\_\_\_

2. Permittee Information:

Name \_\_\_\_\_

Address \_\_\_\_\_

3. Project Site Identification:

Physical location/address \_\_\_\_\_

4. As-Built Certification:

I hereby certify that the authorized work 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)

\_\_\_\_\_  
Florida Reg. Number

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

\_\_\_\_\_  
Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
ZIP

(Affix Seal)

\_\_\_\_\_  
Date

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

Deviations from the approved plans and specifications: (attach additional pages if necessary)

U.S. Army Corps of Engineers

Permit # 545-247-1175

Date: FEB 21 2008

Attachment: 3



## LIVE OAK PENINSULA MITIGATION

### UWRMP Section 5.3.5 Supplement

- **Lewis Parcel**
- **Lee Parcel**
- **Section 16 School Lands**
- **US 331 (US 98 to Choctawhatchee Bay) Impacts**

**Revision: 8 February 2008**

#### **General Site Description of Live Oak Peninsula:**

Located within Choctawhatchee Bay, Live Oak Peninsula contains approximately 1,000 acres of salt marsh (FLUCCS 642). Species include black needlerush (*Juncus roemerianus*), saltmarsh cordgrass (*Spartina alterniflora*), bulrush (*Scirpus* spp.) and big cordgrass (*Spartina cynosuroides*), with scattered pines and other transitional species occurring on hammocks within the marsh. A network of mosquito control ditches, dug by the South Walton Co. Mosquito Control District during the 1960s, is also within the salt marsh. Some Chinese tallow (*Sapium sebiferum*) has been noted on relic ditch spoil piles. To the east, the salt marsh grades into hydric pine flatwoods (FLUCCS 625) which is under intense development pressures. Functions associated with the Live Oak Peninsula wetlands include shoreline stabilization, buffering upland areas from storm surges, providing nursery and foraging habitat for a variety of aquatic organisms, bird habitat, and the natural filtering of runoff from adjacent uplands.

For past FDOT mitigation needs on US 98, the NFWFMD purchased ~320 acres of salt marsh at Live Oak Peninsula in 1999, followed by acquisition in 2001 of an additional ~132 acres from the State of Florida Board of Trustees (BOT). To further protection of wetland habitat and water resources within Choctawhatchee Bay, the NFWFMD has targeted additional acquisitions, especially hydric pine flatwoods threatened by development, at Live Oak Peninsula. All targeted acquisitions at Live Oak Peninsula are within the South Walton Area Mitigation Project (SWAMP) priority lands.

#### **Lewis Parcel:**

- ~40 acres
  - ~4 acres palustrine forested/emergent wetlands
  - ~29 acres estuarine emergent wetlands
  - ~7 acres seagrass beds / open water

**Lee Parcel:**

- ~20 acres
  - ~18 acres palustrine forested/emergent wetlands
  - ~2 acres estuarine emergent wetlands

**Section 16 School Lands:**

- ~220 acres estuarine emergent wetlands

**Restoration Activities:**

Native habitats, including freshwater marsh, salt marsh, and forested wetlands will be enhanced through perpetual ecological management including control of nuisance and exotic plant and animal species. Actual restoration techniques implemented will be dependent upon site-specific conditions and adaptive management strategies.

**Success Criteria:**

Success criteria will be derived from Chapter 11 of the UWRMP.

**Monitoring:**

Monitoring protocols to be implemented will be derived from Chapter 11.0 of the UWRMP in coordination with the CORPS/MRT.

**Long-term Management:**

The NFWFMD is responsible for ensuring the perpetual management of mitigation lands. Florida Statutes sections 373.1391(1)(a) and 373.59(3) mandate the ecological management and restoration, to the extent practicable, of lands owned by the NFWFMD. Mitigation lands owned by the NFWFMD will be managed in perpetuity for ecological integrity in accordance with the "Management Policies for Water Management Areas of the Northwest Florida Water Management District" (NFWFMD 1998). Long-term management is described in Chapter 11 of the UWRMP.

**Status Reports:**

Status reports of mitigation activities will be generated as mandated by the CORPS/MRT and posted at <http://www.nfwmdwetlands.com>.

**US 331 Impacts (from US 98 to the Choctawhatchee Bay Bridge):**

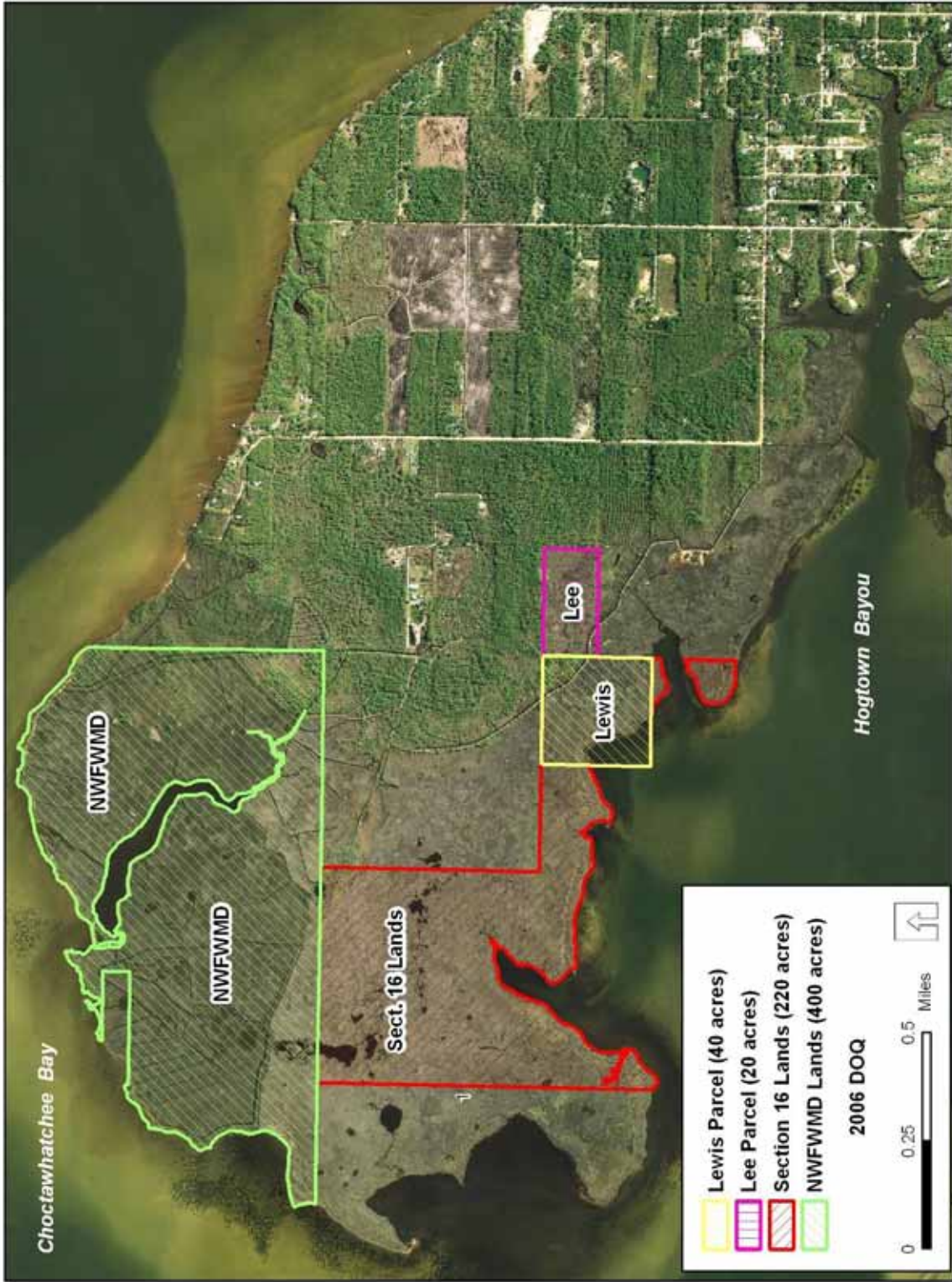
Per CORPS permitting, the US 331 project will impact 5.29 acres of forested and freshwater marsh wetlands and result in a loss of 3.80 UMAM units.

### Location of Live Oak Peninsula in Relation to US 331 Impact

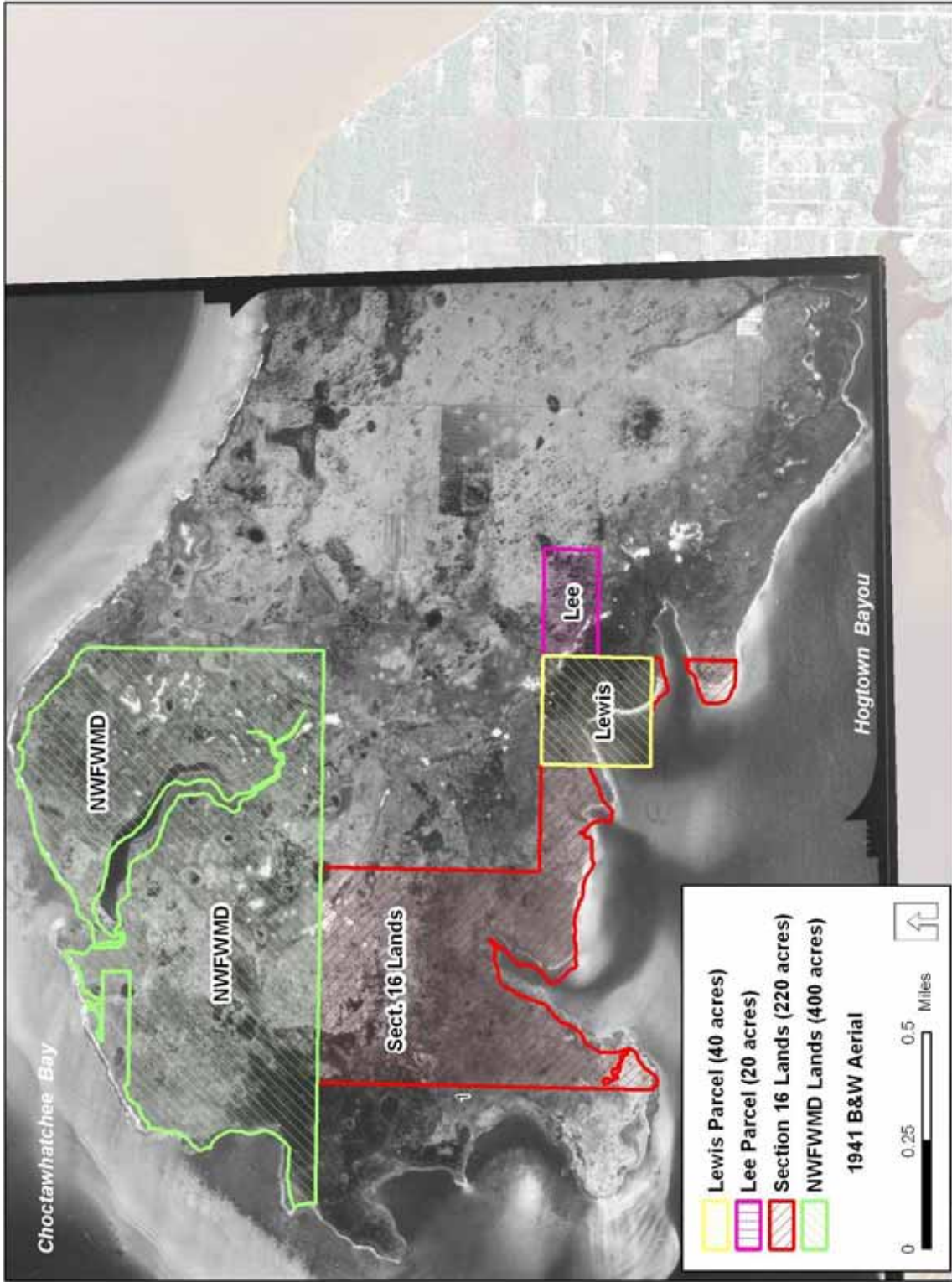




# Live Oak Peninsula Mitigation Area - Existing NFWWMD Lands and Targeted Acquisitions

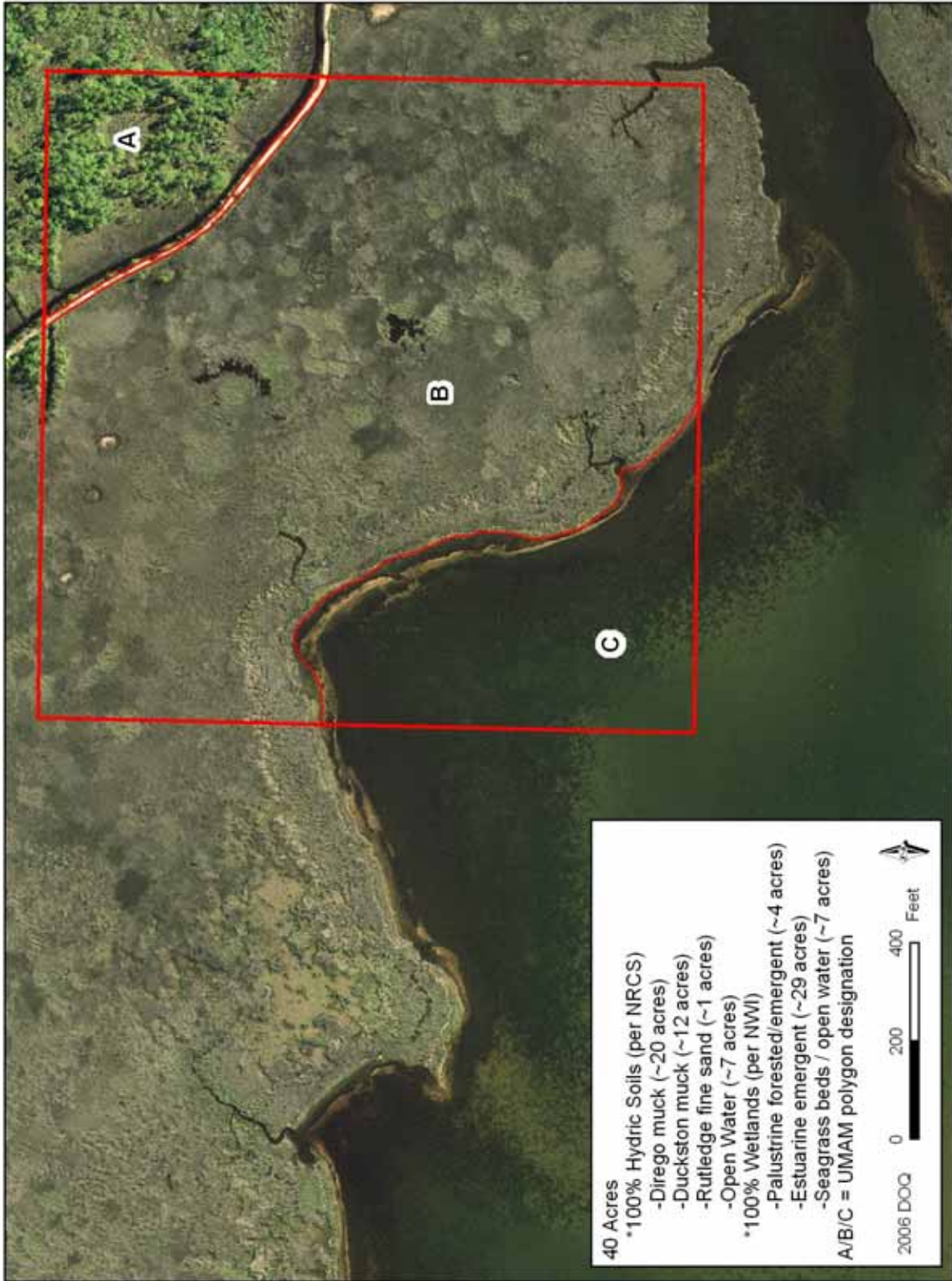


# Live Oak Peninsula Mitigation Area - Existing NFWWMD Lands and Targeted Acquisitions





Lewis Parcel - Live Oak Peninsula Mitigation Area

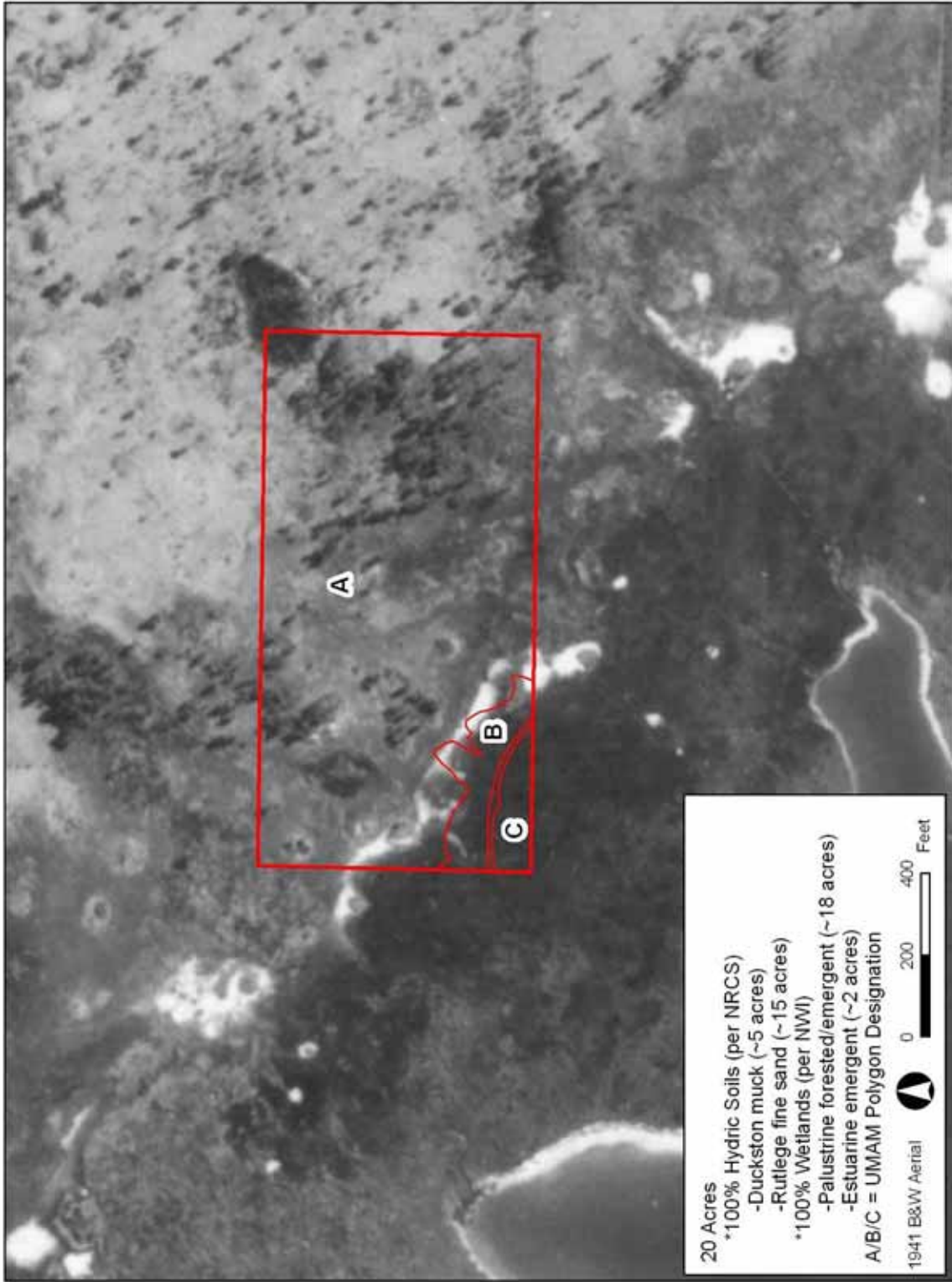




# Lee Parcel - Live Oak Peninsula Mitigation Area

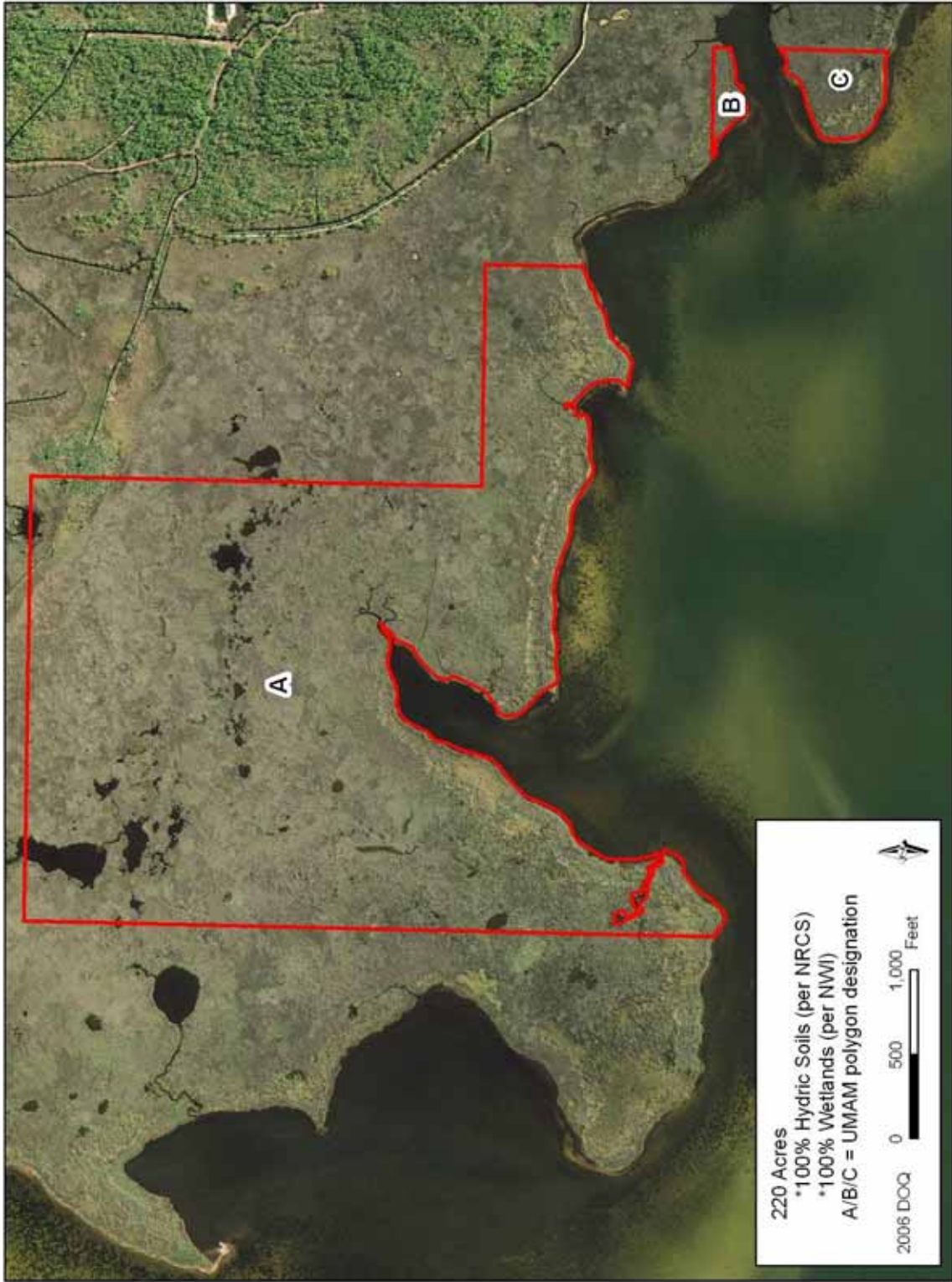


Lee Parcel - Live Oak Peninsula Mitigation Area

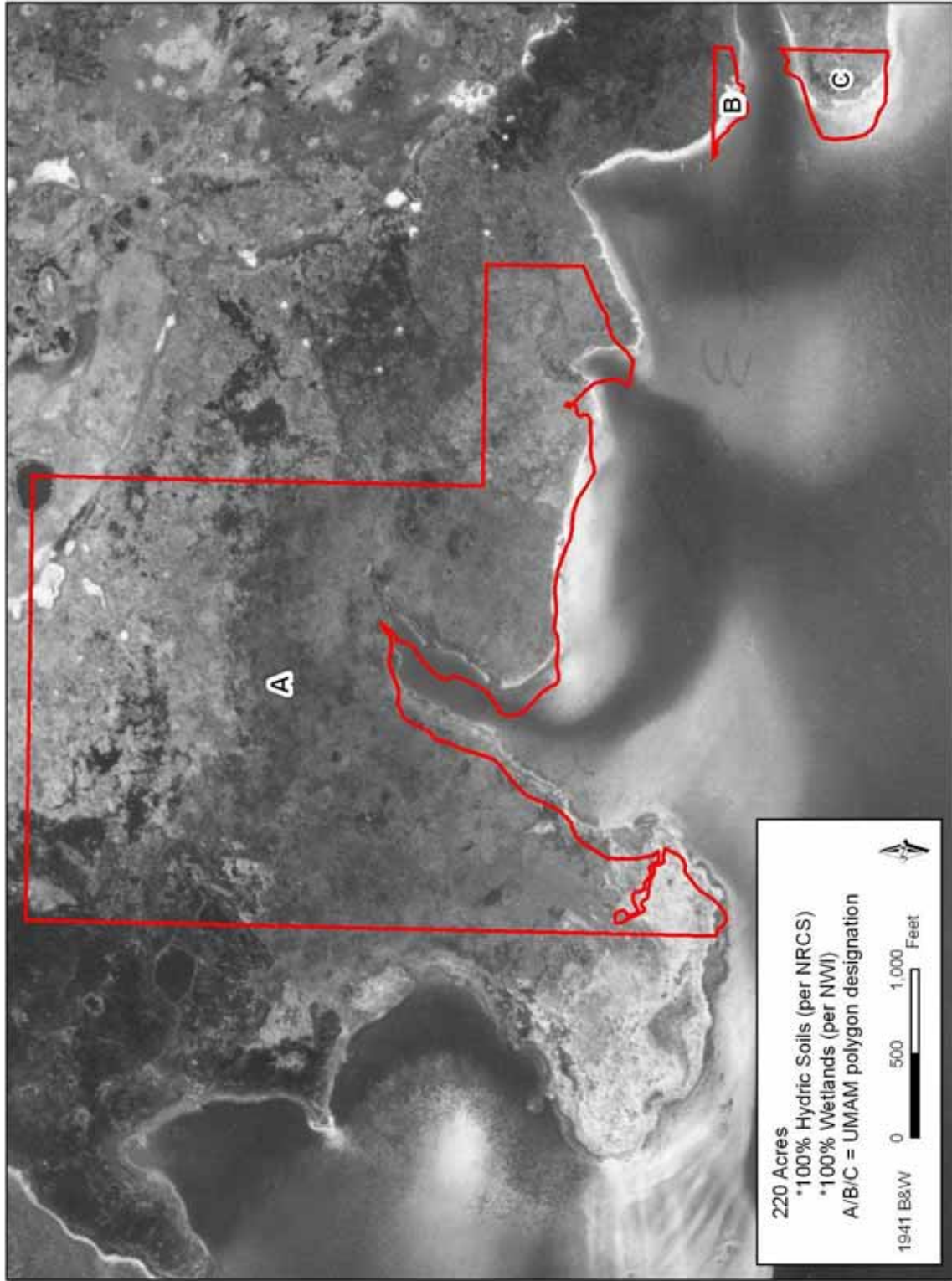




Section 16 School Lands - Live Oak Peninsula Mitigation Area



Section 16 School Lands - Live Oak Peninsula Mitigation Area



**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Lewis Parcel</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lewis A</b>
FLUCCs code <b>625/626</b>	Further classification (optional) <b>Hydric Pine Flatwoods / Savanna</b>		Impact or Mitigation Site? <b>Mitigation</b>
Assessment Area Size <b>3.9 Acres</b>			
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>		Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>	
Functions <b>Water quality; water storage; floral and faunal habitat.</b>		Mitigation for previous permit/other historic use <b>None known.</b>	
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>Deer, possum, raccoon, bob cat, box turtle, black racer, oak toad, American toad, garter snake, diamond back rattler, cotton mouse, marsh rabbit, marsh snake.</b>		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Scott's Seaside Sparrow</b>	
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/8/2008</b>	

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Lewis Parcel</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lewis A</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NFWFMD Staff</b>	Assessment date: <b>2/8/2008</b>

**Scoring Guidance**  
 The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

<b>Optimal (10)</b>	<b>Moderate(7)</b>	<b>Minimal (4)</b>	<b>Not Present (0)</b>
Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - No ecological management of adjacent polygons; road forms barrier to salt marsh. Further decline as surrounding area is developed. <b>With Mitigation</b> - Appropriate management in adjacent polygons; habitats of adjacent polygons will be improved as they are restored.culverts.	<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	7	9
w/out mit	with mit					
7	9					
.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - Continued severance from salt marsh tidal flows and channelization of freshwater flows into the bay. <b>With Mitigation</b> - Placement of multiple culverts under road with spillways will reestablish connections with salt marsh and tidal flows under high tides. Freshwater flows are currently channelized in a series of ditches will be returned to more historic freshwater flows into the bay returning upper areas to freshwater influenced wetlands.	<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	7	9
w/out mit	with mit					
7	9					
.500(6)(c)Community structure  1. Vegetation and/or 2. Benthic Community	<b>Without Mitigation - Substantial</b> exotic species infestation due to continued spread of popcorn tree ( <i>Sapium sebiferum</i> ) and lack of lack of fire has allowed more woody vegetation such as yaupon to colonize area. <b>With Mitigation</b> - Appropriate management iof exotics control and re-introduction of fire.	<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">5</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	5	9
w/out mit	with mit					
5	9					

Score = sum of above scores/30 (if uplands, divide by 20)

w/out mit	with mit
0.63	0.90

If preservation as mitigation

Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

For impact assessment areas
N/A

Delta = [with - w/out]
0.27

If mitigation / restoration

<b>Time Lag Factor (2 years) = 1.03</b>
<b>Risk factor = 1.25</b>

olygon Acreage = 3.9

For mitigation assessment areas
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] = <b>0.81</b>

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Lewis Parcel</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lewis B</b>
FLUCCs code <b>642</b>	Further classification (optional) <b>Salt Marsh</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>29.0 Acres</b>
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>		Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>	
Functions <b>Water quality; water storage; floral and faunal habitat.</b>		Mitigation for previous permit/other historic use <b>None known.</b>	
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>American alligator, diamondback tarrapin, Gulf salt marsh water snake. Over 60 species of birds use habitats in needlerush marshes, great blue heron clapper rail, least bittern, short-billed marsh wren, sedge wren, American widgeon, great white heron, white ibis, marsh rabbit, cotton rat, raccoons, mink, otter</b>		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Scott's Seaside Sparrow</b>	
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.): <b>None yet</b>			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/8/2008</b>	



**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Lewis Parcel</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lewis B</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NFWFMD Staff</b>	Assessment date: <b>2/6/2008</b>

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	<b>Optimal (10)</b>	<b>Moderate(7)</b>	<b>Minimal (4)</b>	<b>Not Present (0)</b>
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - No ecological management of adjacent polygons; road forms barrier to salt marsh. Further decline as surrounding area is developed. <b>With Mitigation</b> - Appropriate management in adjacent polygons; habitats of adjacent polygons will be improved as they are restored.culverts. <b>Without Mitigation</b> -		
	w/out mit 8	with mit 9	
.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - Continued severance from Polygon A. Historically freshwater flows and seepage from surrounding uplands gradually drained to the bay and much of the area was a freshwater marsh as observed from remant water lilly and mallow pieces observed in the surface peat. Mosquite ditches greatly altered flows, partially draining the site and channelizing water flows to the bay. <b>With Mitigation</b> - Culverts under road and added spilways will return freshwater inputs to more historic patterns while re-connecting to Polygon A.		
	w/out mit 7	with mit 9	
.500(6)(c)Community structure  1. Vegetation and/or 2. Benthic Community	<b>Without Mitigation</b> - Based draining from ditching of freshwater flows as observed from historic photographs and observations of remnant marsh species in the peat, the historic pine flatwoods and freshwater marsh system was gradually replaced over time with an expanded black needle rush marsh <b>With Mitigation</b> - Restoring more historic freshwater flows patterns to the site will allow fresh water to flush the needle rush marsh allowing the site to re-hydrate, flush the salt out of the sediments and allow an expansion of the wet pine flatwood and freshwater marsh to return to previous coverages.		
	w/out mit 7	with mit 9	

Score = sum of above scores/30 (if uplands, divide by 20)	
w/out mit 0.73	with mit 0.90

If preservation as mitigation
Preservation adjustment factor = n/a
Adjusted mitigation delta = n/a

For impact assessment areas
<b>N/A</b>

Delta = [with - w/out]
<b>0.17</b>

If mitigation / restoration
<b>Time Lag Factor (6-10 years) = 1.25</b>
<b>Risk factor = 1</b>

Polygon Acreage = 29.0	
For mitigation assessment areas	
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] =	<b>3.87</b>

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Lewis Parcel</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lewis C</b>
FLUCCs code <b>645</b>	Further classification (optional) <b>Submerged Aquatic Vegetation (sea grass beds)</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>7 Acres</b>
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>		Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>	
Functions <b>Water quality; water storage; floral and faunal habitat.</b>		Mitigation for previous permit/other historic use <b>None known.</b>	
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>Brown Pelican, skimmer, common tern, laughing gull, double crested comerant, diamond backed terripin, various migratory, ducks</b>		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Brown Pelican LS</b>	
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/8/2008</b>	

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Lewis Parcel</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lewis C</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NWFWM Staff</b>	Assessment date: <b>2/6/2008</b>

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed
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<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	<b>Moderate(7)</b> Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	<b>Minimal (4)</b> Minimal level of support of wetland/surface water functions	<b>Not Present (0)</b> Condition is insufficient to provide wetland/surface water functions
--	--	---	--

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - Portions of the surrounding landscape will be developed . <b>With Mitigation</b> - area preserved and restoration activities and perpetual management improve the surrounding habitat and landscape						
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">8</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	8	9			
w/out mit	with mit						
8	9						
.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - . Development of part of Liveoak point likely as adjacent properties have been developed. Associated docks and more intensive surrounding landuse which would like to increase nutrients and human impacts through increased boating in area. <b>With Mitigation</b> - Slight improvement to water enviroment through returning to more historic flow patterns and slight reduction in sedimentation from scouring of dtiches and ditch flow entereng bay during rain events.						
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">8</td> </tr> </table>	w/out mit	with mit	7	8			
w/out mit	with mit						
7	8						
.500(6)(c)Community structure	<b>Without Mitigation</b> - It is probable that the community structure will remain about the same over time. <b>With Mitigation</b> - Restoration activities will not significantly improved the vegetativie community.						
<table border="1"> <tr> <td>1. Vegetation and/or</td> <td>2. Benthic Community</td> </tr> </table> <table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">8</td> <td align="center">8</td> </tr> </table>	1. Vegetation and/or	2. Benthic Community	w/out mit	with mit	8	8	
1. Vegetation and/or	2. Benthic Community						
w/out mit	with mit						
8	8						

Score = sum of above scores/30 (if uplands, divide by 20)				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">0.77</td> <td align="center">0.83</td> </tr> </table>	w/out mit	with mit	0.77	0.83
w/out mit	with mit			
0.77	0.83			

If preservation as mitigation
Preservation adjustment factor = n/a
Adjusted mitigation delta = n/a

For impact assessment areas
<b>N/A</b>

Delta = [with - w/out]
<b>0.07</b>

If mitigation / restoration
<b>Time Lag Factor (2 years) = 1.03</b>
<b>Risk factor = 1</b>

olygon Acreage = 7.0
For mitigation assessment areas
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] = <b>0.45</b>

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Lee Parcel</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lee A</b>
FLUCCs code <b>625-626</b>	Further classification (optional) <b>Hydric Pine Flatwoods / Savanna</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>18.26 Acres</b>
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>	Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>		
Functions <b>Water quality; water storage; floral and faunal habitat.</b>	Mitigation for previous permit/other historic use <b>None known.</b>		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>Deer, possum, raccoon, bob cat, box turtle, spotted skunk, black racer, oak toad, American toad, garter snake, diamond back rattler, cotton mouse, rabbit, squirrel.</b>	Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Indigo snake</b>		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/8/2008</b>	

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Lee Parcel</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lee A</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NFWFMD Staff</b>	Assessment date: <b>2/6/2008</b>

<b>Scoring Guidance</b> The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed
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<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	<b>Moderate(7)</b> Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	<b>Minimal (4)</b> Minimal level of support of wetland/surface water functions	<b>Not Present (0)</b> Condition is insufficient to provide wetland/surface water functions
--	--	---	--

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - Portions of the surrounding landscape will be probably be developed overtime . <b>With Mitigation</b> - area preserved and restoration activities and perpetual management improve the surrounding habitat and landscape				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">8</td> </tr> </table>	w/out mit	with mit	7	8	
w/out mit	with mit				
7	8				

.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - Property ditched for mosquito control, draining the property from east to west and north to south. . <b>With Mitigation</b> - Filling in of ditches will restore historic flow patterns and re-hydrate the site.				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	7	9	
w/out mit	with mit				
7	9				

.500(6)(c)Community structure	<b>Without Mitigation</b> - portions of this property would probably be developed. Some properties to the east dominated by wetlands with small upland inclusions have been permitted and it is likely that this development will expand in the future. In addition, the nuisance exotic species popcorn tree occurs within the site and without treatment will expand it's population and further degrade habitat quality. <b>With Mitigation</b> - Site is preserved and appropriate management is implemented. Filling of the ditches should help restore local hydrology and expand appropriate vegetation, along with fire management will greatly improve existing habitat. In addition n uisance species control will improve habitat quality.				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">4</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	4	9	
w/out mit	with mit				
4	9				

Score = sum of above scores/30 (if uplands, divide by 20)	
w/out mit	with mit
0.60	0.87

If preservation as mitigation
Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

For impact assessment areas
N/A

Delta = [with - w/out]
0.27

If mitigation / restoration
<b>Time Lag Factor (2 years) = 1.03</b>
<b>Risk factor = 1.25</b>

Polygon Acreage = 18.26	
For mitigation assessment areas	
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] =	3.78

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Lee Parcel</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lee B</b>
FLUCCs code <b>641</b>	Further classification (optional) <b>Freshwater Marsh</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>1.09 Acres</b>
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>		Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>	
Functions <b>Water quality; water storage; floral and faunal habitat.</b>		Mitigation for previous permit/other historic use <b>None known.</b>	
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>raccoon, possum, marsh rabbit, Great blue heron, great egret, little blue heron, tricolor heron, least bittern</b>		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Wood stork E, White Ibis (LS), Little Blue Heron (LS)</b>	
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/6/2008</b>	

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Lee Parcel</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lee B</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NFWFMD Staff</b>	Assessment date: <b>2/6/2008</b>

**Scoring Guidance**  
 The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	<b>Moderate(7)</b> Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	<b>Minimal (4)</b> Minimal level of support of wetland/surface water functions	<b>Not Present (0)</b> Condition is insufficient to provide wetland/surface water functions
--	--	---	--

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - Portions of the surrounding landscape will be developed . <b>With Mitigation</b> - area preserved and restoration activities and perpetual management improve the surrounding habitat and landscape				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">8</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	8	9	
w/out mit	with mit				
8	9				

.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - . Wetland drained by ditch. <b>With Mitigation</b> - .Ditch plugs were appropriate and breaching of the ditch along with the addition of a spillway will restore the natural freshwater flows to the bay. Hydrology will be restored to more historic conditions.				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	7	9	
w/out mit	with mit				
7	9				

.500(6)(c)Community structure	<b>Without Mitigation</b> - site will continue to be drained and wetland vegetation adapted to shorted hydroperiods than historically present will exist. <b>With Mitigation</b> - Historically the system was probably similar to other freshwater systems drained by the ditching on liveoak peninsula. These marshes were dominated by freshwater grasses and sedges, marsh mallows, saw grass and fragrant water lilies in the wet ponded areas. With mitigation and restoration of the hydrology it is likely that this vegetation would thrive once again.				
<table border="1"> <tr> <td>1. Vegetation and/or</td> <td>2. Benthic Community</td> </tr> </table>	1. Vegetation and/or	2. Benthic Community			
1. Vegetation and/or	2. Benthic Community				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	7	9	
w/out mit	with mit				
7	9				

Score = sum of above scores/30 (if uplands, divide by 20)

w/out mit	with mit
0.73	0.90

If preservation as mitigation
Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

For impact assessment areas
N/A

Delta = [with - w/out]
0.17

If mitigation / restoration
<b>Time Lag Factor (6-10 years) = 1.25</b>
<b>Risk factor = 1</b>

Polygon Acreage = 1.09	
For mitigation assessment areas	
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] =	0.15

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Lee Parcel</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lee C</b>
FLUCCs code <b>642</b>	Further classification (optional) <b>Salt Marsh</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>0.60 Acres</b>
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>		Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>	
Functions <b>Water quality; water storage; floral and faunal habitat.</b>		Mitigation for previous permit/other historic use <b>None known.</b>	
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>American alligator, diamondback tarrapin, Gulf salt marsh water snake. Over 60 species of birds use habitats in needlerush marshes, great blue heron clapper rail, least bittern, short-billed marsh wren, sedge wren, American widgeon, great white heron, white ibis, marsh rabbit, cotton rat, raccoons, mink, otter</b>		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Scott's Seaside Sparrow</b>	
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/8/2008</b>	



**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Lee Parcel</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>Lee C</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NFWFMD Staff</b>	Assessment date: <b>2/6/2008</b>

**Scoring Guidance**  
The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed

<b>Optimal (10)</b>	<b>Moderate(7)</b>	<b>Minimal (4)</b>	<b>Not Present (0)</b>
Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - No ecological management of adjacent polygons; road forms barrier to salt marsh. Further decline as surrounding area is developed. <b>With Mitigation</b> - Appropriate management in adjacent polygons; habitats of adjacent polygons will be improved as they are restored.culverts. <b>Without Mitigation</b> -	
	w/out mit	with mit
	7	9

.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - Continued severance from PolygonB. Historically freshwater flows and seepage from surrounding uplands gradually drained to the bay and much of the area was a freshwater marsh as observed from remant water lilly and mallow pieces observed in the surface peat. Mosquite ditches greatly altered flows, partially draining the site and channelizing water flows to the bay. <b>With Mitigation</b> - Culverts under road and added spilways will return freshwater inputs to more historic patterns while re-connecting to Polygon B.	
	w/out mit	with mit
	7	9

.500(6)(c)Community structure  1. Vegetation and/or 2. Benthic Community	<b>Without Mitigation</b> - Based draining from ditching of freshwater flows as observed from historic photographs and observations of remnant marsh species in the peat, the historic freshwater marsh system was replaced by black needle rush marsh <b>With Mitigation</b> - Restoring more historic freshwater flows patterns to the site will allow fresh water to flush the needle rush marsh allowing the site to re-hydrate, flush the salt out of the sediments and allow an expansion of the wfreshwater marsh to historic coverages.	
	w/out mit	with mit
	7	9

Score = sum of above scores/30 (if uplands, divide by 20)

w/out mit	with mit
0.70	0.90

If preservation as mitigation
Preservation adjustment factor = n/a
Adjusted mitigation delta = n/a

For impact assessment areas
<b>N/A</b>

Delta = [with - w/out]
<b>0.20</b>

If mitigation / restoration
<b>Time Lag Factor (2 years) = 1.03</b>
<b>Risk factor = 1</b>

Polygon Acreage = 0.60	
For mitigation assessment areas	
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] =	<b>0.12</b>

**PART I – Qualitative Description  
(See Section 62-345.400, F.A.C.)**

Site/Project Name <b>Live Oak - Section 16 Lands</b>		Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>S16</b>
FLUCCs code <b>642</b>	Further classification (optional) <b>Salt Marsh</b>	Impact or Mitigation Site? <b>Mitigation</b>	Assessment Area Size <b>220 Acres</b>
Basin/Watershed Name/Number <b>Choctahatchee Bay Watershed</b>	Affected Waterbody (Class) <b>III</b>	Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) <b>None</b>	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands <b>Part of extensive estuarine and palustrine wetland complex in Choctawhatchee Bay.</b>			
Assessment area description <b>Mosaic of salt marsh and hydric pine flatwoods/savanna. Extensive mosquito control ditching in area.</b>			
Significant nearby features <b>Hogtown Bayou. Choctawhatchee Bay. Significant encroachment from development to east.</b>		Uniqueness (considering the relative rarity in relation to the regional landscape.) <b>Typical habitat.</b>	
Functions <b>Water quality; water storage; floral and faunal habitat.</b>		Mitigation for previous permit/other historic use <b>None known.</b>	
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found ) <b>American alligator, diamondback tarrapin, Gulf salt marsh water snake. Over 60 species of birds use habitats in needlerush marshes, great blue heron clapper rail, least bittern, short-billed marsh wren, sedge wren, American widgeon, great white heron, white ibis, marsh rabbit, cotton rat, raccoons, mink, otter</b>		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) <b>Scott's Seaside Sparrow (LS)</b>	
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.):			
Additional relevant factors: <b>Occurs within SWAMP (South Walton Area Mitigation Project)</b>			
Assessment conducted by: <b>NFWFMD Staff</b>		Assessment date(s): <b>2/8/2008</b>	

**PART II – Quantification of Assessment Area (impact or mitigation)**  
**(See Sections 62-345.500 and .600, F.A.C.)**

Site/Project Name <b>Live Oak - Section 16 Lands</b>	Application Number <b>Not Applicable</b>	Assessment Area Name or Number <b>S16</b>
Impact or Mitigation <b>Mitigation</b>	Assessment conducted by: <b>NWFWM Staff</b>	Assessment date: <b>2/6/2008</b>

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed
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<b>Optimal (10)</b> Condition is optimal and fully supports wetland/surface water functions	<b>Moderate(7)</b> Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	<b>Minimal (4)</b> Minimal level of support of wetland/surface water functions	<b>Not Present (0)</b> Condition is insufficient to provide wetland/surface water functions
--	--	---	--

.500(6)(a) Location and Landscape Support	<b>Without Mitigation</b> - No ecological management of adjacent polygons; road forms barrier to salt marsh. Further decline as surrounding area is developed. <b>With Mitigation</b> - Appropriate management in adjacent polygons; habitats of adjacent polygons will be improved as they are restored.culverts. <b>Without Mitigation</b> -				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">8</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	8	9	
w/out mit	with mit				
8	9				

.500(6)(b)Water Environment (n/a for uplands)	<b>Without Mitigation</b> - Continued severance from historic flows. Appears there may have been more freshwater marsh prior to mosquito contol ditches were installed. <b>With Mitigation</b> - No change.				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">8</td> <td align="center">8</td> </tr> </table>	w/out mit	with mit	8	8	
w/out mit	with mit				
8	8				

.500(6)(c)Community structure	<b>Without Mitigation</b> - vegetative community will continue to decline from increased cover of popcorn tree a nuisance exotic species. <b>With Mitigation</b> - treatment of nuisance exotic species will ensure quality salt marsh and freshwater marsh habitat will continue to thrive onsite.				
<table border="1"> <tr> <td>1. Vegetation and/or</td> <td>2. Benthic Community</td> </tr> </table>	1. Vegetation and/or	2. Benthic Community			
1. Vegetation and/or	2. Benthic Community				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">7</td> <td align="center">9</td> </tr> </table>	w/out mit	with mit	7	9	
w/out mit	with mit				
7	9				

Score = sum of above scores/30 (if uplands, divide by 20)				
<table border="1"> <tr> <td>w/out mit</td> <td>with mit</td> </tr> <tr> <td align="center">0.77</td> <td align="center">0.87</td> </tr> </table>	w/out mit	with mit	0.77	0.87
w/out mit	with mit			
0.77	0.87			

If preservation as mitigation
Preservation adjustment factor = n/a
Adjusted mitigation delta = n/a

For impact assessment areas
<b>N/A</b>

Delta = [with - w/out]
<b>0.10</b>

If mitigation / restoration
<b>Time Lag Factor (2 years) = 1.03</b>
<b>Risk factor = 1</b>

olygon Acreage = 220
For mitigation assessment areas
<b>Mitigation Credits</b> [(Delta / (Time Lag * Risk)) * Acres] = <b>21.36</b>

Live Oak Peninsula  
 UMAM Credit Assessment - February, 2008  
 (NFWFMD)

DO NOT ENTER DATA ON THIS PAGE  
 ENTER SCORES ONLY ON INDIVIDUAL POLYGON PAGES

Polygon	Acres	L1	L2	W1	W2	C1	C2	W/Out Score	With Score	Raw Delta	Time Lag	P Factor	Risk	Adjusted Delta	UMAM Credits
Lewis A	3.9	7	9	7	9	5	9	0.63	0.90	0.27	1.03	N/A	1.25	0.21	0.81
Lewis B	29	8	9	7	9	7	9	0.73	0.90	0.17	1.25	N/A	1	0.13	3.87
Lewis C	7	8	9	7	8	8	8	0.77	0.83	0.07	1.03	N/A	1	0.06	0.45
Lee A	18.26	7	8	7	9	4	9	0.60	0.87	0.27	1.03	N/A	1.25	0.21	3.78
Lee B	1.09	8	9	7	9	7	9	0.73	0.90	0.17	1.25	N/A	1	0.13	0.15
Lee C	0.6	7	9	7	9	7	9	0.70	0.90	0.20	1.03	N/A	1	0.19	0.12
Sect. 16	220	8	9	8	8	7	9	0.77	0.87	0.10	1.03	N/A	1	0.10	21.36
	279.85														30.53

- L1 = Location and Landscape Support - Without Mitigation
- L2 = Location and Landscape Support - With Mitigation
- W1 = Water Environment - Without Mitigation
- W2 = Water Environment - With Mitigation
- C1 = Community Structure - Without Mitigation
- C2 = Community Structure - With Mitigation

Raw Delta = w/mit score - without mitigation score

P = Preservation Factor (assumption is that preservation polygons are enhanced by buffer restoration)

Adjusted Delta = Raw Delta / (Time Lag \* Risk)

UMAM Credits = Acres \* Adjusted Delta