



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
PENSACOLA REGULATORY OFFICE
41 NORTH JEFFERSON STREET, SUITE 111
PENSACOLA, FLORIDA 32502

Regulatory Division
North Permits Branch
SAJ-2004-2643-IP-EPS

February 7, 2006

Florida Department of Transportation
c/o Joy Giddens
P.O. Box 607
Chipley, Florida 32428

RECEIVED

FEB 10 2006

Environmental Management

Dear Ms. Giddens:

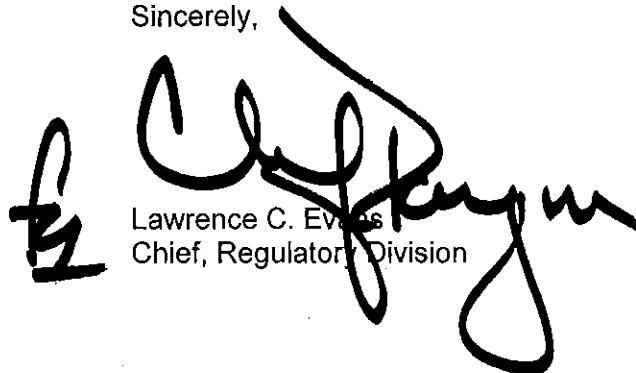
We are pleased to enclose a Department of the Army permit for your project, and a Notice of Authorization which should be displayed at the construction site. Work may begin in accordance with the terms and conditions of the issued permit. The appropriate Regulatory Section Chief as representative of the District Engineer must be notified of:

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

Regulatory personnel are responsible for inspections to determine that permit conditions are strictly adhered to. A copy of the permit and drawings must be available at the site of work.

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

Sincerely,



Lawrence C. Evans
Chief, Regulatory Division

Enclosures: Appeals Form
Notice of Authorization

Copy Furnished (w/copy of permit):
FDEP, SLERP, Pensacola
Greg Allen, Hatch-Mott McDonald
RD-PE, Lisa Abernathy, Enforcement Section
Mary Mittiga, FWS

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: FDOT		File Number: 2004-2643IP-EPS	Date: 02/07/06
Attached is:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A	
X	PROFFERED PERMIT (Standard Permit or Letter of permission)	B	
	PERMIT DENIAL	C	
	APPROVED JURISDICTIONAL DETERMINATION	D	
	PRELIMINARY JURISDICTIONAL DETERMINATION	E	

SECTION I: The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <http://usace.army.mil/inet/functions/cw/ceewo/reg-or> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION

If you have questions regarding this decision and/or the appeal process you may contact:

District Engineer
Jacksonville District
U.S. Army Corps of Engineers
PO Box 4970
Jacksonville, FL 32232- 0019

If you only have questions regarding the appeal process you may also contact:

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.

Date:

Telephone number:

**This notice of authorization must be conspicuously
displayed at the site of work**

United States Army Corps of Engineers

Expiration: 27 January, 2011

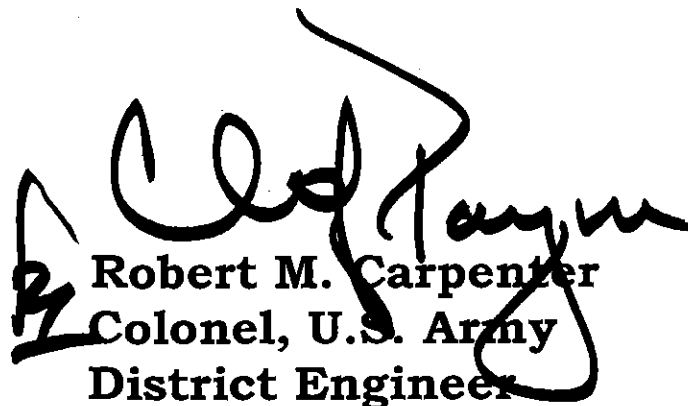
A permit to discharge fill over approximately 10.62 acres of wetlands and excavation/recontouring of 1.45 acres of wetlands for the widening of State Road 87. The road would be expanded from two lanes to four 12-foot wide lanes, and would include 4-foot wide bike lanes, 6-foot wide sidewalks and a 22-foot wide grassed median for a minimum right-of-way width of 100 feet.

in wetlands adjacent to and contiguous with East Bay, on each side of a three mile section of State Road 87, from north of Five Forks Road to the Eglin Air Force Base boundary in Sections 28 and 39, Township 01 South, Range 27 West, Santa Rosa County, Florida

has been issued to Florida Department of Transportation on February 7, 2006.

Address of Permittee: Florida Department of Transportation
c/o Joy Giddens
P.O. Box 607
Chipley, Florida 32428

SAJ-2004-2643-IP-EPS


Robert M. Carpenter
Colonel, U.S. Army
District Engineer

DEPARTMENT OF THE ARMY PERMIT

Permittee: Florida Department of Transportation
c/o Joy Giddens
P.O. Box 607
Chipley, Florida 32428

Permit No: SAJ-2004-2643-IP-EPS

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: Authorization for the discharge of fill over approximately 10.62 acres of wetlands and excavation/recontouring of 1.45 acres of wetlands for the widening of State Road 87. The road would be expanded from two lanes to four 12-foot wide lanes, and would include 4-foot wide bike lanes, 6-foot wide sidewalks and a 22-foot wide grassed median for a minimum right-of-way width of 100 feet. This project is alternately known as Segment 3 or Phase II in the four-laning of State Road 87.

Project Location: The proposed project site is located in wetlands adjacent to and contiguous with East Bay, on each side of a three mile section of State Road 87, from north of Five Forks Road to the Eglin Air Force Base boundary in Sections 28 and 39, Township 01 South, Range 27 West, Santa Rosa County, Florida.

Latitude & Longitude: Latitude: 30° 55' 32" North
Longitude: 87° 01' 19" West

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on **27 January 2011**. 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.

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

Special Conditions:

1. The permittee conveys the following rights to the Corps to enter upon and inspect the project site and mitigation property in a reasonable manner and at reasonable times to determine if the permittee is complying with the requirements and success criteria of this permit.
2. The 12.07 acres of wetland impact for this project (FDOT Financial Project No. 220442-3) allow for a maximum rate of approximately \$993,000 in mitigation funding from FDOT. The Northwest Florida Water Management District (NFWFMD) or other entity designated by the applicant will implement the approved mitigation plan incorporated into this permit as well as acquire a minimum of 227 acres of the Yellow River Ranch property shown on Pages 42, 43, and 44 of 47 of the permit drawings and attachments to this permit. The 43 acres designated for restoration are included within these 227 acres of acquisition. The applicant will provide written verification of the land acquisition to the Corps (addresses below) which must include the acreage acquired. Within 12 months of permit issuance, this verification must be sent to the Jacksonville District Office, Regulatory Division, Enforcement Section, Post Office Box 4970, Jacksonville, Florida 32232-0019 and to the Pensacola Field Office, 41 N. Jefferson Street, Suite 111, Pensacola, FL 32502.

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3. The approximately 227 acres of offsite wetlands, including the 43 acres of restored wetlands as noted on Page 43 of 47 of the permit drawings and attachments will remain in their enhanced state in perpetuity. These natural preserve areas will not be disturbed by any dredging, filling, land clearing, agricultural activities, planting, or other construction work whatsoever, excepting those restoration and management actions required to accomplish the activities associated with this permit and its special conditions, or those restoration and management actions that may be approved by the Corps as part of future mitigation projects on this parcel. The permittee agrees that the only future utilization of the preserved areas in question will be as a purely natural area.
4. Within 12 months from the date of permit issuance, the permittee shall implement restoration of the 43 acres of offsite property to a combination of bottomland hardwood wetlands and hydric pine flatwood wetlands according to Pages 43, 44, 45, 46 and 47 of 47 of the permit drawings and attachments to this permit. Within this 12 months, at a minimum, the following must occur:
 - i. Cattle operations must completely cease
 - ii. Complete breaching of dikes to restore hydrology
 - iii. Complete filling and/or blocking of ditches to restore hydrology
 - iv. Initial eradication of pasture grasses
 - v. Initial revegetation of woody species in the restored areas
5. Within 24 months from the date of permit issuance, the permittee shall complete supplemental eradication of pasture grasses and complete revegetation of woody species on the site according to the Pages 43, 44, 45, 46 and 47 of 47 of the permit drawings and attachments to this permit it.
6. Within 36 months from the date of permit issuance, the permittee shall complete revegetation of herbaceous species on the site according to the Pages 43, 44, 45, 46 and 47 of 47 of the permit drawings and attachments to this permit. Additional seeding of the site shall continue as needed to meet success criteria specified in this permit.
7. The applicant will perpetually manage and maintain the site for ecological integrity, implement appropriate fire regimes, and prevent vehicular access and cattle grazing. The applicant will perpetually monitor for and control exotic and nuisance species in accordance with the success criteria outlined in this permit.
8. The permittee will ensure that if the State of Florida, acting through the Northwest Florida Water Management District, no longer desires to manage the offsite mitigation areas as per the conditions of this permit, or acts to relinquish title to the mitigation property, title to mitigation property can only be transferred to an entity that is qualified and legally required to manage the land in perpetuity as per the conditions of this permit. The Corps of Engineers

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will be notified in writing at both of the addresses listed in Special Condition No. 2 within 60 days of any change in ownership. This provision will be included on the deed to the mitigation property.

9. Prior to the beginning of any mechanical land clearing at the project site, the limits of the permitted wetland impact areas should be clearly marked and enclosed with entrenched silt fences and staked haybales to prevent encroachment by heavy equipment or sedimentation into wetlands outside of the 12.07-acre wetland fill footprint as shown on the permit drawings and attachments. No heavy equipment or mechanical clearing is permitted in any wetland area outside of the permitted impact area footprints.
10. To reduce the total width of the project, and minimize impacts, slopes of less than a 1.5:1 ratio are proposed in some areas. Geosynthetic reinforcement in the form of mats must be placed on these slopes with staked sod in order to permanently stabilize them.
11. No fill or building materials, tools or other equipment shall be stockpiled in wetlands outside of the permitted 12.07-acre fill impact areas shown on the permit drawings. Staging areas must be located only in uplands or within the permitted wetland impact areas.
12. To ensure success, a monitoring plan as described on Page 45 of 47 of the permit drawings and attachments shall be implemented beginning 6 months after the beginning of the mitigation activities. Annual reports shall be submitted to Jacksonville District Office, Regulatory Division, Enforcement Section, Post Office Box 4970, Jacksonville, Florida 32232-0019 and to the Pensacola Field Office, 41 N. Jefferson Street, Suite 111, Pensacola, FL 32502 for a minimum of five consecutive years. Bi-annual reports must then be submitted for a minimum of 6 additional consecutive years. The reports must include the percent coverage of bare ground, facultative, facultative wet and obligate wetland plant species and of exotic, nuisance and invasive plant species. A minimum of three static point monitoring stations shall be established in each of the two habitat types and data collection and photography must occur from these same stations for each report. Pedestrian survey meander paths shall also be used. A comprehensive narrative of any exotic, nuisance and invasive species eradication undertaken since the last report must also be included. Percent coverage of exotic and invasive species must be less than 1%. Percent coverage of nuisance species must be less than 5%. Percent coverage of bare ground must be less than 5%. The percent coverage of facultative wet and obligate wetland species must be 85% or greater averaged across the site. If these success criteria are not met after three years, a remediation plan must be submitted to the above addresses within 60 days of the third monitoring report. This plan shall outline the causes of the failure to meet success criteria, and details of how the success criteria will be met. This may include, but is not limited to, regrading or replanting of the area, and additional monitoring. The Corps must approve this remediation plan before work begins.

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13. All culverted crossings must be maintained throughout construction to allow for pre-construction or higher flows to occur.
14. All contractors involved in this permitted activity shall be provided copies of this permit in its entirety. A complete copy shall remain on site at all times during the permitted activities.
15. The permittee shall notify the U.S. Army Corps of Engineers, Pensacola Regulatory Office, 41 North Jefferson Street, Suite 111, Pensacola, Florida 32502 in writing immediately upon commencement and completion of any work authorized or required by this permit. Such notification must be provided immediately upon initiation or completion of the authorized work.
16. The permittee shall provide as-built drawings of the authorized work, including mitigation, and a completed As-Built Certification Form to the Regulatory Division, c/o Lisa Abernathy, Enforcement Section, Post Office Box 4970, Jacksonville, Florida 32232-0019. The drawings and certification Form are to be submitted within 30 days of the completion of the authorized work, including mitigation, or by the expiration date listed on page 2 of the permit, whichever comes first. The drawings and Certification Form must be signed and sealed by a professional engineer registered in the State of Florida. In the event that the completed work deviates from the approved permit drawings and special conditions, the permittee shall describe, on the Certification Form, the deviations between the work authorized by the permit and the work as constructed. A blank form is attached. Please note that depiction and description of the deviations on the drawings and Certification Form does not necessarily mean that the U.S. Army Corps of Engineers will approve the deviation.

The as-built drawings shall include the following:

- a. Location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed.
- b. Clear indication of any deviations which have been described on the As-Built Certification Form.
- c. The Department of the Army permit number.
- d. Please include pre- and post-construction aerial photographs of the project site, if available.

Further Information:

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

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

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

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

2. Limits of this authorization.

- a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
- b. This permit does not grant any property rights or exclusive privileges.
- c. This permit does not authorize any injury to the property or rights of others.
- d. This permit does not authorize interference with any existing or proposed Federal projects.

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

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

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

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

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

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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.

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

A total of 47 **DRAWINGS and ATTACHMENTS** + 9 pages are affixed behind this signature page.

Joy S. Siddens
(PERMITTEE)

(DATE)

1/29/06

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

Robert M. Carpenter
(DISTRICT ENGINEER)

Robert M. Carpenter
Colonel, U.S. Army

(DATE)

6 February 2006

Permittee: Florida Department of Transportation
Permit No: SAJ-2004-2643-IP-EPS
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***Attachments to Department of the Army
Permit Number SAJ-2004-2643-IP-EPS***

1. PERMIT DRAWINGS and ATTACHMENTS: Forty seven (47) pages, dated January 20, 2006
2. WATER QUALITY CERTIFICATION SPECIAL CONDITIONS: Six (6) pages
3. AS-BUILT CERTIFICATION FORM

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

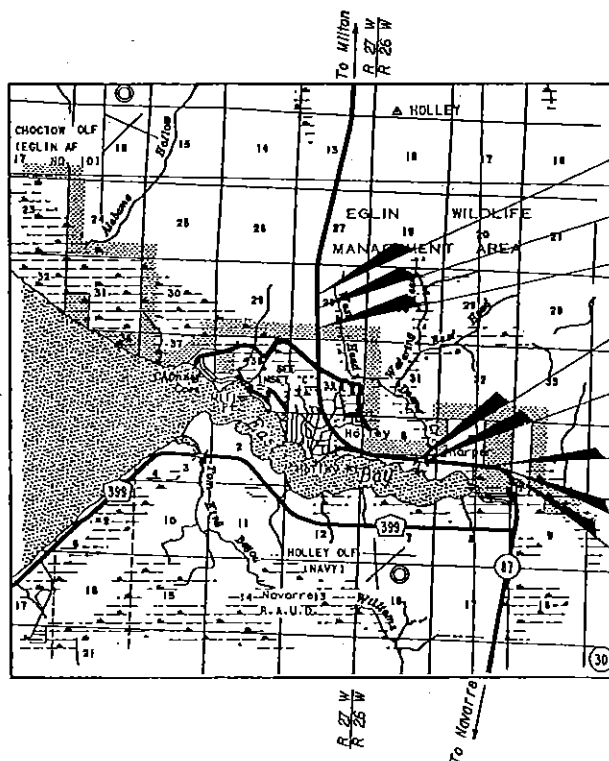
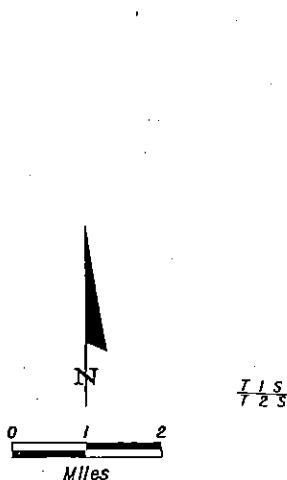
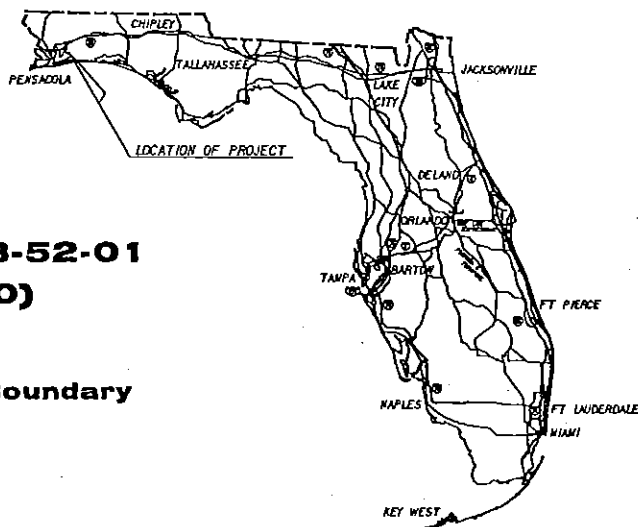
CONTRACT PLANS

FINANCIAL PROJECT ID 220442-3-52-01

SANTA ROSA COUNTY (58040)

STATE ROAD NO. 87

From North of Five Forks Rd. To Eglin AFB Boundary



End Milling & Resurfacing
Sta. 393+02.22, E Survey SR 87=
Sta. 3392+60.00, E Const. SR 87
End New Construction
Begin Milling & Resurfacing
Sta. 389+42.22, E Survey SR 87=
Sta. 3389+00.00, E Const. SR 87
End Project
Sta. 380+34.64, E Survey SR 87=
Sta. 3379+91.75, E Const. SR 87
End Bridge No. 580018
Sta. 247+49.93, E Survey SR 87=
Sta. 3247+50.00, E Const. SR 87
Begin Bridge No. 580018
Sta. 246+35.93, E Survey SR 87=
Sta. 3246+36.00, E Const. SR 87
Begin Project
Sta. 220+17.74, E Survey SR 87=
Sta. 3220+17.74, E Const. SR 87
MP 3.639
Begin New Construction
End Milling & Resurfacing
Sta. 220+17.74, E Survey SR 87=
Sta. 3220+17.74, E Const. SR 87
Begin Milling & Resurfacing
Sta. 3215+00.00, E Const. SR 87

Handwritten signature: R. Wade Herod
1/29/04

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	15860.01	3.003
BRIDGES	114.00	0.022
NET LENGTH OF PROJECT	15974.01	3.025
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	15974.01	3.025

FDOT PROJECT MANAGER: R. Wade Herod, P.E. PBS&J

PLANS PREPARED BY:



Hatch Mott
MacDonald

Post Office Box 2518 Pensacola, Florida 32513
(850) 484-6000 - License No. 155

Applicant: Florida Department of Transportation (FDOT)
Water Body: N/A
County: Santa Rosa
Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
Original Work ☒ Maintenance ☐
Sheet No.: 1 of 34
Date: January 2004

Applicant: FDOT
File: 2004-2643-IP-EPS
Date: January 27, 2006
Page 1 of 47



Handwritten signature and date: 12/9/04

END PROJECT
STA. 3379+91.75

VONNIE TOLBERT RD.

BURTON CIR.

BURTON CIR.
BUCKEYE DR.

WETLAND#10

GORDON EVANS RD.
BOB TOLBERT RD.

WETLAND#9

JESSE RD.
BROXSON RD.

WETLAND#8

POND 3
STA. 3328+80

ALLIE GRIMMIES RD.

WETLAND#7

NELSON RD.

GRADY TOLBERT RD.

WETLAND#5

WETLAND#6

HOLLEY POINT RD.
DWELLS BEACH RD.
BOB TOLBERT RD.

WETLAND#4

POND 2
STA. 3278+00

WETLAND#2

WETLAND#3

POND 1
STA. 3233+00

WETLAND#1

DEAN CREEK BRIDGE

SAFRONIA RD.

STILLWATER COVE

BEGIN PROJECT
STA. 3220+17.74

Applicant: Florida Department of Transportation (FDOT)
Water Body: N/A
County: Santa Rosa
Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
Original Work ☒ Maintenance ☐
Sheet No.: 2 of 34
Date: January 2004

Applicant: **FDOT**
File: **2004-2643-IP -EPS**
Date: **January 27, 2006**
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Wetland Boundary
 Wetland - Cut
 * Wetland - Assumed Cut
 Wetland - Fill
 R/W Line
 Wetland - Do Not Disturb Within R/W

* CUT=143.46 SQ.FT.

Stillwater Cove

POT STA. 28+98.73

*CUT SEE SHEET 4

FILL SEE SHEET 4

CUT SEE SHEET 4

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 3 of 34

Date: January 2004

Applicant: FDOT

File: 2004-2643-IP-EPS

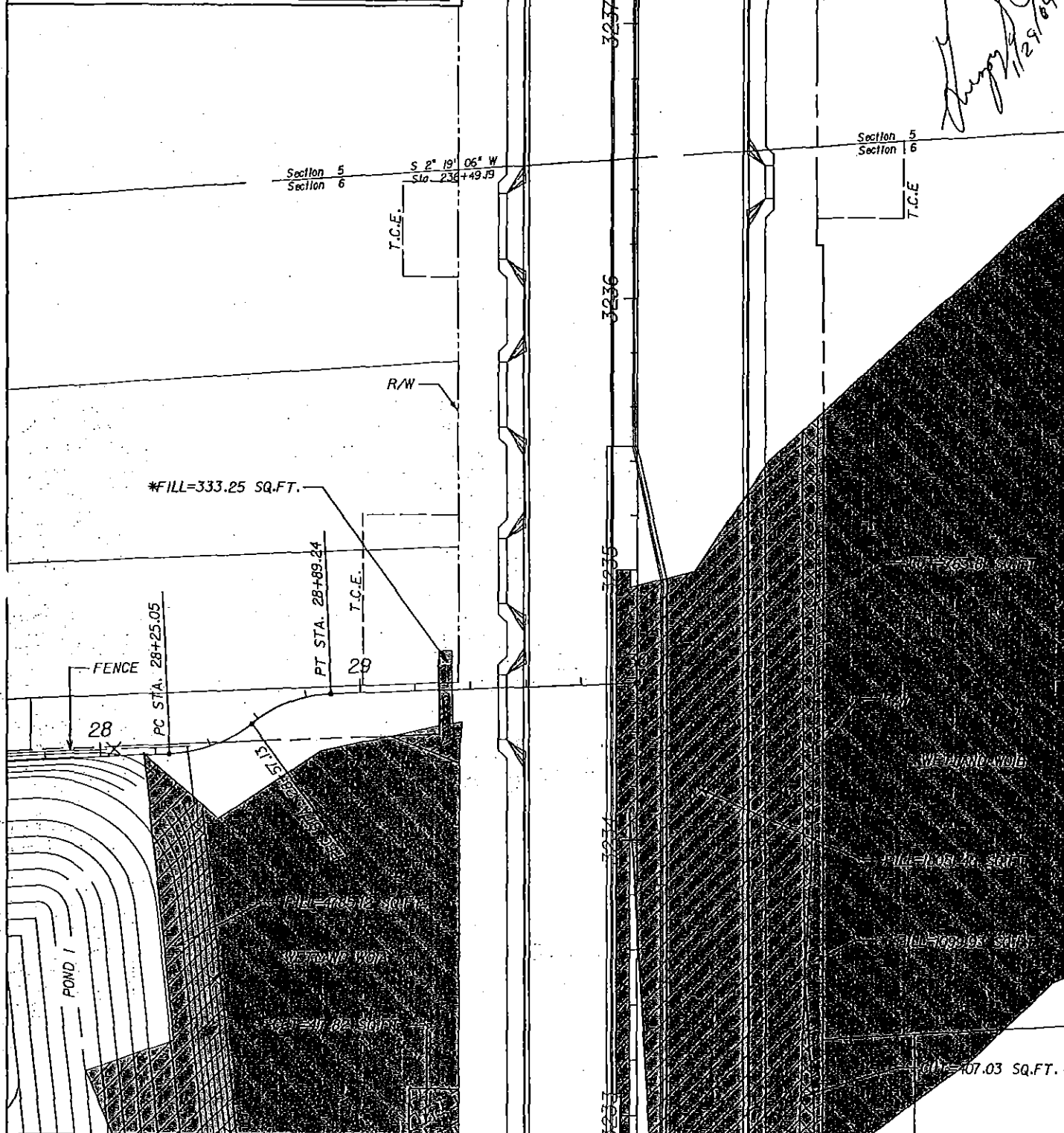
Date: January 27, 2006

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Wetland Boundary
 Wetland - Cut
 * Wetland - Assumed Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line
 Wetland - Do Not Disturb Within R/W

1"=50'

Handwritten signature and date: 12/29/04



Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 4 of 34
 Date: January 2

Applicant: FDOT
 File: 2004-2643-IP -EPS
 Date: January 27, 2006
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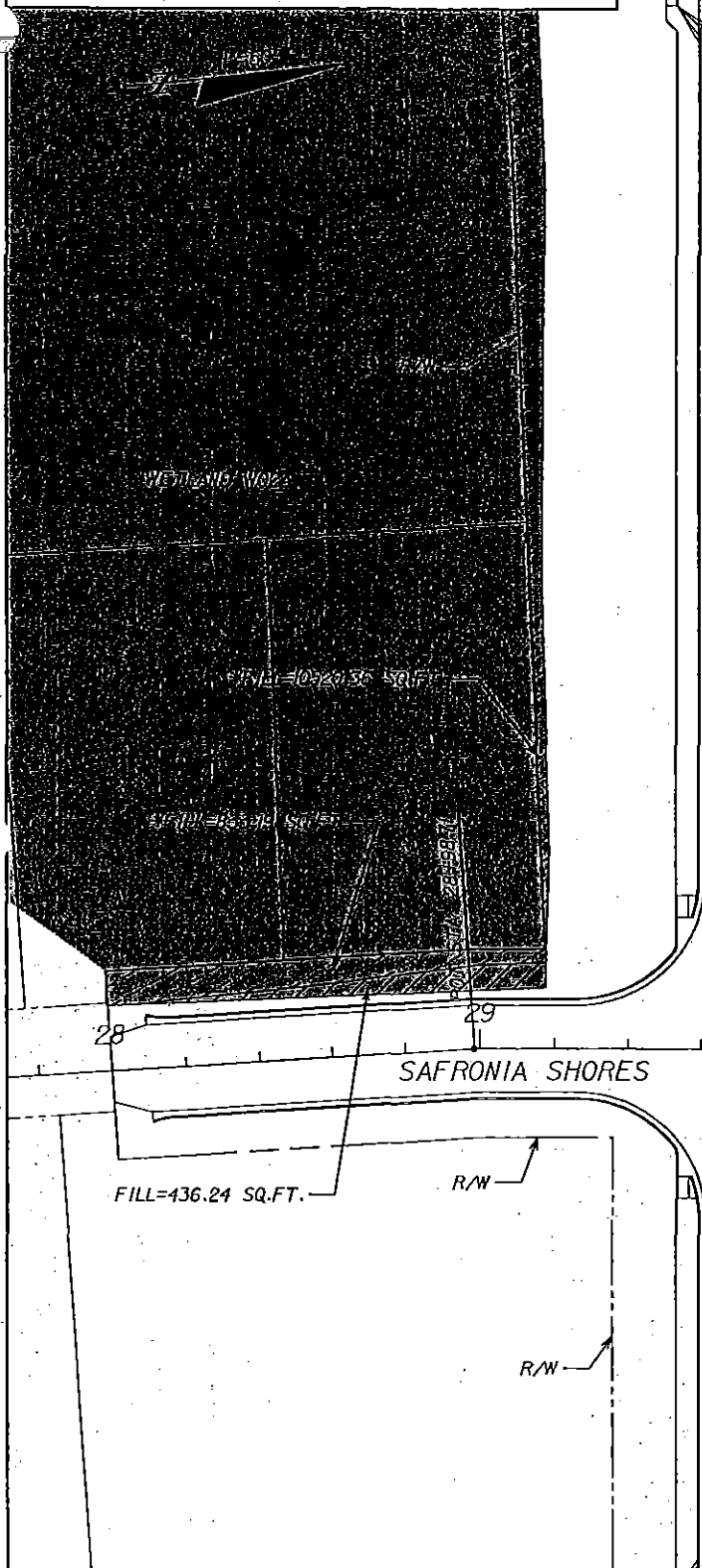
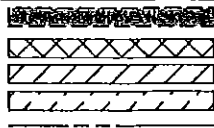
Wetland Boundary

Wetland - Cut

Wetland - Fill

* Wetland - Assumed Fill

R/W Line



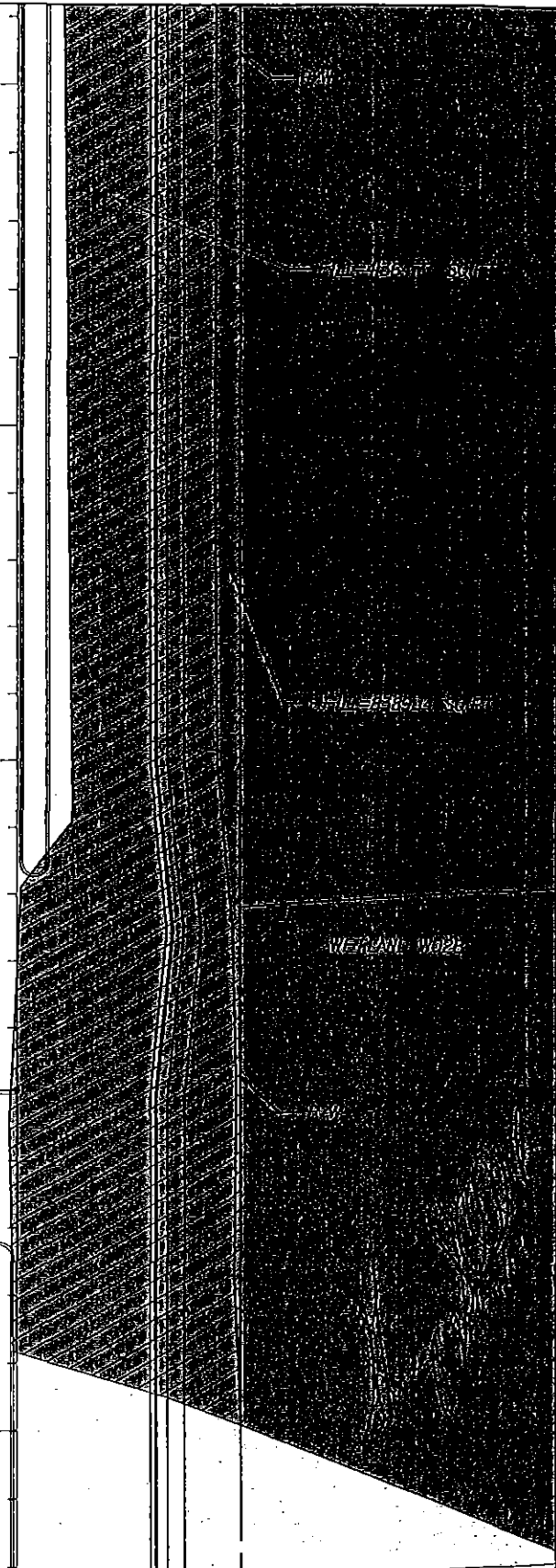
3242

3241

3240

3239

3238



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

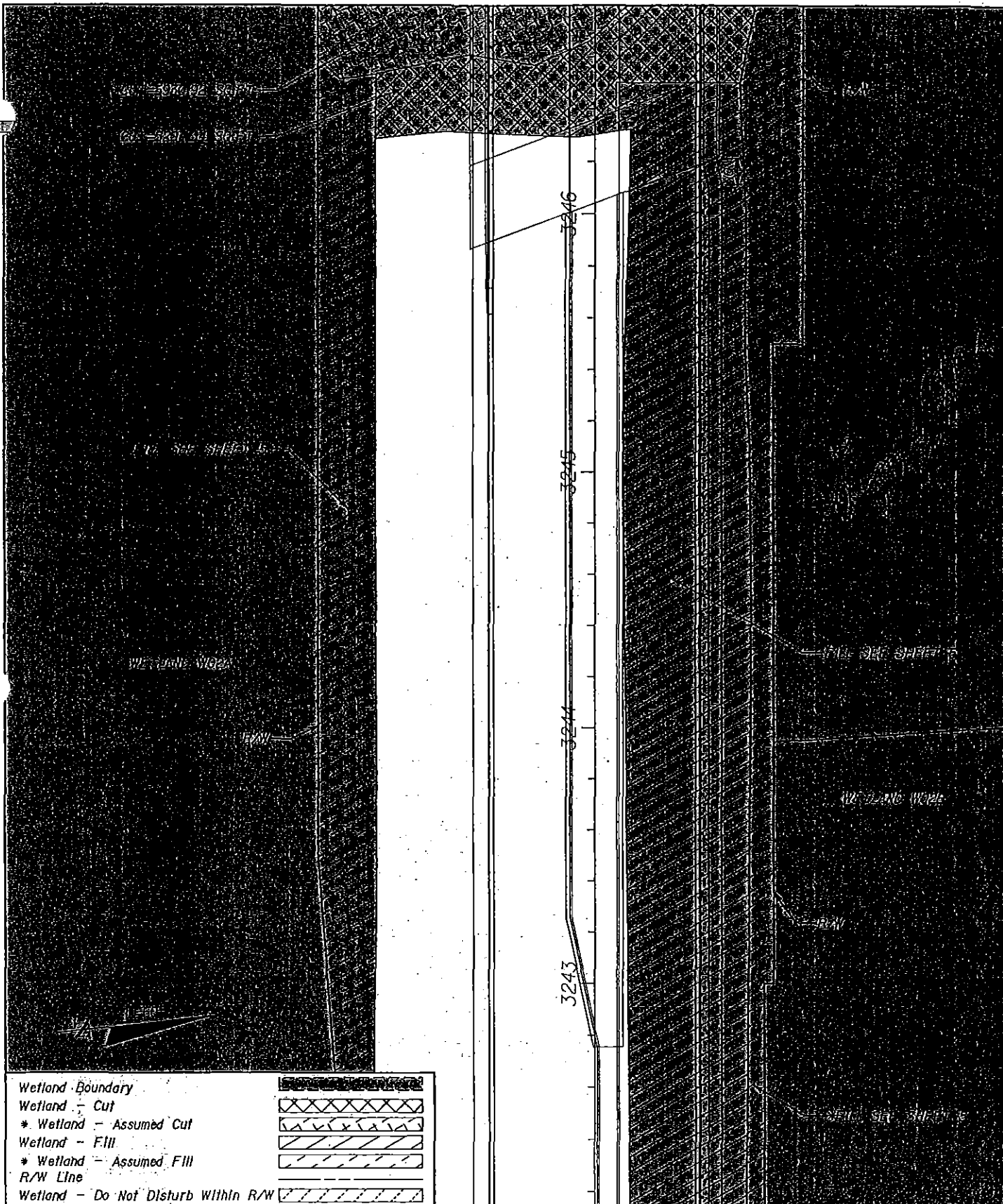
Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 5 of 34

Date: January 2004

Applicant: FDOT
File: 2004-2643-IP-EPS
Date: January 27, 2006
Page 5 of 47



Wetland Boundary	
Wetland - Cut	
* Wetland - Assumed Cut	
Wetland - Fill	
* Wetland - Assumed Fill	
R/W Line	
Wetland - Do Not Disturb Within R/W	

Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 6 of 34
 Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP -EPS
 Date: January 27, 2006
 Page 6 of 47

Wetland Boundary

Wetland - Cut

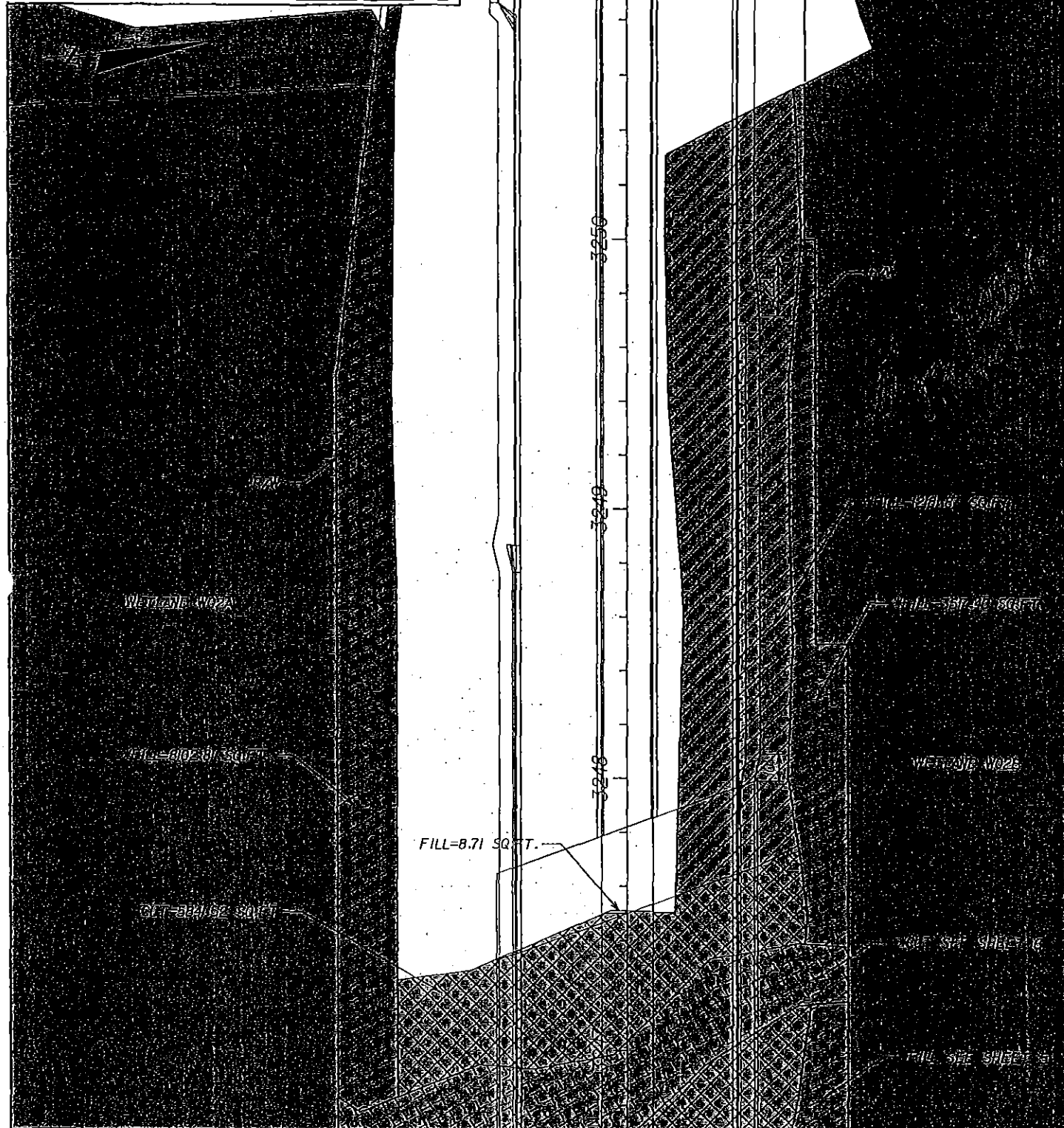
* Wetland - Assumed Cut

Wetland - Fill

* Wetland - Assumed Fill

R/W Line

Wetland - Do Not Disturb Within R/W



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 7 of 34

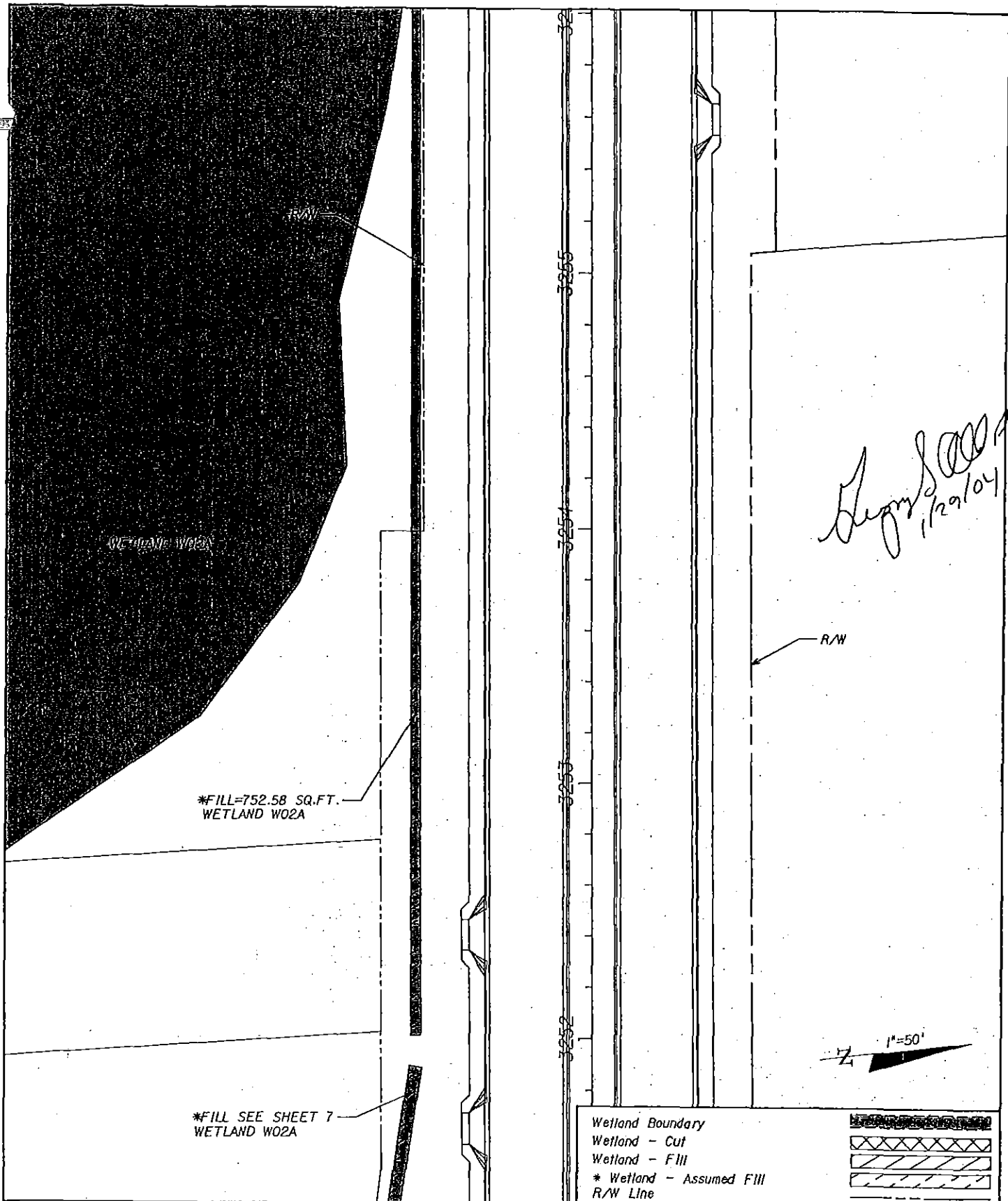
Date: January 2004

Applicant: FDOT

File: 2004-2643-IP-EPS

Date: January 27, 2006

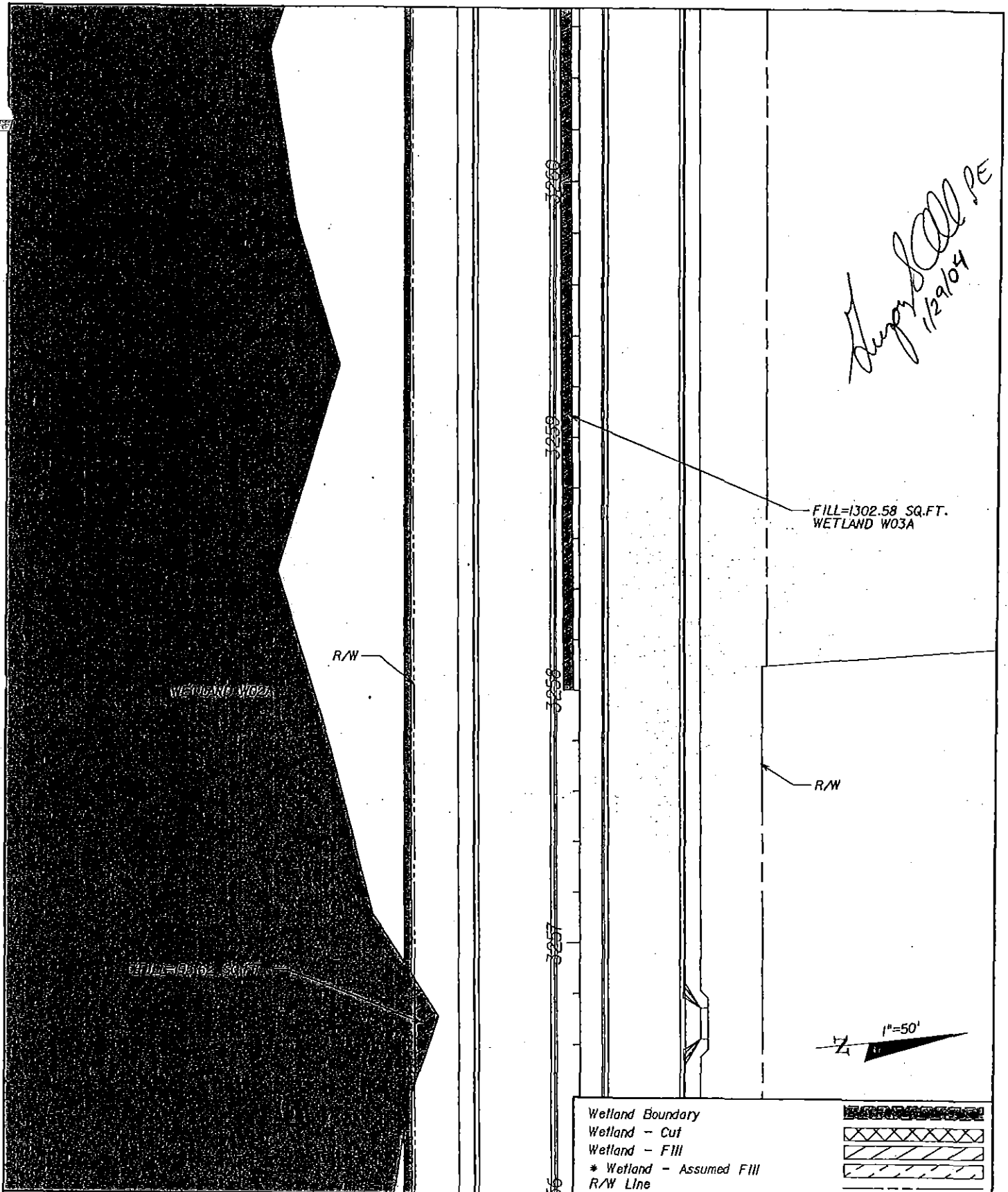
Page 7 of 47



Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 8 of 34
 Date: January

Applicant: **FDOT**
 File: **2004-2643-IP-EPS**
 Date: **January 27, 2006**
 Page 8 of 47



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

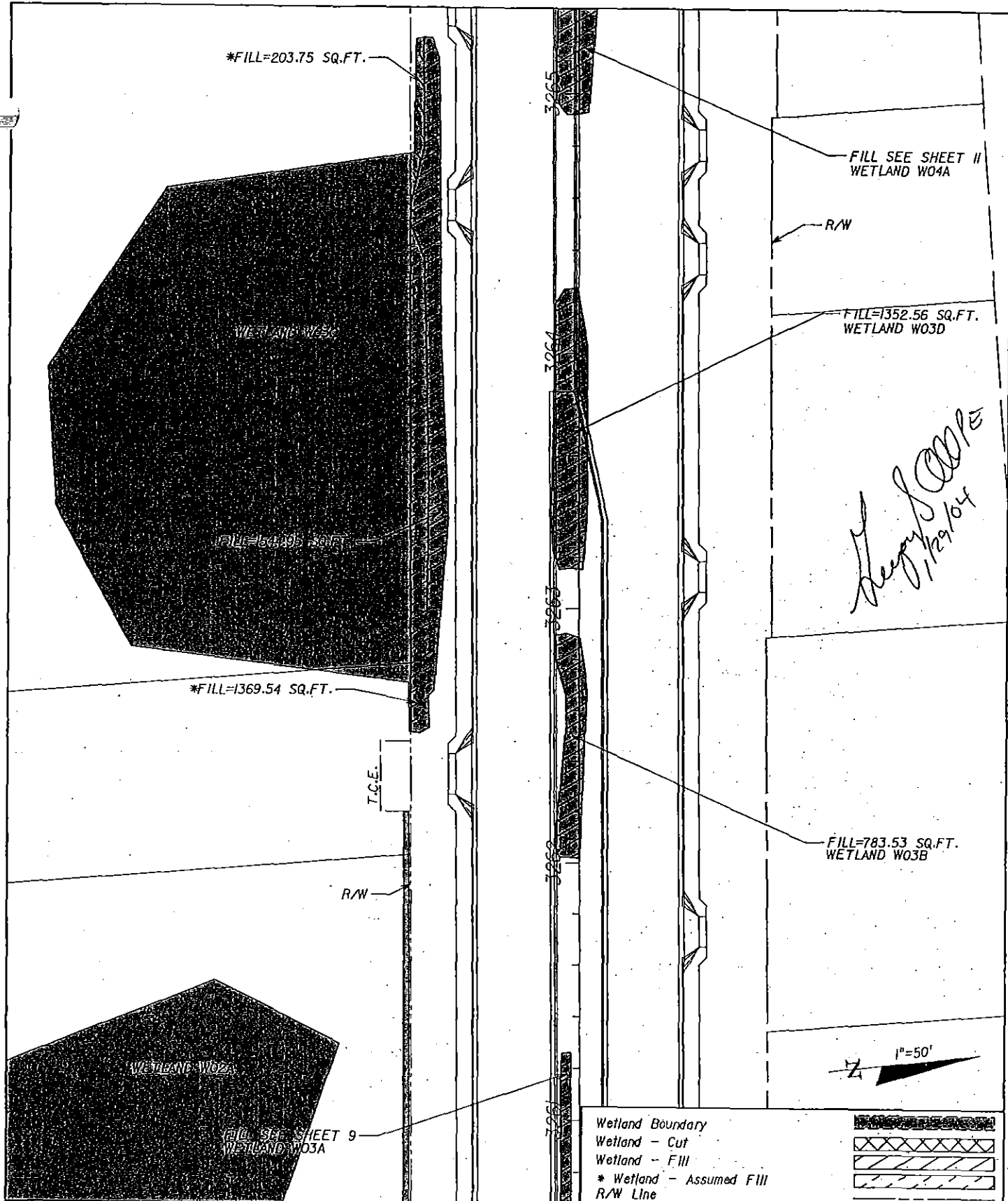
Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 9 of 34

Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 9 of 47



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

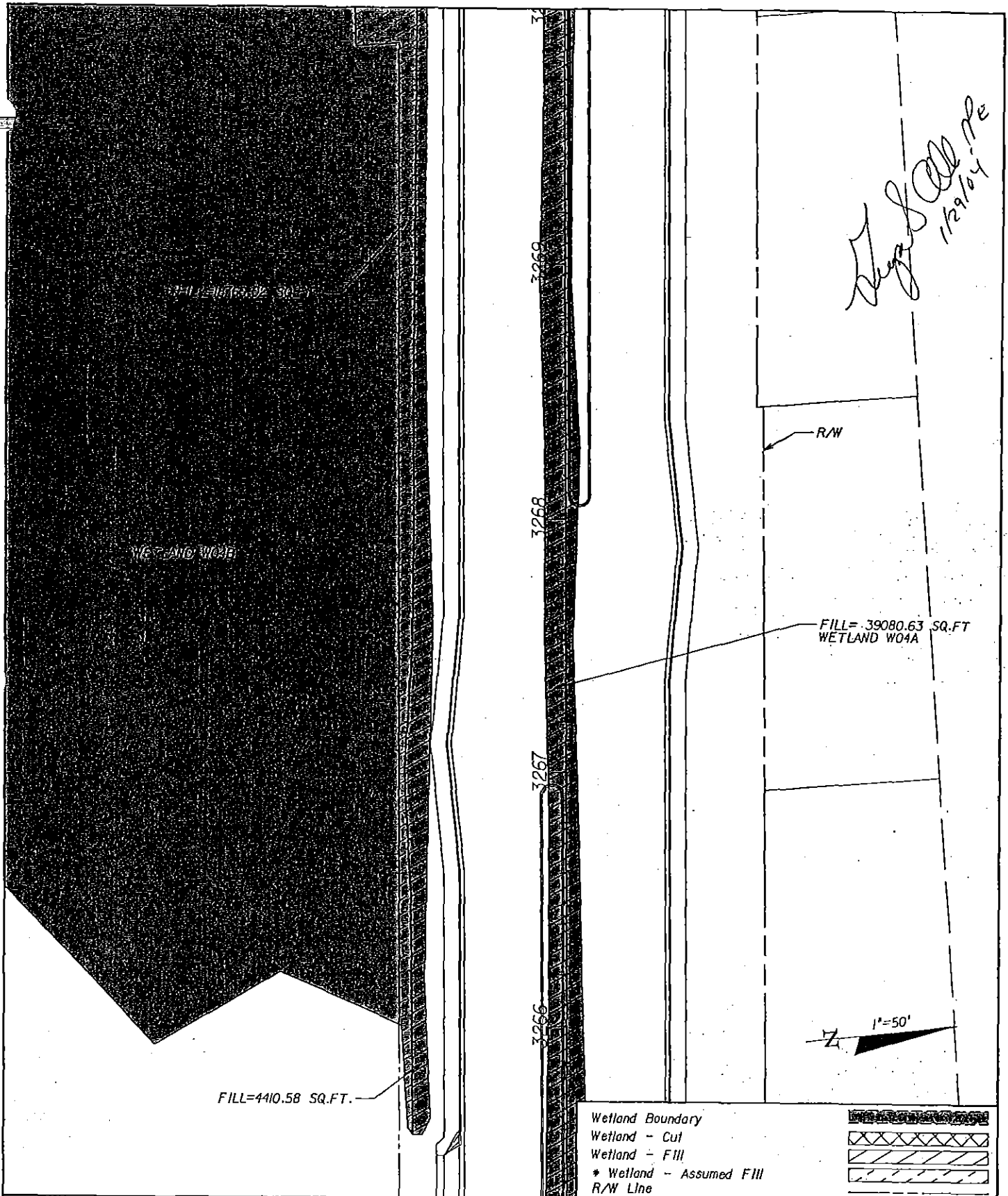
Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 10 of 34

Date: January 2006

Applicant: **FDOT**
 File: **2004-2643-IP-EPS**
 Date: **January 27, 2006**
 Page 10 of 47

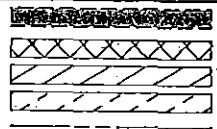


FILL=4410.58 SQ.FT.

FILL= 39080.63 SQ.FT
WETLAND W04A

1"=50'

Wetland Boundary
Wetland - Cut
Wetland - Fill
* Wetland - Assumed Fill
R/W Line

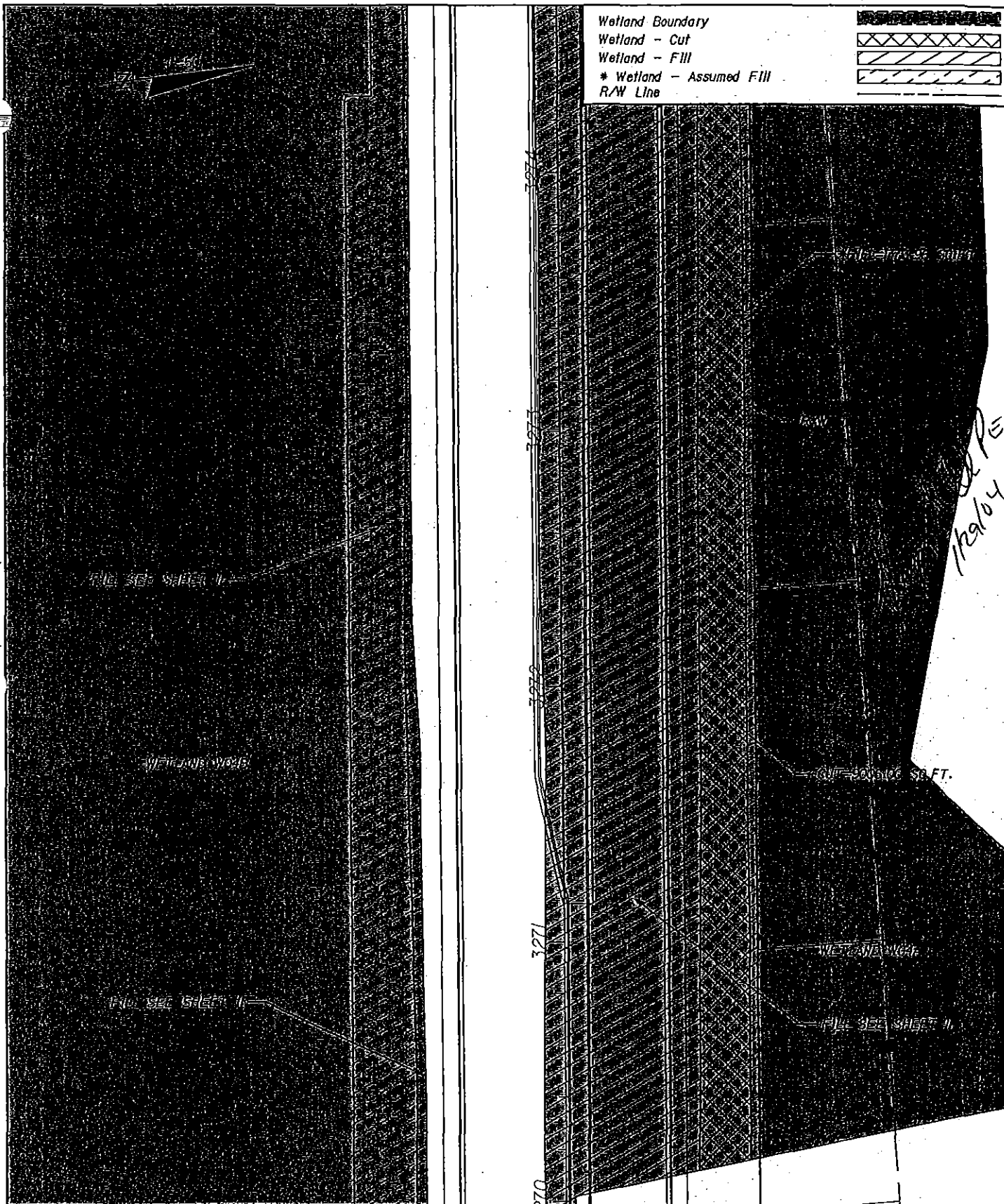
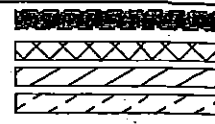


Applicant: Florida Department of Transportation (FDOT)
Water Body: N/A
County: Santa Rosa
Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
Original Work ☒ Maintenance ☐
Sheet No.: 11 of 34
Date: January 2004

Applicant: FDOT
File: 2004-2643-IP-EPS
Date: January 27, 2006
Page 11 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 12 of 34
 Date: January 27

Applicant: FDOT
 File: 2004-2643-IP -EPS
 Date: January 27, 2006
 Page 12 of 47

- Wetland Boundary
- Wetland - Cut
- Wetland - Fill
- * Wetland - Assumed Fill
- R/W Line
- Wetland - Do Not Disturb Within R/W

1"=50'

FILL SEE SHEET 1
WETLAND W04C

POND 2

PC STA. 3277+97.00

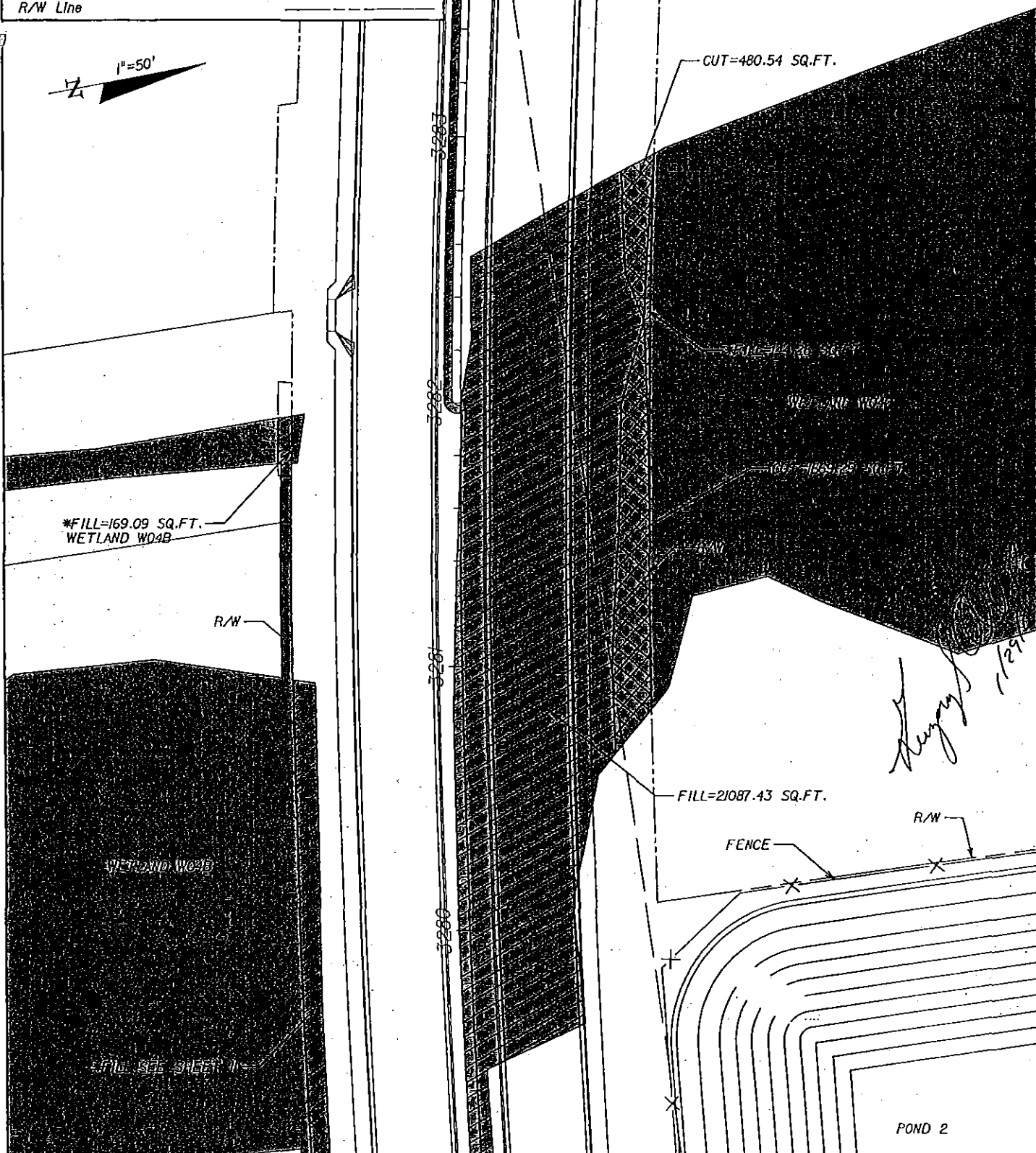
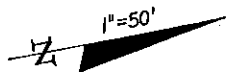
FENCE

Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed Sft Off. Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 13 of 34
 Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 13 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 67, Segment No. 3

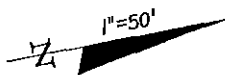
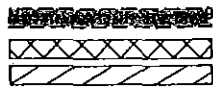
Original Work ☒ Maintenance ☐

Sheet No.: 14 of 34

Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP -EPS
 Date: January 27, 2006
 Page 14 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 R/W Line



POT STA. 31+44.06
 BOB TOLBERT RD. (South)

R/W

T.C.E

R/W

FILL SEE SHEET 14
 WETLAND W04C

Handwritten signature and date: 1/29/04

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 15 of 34

Date: January 2004

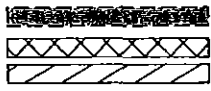
Applicant: FDOT

File: 2004-2643-IP-EPS

Date: January 27, 2006

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Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 R/W Line



1"=50'

PT STA. 29+36.14

R/W

FILL=1638.95 SQ.FT.
 WETLAND W04G

R/W

FILL=636.84 SQ.FT.
 WETLAND W04E

T.C.E.

FILL=495.13 SQ.FT.
 WETLAND W04F

Section 1
 Section 6

R/W

Section 1
 Section 6
 N 2° 45' 44" E
 STA. 289+69.35

FILL=1319.19 SQ.FT.
 WETLAND W04D

3289

3291

3292

3290

BOB TOLBERT
 RD.(South)

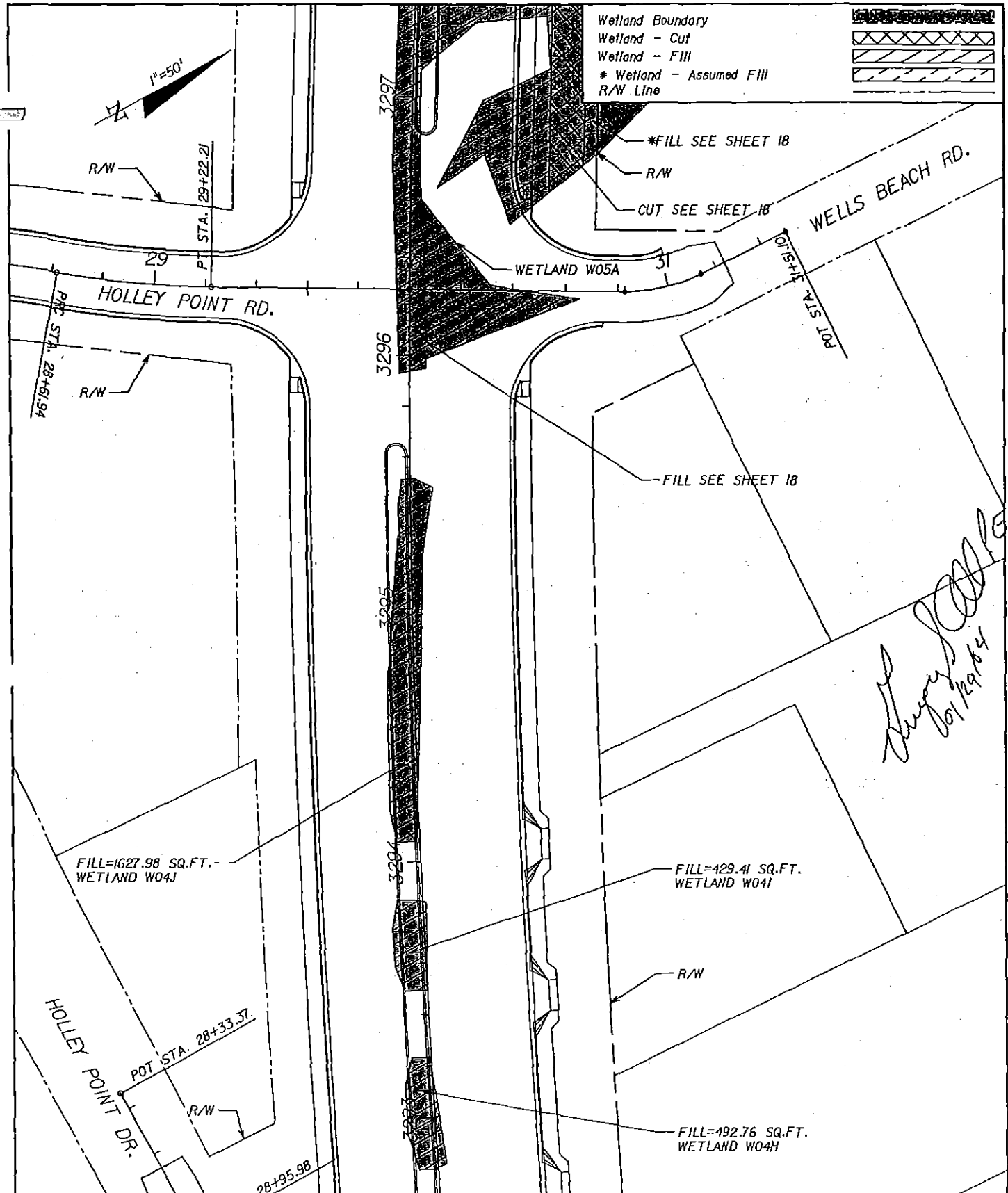
POT STA. 31+44.06

Handwritten signature and date: 1/29/04

Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 16 of 34
 Date: January

Applicant: FDOT
 File: 2004-2643-1P -EPS
 Date: January 27, 2006
 Page 16 of 47



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

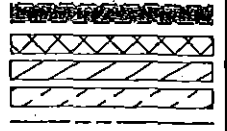
Original Work ☒ Maintenance ☐

Sheet No.: 17 of 34

Date: January 2004

Applicant: **FDOT**
 File: **2004-2643-IP-EPS**
 Date: **January 27, 2006**
 Page 17 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



R/W

FILL=58213.24 SQ.FT.

FILL=4103.26 SQ.FT.

FILL=923.40 SQ.FT.

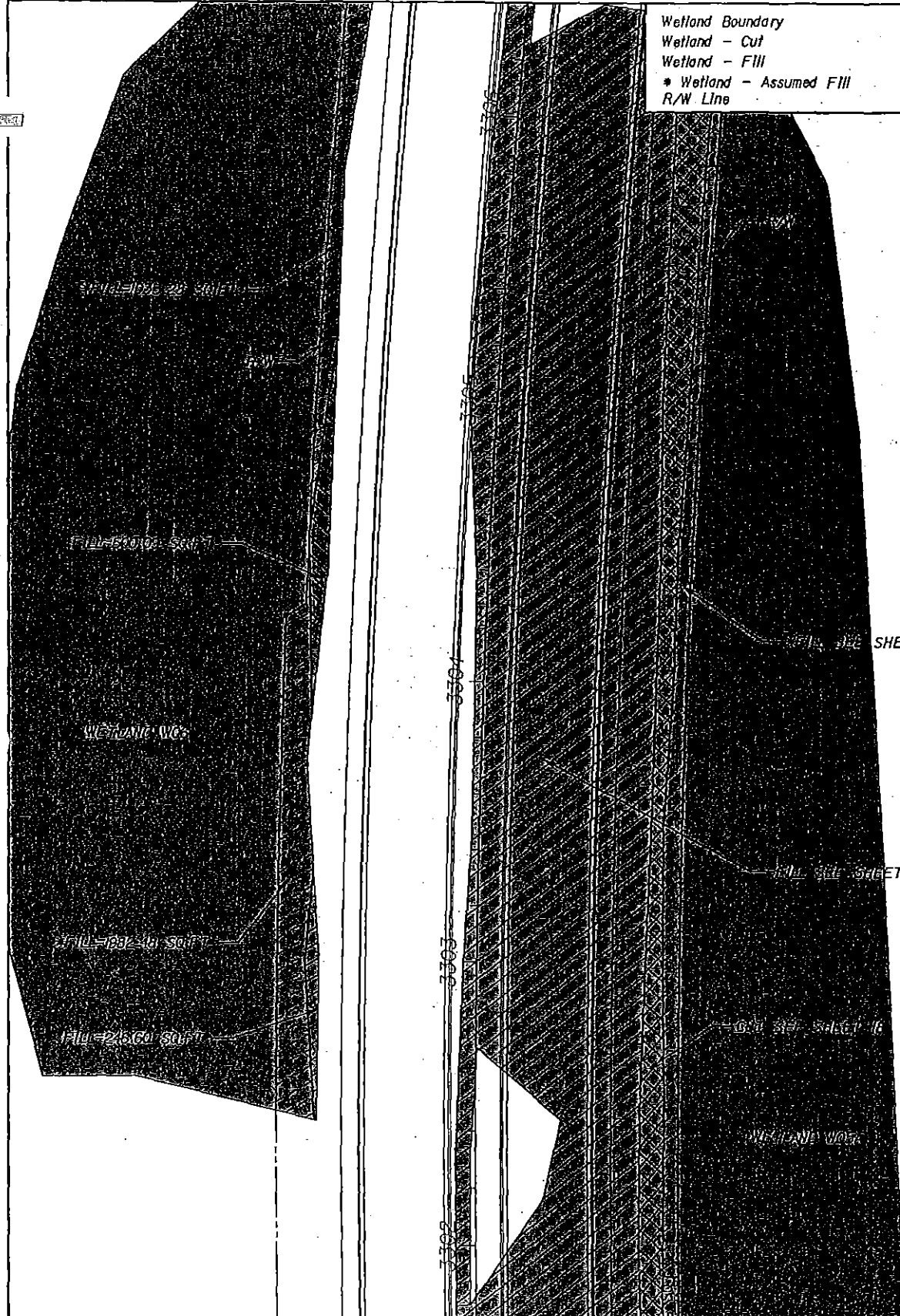
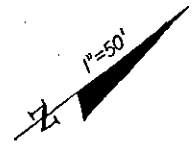
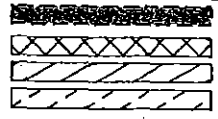
Handwritten signature and date: 1/29/04

Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 18 of 34
 Date: January 2006

Applicant: **FDOT**
 File: **2004-2643-IP -EPS**
 Date: **January 27, 2006**
 Page 18 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



SHEET 18

SHEET 18

SHEET 18

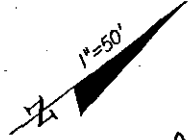
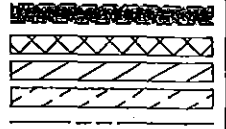
Handwritten signature
 1/29/04

Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 18 of 34
 Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 19 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



Handwritten signature: Doug S. [unclear] 1/27/04

R/W

R7'

T.C.E.

R/W

FILL=4802.15 SQ.FT.
 WETLAND W05B

R/W

FILL SEE SHEET 18
 WETLAND W05A

*FILL SEE SHEET 19
 WETLAND W06

30

31

DOT STA. 31+2.64

HOLLANDA TRAIL

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 20 of 34

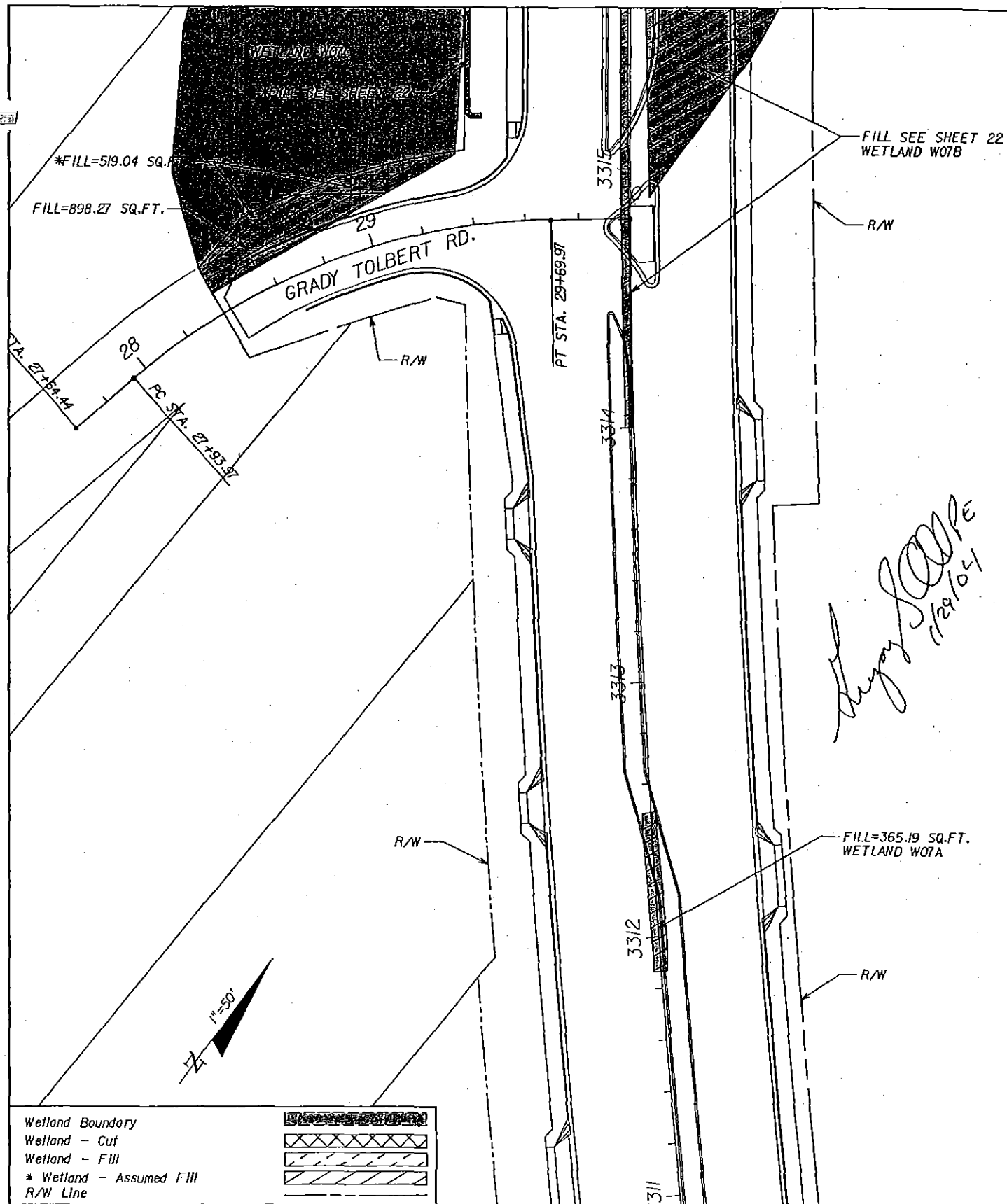
Date: January 1

Applicant: FDOT

File: 2004-2643-IP -EPS

Date: January 27, 2006

Page 20 of 47



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 21 of 34

Date: January 2004

Applicant: **FDOT**
 File: **2004-2643-IP-EPS**
 Date: **January 27, 2006**
 Page 21 of 47

Wetland Boundary

Wetland - Cut

Wetland - Fill

* Wetland - Assumed Fill

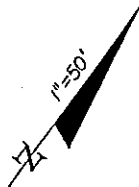
R/W Line



NELSON ST.

PC STA. 30+31.46

Alle Grimes Rd.



FILL=423.31 SQ.FT.
WETLAND W07E

R/W

FILL=858.28 SQ.FT.
WETLAND W07D

*FILL=1117.30 SQ.FT.

WETLAND W07C

3320

3310

3318

3317

3316

*FILL=826.27 SQ.FT.

FILL=11169.37 SQ.FT.

CUT=874.51 SQ.FT.

Handwritten signature
1/29/04

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒

Maintenance ☐

Sheet No.: 22 of 34

Date: January 2004

Applicant: FDOT
File: 2004-2643-IP-EPS
Date: January 27, 2006
Page 22 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



WETLAND W08C

*FILL=4834.75 SQ.FT.

R/W

*FILL=622.55 SQ.FT.
 WETLAND W08B

FILL=1778.20 SQ.FT.
 WETLAND W08A

FILL=315.88 SQ.FT.
 WETLAND W07F

POT STA. 28+33.74

NELSON ST. 29

FILL SEE SHEET 24
 WETLAND W08D

R/W

Handwritten signature: [Signature]
 1/29/04

R/W

32
 ALLIE GRIMES RD.
 PC STA. 31+54.87
 T.C.E.
 R/W

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 23 of 34

Date: January 2004

Applicant: Florida Department of Transportation (FDOT)

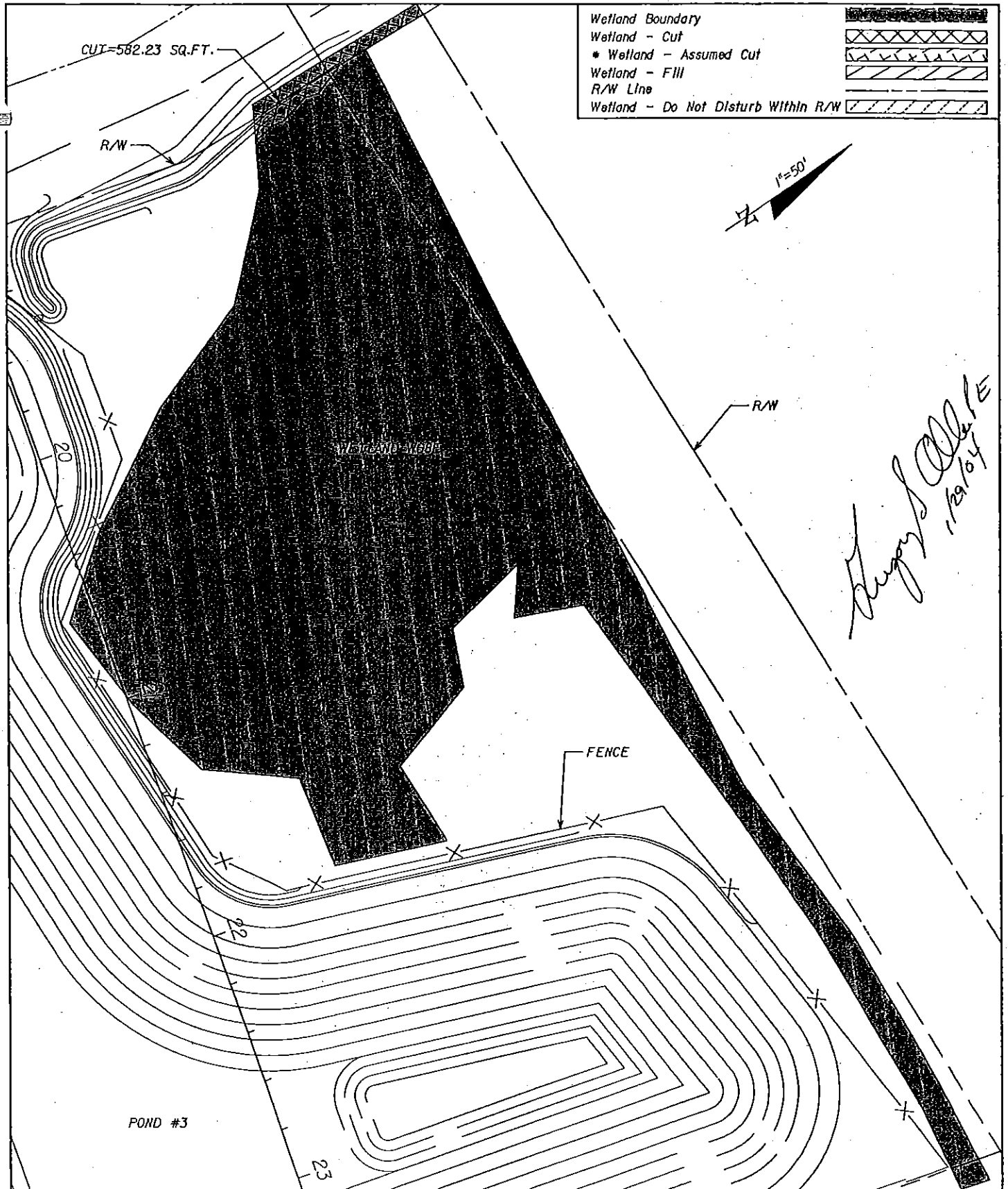
Water Body: N/A

County: Santa Rosa

Datum: English

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 23 of 47

Wetland Boundary	
Wetland - Cut	
* Wetland - Assumed Cut	
Wetland - Fill	
R/W Line	
Wetland - Do Not Disturb Within R/W	



Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 25 of 34
 Date: April 2003

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 25 of 47

Wetland Boundary

Wetland - Cut

Wetland - Fill

* Wetland - Assumed Fill

R/W Line

1"=50'

*FILL SEE SHEET 26
WETLAND W08H

*FILL=1033.31 SQ.FT.
WETLAND W08G

T.C.E.

R/W

*FILL=1092.74 SQ.FT.
WETLAND W08F

T.C.E.

R/W

FILL SEE SHEET 24

FILL SEE SHEET 24

FILL SEE SHEET 24

WETLAND W08D

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 26 of 34

Date: January 2004

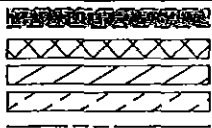
Applicant: FDOT

File: 2004-2643-IP-EPS

Date: January 27, 2006

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Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



1"=50'

*FILL=1032.96 SQ.FT.
 WETLAND W08J

*FILL=426.50 SQ.FT.
 WETLAND W08I

R/W

*FILL=1494.04 SQ.FT.
 WETLAND W08H

BROXSON RD. 31

R/W

FILL SEE SHEET 24
 WETLAND W08D

R/W

Handwritten signature: [Signature]
 1/22/04

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

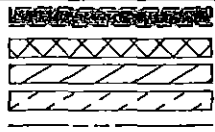
Original Work ☒ Maintenance ☐

Sheet No.: 27 of 34

Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 27 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



1"=50'

*FILL=1889.85 SQ.FT.
 WETLAND W09D

*FILL=184.35 SQ.FT.
 WETLAND W09C

*FILL=451.59 SQ.FT.
 WETLAND W09A

*FILL=890.45 SQ.FT.
 WETLAND W08K

FILL=1964.84 SQ.FT.
 WETLAND W09E

FILL=750.05 SQ.FT.
 WETLAND W09B

FILL=1083.63 SQ.FT.
 WETLAND W08L

Handwritten signature: Hugo S. [unclear] 1/29/04

POT STA. 27+76.33

28

JESSE RD.

29

BROXSON RD. 31

Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 28 of 34

Date: January 21

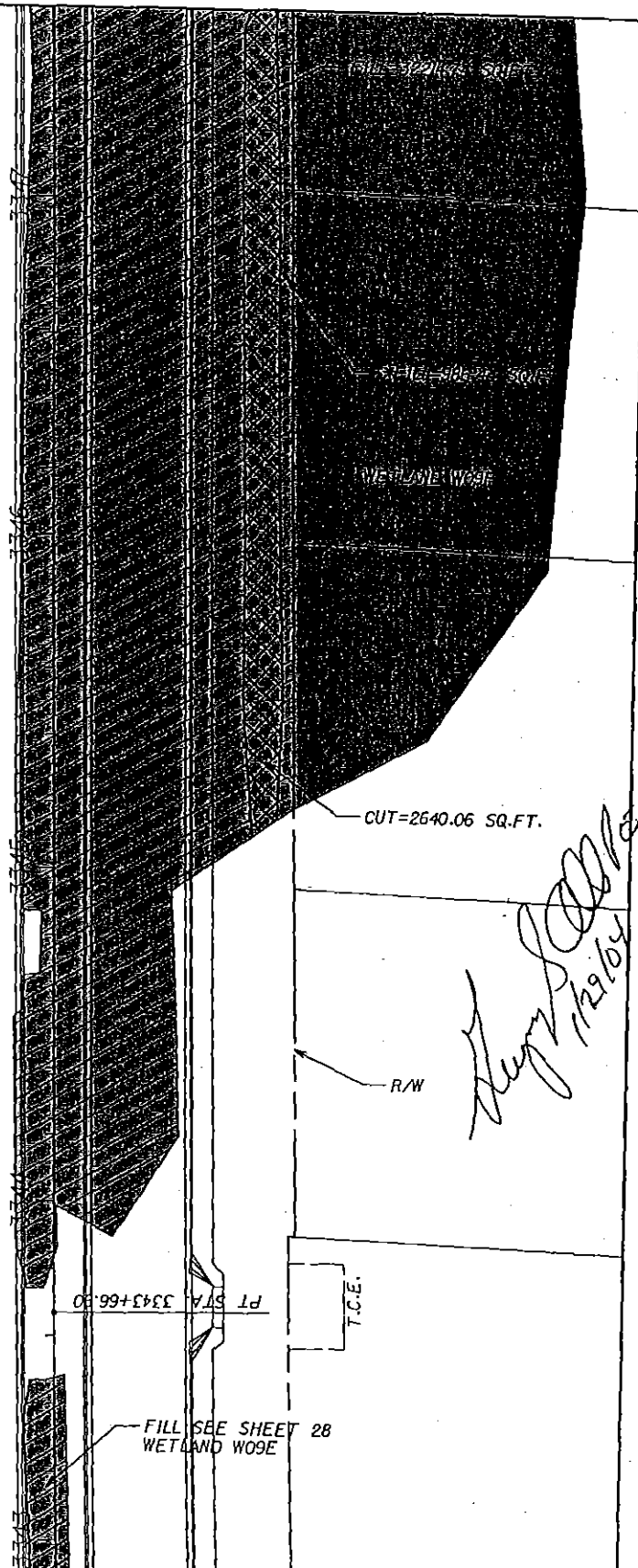
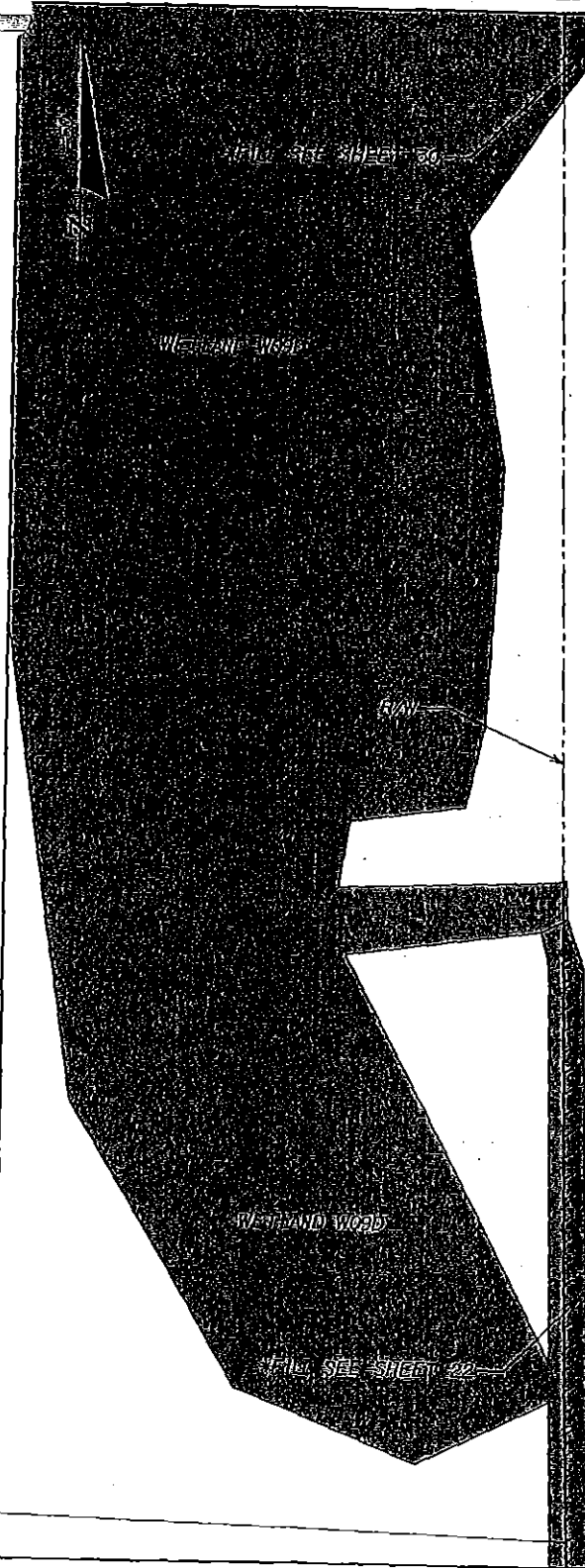
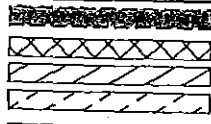
Applicant: FDOT

File: 2004-2643-IP-EPS

Date: January 27, 2006

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Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 29 of 34

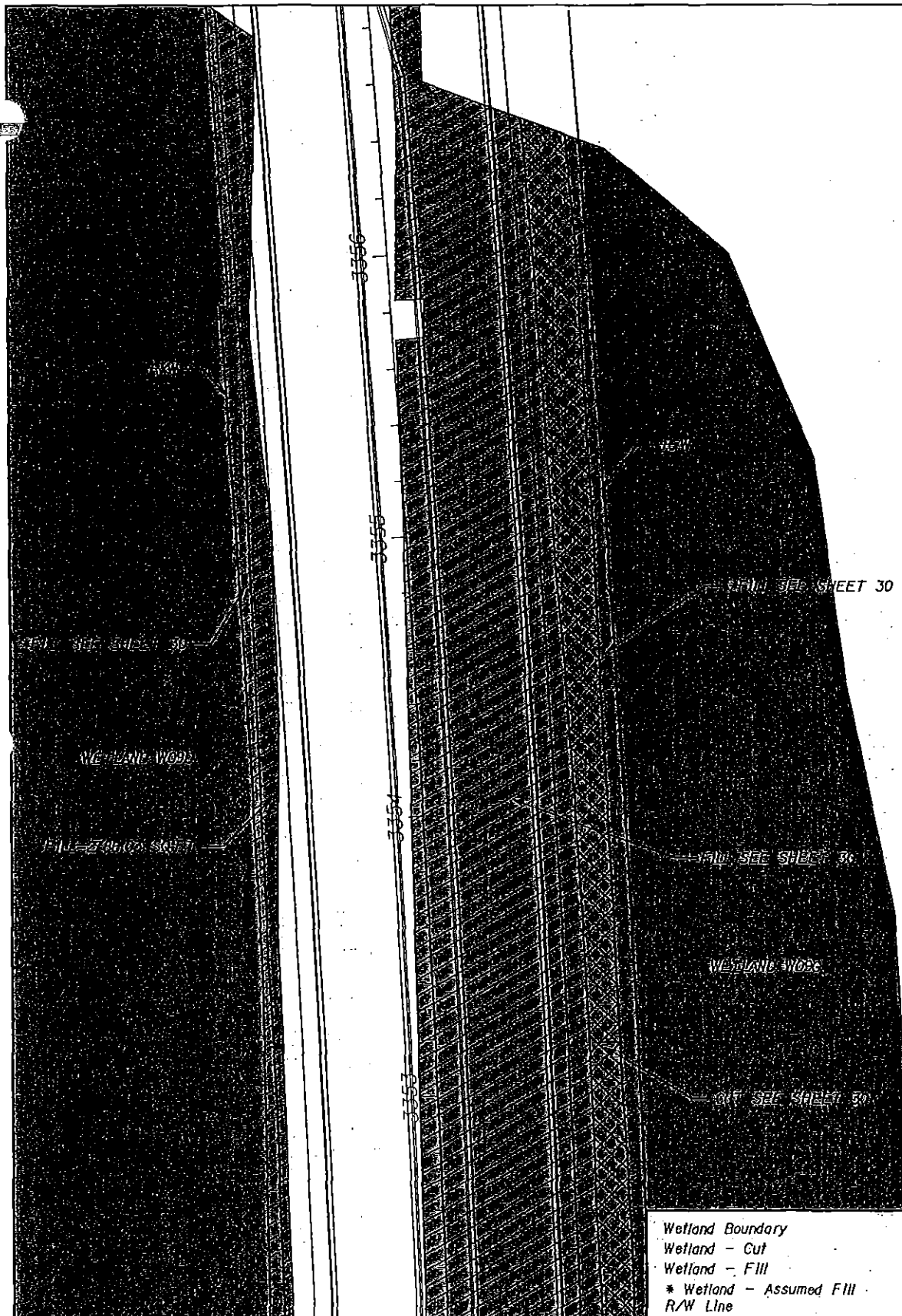
Date: January 2004

Applicant: FDOT

File: 2004-2643-IP-EPS

Date: January 27, 2006

Page 29 of 47



Handwritten signature: Hugo Lopez
Handwritten date: 1/29/04

Wetland Boundary

Wetland - Cut

Wetland - Fill

* Wetland - Assumed Fill

R/W Line



Applicant: Florida Department of Transportation (FDOT)

Water Body: N/A

County: Santa Rosa

Datum: English

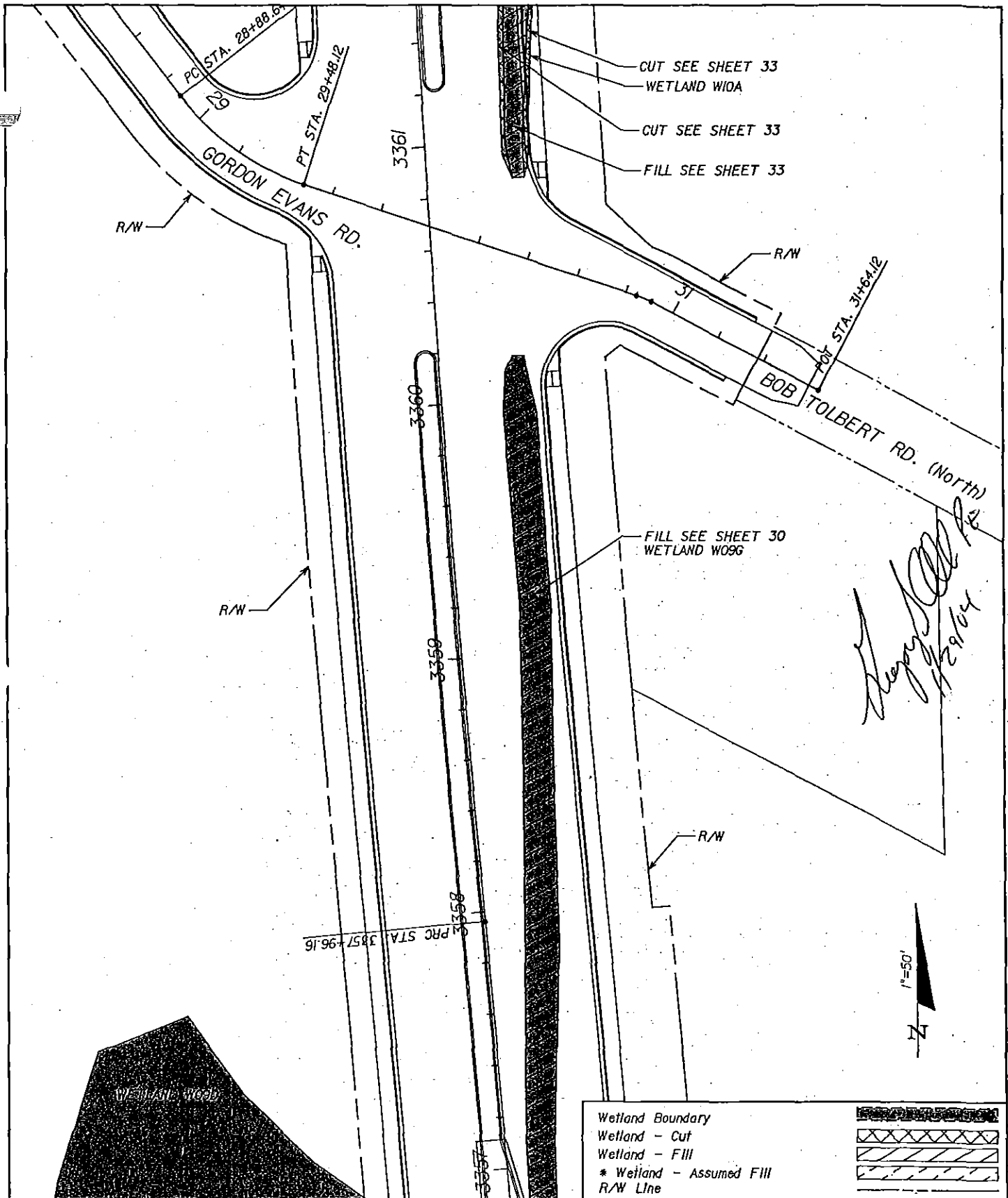
Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3

Original Work ☒ Maintenance ☐

Sheet No.: 31 of 34

Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 31 of 47

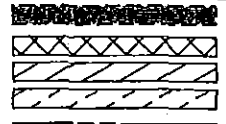


Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 32 of 32
 Date: January 2006

Applicant: FDOT
 File: 2004-2643-IP -EPS
 Date: January 27, 2006
 Page 32 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



Handwritten signature and date: 1/27/04

R/W

3366
3365
3364
3363
3362

PT 3365+69.53

CUT=1117.67 SQ.FT.

WETLAND WIOC

CUT=2482.84 SQ.FT.

FILL=3018.85 SQ.FT.

R/W

CUT=190.21 SQ.FT.

WETLAND WIOB

FILL=434.59 SQ.FT.

CUT=228.79 SQ.FT.

CUT=313.84 SQ.FT.

CUT=376.71 SQ.FT.

WETLAND WIOA

FILL=1297.04 SQ.FT.

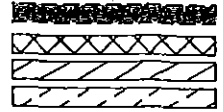
GORDON EVANS RD.
28

Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

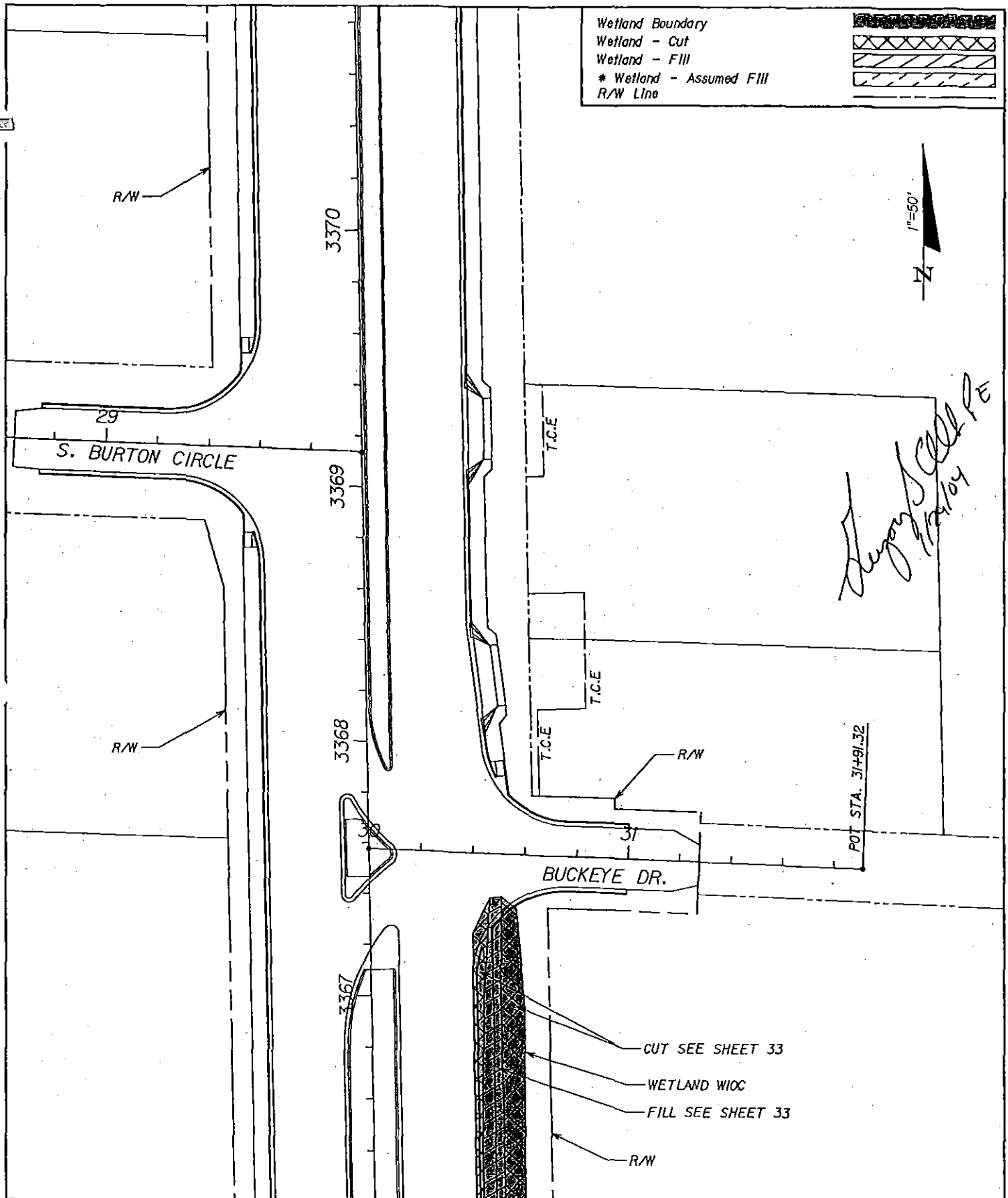
Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 33 of 34
 Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP-EPS
 Date: January 27, 2006
 Page 33 of 47

Wetland Boundary
 Wetland - Cut
 Wetland - Fill
 * Wetland - Assumed Fill
 R/W Line



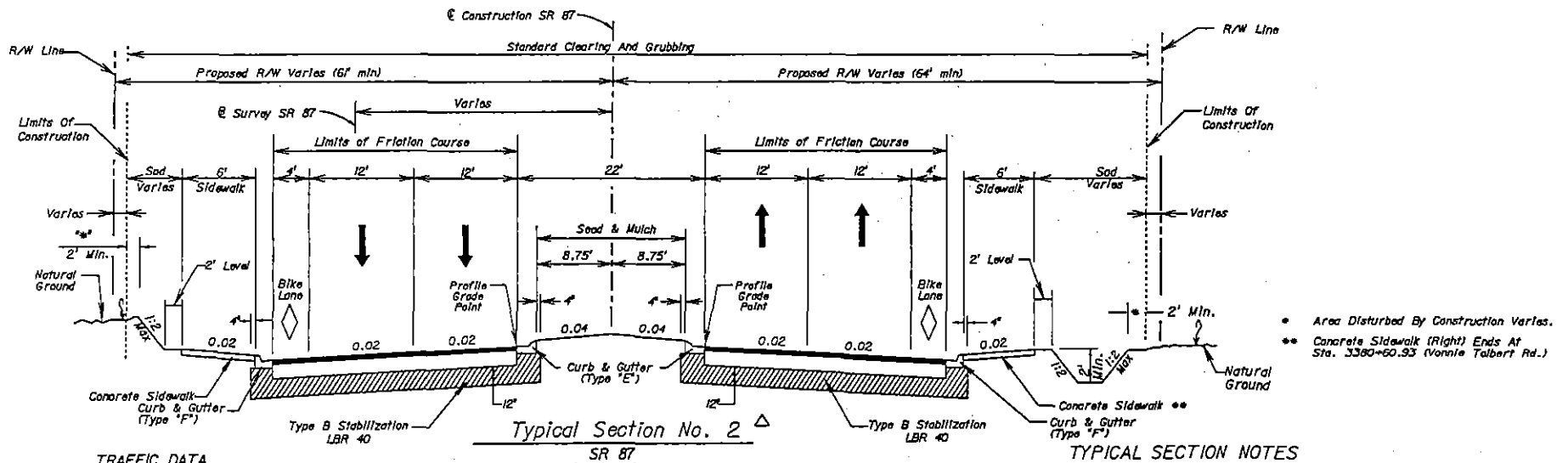
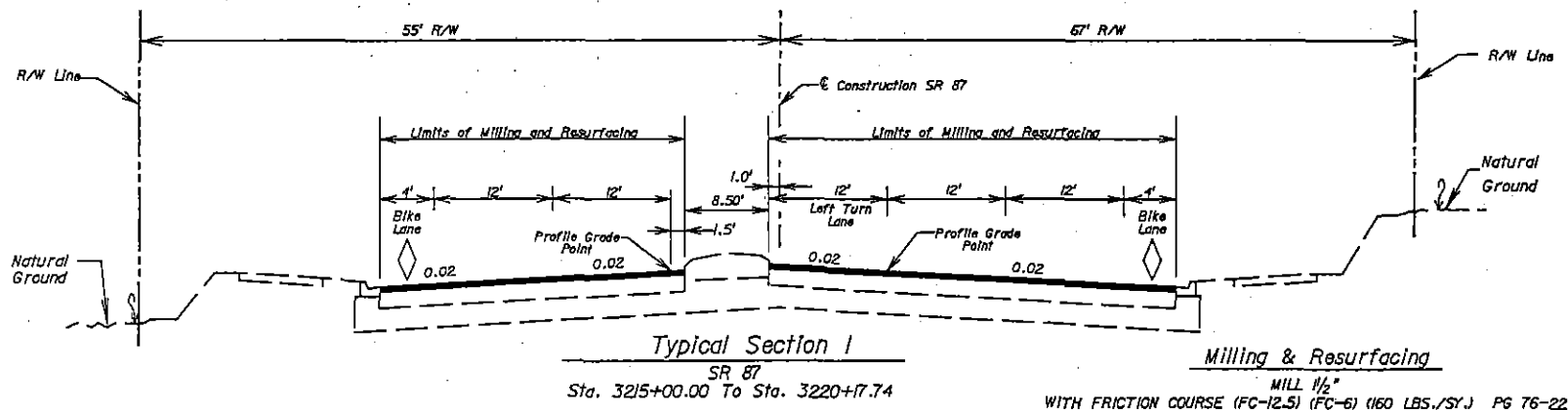
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Applicant: Florida Department of Transportation (FDOT)
 Water Body: N/A
 County: Santa Rosa
 Datum: English

Purpose: Dredge & Fill For Proposed SR 87, Segment No. 3
 Original Work ☒ Maintenance ☐
 Sheet No.: 34 of 34
 Date: January 2004

Applicant: FDOT
 File: 2004-2643-IP -EPS
 Date: January 27, 2006
 Page 34 of 47



TRAFFIC DATA

CURRENT YEAR ESTIMATE = 2001 AADT = 10000
OPENING YEAR ESTIMATE = 2005 AADT = 11400
DESIGN YEAR ESTIMATE = 2025 AADT = 18300
K = 10.4% D = 56.6% T = 8% (24 HOUR)
DESIGN HOUR T = 2%
SIGN SPEED = 50 mph

- TYPICAL SECTION NOTES**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING LIMBS/TREES FROM THE DESIGNATED CLEAR ZONE AND TO THE R/W LINE IN AREAS OF UTILITY RELOCATION WITHIN THE PROJECT LIMITS. THE PLACEMENT OF NEW SIGNS SHALL BE COORDINATED TO FOLLOW TREE TRIMMING ACTIVITIES.
 2. THE TYPICAL SECTIONS SHOWN MAY NOT BE REPRESENTATIVE FOR ALL EXISTING CONDITIONS. VARIABLE CONDITIONS WILL BE ADJUSTED AS DIRECTED BY THE PROJECT ENGINEER.
 3. (UNDER PAVED SHOULDERS) AT THE CONTRACTOR'S OPTION, THIS AREA MAY BE CONSTRUCTED OF BASE MATERIAL AT NO ADDITIONAL COMPENSATION (SEE DETAIL A, SHEET 14).
- △ BETWEEN STA. 3319+50.00 TO STA. 3339+00.00, TYPE B-12.5 (08G) IS THE ONLY ALLOWABLE OPTION. SEE DETAIL 'B' SHEET 14.

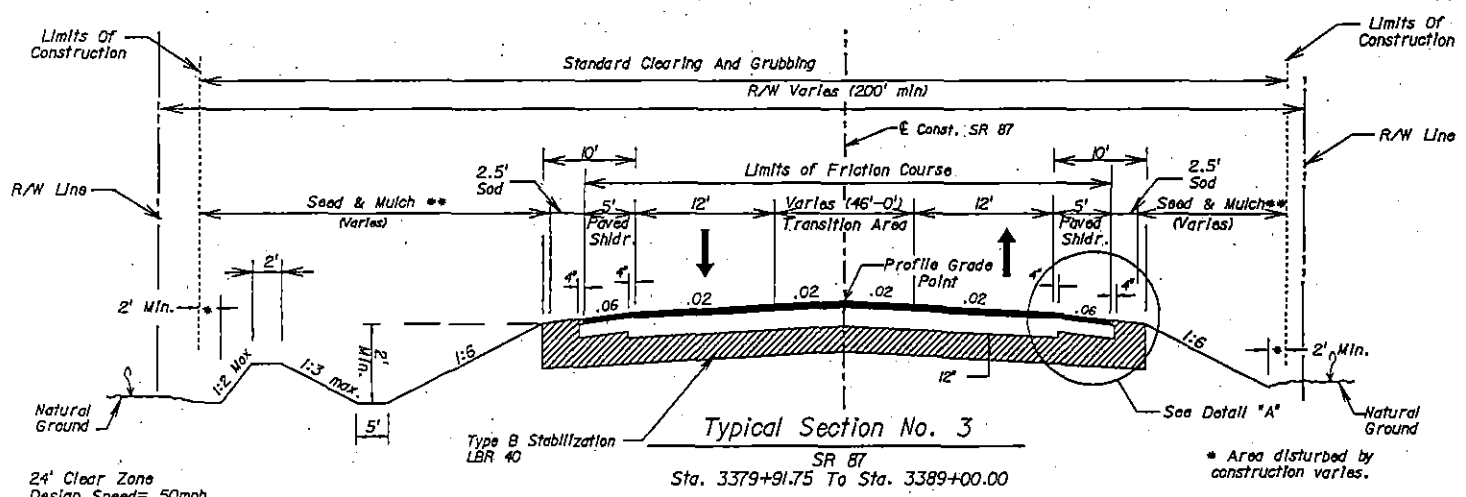
REVISIONS			
NO.	DESCRIPTION	DATE	BY

Hatch Mott MacDonald
Post Office Box 1534 Pensacola, Florida 32503
(904) 484-6000 - License No. 153
Engineer of Record: Gregory S. Allen, P.E., #5553

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
87	Santa Rosa	220442-3-S2-01

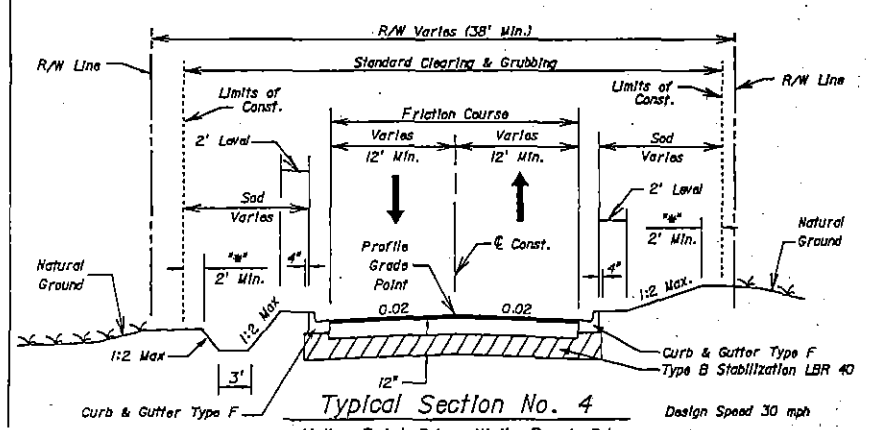
TYPICAL SECTIONS

SHEET NO.

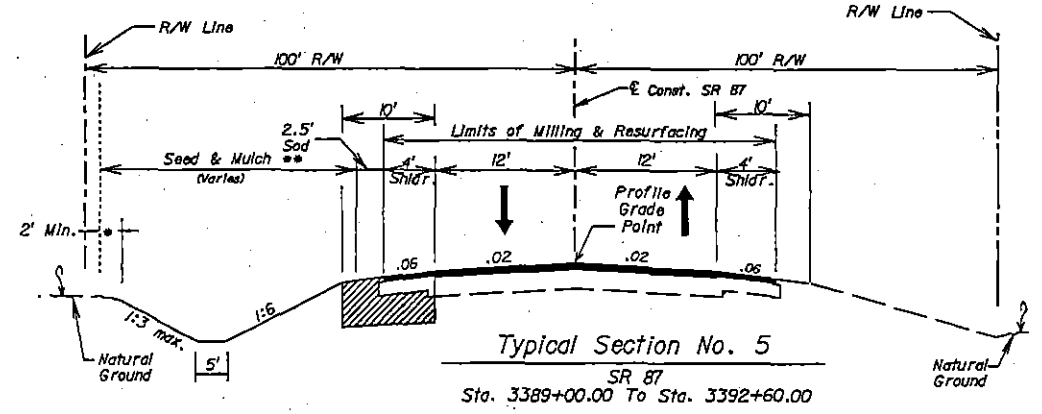


New Construction
OPTIONAL BASE GROUP 09
TYPE SP (TRAFFIC LEVEL C) (250 LBS./SY.) PG 76-22
WITH FRICTION COURSE (FC-12.5) (FC-6) (160 LBS./SY.) PG 76-22

Shoulder Construction
OPTIONAL BASE GROUP 01
WITH FRICTION COURSE (FC-12.5) (FC-6) (160 LBS./SY.) PG 76-22



NEW CONSTRUCTION
OPTIONAL BASE GROUP 06
TYPE SP (TRAFFIC LEVEL B) (100 LBS./SY.) PG 76-22
WITH FRICTION COURSE (FC-2.5) (FC-6) (160 LBS./SY.) PG 76-22



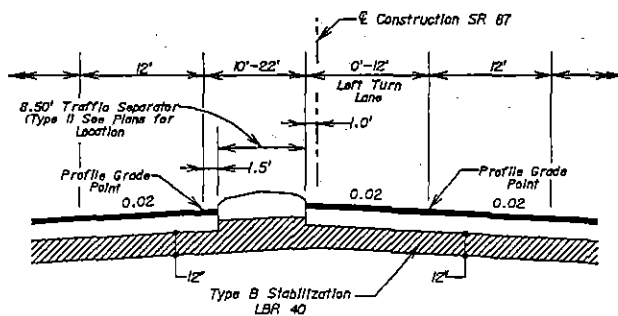
Milling & Resurfacing
MILL 1/2"
WITH FRICTION COURSE (FC-12.5) (FC-6) (160 LBS./SY.) PG 76-22

Shoulder Construction
STA. 3389+00.00 TO 3392+60.00 (LT)
OPTIONAL BASE GROUP 01
WITH FRICTION COURSE (FC-12.5) (FC-6) (160 LBS./SY.) PG 76-22

Applicant: FDOT
File: 2004-2643-1P-JPS
Date: January 27, 2006
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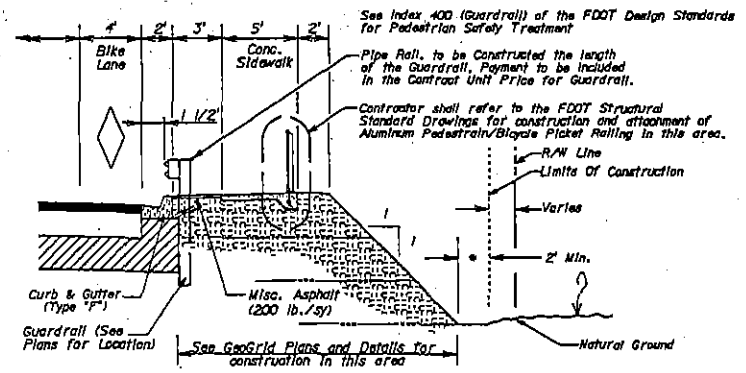
REVISIONS				Hatch Mott MacDonald	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
NO.	DESCRIPTION	DATE	BY		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
1					87	Santa Rosa	220442-3-52-01	

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Typical Left Turn Lane Detail

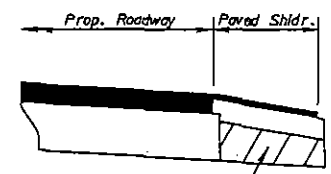
Applicable for left turn lanes unless otherwise noted
(See Plans for Proposed Turn Lane Stationing)



• Area Disturbed By Construction Varies.

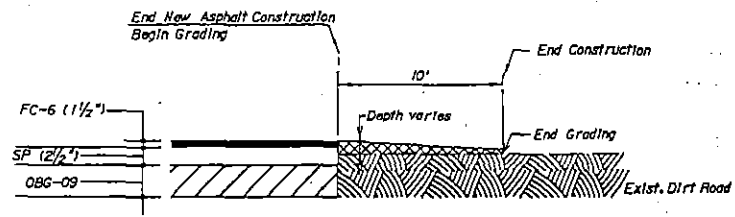
Areas of 1:1 Slopes

SR 87
Sta. 3239+50.98 To Sta. 3246+20.98
Sta. 3247+98.44 To Sta. 3249+72.44

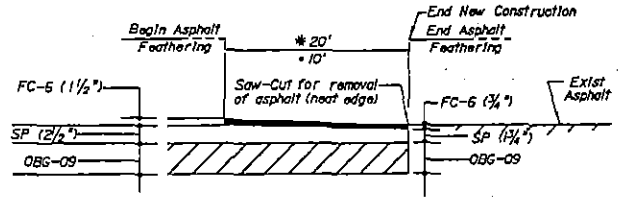


Under Paved Shoulders:
At the Contractor's option.
This area may be constructed of base material at no additional compensation.

Detail "A"

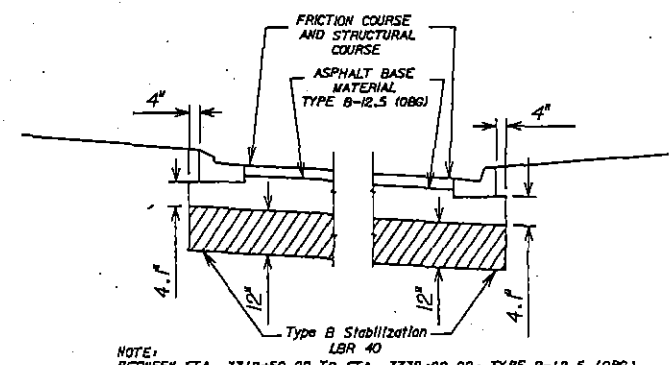


Detail for New Construction Areas at Dirt Road Connections



Asphalt Feathering Detail For New Construction Areas

* State Road 87
• All paved side street connections.



NOTE: BETWEEN STA. 3319+50.00 TO STA. 3339+00.00, TYPE B-12.5 (OBG) IS THE ONLY ALLOWABLE OPTION. SEE TYPICAL SECTION NO. 2 SHEET 11.

Detail "B"

BY	DATE	REVISIONS	DESCRIPTION

Hatch Mott MacDonald

Project Office Box 288 Pensacola, Florida 32502
(904) 484-4100 • License No. 152
Engineer of Record Gregory S. Mann, P.E. #15831

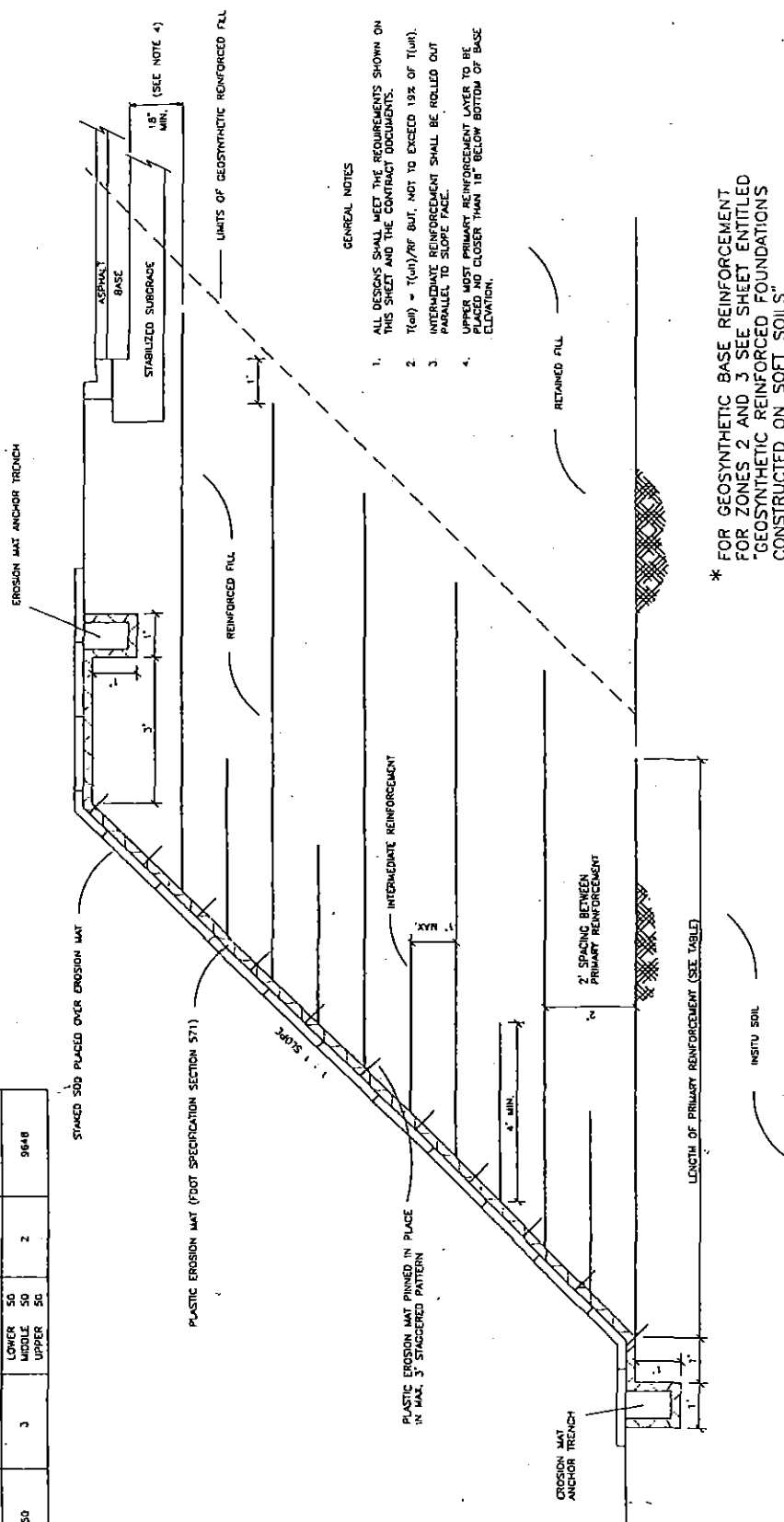
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
87	Santa Rosa	220442-J-52-01

TYPICAL SECTIONS

SHEET NO.

Applicant: FDOT
File: 2004-2643-JP-EDS
Date: January 27, 2006
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ZONE	STATION (FROM-TO)	TOTAL PRIMARY REINFORCEMENT LENGTH (ft)	MINIMUM REQUIRED NO. OF REINFORCEMENT LAYERS	INDIVIDUAL REINFORCEMENT LENGTHS (ft)	MAXIMUM SPACING (ft)	TOTAL REQUIRED REINFORCEMENT STRENGTH (lb/ft)
1	3239+50 TO 3243+00	39	3	LOWER 15 MIDDLE 12 UPPER 12	2	2758
2	3243+00 TO 3244+00 3247+50 TO 3249+50	98	3	LOWER 33 MIDDLE 32 UPPER 31	2	2739
3	3244+00 TO 3246+36	150	3	LOWER 50 MIDDLE 50 UPPER 50	2	9648



GENERAL NOTES

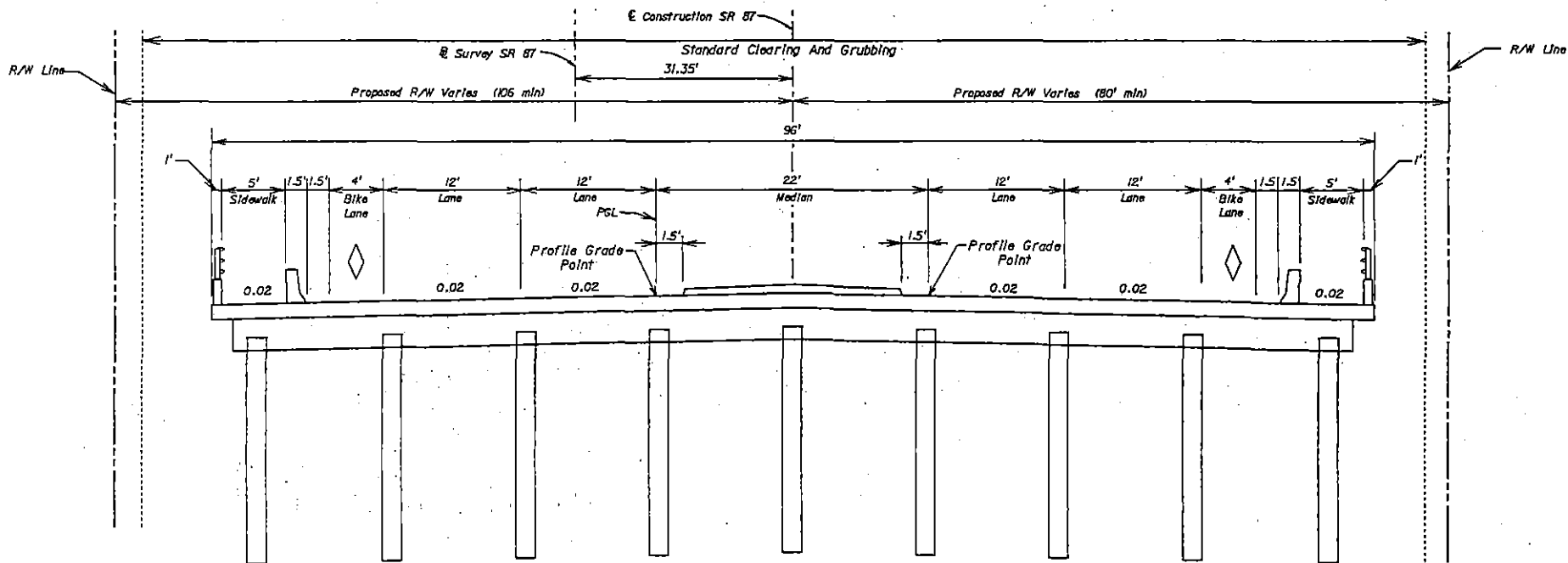
1. ALL DESIGNS SHALL MEET THE REQUIREMENTS SHOWN ON THIS SHEET AND THE CONTRACT DOCUMENTS.
2. $T(u) = T(u)/RF$ BUT, NOT TO EXCEED 195 OF $T(u)$.
3. INTERMEDIATE REINFORCEMENT SHALL BE ROLLED OUT PARALLEL TO SLOPE FACE.
4. UPPER MOST PRIMARY REINFORCEMENT LAYER TO BE PLACED NO CLOSER THAN 18" BELOW BOTTOM OF BASE ELEVATION.

* FOR GEOSYNTHETIC BASE REINFORCEMENT FOR ZONES 2 AND 3 SEE SHEET ENTITLED "GEOSYNTHETIC REINFORCED FOUNDATIONS CONSTRUCTED ON SOFT SOILS"

GEOSYNTHETIC REINFORCED SOIL SLOPES

11/6/04

REVISIONS Description Date By		ENGINEER'S RECORD DOUGLAS W. BAKER P.E. No. 49843 NODARSE & ASSOCIATES, INC. WINTER PARK, FLORIDA 32789		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY: SANTA ROSA ROAD NO.: 220442-3-52-01 S.D. 87		GEOSYNTHETIC REINFORCED SOIL SLOPES PROJECT NO.: STATE ROAD 87 - SEGMENT 3 FROM NORTH OF FIVE FORKS ROAD TO ECLIPSE AIR FORCE BASE SANTA ROSA COUNTY, FLORIDA NODARSE AND ASSOC. No. W00-G-088A		SHEET No. 17
---	--	--	--	---	--	--	--	------------------------



Typical Section No. 6
 Dean Creek Bridge
 Sta. 3246+36.00 To Sta. 3247+50.00

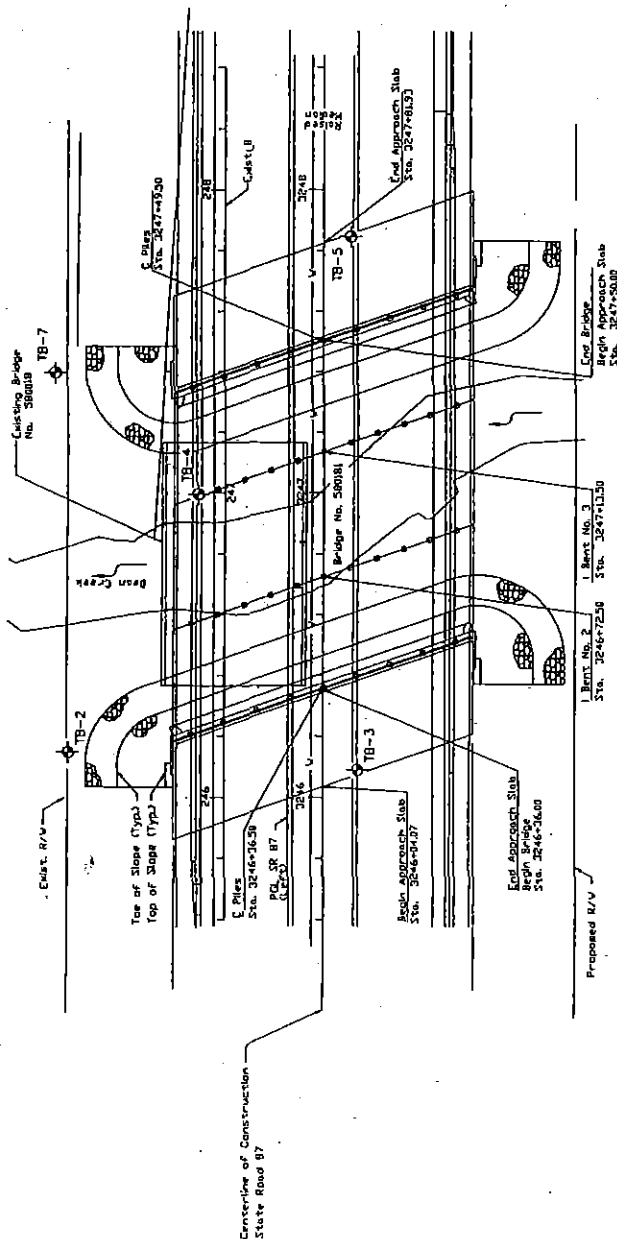
REVISIONS				DESCRIPTION	Hatch Mott MacDonald	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
BY	DATE	BY	DATE			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						87	Santa Rosa	220442-3-52-01	

TYPICAL SECTIONS

Handwritten signature and date: 1/27/06



HORIZONTAL SCALE IN FEET
0 10 20 40



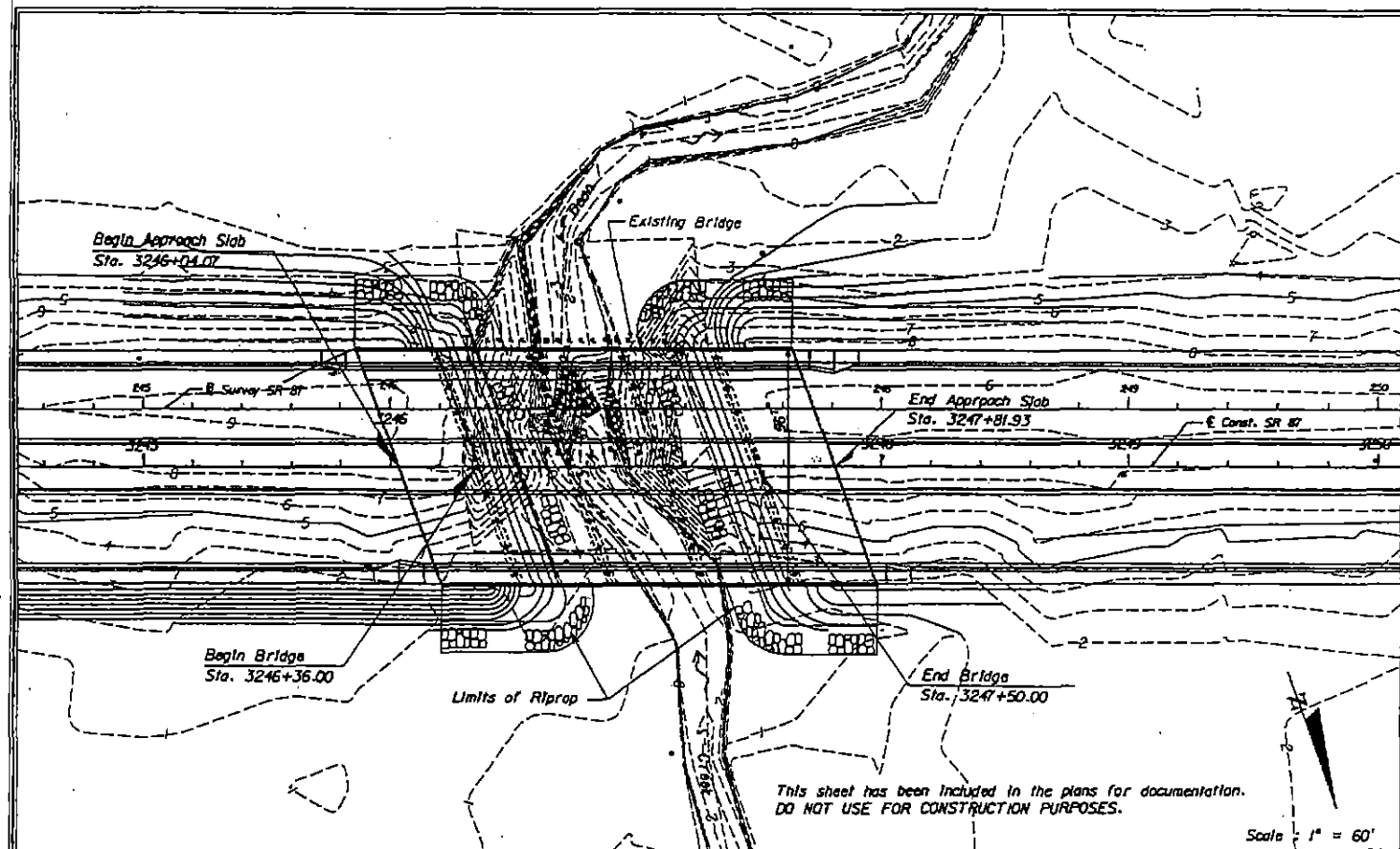
LEGEND

APPROXIMATE LOCATION OF STANDARD
PENETRATION TEST BORING

2006 11/16/04

BRIDGE No. 580181

REVISIONS				ENGINEER OF RECORD:		STATE OF FLORIDA		REPORT OF CORE BORINGS		SHEET
Description	Date	By	Amount	Drawn	Checked by	DOUGLAS W. BAKER, P.E.	DEPARTMENT OF TRANSPORTATION	PROJECT NAME	No.	
					1A	B-8-03				
					USF	B-8-03				
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					Checked by					
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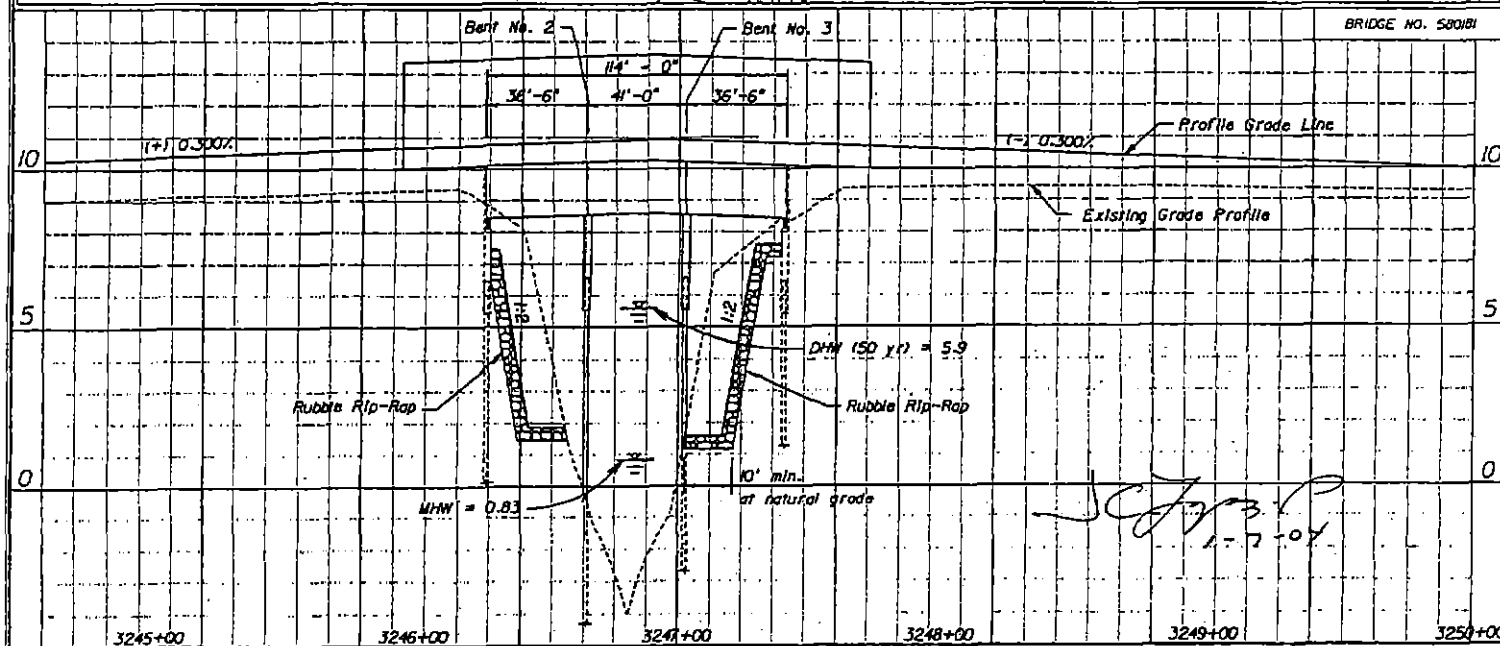
NUMBER
2

1. BEGIN
2. CLEAR
3. MINIMUM
4. ABUTME

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5. DECK DI

REMARKS:



REVISIONS

DESCRIPTION

FOR

HDR Engineering, Inc.
2222 N. West Street, Suite 200

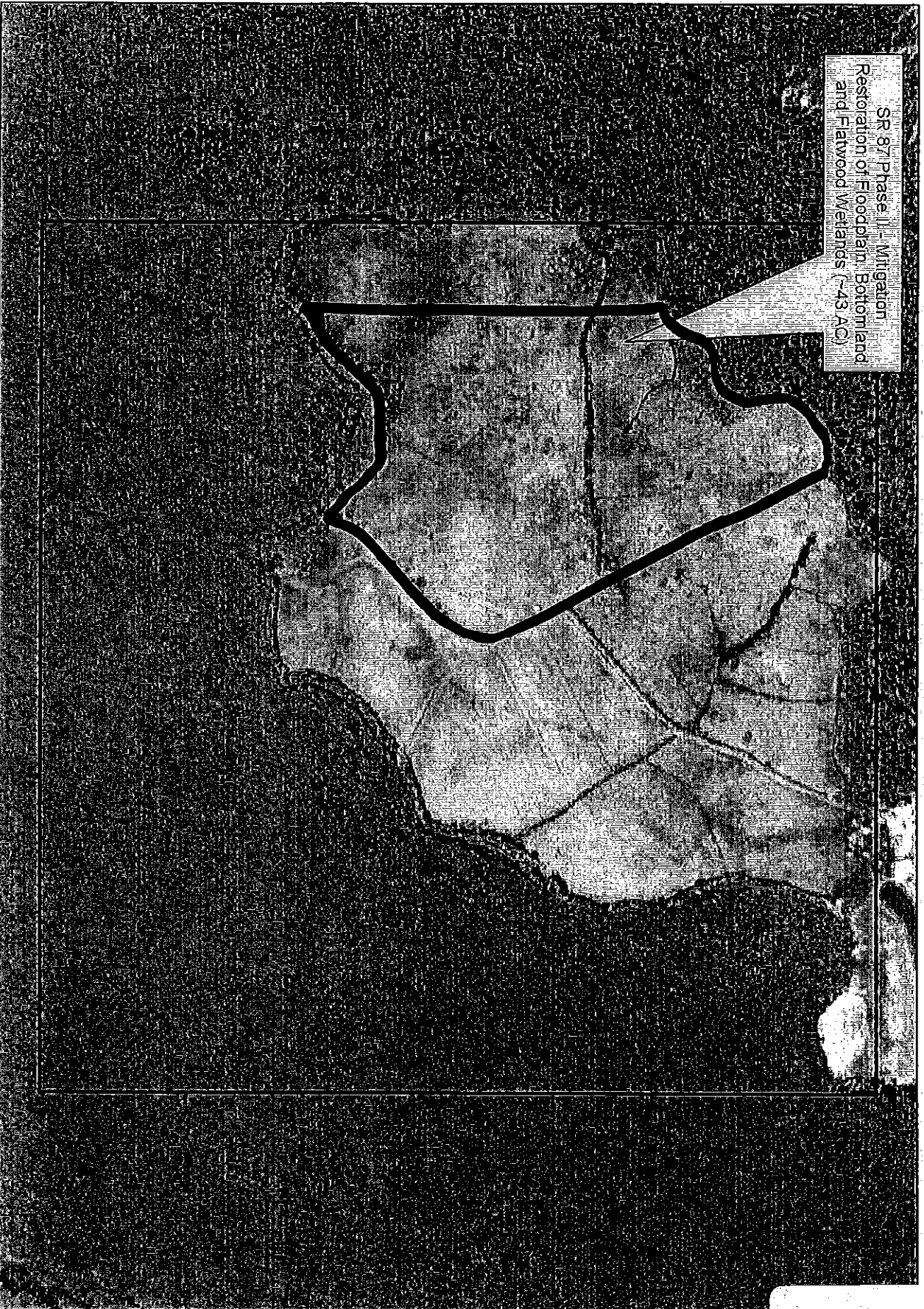
STATE OF FLORIDA

Yellow River Ranch (Escambia Co.) - Location Map

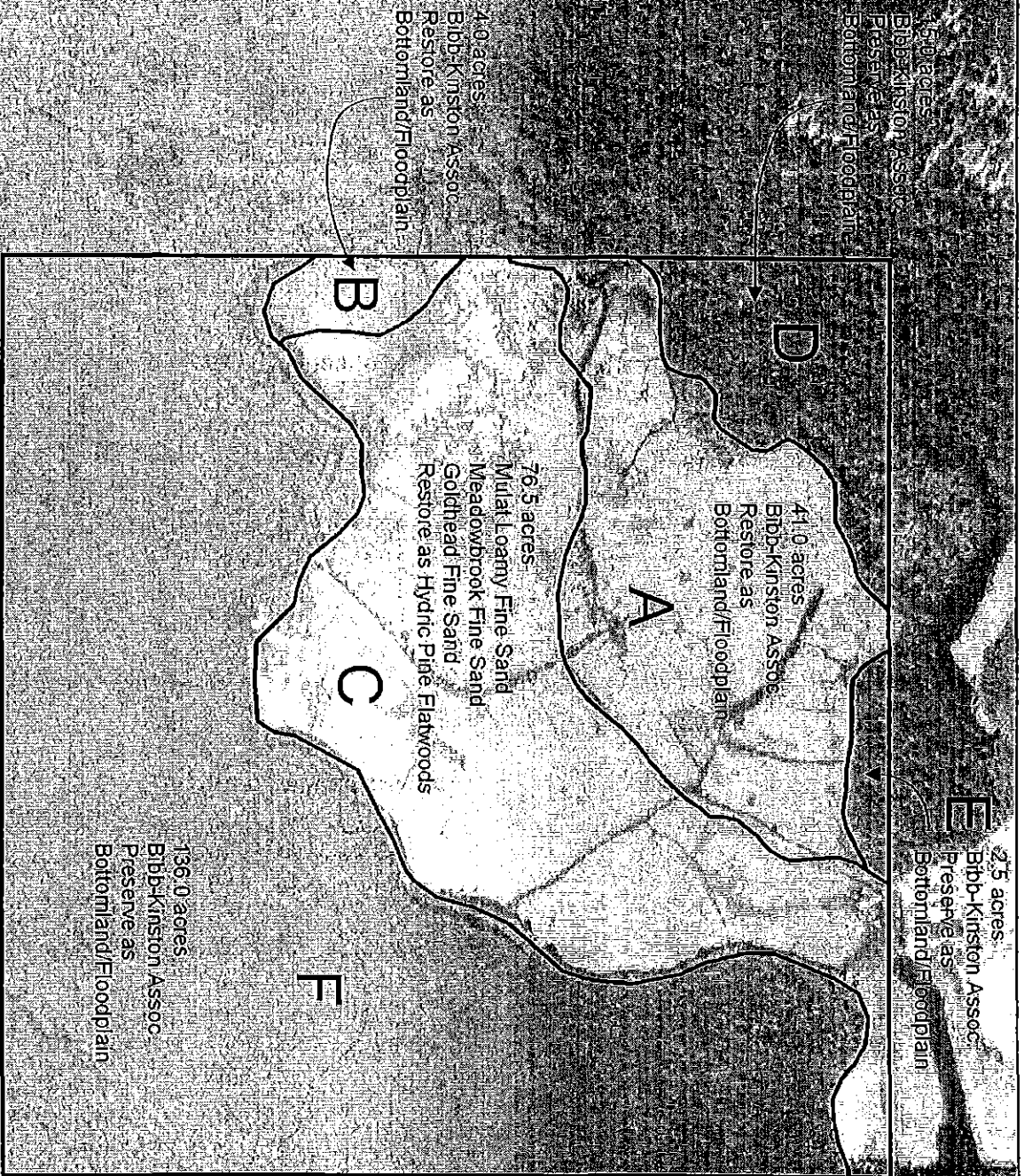


Proposed Mitigation for SR 87 - Phase II Impacts

SR 87 Phase II - Mitigation
Restoration of Floodplain, Bottomland
and Flatwood Wetlands (~43 AC)



Yellow River Ranch Mitigation



0 1,000 2,000 Feet



Yellow River Ranch

Success Criteria and Monitoring Plan December 6, 2005

Success Criteria:

- Exotic vegetation cover < 1% per acre.
- Nuisance native vegetation cover < 5% per acre.
- 80% survival of planted wetland vegetation.
- < 10% bare ground.

Annual Monitoring:

- Photo-documentation (permanent photo-points and along pedestrian survey meander paths).
- Pedestrian survey meander paths.

Long-term Management and Maintenance:

- Perpetual management for ecological integrity.
- Implementation of appropriate fire regime.
- Monitoring for nuisance / exotic plant species.
- Restriction of vehicular access.
- Cessation of cattle grazing.

**Planting Specifications for Yellow River Ranch Restoration
Polygon A & B**

Wetland Hardwood Forest

Scientific Name	Common Name	% of Planting Mix	Plant Spacing	Comments
<i>Chamaecyparis thyoides</i>	Atlantic White-Cedar	25	10' centers Total of 440 trees per acre	1 gallon pots
<i>Ilex decidua</i>	Possom haw	5	10' centers Total of 440 trees per acre	1 gallon pots
<i>Nyssa sylvatica</i>	Black Gum	20	10' centers Total of 440 trees per acre	1 gallon pots
<i>Quercus laurifolia</i>	Laurel Oak	10	10' centers 440 trees per acre	1 gallon pots
<i>Taxodium ascendens</i>	Cypress	30	10' centers Total of 440 trees per acre	1 gallon pots
<i>Ulmus americana</i>	American Elm	10	10' centers Total of 440 trees per acre	1 gallon pots

**Planting Specifications for Yellow River Ranch Restoration
Polygon C**

Hydric Pine Flatwoods

Scientific Name	Common Name	% of Planting Mix	Plant Spacing	Comments
<i>Pinus elliottii</i>	Slash Pine	80	30' centers Total of 110 trees per acre	1 gallon pots
<i>Taxodium ascendens</i>	Cypress	15	10' centers Total of 110 trees per acre	1 gallon pots
<i>Ilex myrtifolia</i>	Myrtle Leaf Holly	5	30' centers Total of 110 trees per acre	1 gallon pots
<i>Aristida stricta</i> <i>var. berichiana</i>	Wire grass	100 Understory	3-6' centers	Tubelings
<i>Variable</i>	Wet flatwood species	N/A	2-3 pounds per acre, up to 50 acres per year	Wet Pine Flatwood herbaceous species seed will be collected and then distributed over the site.

Applicant: The Florida Department of Transportation
File No.: 57-0169127-005-DF
Consolidated Wetland Resource Permit and Intent to Issue
Sovereignty Submerged Lands Authorization
State Road 87 Segment 3
Page 5 of 11

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. The permittee is hereby advised that Florida law states: "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Department of Environmental Protection under Chapter 253, until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use." Pursuant to Florida Administrative Code rule 18-14, if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.

2. 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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State Road 87 Segment 3
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3. At least 48 hours 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, Suite 202, Northwest District Office, 160 Governmental Center, Pensacola, Florida 32502-5799, in writing. The Department's telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 595-8300 during normal working hours.
4. If the approved permit drawings conflict with the specific conditions, then the specific conditions shall prevail.
5. A copy of this permit and attached drawings shall be posted within the project limits prior to starting construction and shall remain posted until the project is complete.
6. All material used as fill shall be clean sand/shell material and shall not be contaminated with vegetation, garbage, trash, tires, hazardous, toxic waste or other materials that are not suitable for construction within or adjacent to waters of the State as so determined by the Department.
7. There shall be no storage or stockpiling of tools or materials (i.e., lumber, pilings, equipment) within wetlands or elsewhere within waters of the state unless specifically approved in the permit.
8. All cleared vegetation, excess lumber, scrap wood, trash, garbage and any other type of construction debris shall be removed from wetlands/waters of the state within 14 days of completion of the work authorized in this permit.
9. All work shall be accomplished by staging either in the uplands or within the permitted impact footprint. Any damage to the soil outside of the permitted impact footprint shall be reported to the Department's Submerged Lands & Environmental Resources, Compliance and Enforcement Section at (850) 595-8300. Restoration may be required and shall be coordinated by the Department.
10. Activities authorized under this permit shall not commence until appropriate FDEP stormwater permits have been obtained for the project.
11. Mitigation for impacts to the 12.07-acres of wetlands will be through a previously approved regional mitigation agreement signed the Secretary of the FDEP, authorizing the disbursement funds to the Northwest Florida Water Management District (NFWFMD) for mitigation activities. The applicant is responsible for complying with the requirements of the agreement, which is attached and made a binding part of this permit.
12. After selection of the project CEI and/or the environmental scientist who will oversee the authorized activities and conduct the monitoring, and the construction contractor who will perform the authorized activities, and 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 Submerged Lands & Environmental Resources Program, Compliance and Enforcement Section, Suite 202; Northwest District Office, 160 Governmental Center, Pensacola, Florida 32502-5799, in writing to schedule a conference.

Applicant: The Florida Department of Transportation
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13. 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 the is permit. The 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.

14. 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, with the exception of the minimal clearing necessary to place appropriate erosion control devices, 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.

15. The permittee shall assign a qualified project CEI and/or environmental scientist(s), who is independent of the construction contractors, to be responsible for inspections of the erosion and turbidity control devices discussed in Specific Conditions # 13-14, for maintaining the flagging and signs described in Specific Condition #18, for overseeing turbidity monitoring, for keeping a 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 NTU's above natural background levels and vegetative stabilization is achieved on land. The inspection log shall note 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 #16), 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 Resources Program Compliance and Enforcement section at 160 Governmental Center, Pensacola, Florida 32502, at the end of every three months, beginning with three months after construction begins. The name, address, phone number, and qualifications of the project CEI and/or environmental scientist(s) shall be indicated in the construction commencement notice referred to in Specific Condition #3. Frequency of inspections and reporting as listed above: At least weekly and within 24 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.

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

Applicant: The Florida Department of Transportation
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Consolidated Wetland Resource Permit and Intent to Issue
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State Road 87 Segment 3
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Frequency: At least weekly and within 24 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.

17. 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 NTU's above natural background levels, the qualified project CEI and/or the environmental scientist who is responsible for turbidity control (see Specific Condition #15) 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 NTU's of the natural background levels.

18. 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 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. Before construction begins, the flagging shall be approved by the Northwest District Submerged Lands & Environmental Resources Program, Compliance and Enforcement Section. The flagging shall be maintained in a visible and legible state for the duration of construction activities in the area.

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

20. No lead-based paint shall be used on the bridge construction associated with this project. 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.

21. 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

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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 partially constructed stormwater ponds associated with this project.

22. 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/or 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 unauthorized impact.

23. This permit does not authorize any dewatering activities. The contractor 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 NTU's above natural background levels.

24. Mitigation shall be associated with the Regional Mitigation Plan pursuant to OGC #02-0073, which is attached and a binding part of this permit.

25. 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.

26. 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.

27. 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 and Environmental Resources Program Compliance and Enforcement section at 160 Governmental Center, Pensacola, Florida 32502.

28. Within 30 days of completion of construction, the permittee shall complete any initial littoral zone plantings associated with the project.

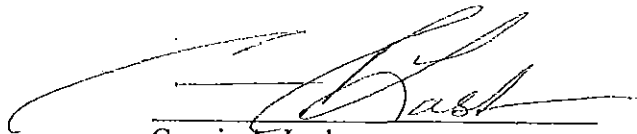
29. Not less than 90 days before the expiration of this permit, the permittee shall ensure that an application for a stormwater operating permit is submitted to the Department, using the forms, and accompanied by the appropriate fee, as prescribed by regulations in existence at that time.

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30. Portable toilet facilities shall be provided for all construction personnel and their usage encouraged. A contractor competent in repair and service shall maintain these facilities in operating condition. Under no circumstances is waste disposal on-site authorized.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Connie A. Lasher
Program Administrator
Submerged Lands & Environmental
Resources Program

encl: general conditions for authorizations
permit drawings
mitigation agreement

cc: U.S. Army Corps of Engineers – Pensacola Regulatory Office
Edith Green, Records Administration
HDR, Inc. – Pensacola
Hatch Mott MacDonald – Pensacola
Santa Rosa County Property Appraiser
FDEP Office of General Counsel (without enclosures)

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement 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, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (Please type)

Florida Registration Number

Company Name

Address

City State ZIP

(Affix Seal)

Date

Telephone Number

Deviations from the approved permit drawings and special conditions: (attach additional pages if necessary)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.