

Joint Application for Works in Waters of Florida

Dutex Tract Restoration

**Submitted by:
Northwest Florida Water Management District
(January 14, 2011)**

Joint Application for Works in Waters of Florida Dutex Tract Restoration

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Joint Application for Works in the Waters of Florida Form

Department of the Army (Corps/Florida Department of Environmental Protection (DEP)/
Water Management District (WMD)

Corps Application Number (official use only)	DEP Application Number (official use only)
Type or Print Legibly	
<p>1. Applicant's Name and Address</p> <p>Name <u>Northwest Florida Water Management District</u> Last Name, First Name (if individual); Corporate Name; Name of Govt. Agency</p> <p>Street <u>81 Water Management Drive</u></p> <p>City <u>Havana</u> State: <u>FL</u> Zip: <u>32333-4712</u></p> <p>Telephone <u>(850) 539-5999</u> (Day) <u>n/a</u> (Night)</p>	
<p>2. Name, Address, Zip Code, Telephone Number and Title of Applicant's Authorized Agent</p> <p>Name <u>Bartel, Ron (Director, Resource Management Division)</u> Last Name, First Name</p> <p>Corporate Name; Name of Govt. Agency <u>Northwest Florida Water Management District</u></p> <p>Street <u>81 Water Management Drive</u></p> <p>City <u>Havana</u> State <u>FL</u> Zip <u>32333-4712</u></p> <p>Telephone <u>(850) 539-5999</u> (Day) <u> </u> (Night)</p>	
<p>3. Name of Waterway at Work Site: <u>Eleven Mile Creek / Perdido Bay</u></p>	
<p>4. Street, Road or Other Location of Work <u>NWFWMD Lands (Dutex Tract) Southwest of Saufley Field NAS</u></p> <p>Incorporated City or Town <u>None</u></p> <p>Section <u>36</u> Township - <u>2S</u> Range <u>31W</u></p> <p>Section <u>41</u> Township - <u>1S</u> Range <u>31W</u></p> <p>County(ies) <u>Escambia</u></p> <p>Coordinates in Center of Project: Federal Projects Only: <u> </u> x <u> </u> y</p> <p>Latitude <u>30</u> ° <u>27</u> ' <u>36</u> " Longitude <u>87</u> ° <u>21</u> ' <u>28</u> "</p> <p>Lot <u> </u> Block <u> </u> Subd <u> </u> Plat Bk <u> </u> Pg <u> </u></p> <p>Directions to Locale/Site: <u>From Pensacola, head west on US 90. Left (west) onto Bellview Road. Left (south) onto Blue Angel Pkwy. Right (west) onto Saufley Pines Road. Left (south) onto Wyndotte Road. Principal access is at end of Wyndotte Road.</u></p>	
<p>5. Names, Addresses, and Zip Codes of Adjacent Property Owners Whose Property Also Adjoins the Water (Excluding Applicant). Show Numbers or Names of These Owners on Plan Views. If More Than Six (6) Owners Adjoin the Project, You May Be Required to Publish a Public Notice for the DEP.</p> <p>1. 2.</p> <p>3. 4. (See Attached)</p> <p>5. 6.</p>	

6. Proposed Use (Check one or more as applicable) Private: Single Family ☐ Multi-Family ☐
Public ☒ Commercial ☐ New Work ☐ Alteration of Existing Works ☐ Maintenance ☐ Other (Explain):

7. Desired Permit Duration (see Fee Schedule): 5 Yr. ☒ 10 Yr ☐ Other (Specify)

8. General Permit or Exemption Requested:

DEP General Permit FAC Rule 17-312. DEP Exemption FAC Rule 17-312. Section 403. FS.

9. Total Extent of Work in Jurisdictional Open Waters or Wetlands: (Use additional sheets and provide complete breakdown of each category if more space is needed.)

a. Within Corps Jurisdiction:

Fill: 2765 Sq. Ft. 0.07 Acres 161 Cu. Yds.

Excavation: 6585 Sq. Ft. 0.15 Acres 472 Cu. Yds.

b. Within DEP Jurisdiction:

Fill: x Sq. Ft. x Acres x Cu. Yds.

Excavation: x Sq. Ft. x Acres x Cu. Yds.

Excavation Waterward of MHW 0 cu. yds (information needed for DEP)

c. DEP Jurisdictional Area Severed (Area Landward of Fill Structures which will be Severed):

0 Sq. Ft. 0 Acres

d. DEP Jurisdictional Area Created (New Excavation from Uplands, Exclusive of Mitigation):

0 Sq. Ft. 0 Acres

e. Docks, Piers, and Over Water Structures:

Total Number of Slips: Total Number of Mooring Pilings:

Length Width Height above MHW

Length Width Height above MHW

Number of Finger Piers Length Width Height

Number of Finger Piers Length Width Height

Total area of structure over waters & wetlands sq. ft.

Use of structure

Will the docking facility provide:

Live-aboard Slips – No

Fueling Facilities – No

Sewage Pump-out Facilities – No

Other Supplies or Services Required for Boating – None
(Excluding refreshments, bait and tackle)

f. Seawall length: ft. Seawall material:

Riprap revetment length: ft. Slope H: V: Toe width

Riprap at toe of seawall length ft. Slope H: V: Toe width

Size of riprap:

Type of riprap or seawall material:

g. Other (See item 10).

10. Description of Work (be specific; use additional sheets as necessary).

(See attached Project Description)

11. Turbidity, Erosion, and Sedimentation Controls Proposed:

(See attached Turbidity, Erosion, and Sediment Control Measures)

12. Date Activity is Proposed to Commence: 2011 to be Completed: 2011
Total Time Required to Construct: 6 months, depending on weather and site conditions

13. Previous Applications for this Project have been: no previous applications DEP No.: Corps No.:

A. Denied (date):

B. issued (date):

C Other (please explain):

Differentiate between existing work and proposed work on the drawings.

14. Certification. Application is hereby made for a permit or permits to authorize the activities described herein.

A. I Certify That: (Please check appropriate space)

1. I am the record owner ☒; lessee ☐, or the record easement holder ☐ of the property on which the proposed project is to be undertaken, as described in the attached legal document.

2. I am not ☐ the record owner, lessee or record easement holder of the property on which the proposed project is to be undertaken, as described in the attached legal document, but I will have, before undertaking the proposed work the requisite property interest. (Please explain what the interest will be and how it will be acquired.)

Attach legal description of property or copy of deed to the property on which project is to occur (must be provided).

B. I understand I may have to provide any additional information/data that may be necessary to provide reasonable assurance or evidence that the proposed project will comply with the applicable State Water Quality Standards or other environmental standards both before construction and after the project is completed.

C. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of inspecting the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

D. This is a Joint Application and is not a Joint Permit. I hereby acknowledge the obligation and responsibility for obtaining all of the required state federal or local permits before commencement of construction. I also understand that before commencement of this proposed project, I must be granted separate permits or authorizations from the U.S. Corps of Engineers, the U.S. Coast Guard, the Department of Environmental Protection and the Delegated Water Management District (where applicable), as necessary.

E. I am familiar with the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete and accurate, I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant. I understand that knowingly making any false statement or representation in this application is a violation of Section 403.161, ES. and Chapter 837, FS.

_____ Typed/Printed Name of Applicant or Agent	_____ Signature of Applicant or Agent	_____ Date
_____ (Corporate Title if applicable)		

AN AGENT MAY SIGN ABOVE IF APPLICANT COMPLETES THE FOLLOWING:

I hereby designate and authorize the agent listed above to act on *my* behalf as my agent in the processing of this permit application and to furnish on request, supplemental information in support of the application.

_____ Typed/Printed Name of Applicant	_____ Signature of Applicant	_____ Date
_____ (Corporate Title if applicable)		

15. For your Information: Section 370.034, Florida Statutes, requires that all dredge and fill equipment owned, used, leased, rented or operated in the state shall be registered with the Department of Natural Resources. Before selecting your contractor or equipment you may wish to determine if this requirement has been met. For further information, contact the Chief of the Bureau of Saltwater Licenses and Permits, Department of Natural Resources, 3900 Commonwealth Blvd, Tallahassee- Florida 32399. Telephone No. (904) 487-3122. This Is not a requirement for a permit from the Department of Environmental Regulation.

18 U.S.C. Section 1001 provides that, Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

16. Please submit this completed form, with attached drawings and the complete DEP processing fee to the appropriate DEP or Delegated WMD office with jurisdiction over the project site.

Project Description

Introduction

In 2009, the Northwest Florida Water Management District (NFWFMD) acquired the 809.85-acre± Dutex Tract for use as mitigation for wetland impacts associated with current and anticipated future Florida Department of Transportation (FDOT) projects. Approximately 95% of this site consists of jurisdictional wetlands. An effluent canal emanating from Saufley Field Naval Air Station divides the Dutex Tract into an eastern part (~335 acres) and a western part (~475 acres).

A variety of factors have degraded the ecological integrity of the wetlands located on the Dutex Tract including historic suppression of fire, encroachment of nuisance/exotic plant species, beaver activity including extensive damming in the northwest portion of the site, and a dirt road and associated ditch that trends northwest to southeast across the western tract. To enhance and restore degraded wetlands found on this property, the NFWFMD intends to use techniques that include, yet are not limited to, mechanical reduction of thick titi/shrub layers (i.e., Gyro-track), reintroduction of prescribed fire, management of nuisance/exotic plant species, thinning of pine, and hydrologic enhancements including control of beaver populations, beaver dam removal, and installation of low-water-crossings and culverts. Details of existing and target site conditions are described in the mitigation plan found in the appendix of this document (“Dutex Property, Umbrella Regional Mitigation Plans for Florida Department of Transportation Projects, Conceptual Mitigation Plan, Escambia County, Florida”, 6/24/2010, prepared by Entrix, Inc. for NFWFMD).

This Joint Application is for construction of six hardened low-water-crossings, installation of culverts at three locations, and the breaching / removal of 1,250 feet of a road and associated beaver dam that is artificially impounding water in the northwest portion of the site.

Hydrologic Restoration and Enhancement

The six (6) low-water-crossings (LWCs) will reconnect and restore hydrologic connectivity among wetlands, primarily hydric pine flatwoods and savanna (see Figures 8 – 11). Each LWC site is located in a low-energy hydraulic environment, will not be subject to significant scour potential, and will typically only contain water under wet weather conditions. Existing road fill at each LWC site will be excavated to natural grade (plus approaches at a maximum 4% grade), a geotextile woven fabric (conforming to FDOT Design Standards, Index 199, Class D-1 or D2) lain down with a minimum fabric overlap of 2 ft., and covered with a 12 inch thick coarse aggregate base consisting of limestone or granite 2-6 inches in diameter ($D_{50} = 4$ inches). A 12 inch thick rock apron consisting of 6-10 inch diameter material ($D_{50} = 8$ inches) will be placed on each side of the LWC. Road fill excavated from LWC construction will be disposed by spreading it on the existing management access road; it will not be placed into any wetland areas or upland areas in a natural

state.

Culverts will be placed in three (3) locations (see Figures 8-11) as part of maintaining management access. These culverts will be placed in existing ditches, covered with fill material, and will allow equipment access necessary for LWC construction, Gyro-track work, prescribed fire, etc. At each culvert site, a geotextile apron will be anchored on the top of the bank and the toe of the slope. Culverts will be set on a layer of compacted, clean bedding material (minimum 4 inches thick beneath bottom of each culvert), and covered with compacted, clean road-fill material to a minimum of 1 ½ feet above the top of each culvert. Two 30 inch diameter culverts will be used at both Site #1 and Site #2, whereas three 30 inch diameter culverts will be used at Site #3.

The majority of a 1,250-foot section of a relict dirt road, now in extremely poor condition with a beaver dam covering most of its length, (see Figures 8-11) will be eliminated by multiple breaches and removal. Material from removal of the road and beaver dam will be disposed by spreading it into a relict ditch adjacent to the dam. Road sections with large, mature trees growing in the road footprint will be left intact.

Cut and fill estimates are in Table 1. Low-water-crossing dimensions are in Table 2. Figures 1-4 show engineering drawings of the proposed low-water-crossings. Figures 5-6 show engineering drawings of the proposed culverts. A location map of the Dutex Tract is shown in Figure 7. A 2007 DOQ, with the locations of proposed low-water-crossings, culvert locations, and road removal is shown in Figure 8. LiDAR imagery of the site is shown in Figure 9. LiDAR with USGS quad sheet topography overlain is shown in Figure 10. Figure 11 shows the location of the proposed hydrologic improvements and post-restoration drainage patterns. Adjacent landowners are shown in Figure 12.

Construction Schedule

Construction activities are scheduled to begin in 2011 and are anticipated to be completed prior to 2012, depending on weather and site conditions. Construction will be performed primarily during dry weather and will be temporarily suspended during periods of heavy rainfall or high water levels. All applicable Best Management Practices (BMPs), including silt fences, will be implemented during all construction phases. Grading and excavation activities are anticipated to be performed using heavy equipment such as backhoes and small bulldozers or excavators. A description of the turbidity, sediment and erosion control measures follows.

Turbidity, Sediment and Erosion Control Measures

Best Management Practices (BMPs) for turbidity, sedimentation and erosion control will be implemented and maintained at all times during construction to prevent siltation and turbid discharges into waters of the state. Silt and sedimentation control measures will be installed and properly maintained at all points where runoff from disturbed areas could result in water quality violations of Chapter 62-302, F.A.C.

1. Staging of Construction Activities

The excavation and moving of soil materials will be scheduled in stages to minimize the size of areas disturbed and unprotected from erosion for the shortest reasonable time.

2. Protection of Desirable Vegetation

Stockpiling, vehicular parking and excessive foot or vehicular traffic will not be allowed within wetland areas. Material storage, fueling and servicing equipment, undertaking equipment maintenance, and cleaning will not be performed in or immediately adjacent to wetland areas. Erosion and sediment controls, such as silt fences, may be needed around the perimeter of stockpiles to prevent the transportation of soils from the area.

3. Best Management Practices

Erosion control measures which will minimize impacts to wetlands and wetland vegetation will be used during construction activities. This can be accomplished by the use of floating turbidity barriers, floating silt screen/curtains, sediment basins, earthen berms, and straw, geotextile or similar bale or log barriers which are free of exotic or noxious weed species. The use of staked silt fences is not recommended except to contain stockpiles in areas such as roadbeds that are outside wetland areas.

Erosion controls where flowing water may be present, such as low water crossings, will require best management practices appropriate for the field conditions. Straw or similar bales or logs may not be appropriate where flowing water is present. Floating turbidity barriers or silt screen/curtains and temporary earthen berms are best management practices that may be used to prevent the transport of sediment in ditches, streams, and wetland waterways.

4. Stabilization of Disturbed Areas

Prompt stabilization of all disturbed areas will be undertaken during and after completion of the project. All disturbed areas will be stabilized within two weeks of disturbance. Suitable methods for stabilization are grading, establishment of a vegetative cover by mulching and/or seeding, and the use of geo-textiles. When seeding and mulching, Brown Top Millet seed (free of exotic or noxious weed species) will be applied to disturbed areas and covered with approximately one (1) inch thick organic mulch of wheat straw (free of exotic or noxious weed species). Steep slopes are more susceptible to erosion than flatter slopes, so temporary mulching and quick establishment of vegetation are extremely important. Jute mats, or similar devices, may be used on steep slopes until the vegetation has become established to prevent erosion.

5. Suspension of Work During Inclement Weather

Construction will be carried out during dry weather conditions to the extent practical and erosion and sedimentation control measures will be implemented. Excavations and other construction activities will be suspended during periods of inclement weather or high water levels if there is potential for environmental damage.

6. Inspection and Maintenance of Erosion and Sedimentation Control

Routine inspection and maintenance of erosion and sedimentation control features will be provided until the project is complete. Barriers will be regularly maintained to insure their effectiveness. Sediments will be cleaned out periodically and before major predicted rainfall events.

7. Removal of Sediment and Erosion Control Measures

Any temporary measure of erosion control, whether temporary sediment basin, silt fence, straw bales, or other measures, will be removed following the successful establishment of vegetation.

Table 1. Fill and Excavation Estimates

Structure Type	Wetland Fill				Wetland Excavation			
	Total Fill Area (ft ²)	Total Fill Area (ac)	Total Fill Volume (ft ³)	Total Fill Volume (CY)	Total Excavated Area (ft ²)	Total Excavated Area (ac)	Total Excavated Volume (ft ³)	Total Excavated Volume (CY)
Low water crossings	2405	0.06	2405	89	6585	0.15	12738	472
Beaver Dam Removal	24000	0.55	72000	2667	0	0.00	0	0
Culverts	360	0.01	1940	72	0	0.00	0	0
TOTALS	26765	0.62	76345	2828	6585	0.15	12738	472

Structure Type	Non-wetland Fill				Non-wetland Excavation			
	Total Fill Area (ft ²)	Total Fill Area (ac)	Total Fill Volume (ft ³)	Total Fill Volume (CY)	Total Excavated Area (ft ²)	Total Excavated Area (ac)	Total Excavated Volume (ft ³)	Total Excavated Volume (CY)
Low water crossings	4600	0.11	4600	170	4600	0.11	4600	170
Beaver Dam Removal	0	0.00	0	0	24000	0.55	72000	2667
Culverts	0	0.00	0	0	0	0	0	0
TOTALS	4600	0.11	4600	170	28600	0.66	76600	2837

Table 2. Low-Water-Crossing Locations and Approximate Dimensions

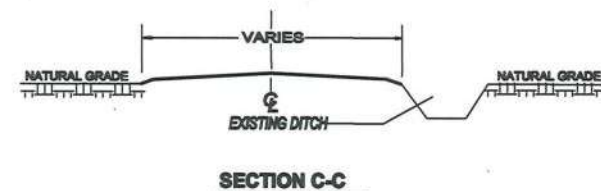
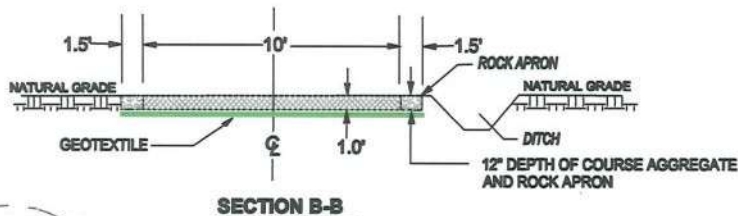
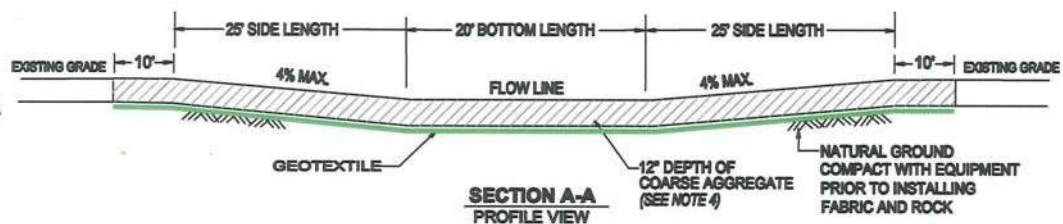
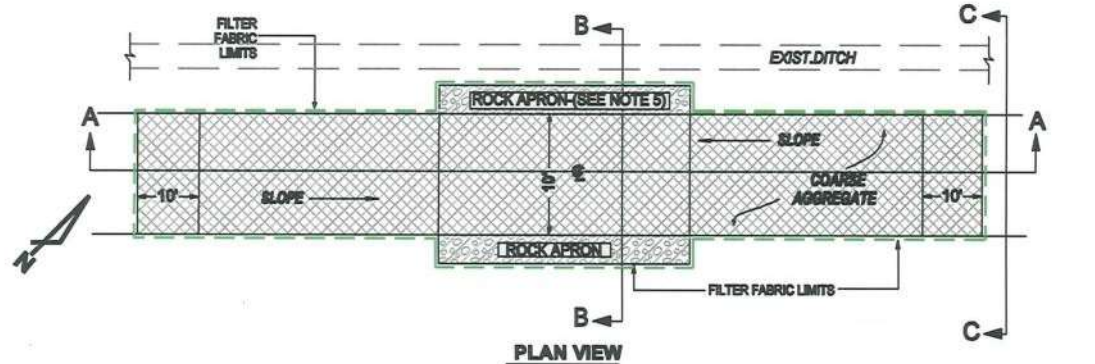
Map ID	Lat	Long	Total Crossing Length (ft)	Min. Length of Each Side (4% slope) (ft)	Bottom Length (ft)	Length of Two 10-ft Tie-ins (ft)	Road Width (ft)
1	30.4646	-87.3598	90	25	20	20	10
2	30.4634	-87.3598	95	25	25	20	10
3	30.4627	-87.3597	95	25	25	20	10
4	30.4602	-87.3593	135	35	45	20	10
5	30.4599	-87.3592	95	25	25	20	10
6	30.4582	-87.3582	135	35	45	20	10

Table 3. Culvert Locations

Map ID	Lat	Long
1	30.4654	-87.3591
2	30.4652	-87.3593
3	30.4639	-87.3603

NOTES:

1. GEOTEXTILE SHALL BE A WOVEN FABRIC FOR STABILIZATION THAT CONFORMS TO FDOT DESIGN STANDARDS, INDEX 199, CLASS D-1 OR D-2.
2. MINIMUM FABRIC OVERLAP SHALL BE 2 FT. ON EACH EDGE. ROCK SHALL BE PLACED ON LAP PRIOR TO PLACING ROCK ON SINGLE LAYERS OF FABRIC TO PREVENT LATERAL MOVEMENT.
3. LIMEROCK SHALL BE TRUCK DUMPED AND MACHINE SPREAD OVER THE FABRIC FOLLOWING PLACEMENT OF FABRIC.
4. COARSE AGGREGATE BASE SHALL BE 12" THICK AND CONSIST OF LIMESTONE OR GRANITE, 2 to 6 INCHES IN DIAMETER, ($D_{50} = 4$ INCHES), WITH A MAXIMUM L.A. ABRASION LOSS OF 35%.
5. ROCK APRON SHALL CONSIST OF BEDDING STONE, RUBBLE OR COBBLES IN THE RANGE OF 6"-10" WITH A D_{50} OF 8 INCHES AND MAXIMUM L.A. ABRASION LOSS OF 35%. THE THICKNESS OF THE ROCK APRON SHALL BE A MINIMUM OF 12 INCHES.
6. ALL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.



HARDENED LOW WATER CROSSING #1 DETAIL

Lisa D. Chalmers SIGNED
 1/13/11 DATE
 51357 LICENSE NO.

**DUTEX TRACT
 HYDROLOGIC RESTORATION**

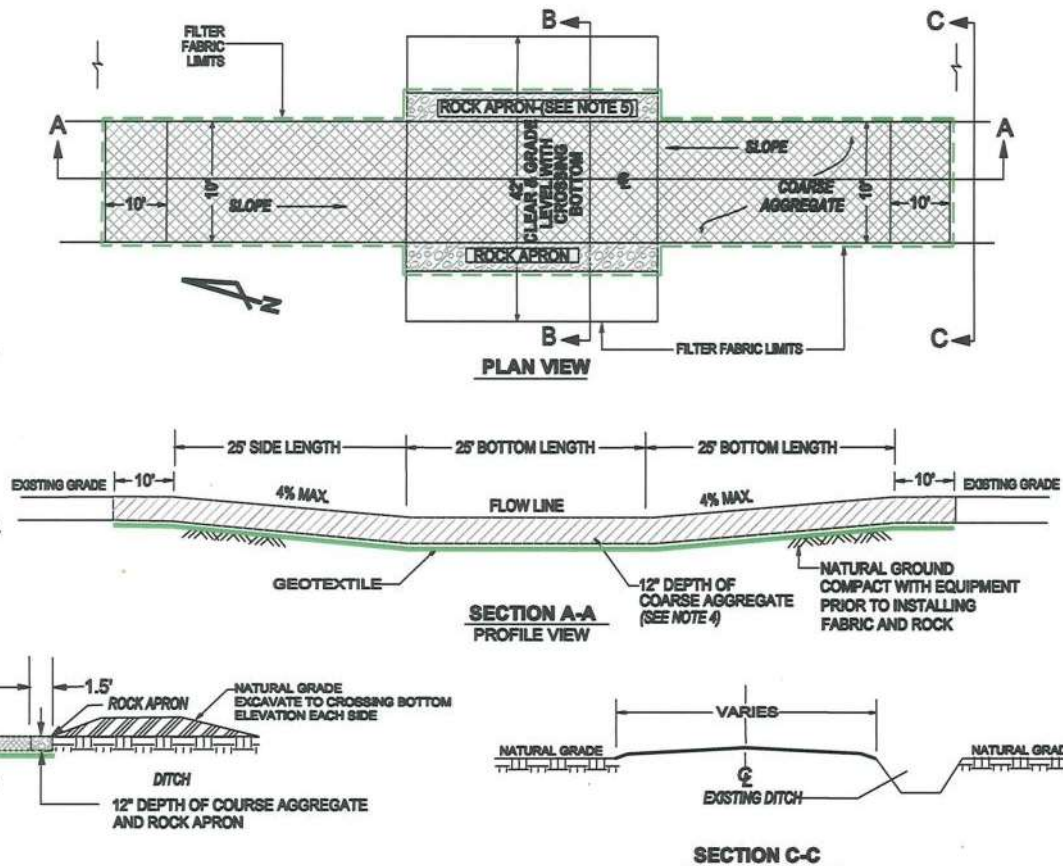
DATE : JUNE 2010 NOT TO SCALE
 PROJECT: 55-5 SHEET 1 OF 5

**Northwest Florida Water
 Management District**
 81 Water Management Drive
 Havana, FL 32333-4712
 (850) 539-5999
 www.nwfwmd.state.fl.us

Figure 1. Low-Water-Crossing #1

NOTES:

1. GEOTEXTILE SHALL BE A WOVEN FABRIC FOR STABILIZATION THAT CONFORMS TO FDOT DESIGN STANDARDS, INDEX 199, CLASS D-1 OR D-2.
2. MINIMUM FABRIC OVERLAP SHALL BE 2 FT. ON EACH EDGE. ROCK SHALL BE PLACED ON LAP PRIOR TO PLACING ROCK ON SINGLE LAYERS OF FABRIC TO PREVENT LATERAL MOVEMENT.
3. LIMEROCK SHALL BE TRUCK DUMPED AND MACHINE SPREAD OVER THE FABRIC FOLLOWING PLACEMENT OF FABRIC.
4. COARSE AGGREGATE BASE SHALL BE 12" THICK AND CONSIST OF LIMESTONE OR GRANITE, 2 to 6 INCHES IN DIAMETER, ($D_{50} = 4$ INCHES), WITH A MAXIMUM L. A. ABRASION LOSS OF 35%.
5. ROCK APRON SHALL CONSIST OF BEDDING STONE, RUBBLE OR COBBLES IN THE RANGE OF 6"-10" WITH A D_{50} OF 8 INCHES AND MAXIMUM L.A. ABRASION LOSS OF 35%. THE THICKNESS OF THE ROCK APRON SHALL BE A MINIMUM OF 12 INCHES.
6. ALL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.



HARDENED LOW WATER CROSSINGS #2 & #3 DETAIL

L. D. Channing SIGNED
5/13/11 DATE
51357 LICENSE NO.

**DUTEX TRACT
HYDROLOGIC RESTORATION**

DATE : JUNE 2010 NOT TO SCALE
PROJECT: 55-5 SHEET 1 OF 5

**Northwest Florida Water
Management District**
81 Water Management Drive
Havana, FL 32333-4712
(850) 539-5999
www.nwfwmd.state.fl.us

Figure 2. Low-Water-Crossing #2 & #3

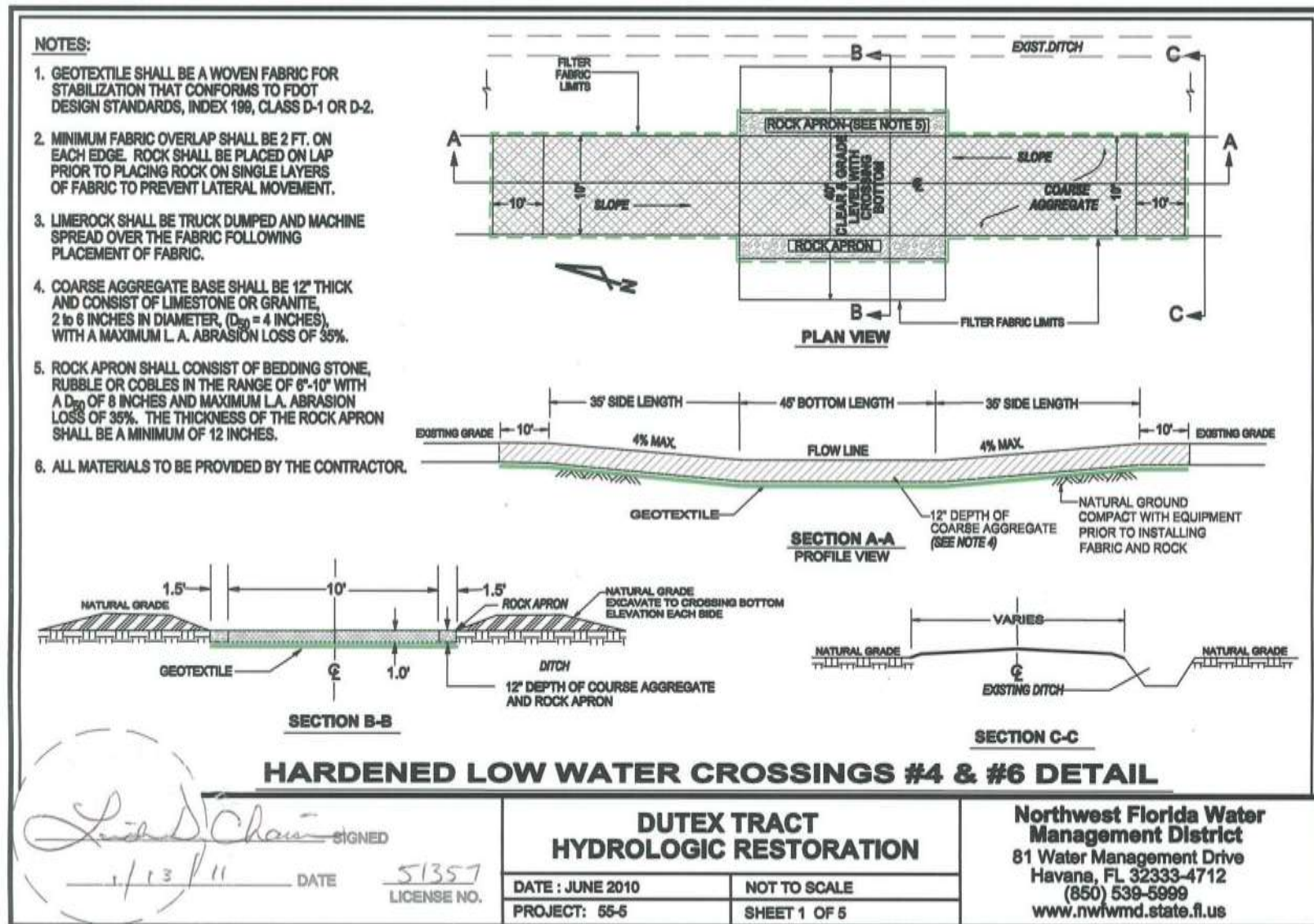


Figure 3. Low-Water-Crossing #4 & #6

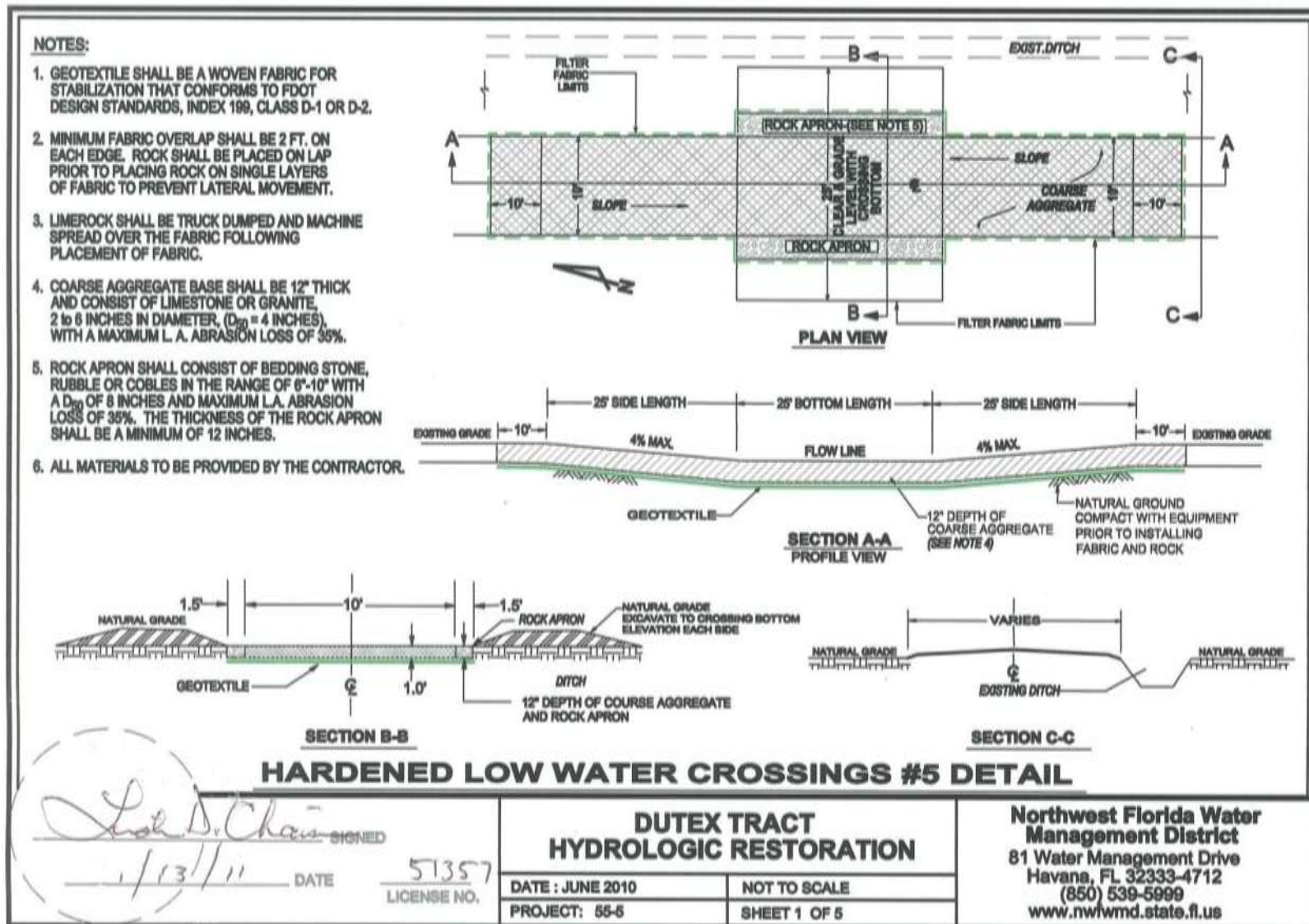


Figure 4. Low-Water-Crossing #5

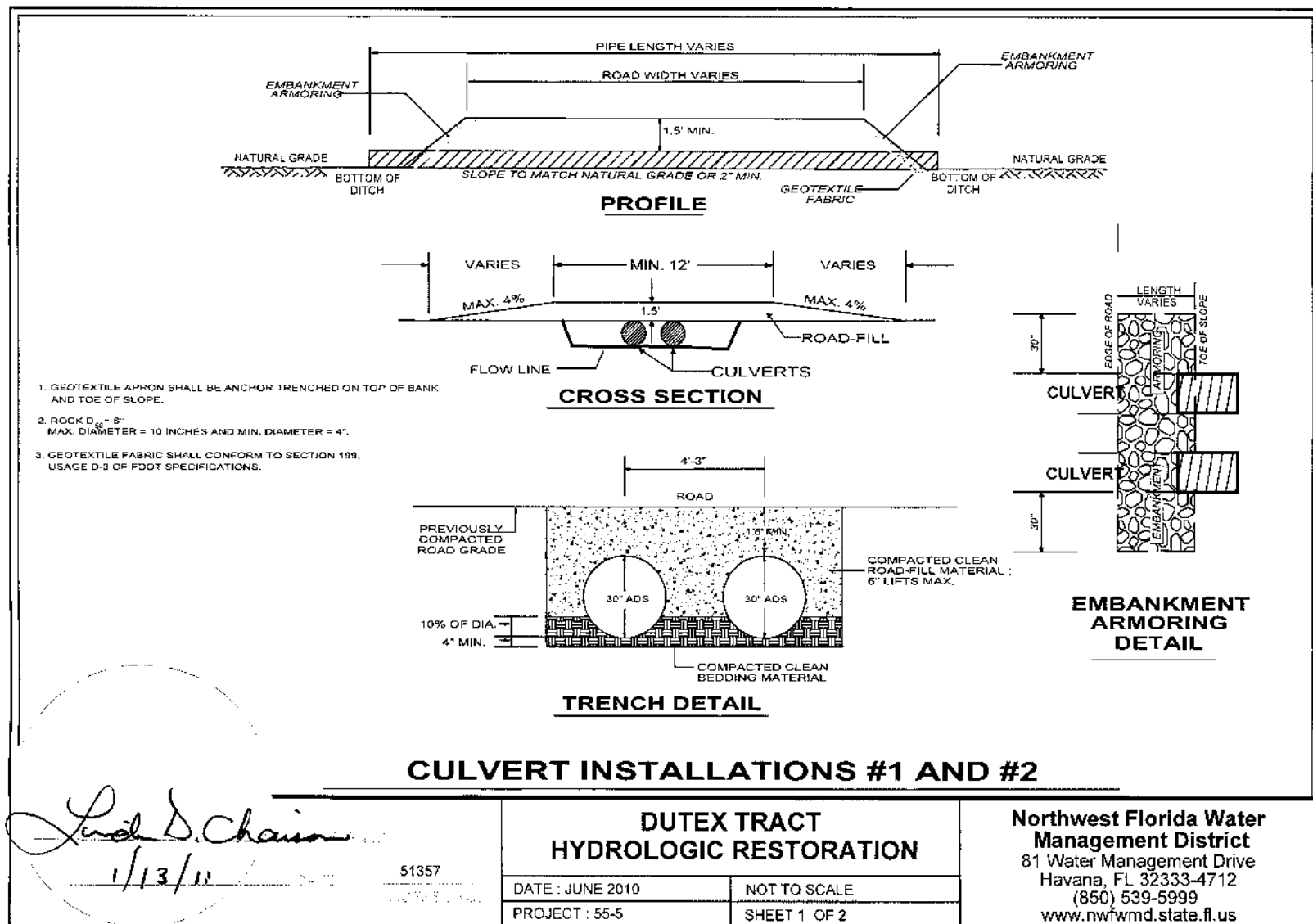


Figure 5. Culvert Installation #1 & #2

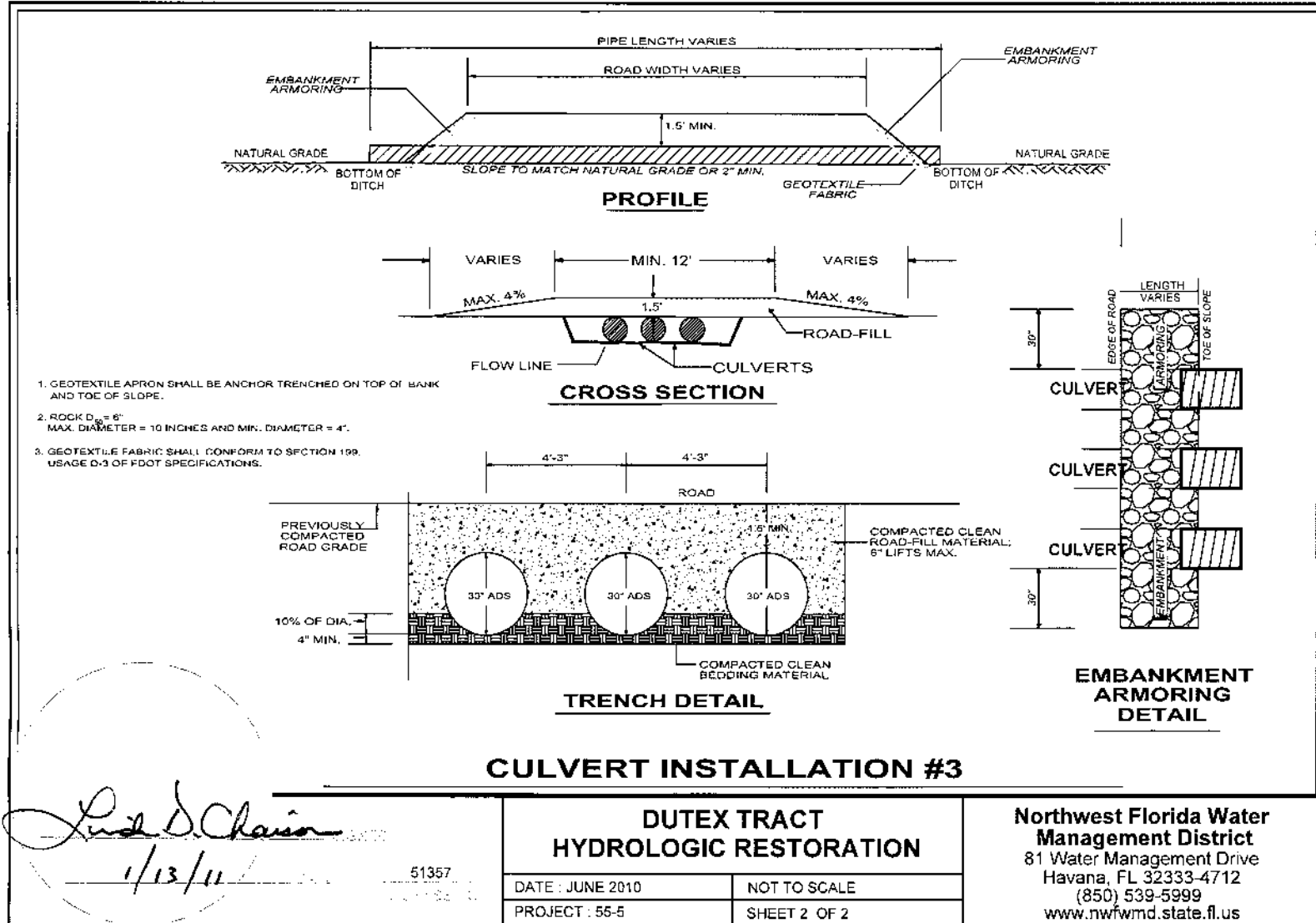


Figure 6. Culvert Installation #3

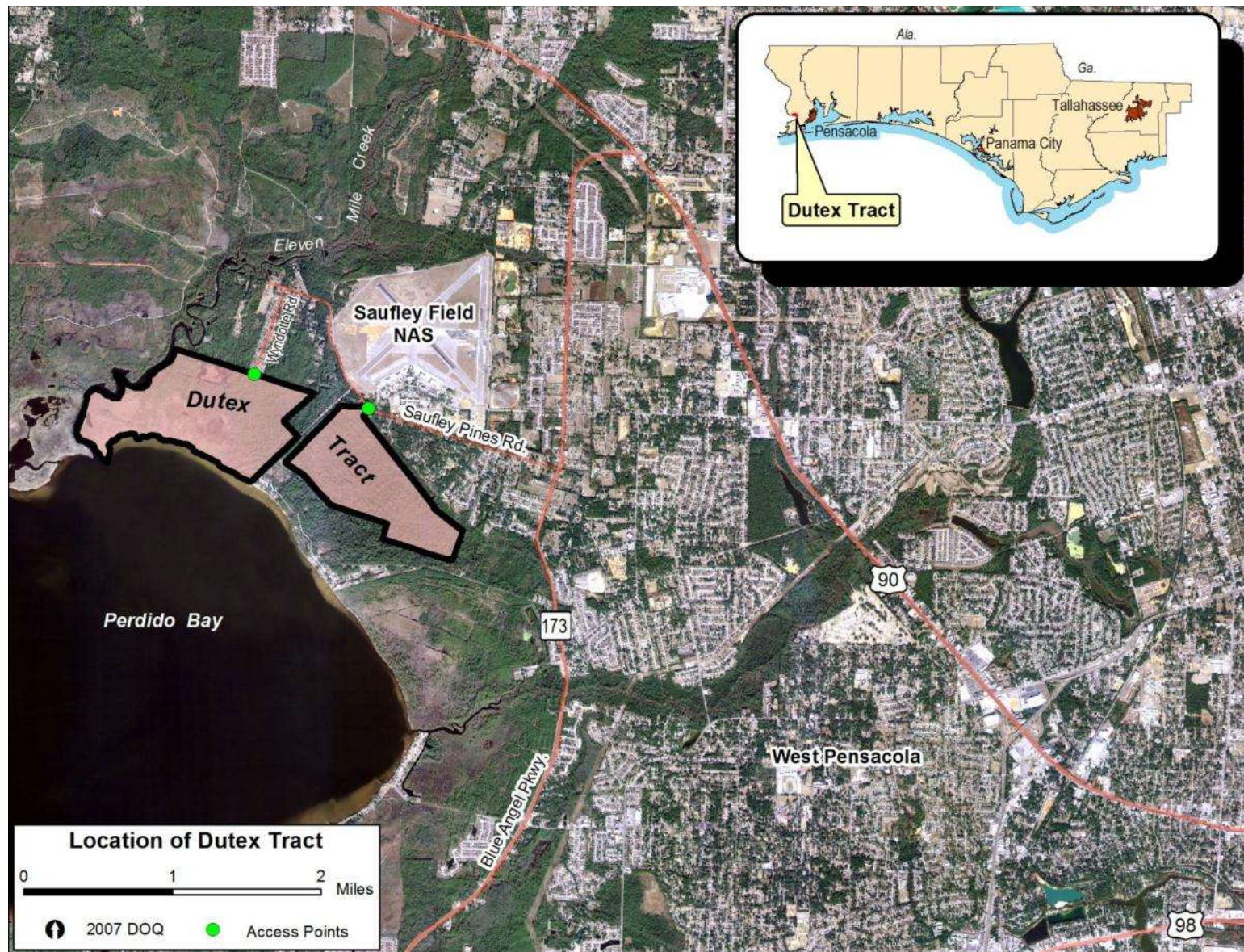


Figure 7. Location Map of Dutex Tract

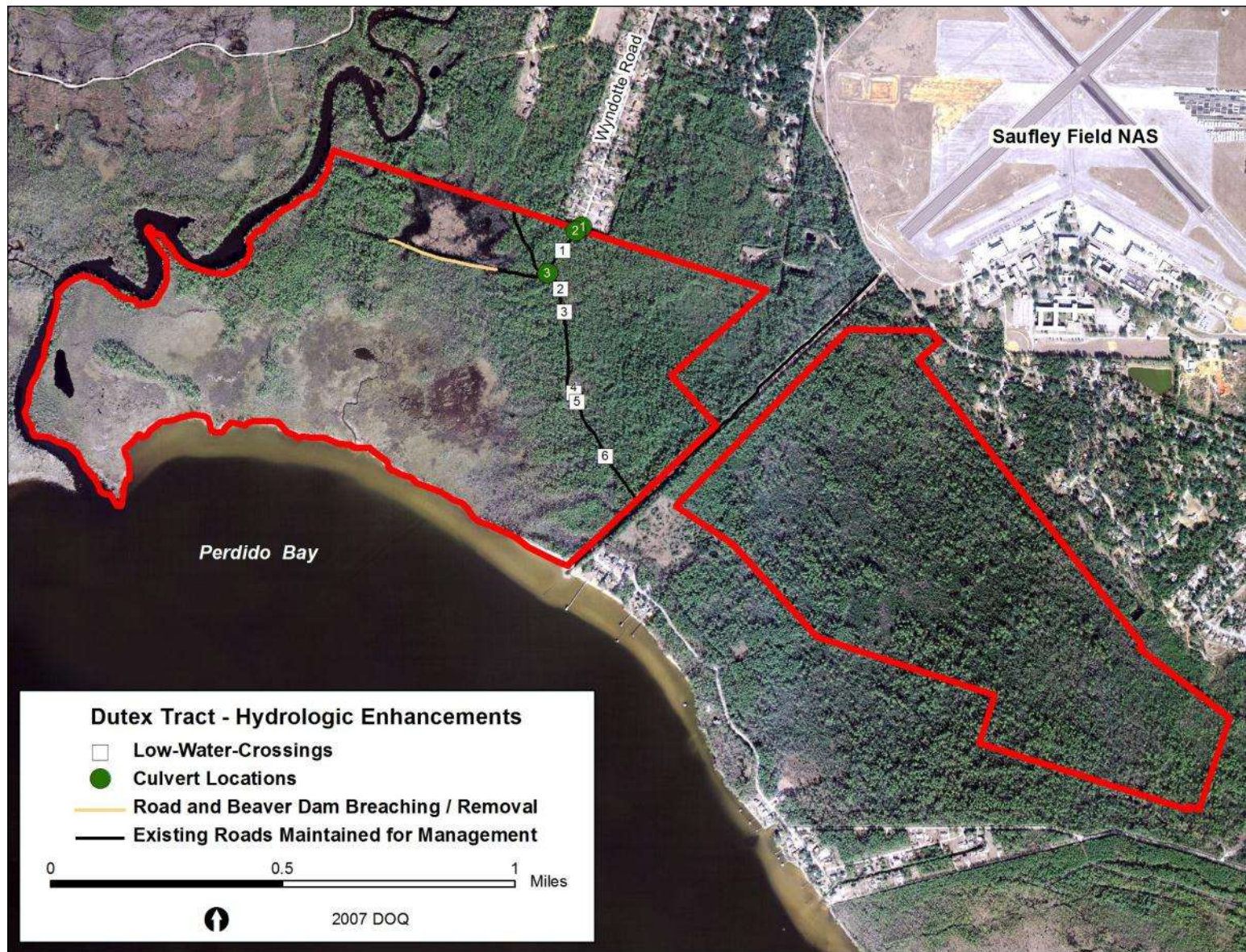


Figure 8. DOQ of Hydrologic Enhancements

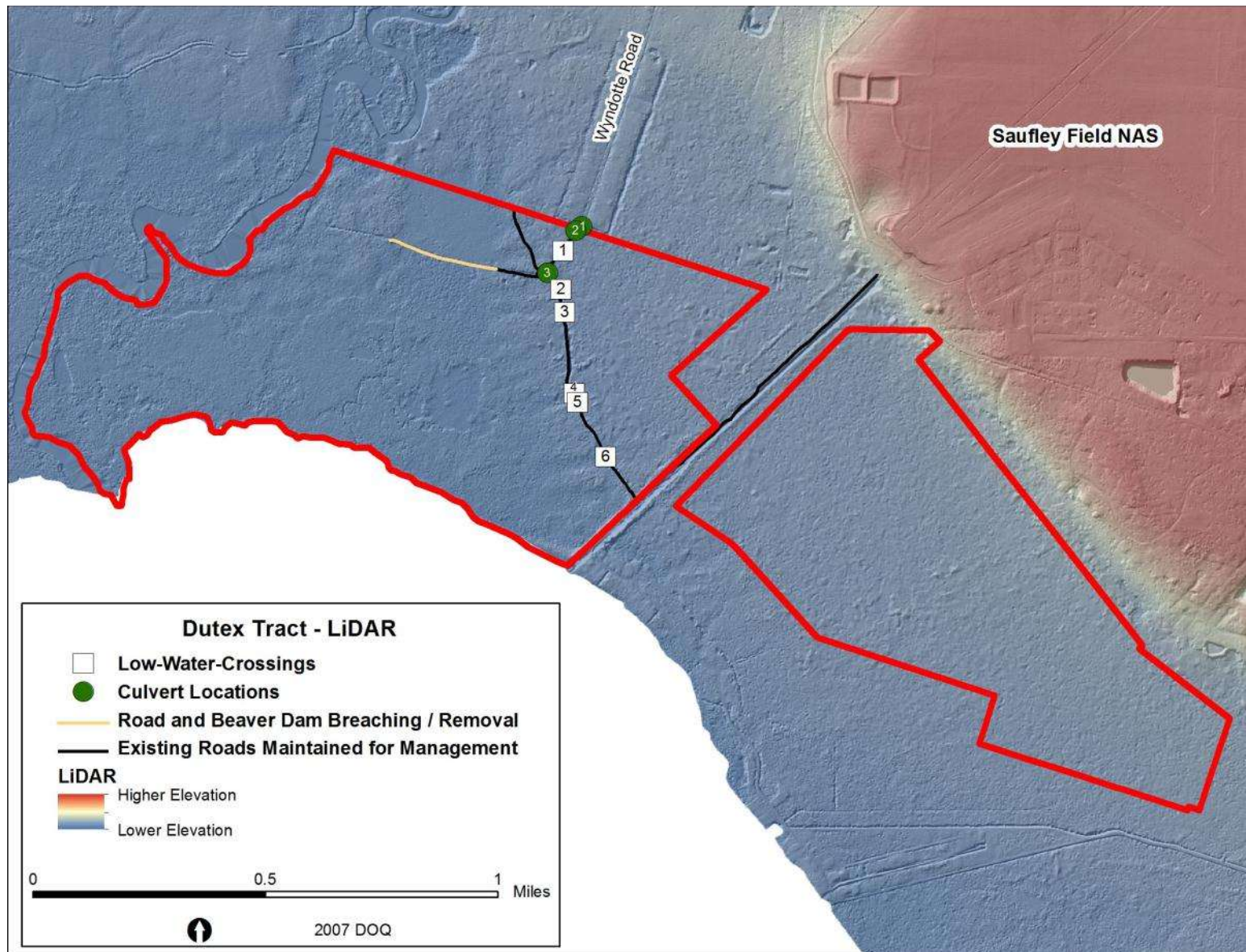


Figure 9. LiDAR Map

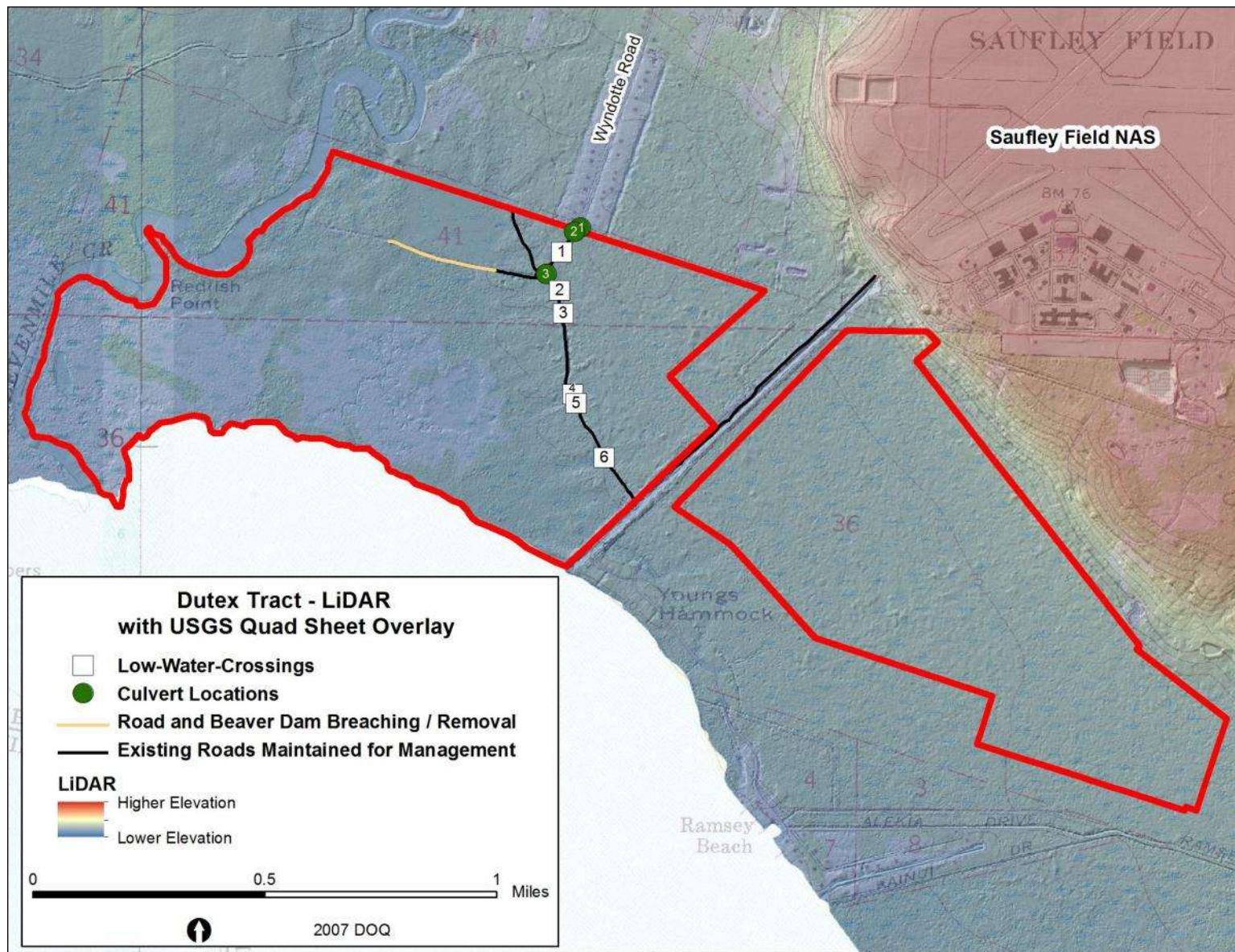


Figure 10. LiDAR w/USGS Quad Sheet Overlay

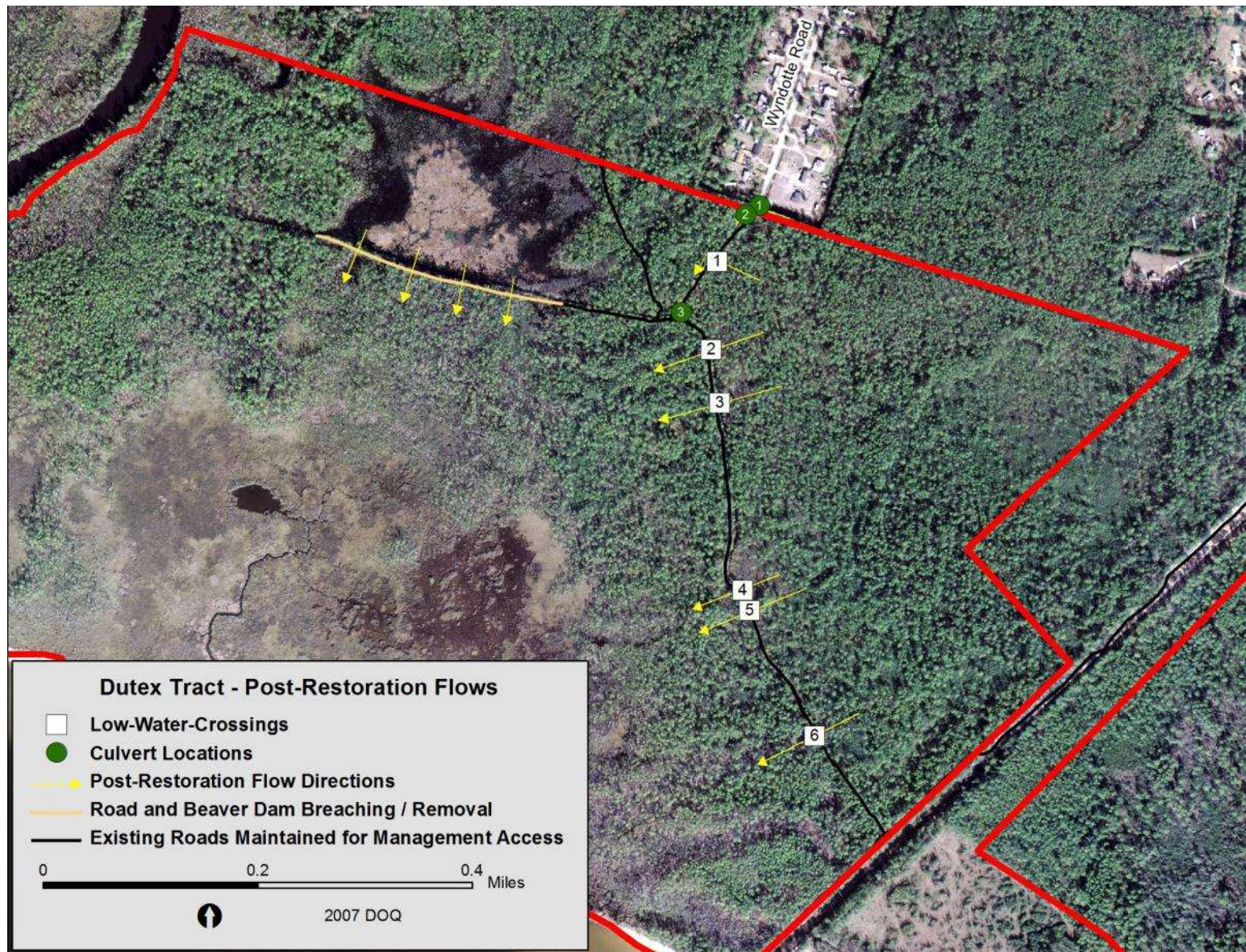


Figure 11. Map of Post Hydrologic Restoration Flow Directions

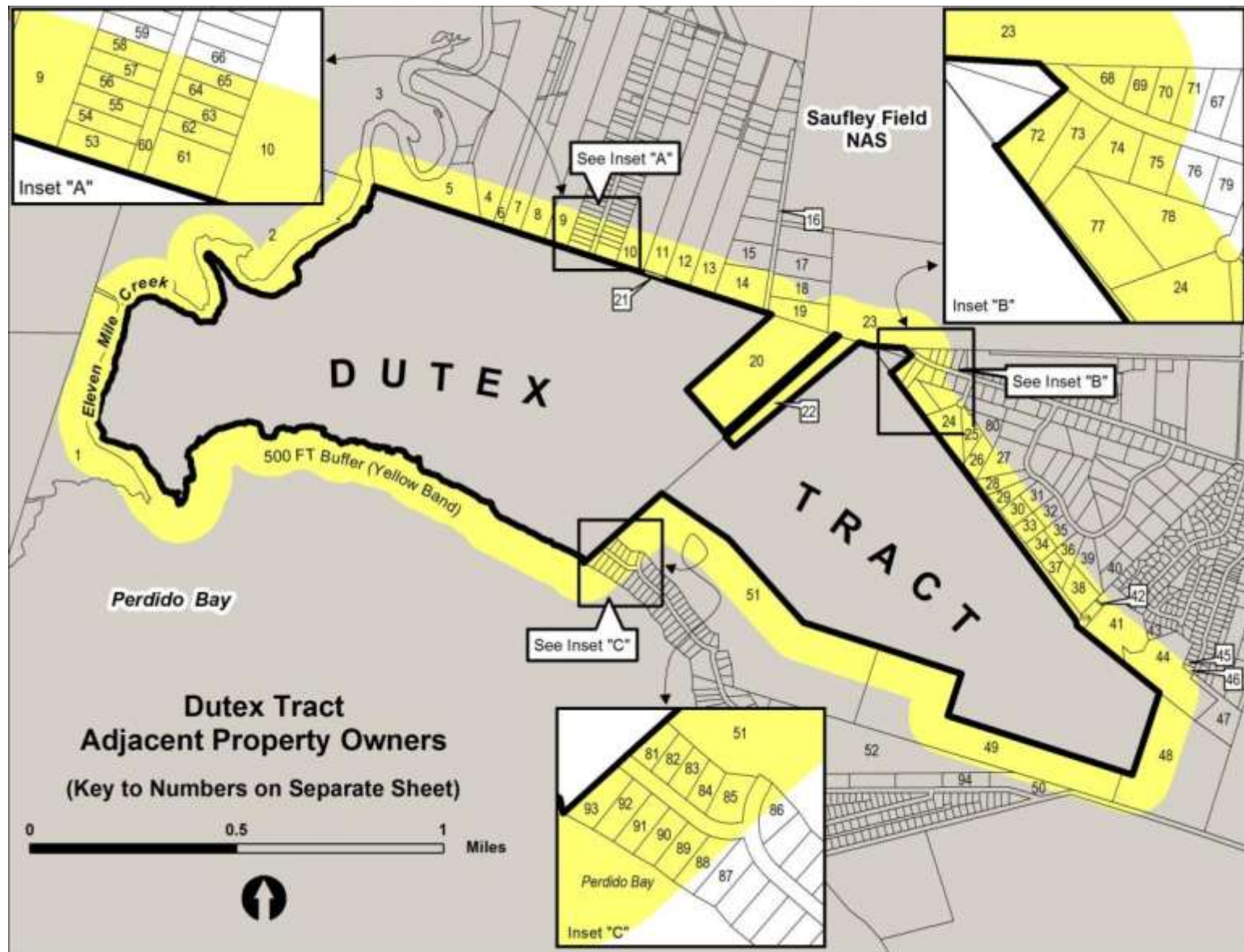


Figure 12. Map of Adjacent Property Owners

Dutex Tract
Adjacent Property Owners¹

1) Parcel ID: 362S312000000000

Account: 101358000

Owners: INTERNATIONAL PAPER COMPANY

Mail: ATTN NETA LATHAM

6400 POPLAR AVE

MEMPHIS, TN 38197

2) Parcel ID: 362S312000000000

Account: 101358000

Owners: INTERNATIONAL PAPER COMPANY

Mail: ATTN NETA LATHAM

6400 POPLAR AVE

MEMPHIS, TN 38197

3) Parcel ID: 401S312103000000

Account: 092023000

Owners: INTERNATIONAL PAPER COMPANY

Mail: ATTN NETA LATHAM

6400 POPLAR AVE

MEMPHIS, TN 38197

4) Parcel ID: 401S312103000000

Account: 092023000

Owners: INTERNATIONAL PAPER COMPANY

Mail: ATTN NETA LATHAM

6400 POPLAR AVE

MEMPHIS, TN 38197

5) Parcel ID: 401S312103000001

Account: 092024000

Owners: WILLIS WILLIAM B SR & MARY LOUISE

Mail: 1602 NORTH Z ST

PENSACOLA, FL 32505

6) Parcel ID: 401S311107001001

Account: 092021600

Owners: MEACHAM RALPH W & VERA

Mail: 8963 PENSACOLA BLVD

PENSACOLA, FL 32534

¹ Information derived from Escambia County Property Appraiser website (<http://www.escpa.org>).

7) Parcel ID: 401S311107000001

Account: 092021500

Owners: HEEKE ROBERT D & CHERYL A

Mail: 8041 ALONZO RD

PENSACOLA, FL 32526

8) Parcel ID: 401S311106000001

Account: 092020000

Owners: INTERNATIONAL PAPER COMPANY

Mail: ATTN NETA LATHAM

6400 POPLAR AVE

MEMPHIS, TN 38197

9) Parcel ID: 401S311105000030

Account: 092019130

Owners: STONE WILLIAM IRA JR

Mail: 6933 SAUFLEY PINES RD

PENSACOLA, FL 32526

10) Parcel ID: 401S311103000300

Account: 092017290

Owners: BERLING TERRANCE & BERLING DANIEL B

Mail: 6440 BERLING RD

PENSACOLA, FL 32526

11) Parcel ID: 401S311103000040

Account: 092017040

Owners: BERLING RALPH L & IRENE L

Mail: 6440 BERLING RD

PENSACOLA, FL 32526

12) Parcel ID: 401S311102000000

Account: 092014000

Owners: MATTHEWS RUTH

Mail: 6551 MATTHEWS JUNCTION

PENSACOLA, FL 32526

13) Parcel ID: 401S311102000002

Account: 092015000

Owners: MATTHEWS BLANCHE B

Mail: 6540 MATTHEWS JUNCTION

PENSACOLA, FL 32526

14) Parcel ID: 351S312100000009
Account: 091704100
Owners: PHILLIPS CHARLES E
Mail: 6500 SHILSTON BRANCH RD
PENSACOLA, FL 32526

15) Parcel ID: 351S312100001006
Account: 091704041
Owners: WALDERS EDWARD C JR
Mail: 7325 VELMA ST
PENSACOLA, FL 32526

16) Parcel ID: 351S312100000000
Account: 091704000
Owners: SHILSTON DANIEL G & SUSAN R
Mail: 6575 SAUFLEY PINES RD
PENSACOLA, FL 32526

17) Parcel ID: 351S312100000002
Account: 091704020
Owners: BUSH ANNA S
Mail: 6545 SAUFLEY PINES RD
PENSACOLA, FL 32526

18) Parcel ID: 351S312100000003
Account: 091704025
Owners: HUMPHREY LINDA K & BOSACK DEBRA A
Mail: 6450 SHILSTON BRANCH RD
PENSACOLA, FL 32526

19) Parcel ID: 351S312100000004
Account: 091704030
Owners: HUMPHREY LINDA & BOSACK DEBRA
Mail: 6450 SHILSTON BRANCH RD
PENSACOLA, FL 32526

20) Parcel ID: 362S311014006001
Account: 101356625
Owners: ESCAMBIA COUNTY
Mail: 221 PALAFOX PL STE 420
PENSACOLA, FL 32502

21) Parcel ID: 401S311103000000
Account: 092017000
Owners: JESSE RAYMOND E & ALICE M
Mail: PO BOX 12407
PENSACOLA, FL 32591-2407

22) Parcel ID: 362S311014005001
Account: 101356620
Owners: ESCAMBIA COUNTY
Mail: 221 PALAFOX PL STE 420
PENSACOLA, FL 32502

23) Parcel ID: 371S311100000000
Account: 091706000
Owners: UNITED STATES GOVERNMENT
Mail: DEPT OF NAVY-PENTAGON
WASHINGTON, DC 20301

24) Parcel ID: 362S310200310001
Account: 101291155
Owners: TOMLINSON DAN C & MARCIA R
Mail: 6253 SPANISH OAK CT
PENSACOLA, FL 32526

25) Parcel ID: 362S310200300001
Account: 101291150
Owners: DOUGHERTY JAMES F & ROXANNE D J
Mail: 6247 SPANISH OAK CT
PENSACOLA, FL 32526

26) Parcel ID: 362S310200290001
Account: 101291145
Owners: ISOSAARI ROBERT M & JANICE M
Mail: 6249 SPANISH OAK CT
PENSACOLA, FL 32526

27) Parcel ID: 362S310200250001
Account: 101291125
Owners: KNECHTEL GLENN K & SANDRA N
Mail: 5810 ROBLE LOMA DR
PENSACOLA, FL 32526

28) Parcel ID: 362S310200240001

Account: 101291120

Owners: BELL HONOR M & CAFFEY H

Mail: 6073 SPANISH OAK DR

PENSACOLA, FL 32526

29) Parcel ID: 362S310200230001

Account: 101291115

Owners: SIMKINS KENNETH R & CAROLYN L

Mail: 6071 SPANISH OAK DR

PENSACOLA, FL 32526-3727

30) Parcel ID: 362S310200220001

Account: 101291110

Owners: PRIDGEN HAROLD & MARY D

Mail: 25 E NINE MILE RD

PENSACOLA, FL 32534

31) Parcel ID: 362S310200210001

Account: 101291105

Owners: ROSCHEL GEORGE A JR & LILLIAN B

Mail: 6067 SPANISH OAK DR

PENSACOLA, FL 32526

32) Parcel ID: 362S310200190001

Account: 101291095

Owners: ENFINGER RHONDS J

Mail: 6065 SPANISH OAK DR

PENSACOLA, FL 32526

33) Parcel ID: 362S310200200001

Account: 101291100

Owners: PRIDGEN HAROLD & MARY D

Mail: 25 E NINE MILE RD

PENSACOLA, FL 32534

34) Parcel ID: 362S310200180001

Account: 101291090

Owners: PRIDGEN HAROLD & MARY D

Mail: 25 E NINE MILE RD

PENSACOLA, FL 32534

35) Parcel ID: 362S310200170001

Account: 101291085

Owners: COLEMAN DAVID L & MARY LOU

Mail: 6061 SPANISH OAK DR

PENSACOLA, FL 32526

36) Parcel ID: 362S310200150001

Account: 101291075

Owners: JANSEN RONALD W & JANSEN TERESA T

Mail: 6057 SPANISH OAK DR

PENSACOLA, FL 32526

37) Parcel ID: 362S310200160001

Account: 101291080

Owners: PRIDGEN HAROLD & MARY D

Mail: 25 E NINE MILE RD

PENSACOLA, FL 32534

38) Parcel ID: 362S310200140001

Account: 101291070

Owners: PRIDGEN HAROLD & MARY D

Mail: 25 E NINE MILE RD

PENSACOLA, FL 32534

39) Parcel ID: 362S310200130001

Account: 101291065

Owners: GAETZ CHARLES T & REBECCA L WESTBROOK

Mail: 6051 SPANISH OAK DR

PENSACOLA, FL 32526

40) Parcel ID: 362S310200120001

Account: 101291060

Owners: WALLS ROBERT C & WALLS MARY ANN

Mail: 6049 SPANISH OAK DR

PENSACOLA, FL 32526

41) Parcel ID: 362S311015000000

Account: 101356800

Owners: HALL CHARLES

Mail: 509 WARRINGTON RD

PENSACOLA, FL 32506

42) Parcel ID: 362S311012001001

Account: 101354510

Owners: COOK NELL W

Mail: 117 ST JOHN ST

PENSACOLA, FL 32503

43) Parcel ID: 362S310300090004

Account: 101292548

Owners: ESCAMBIA COUNTY

Mail: 221 PALAFOX PL STE 420

PENSACOLA, FL 32502

44) Parcel ID: 362S310300100004

Account: 101292550

Owners: COOK BROWN ENTERPRISES INC

Mail: PO BOX 6006

PENSACOLA, FL 32503

45) Parcel ID: 362S311600011004

Account: 101357729

Owners: CAPPO PETER & DEBORAH A

Mail: 5707 PRINCETON DR

PENSACOLA, FL 32526

46) Parcel ID: 362S311600012004

Account: 101357731

Owners: WITHERSPOON MARK R

Mail: 5701 PRINCETON DR

PENSACOLA, FL 32526

47) Parcel ID: 362S311014000001

Account: 101356500

Owners: TEACHEY HOWARD & NIELSEN CHRIS

Mail: 2144 W KINGSFIELD RD

CANTONMENT, FL 32533

48) Parcel ID: 362S311014001001

Account: 101356600

Owners: GRESKOVICH FRANK J JR 87 64/100 % &

BALCOM JAMES H 12 36/100 %

Mail: 4320 MONTALVO DR

PENSACOLA, FL 32504

49) Parcel ID: 362S311014002001
Account: 101356605
Owners: GRESKOVICH FRANK J JR 87 64/100 % &
BALCOM JAMES H 12 36/100 %
Mail: 4320 MONTALVO DR
PENSACOLA, FL 32504

50) Parcel ID: 082S311013000000
Account: 092934200
Owners: TANCHI PETER L & DEONNA H
Mail: C/O CANDY MCCOMB
190 BELFONT CIR
SACRAMENTO, CA 95835

51) Parcel ID: 362S311014001001
Account: 101356600
Owners: GRESKOVICH FRANK J JR 87 64/100 % &
BALCOM JAMES H 12 36/100 %
Mail: 4320 MONTALVO DR
PENSACOLA, FL 32504

52) Parcel ID: 032S311002000000
Account: 092811000
Owners: MOODY FRANK C & COBB EDWARD E
Mail: 40 RIVERIEW RD
PANACEA, FL 323462531

53) Parcel ID: 401S311104003210
Account: 092018273
Owners: BARBANO MARLENE
Mail: 6203 WYNDOTTE RD
PENSACOLA, FL 32526

54) Parcel ID: 401S311104002210
Account: 092018272
Owners: BOMMARITO MARY ANN
Mail: PO BOX 3643
PENSACOLA, FL 325163643

55) Parcel ID: 401S311104001210
Account: 092018271
Owners: SCOTT CONNIE MORAN
Mail: 6207 WYNDOTTE RD
PENSACOLA, FL 32526

56) Parcel ID: 401S311000000014

Account: 092012075

Owners: KOONTZ RAY E & DELORES JEAN

Mail: 1630 TAR HILL RD

DYERSBURG, TN 38024

57) Parcel ID: 401S311000001013

Account: 092012072

Owners: BENSON MICHAEL J & TERESA ANN

Mail: 6211 WYNDOTTE RD

PENSACOLA, FL 32526

58) Parcel ID: 401S311000002013

Account: 092012073

Owners: SHOEMAKE LARRY G

Mail: 6213 WYNDOTTE RD

PENSACOLA, FL 32526

59) Parcel ID: 401S311000002012

Account: 092012070

Owners: TARKUS ANNIE & WILLIAMS SANDRA

Mail: 6215 WYNDOTTE RD

PENSACOLA, FL 32526

60) Parcel ID: 401S311104000210

Owner: NFWFMD

Mail: 81 WATER MANAGEMENT DR

HAVANA, FL 32333

61) Parcel ID: 401S311104004210

Account: 092018274

Owners: GISSENDANNER CHARLES W & DELORIS J

Mail: 6204 WYNDOTTE RD

PENSACOLA, FL 32526

62) Parcel ID: 401S311000000015

Account: 092012080

Owners: COLE DANNY R & HERRINGTON ASHLEY D

Mail: 6206 WYNDOTTE RD

PENSACOLA, FL 32526

63) Parcel ID: 401S311000001015

Account: 092012081

Owners: DYLE RUTH

Mail: 6208 WYNDOTTE RD

PENSACOLA, FL 32526

64) Parcel ID: 401S311000003015
Account: 092012085
Owners: PADLEY LORRIE A & EMMONS MABLE A
Mail: 6210 WYNDOTTE RD
PENSACOLA, FL 32526

65) Parcel ID: 401S311000001016
Account: 092012087
Owners: LEGGETT MICHAEL G & MALANIE SUE
Mail: 6212 WYNDOTTE RD
PENSACOLA, FL 32526

66) Parcel ID: 401S311000000017
Account: 092012090
Owners: FREDERICK MICHELLE L
Mail: 6214 WYNDOTTE DR
PENSACOLA, FL 32526

67) Parcel ID: 032S311010000022
Account: 092811205
Owners: HEATON CHARLES W & HEATON WILBUR J
Mail: PO BOX 6
CANTONMENT, FL 32533-0006

68) Parcel ID: 032S311010000026
Account: 092811225
Owners: HEATON CHARLES W & HEATON WILBUR J
Mail: PO BOX 6
CANTONMENT, FL 32533-0006

69) Parcel ID: 032S311010000025
Account: 092811220
Owners: DEHART RICHARD S & CHARLENE MARIE
Mail: 6276 SAUFLEY PINES RD
PENSACOLA, FL 32526

70) Parcel ID: 032S311010000024
Account: 092811215
Owners: DEHART RICHARD S & CHARLENE M
Mail: 6276 SAUFLEY PINES RD
PENSACOLA, FL 32526

71) Parcel ID: 032S311010000023
Account: 092811210
Owners: HEATON CHARLES W & HEATON WILBUR J
Mail: PO BOX 6
CANTONMENT, FL 32533-0006

72) Parcel ID: 362S311013000000
Account: 101355000
Owners: BRIGHT HARRY R JR & LAUREL CHRISTINE
Mail: 6285 SAUFLEY PINES RD
PENSACOLA, FL 32526

73) Parcel ID: 362S311013380001
Account: 101355370
Owners: WAGENER JANE A
Mail: 6281 SAUFLEY PINES RD
PENSACOLA, FL 32526

74) Parcel ID: 362S311013310001
Account: 101355310
Owners: PARMARTER SAMUEL N JR
Mail: 450 WYNFIELD CIR
ROCKLEDGE, FL 32955-5390

75) Parcel ID: 362S311013285001
Account: 101355285
Owners: DENNIS ROBERT L & REBECCA A
Mail: 6271 SAUFLEY PINES RD
PENSACOLA, FL 32526

76) Parcel ID: 362S311013280001
Account: 101355275
Owners: THOMPSON JIMMIE C
Mail: PO BOX 27853
PANAMA CITY, FL 32411-7853

77) Parcel ID: 362S310200320001
Account: 101291160
Owners: ISOSAARI ROBERT M
Mail: 6249 SPANISH OAK CT
PENSACOLA, FL 32526

78) Parcel ID: 362S310200330001

Account: 101291165

Owners: ISOSAARI ROBERT M & JANICE M

Mail: 6249 SPANISH OAK CT

PENSACOLA, FL 32526

79) Parcel ID: 362S311013270001

Account: 101355270

Owners: FORESTER ROBERT E III & SUE G

Mail: 6259 SPANISH OAK CT

PENSACOLA, FL 32526

80) Parcel ID: 362S310200280001

Account: 101291140

Owners: LANGSTON MARY W

Mail: 6245 SPANISH OAK CT

PENSACOLA, FL 32526

81) Parcel ID: 362S310100005003

Account: 101287258

Owners: PUGH JAMES R JR & PUGH JOYCE A TRUSTEES FOR
PUGH JAMES R JR & JOYCE A TRUST

Mail: 6531 MINT JULEP TRAIL

PENSACOLA, FL 32526

82) Parcel ID: 362S310100004003

Account: 101287256

Owners: COBB JAMES M

Mail: 767 HAYGOOD RD

EVERGREEN, AL 36401-7802

83) Parcel ID: 362S310100003003

Account: 101287254

Owners: MADDEN TIMOTHY J & REBECCA A

Mail: 5708 BAY FOREST DR

PENSACOLA, FL 32526

84) Parcel ID: 362S310100002003

Account: 101287252

Owners: HECKMAN JERRY L

Mail: 5706 BAY FOREST DR

PENSACOLA, FL 32526

85) Parcel ID: 362S310100001003

Account: 101287250

Owners: SCHUCKER LARRY E & NOLA F

Mail: 173 WEBB ST

HERTFORD, NC 27944-8026

86) Parcel ID: 362S310100017002

Account: 101287132

Owners: CULBERTSON M W ESTHER G GARGER JOHN & LAFAWN

Mail: 3533 PINE FOREST RD

CANTONMENT, FL 32533

87) Parcel ID: 362S310100014004

Account: 101287376

Owners: CULBERTSON BETTYE SUE

Mail: 6350 PENSACOLA BLVD

PENSACOLA, FL 32505

88) Parcel ID: 362S310100015004

Account: 101287378

Owners: HIGDON SHIRELY M & HIGDON CHARLES R IV & HIGDON

KENNETH R & MATHEW PEGGY HIGDON

Mail: 5701 BAY FOREST DR

PENSACOLA, FL 32526

89) Parcel ID: 362S310100016004

Account: 101287380

Owners: HARRIS RUTH M

Mail: 5705 BAY FOREST DR

PENSACOLA, FL 32526

90) Parcel ID: 362S310100017004

Account: 101287382

Owners: BARNHART PHILLIP H & SHARON S

Mail: 5709 BAY FOREST DR

PENSACOLA, FL 32526

91) Parcel ID: 362S310100018004

Account: 101287384

Owners: ZIMMERMAN BARBARA L

Mail: 5713 BAY FOREST DR

PENSACOLA, FL 32526

92) Parcel ID: 362S310100019004
Account: 101287386
Owners: HIGDON KENNETH R
Mail: 1029 S FAIRFIELD DR
PENSACOLA, FL 32506

93) Parcel ID: 362S310100020004
Account: 101287388
Owners: JOINER CHARLES P & STEFFIE CLEO
Mail: 250 STAFFORDSHIRE RD
WINSTON SALEM, NC 27104

94) Parcel ID: 082S311013000028
Account: 092934620
Owners: BRADLEY JAMES H
Mail: PO BOX 6165
PENSACOLA, FL 32503

Appendix (Dutex Mitigation Plan)