



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
PANAMA CITY REGULATORY OFFICE  
1002 WEST 23<sup>RD</sup> STREET, SUITE 350  
PANAMA CITY, FLORIDA 32405-3648

Regulatory Division  
North Permits Branch

**MAY 17 2006**

### NATIONWIDE PERMIT VERIFICATION

Applicant: Northwest Florida Water Management District  
c/o Doug Barr  
81 Water Management Drive  
Havana, Florida 32333-4712

File No.: SAJ-2002-5061(NW-DEB), Sand Hill Lakes Mitigation Bank

Your application for a Department of the Army (DA) permit received on February 10, 2004, has been assigned number SAJ-2002-5061(NW-DEB). A review of the information and drawings provided shows the proposed work is for the enhancement, restoration, and long-term management of approximately 868.60 acres of mixed forested and herbaceous wetlands, and 1303.2-acres of upland and lake systems, within a 2,171-acre site referred to as the Sand Hill Lakes Mitigation Bank. Restoration and enhancement activities will result in impacts to approximately 0.303 acre of waters of the United States. Operation of the Mitigation Bank will be governed by the joint state/federal Mitigation Bank Review Team (MBRT) Process for Florida. The project is located in waters of the United states, in the St. Andrew and Choctawhatchee Bay watersheds, west of the intersection of CR 279 and SR 77, in Sections 1, 11, and 12, Township 1 north, Range 15 west; Sections 5, 6, 7, 8, and 17, Township 1 north, Range 14 west; and Section 31, Township 2 north, and Range 14 west, just north of Greenhead, Washington County, Florida.

This letter verifies that activities regulated by the Army Corps of Engineers associated with the Sand Hill Lakes Mitigation Banking Instrument are authorized by Nationwide Permit (NWP) Number 27 in accordance with the regulations as stated in the January 15, 2002, Federal Register, Notice of Issuance of Nationwide Permits (676 FR 2020). This verification is valid until the NWP is modified, reissued, or revoked prior to March 19, 2007. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice announcing any changes to the NWPs when they occur.

In the event that you have not completed construction of your project within the above time limit, a separate application or reverification will be required. A separate DA permit is not required providing the work is done in accordance with the drawings and information as provided in your request, the conditions listed in the January 15, 2002, Federal Register, Notice

of Issuance of Nationwide Permits (67 FR 2020), Nationwide Permit Conditions, and any other appropriate regional conditions enclosed.

Additionally, enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

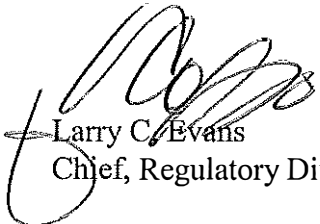
This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. In Florida, projects qualifying for this NWP must be authorized under Part IV of Chapter 373 by the Department of Environmental Protection, a water management district under §. 373.069, F.S., or a local government with delegated authority under §. 373.441, F.S., and receive Water Quality Certification (WQC) and Coastal Zone Consistency Concurrence (CZCC) (or a waiver), as well as any authorizations required by the State for the use of sovereignty submerged lands. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

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

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact Mr. Dale E. Beter by telephone at 850-763-0717, #57, by fax at 850-872-0231, or by electronic mail at: [dale.e.beter@saj02.usace.army.mil](mailto:dale.e.beter@saj02.usace.army.mil).

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit the following link and complete our automated Customer Service Survey: [http://www.saj.usace.army.mil/permit/forms/customer\\_service.htm](http://www.saj.usace.army.mil/permit/forms/customer_service.htm). Your input is appreciated – favorable or otherwise.

Sincerely,

  
Larry C. Evans  
Chief, Regulatory Division

Enclosures

Copies Furnished:

Gail Carmody, FWS, Panama City, FL

Ronal J. Mikulak, EPA, Atlanta, GA

Vicki Tauxe, FDEP, Tallahassee, FL

Ron Silver, CESAJ-RD, Jacksonville, FL

Thad Hart, CEDSAJ-RD-NA, Palatka, FL

CESAJ-RD-PE, Jacksonville, FL

GENERAL CONDITIONS

33 CFR PART 320-330

PUBLISHED FEDERAL REGISTER DATED 13 NOVEMBER 1986

1. The time limit for completing the work is valid until the NWP is modified, reissued, or revoked prior to March 19, 2007. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**Permit Number: SAJ-2002-6011(NW-DEB)

Permittee's Name &amp; Address (please print or type):

Northwest Florida Water Management District  
 c/o Doug Barr  
 81 Water Management Drive  
 Havana, FL 32333-4712

Telephone Number: 850-539-5999

Location of the Work: The project is located in waters of the United states, in the St. Andrew and Choctawhatchee Bay watersheds, west of the intersection of CR 279 and SR 77, in Sections 1, 11, and 12, Township 1 north, Range 15 west; Sections 5, 6, 7, 8, and 17, Township 1 north, Range 14 west; and Section 31, Township 2 north, and Range 14 west, just north of Greenhead, Washington County, Florida.

Date Work Started: \_\_\_\_\_ Date Work Completed: \_\_\_\_\_

Description of the Work (e.g., bank stabilization, residential or commercial filling, docks, dredging, etc):  
 Work is for the enhancement, restoration, and long-term management of approximately 868.60 acres of mixed forested and herbaceous wetlands, and 1303.2-acres of upland and lake systems, within a 2,171-acre site.

Acreage or Square Feet of Impacts to Waters of the United States:

Sand Hill Mitigation Bank Hydrologic Enhancement Jurisdictional Waters Impact Summary				
Site #	Activity	Dimensions (ft)	Area (sq ft)	Volume (cu yds)
1	Removal of Dykes Mill Pond Dam & Fill	27' length / 5' height	135	20
2	Replacement of Bridge	30' span / 12' width	360	None
3	Replacement of Black Pond Dam	24' length / 12' height	288	12
4	Replacement of Culvert with Bridge—Power Line Pond	30' span / 12' width	360	None
5	Removal of Road-fill—Pine Log Creek	300' x 10' x 6'	3,000	670
6	Removal of Road-fill—Deep Edge / L. Deep Edge	400' x 10' x 8'	4,000	1,185
7	Removal of Road-fill—L. Deep Edge / Dykes Mill	350' x 10' x 6'	3,500	780
8	Replacement of Culvert with Bridge—Greenhead Branch	65' span / 12' width	780	590
9	Replacement of Bridge—Joiner Lake / Dry Pond	40' span / 12' width	480	None
10	Replacement of Culvert with Bridge and New Culvert—Joiner Lake / Green Ponds	Bridge—20' span / 12' width; Culvert—5' span / 12' width	240; 60	35; 5
Total >			13,203	3,297

Describe Mitigation completed (if applicable): \_\_\_\_\_

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Describe any Deviations from Permit (attach drawing(s) depicting the deviations):

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I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

**DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST**

**PERMIT NUMBER: SAJ-2002-6011(NW-DEB)**

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, FL 32232-0019.

\_\_\_\_\_  
(TRANSFEEE-SIGNATURE)

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

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

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

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

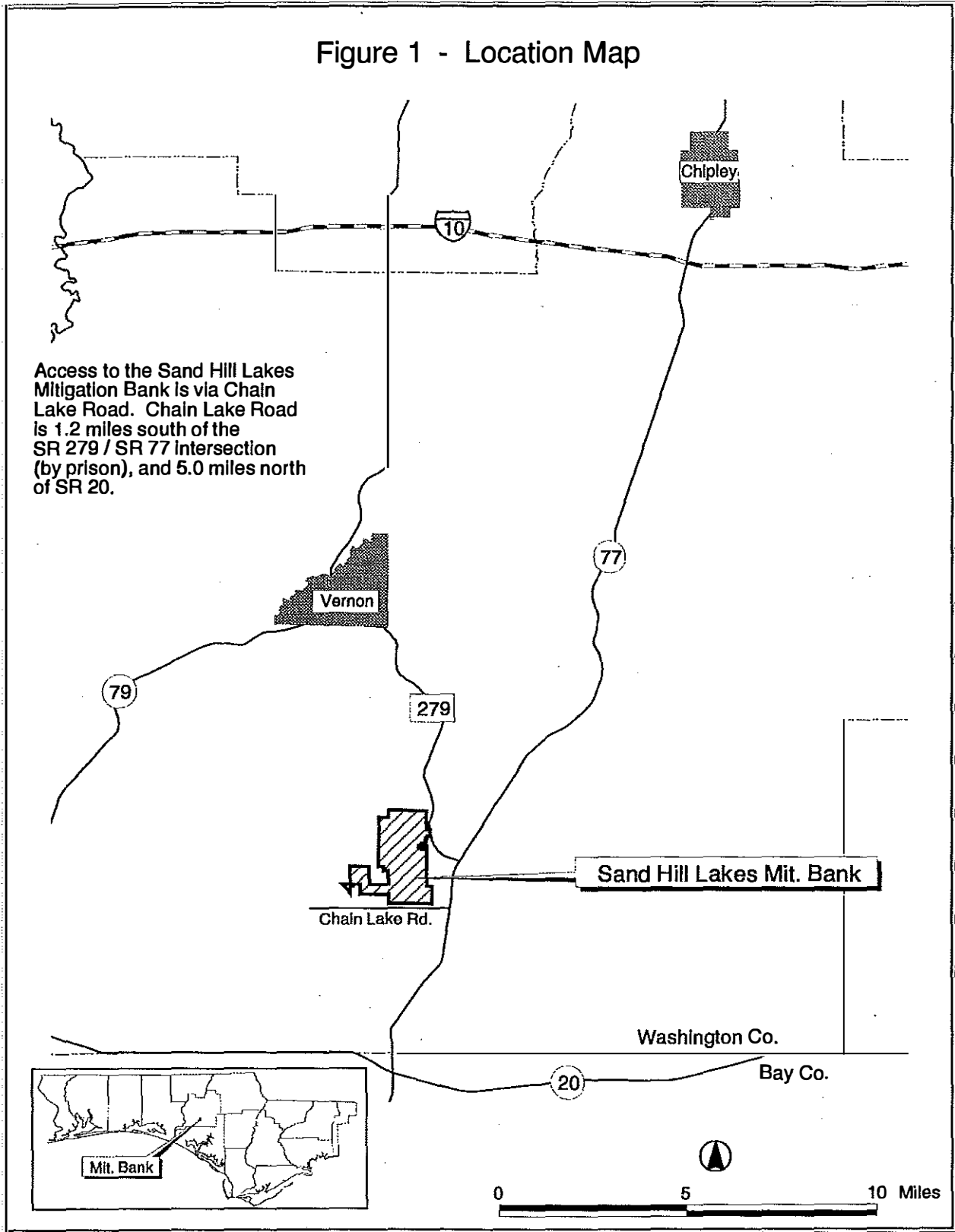
\_\_\_\_\_  
(NAME-PRINTED)

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

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

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

Figure 1 - Location Map



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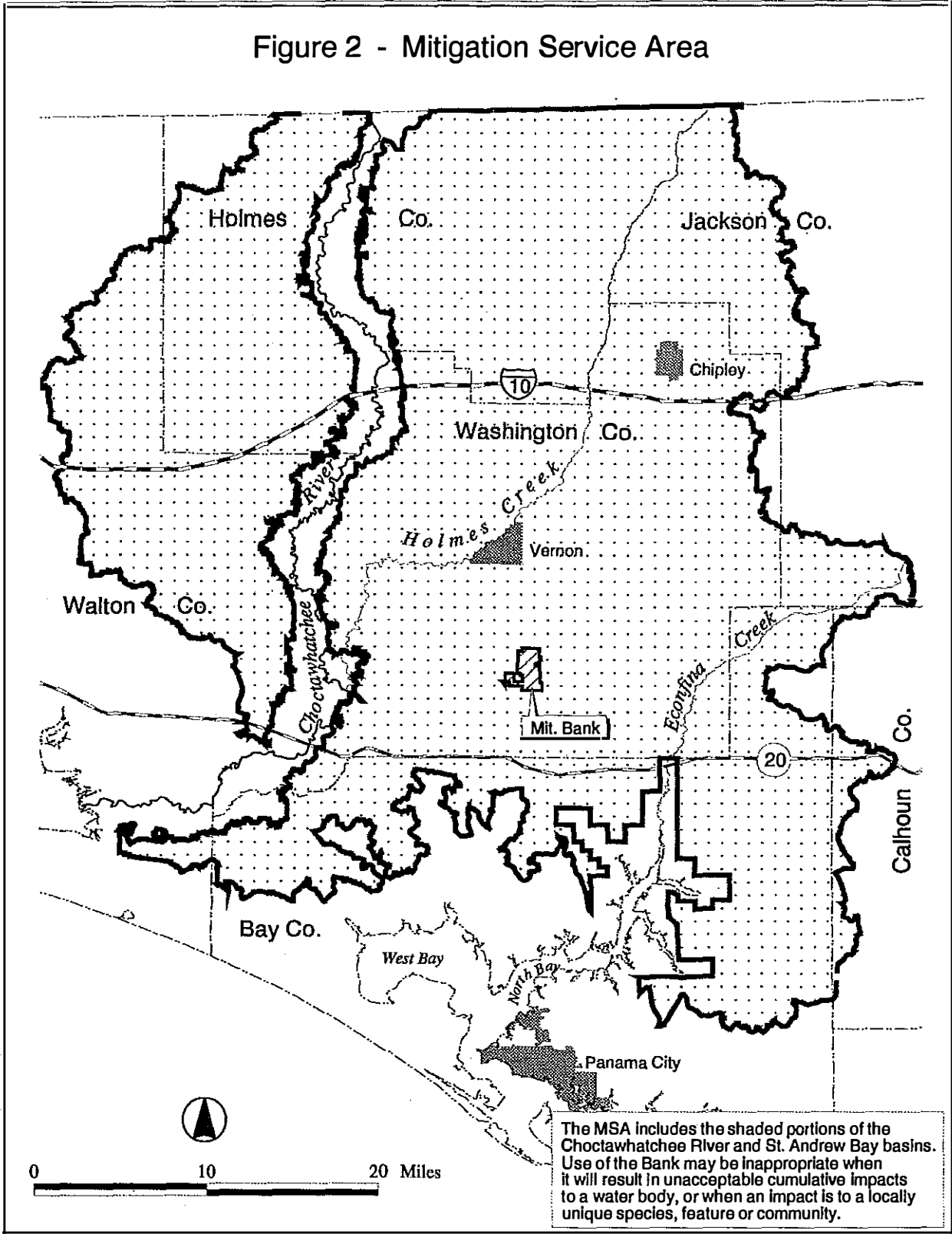
SAJ-2002-5061 (NW-DEB)

NFWMD/ Sand Hill Lakes Mitigation Bank

FDEP #0227351-001



Figure 2 - Mitigation Service Area



The MSA includes the shaded portions of the Choctawhatchee River and St. Andrew Bay basins. Use of the Bank may be inappropriate when it will result in unacceptable cumulative impacts to a water body, or when an impact is to a locally unique species, feature or community.



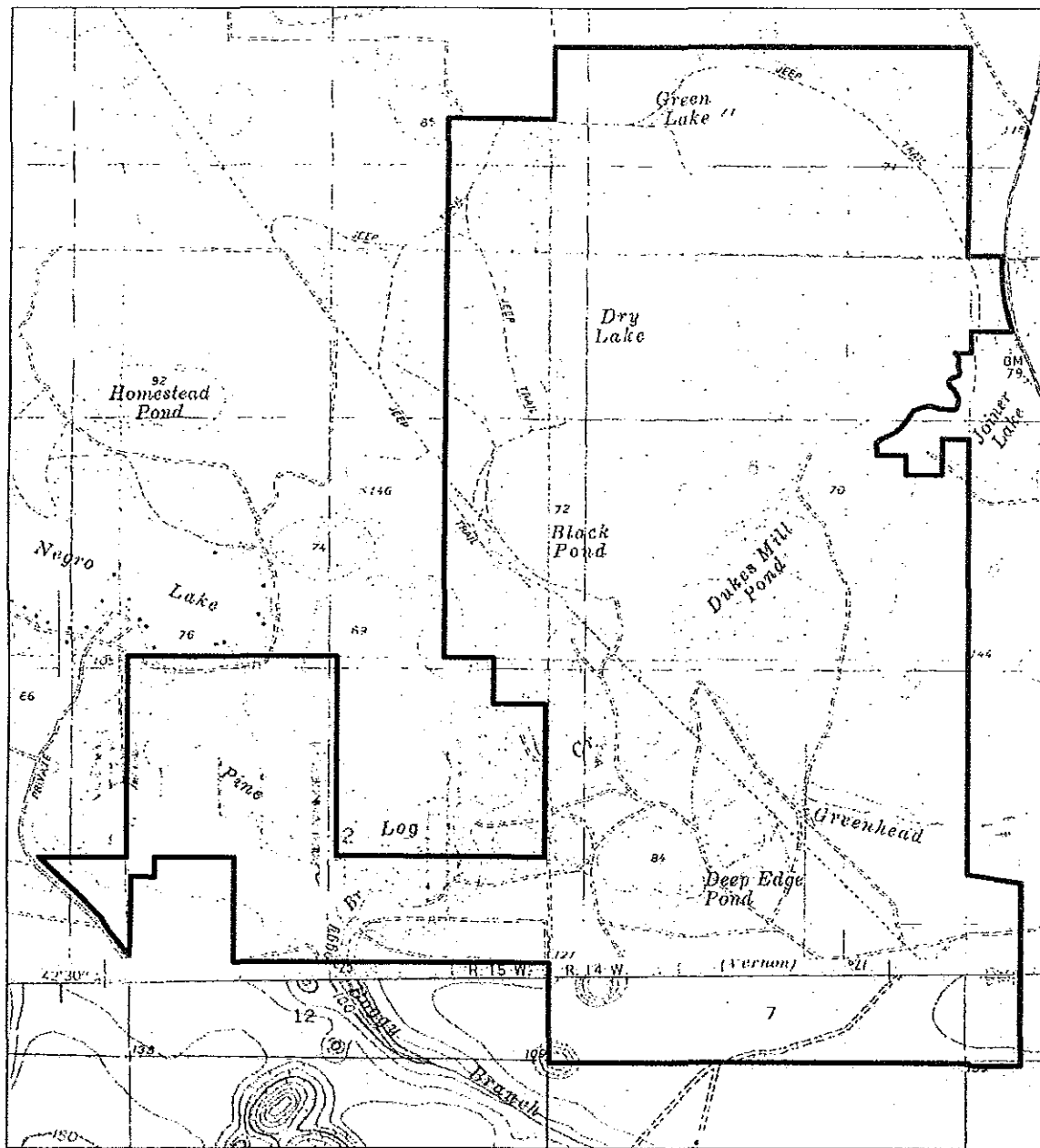
US Army Corps of Engineers

SAJ-2002-5061 (NW-DEB)

NFWFMD/ Sand Hill Lakes Mitigation Bank

FDEP #0227351-001

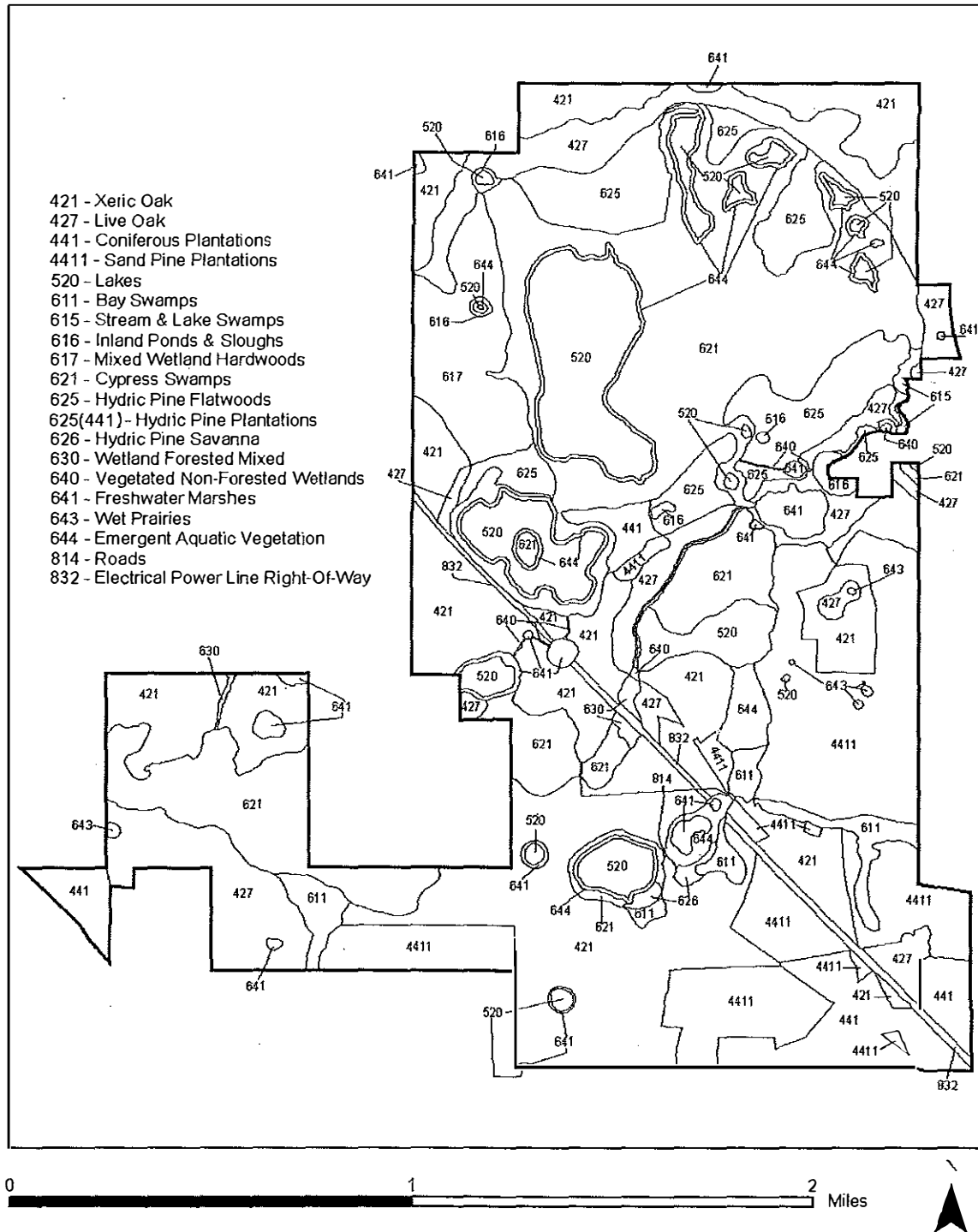
Figure 3 - USGS Quad Map



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Figure 4 - Existing FLUCCS



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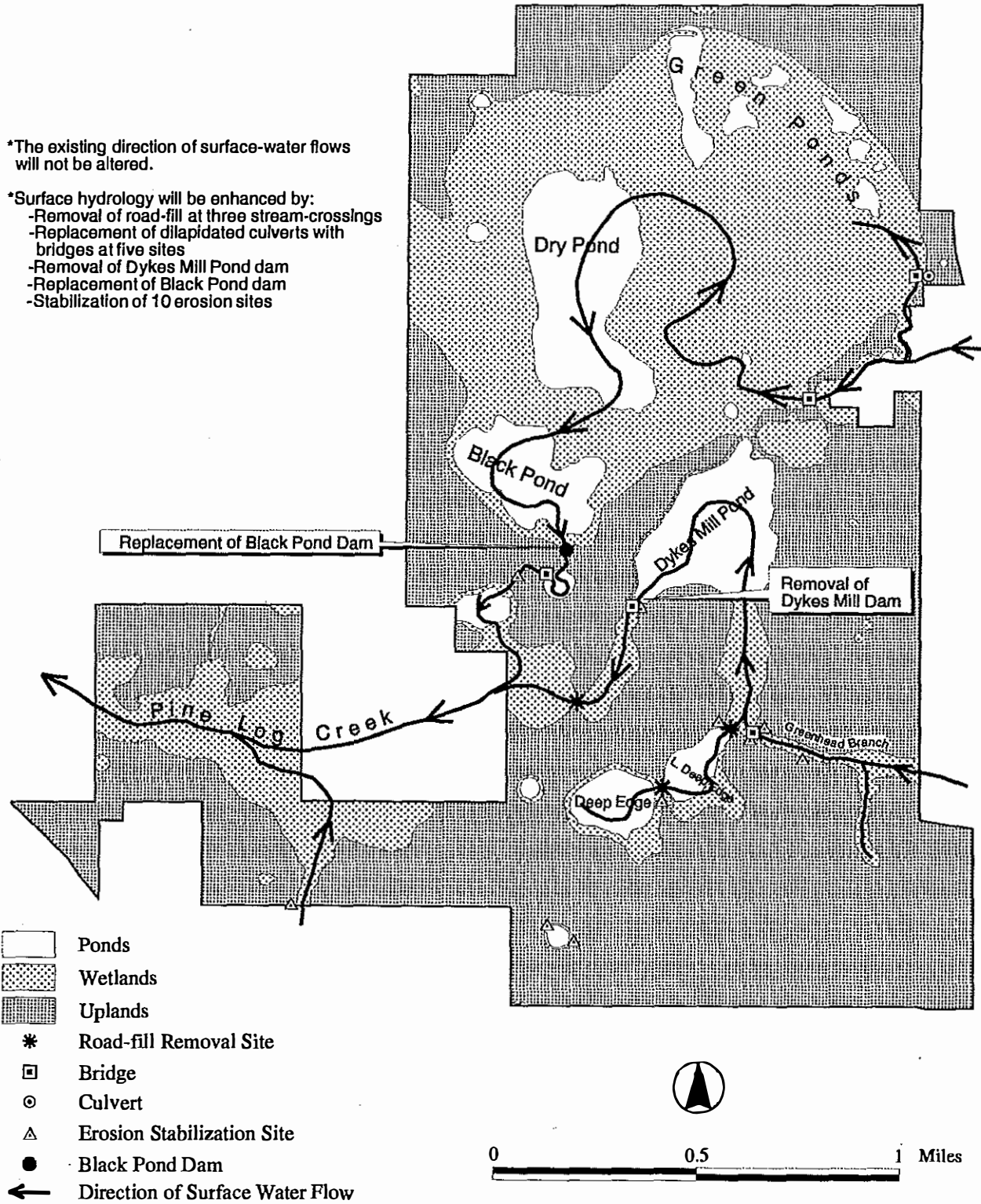
NWFWMD/ Sand Hill Lakes Mitigation Bank

FDEP #0227351-001

Figure 5 - Hydrologic Features and Activities










\*The existing direction of surface-water flows will not be altered.

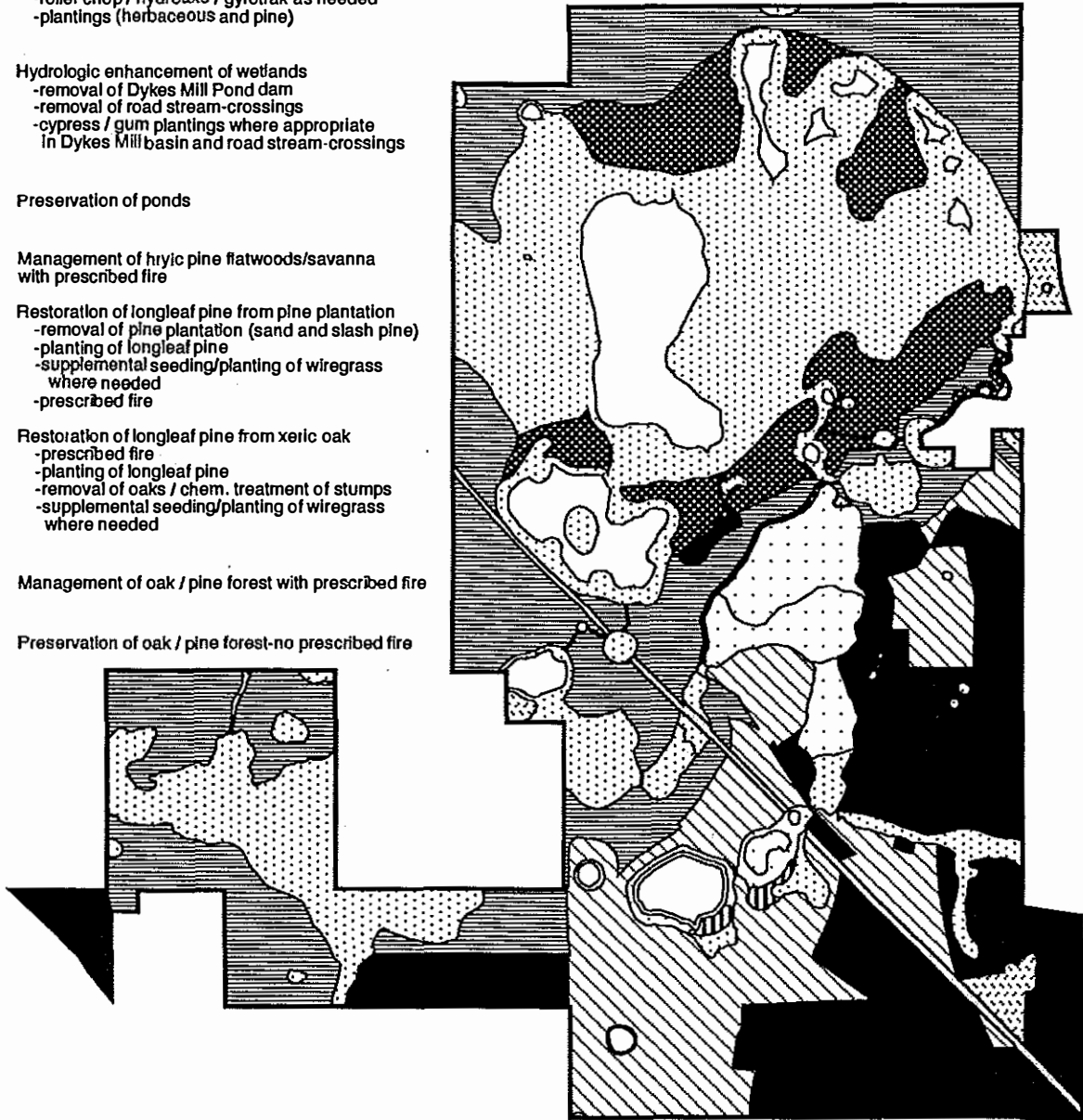
- \*Surface hydrology will be enhanced by:
- Removal of road-fill at three stream-crossings
  - Replacement of dilapidated culverts with bridges at five sites
  - Removal of Dykes Mill Pond dam
  - Replacement of Black Pond dam
  - Stabilization of 10 erosion sites



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# Figure 6 - Mitigation Activities

-  Preservation of wetlands
-  Restoration of hydric pine flatwoods
  - prescribed fire
  - roller chop / hydroaxe / gyrotrak as needed
  - plantings (herbaceous and pine)
-  Hydrologic enhancement of wetlands
  - removal of Dykes Mill Pond dam
  - removal of road stream-crossings
  - cypress / gum plantings where appropriate in Dykes Mill basin and road stream-crossings
-  Preservation of ponds
-  Management of hydric pine flatwoods/savanna with prescribed fire
-  Restoration of longleaf pine from pine plantation
  - removal of pine plantation (sand and slash pine)
  - planting of longleaf pine
  - supplemental seeding/planting of wiregrass where needed
  - prescribed fire
-  Restoration of longleaf pine from xeric oak
  - prescribed fire
  - planting of longleaf pine
  - removal of oaks / chem. treatment of stumps
  - supplemental seeding/planting of wiregrass where needed
-  Management of oak / pine forest with prescribed fire
-  Preservation of oak / pine forest-no prescribed fire



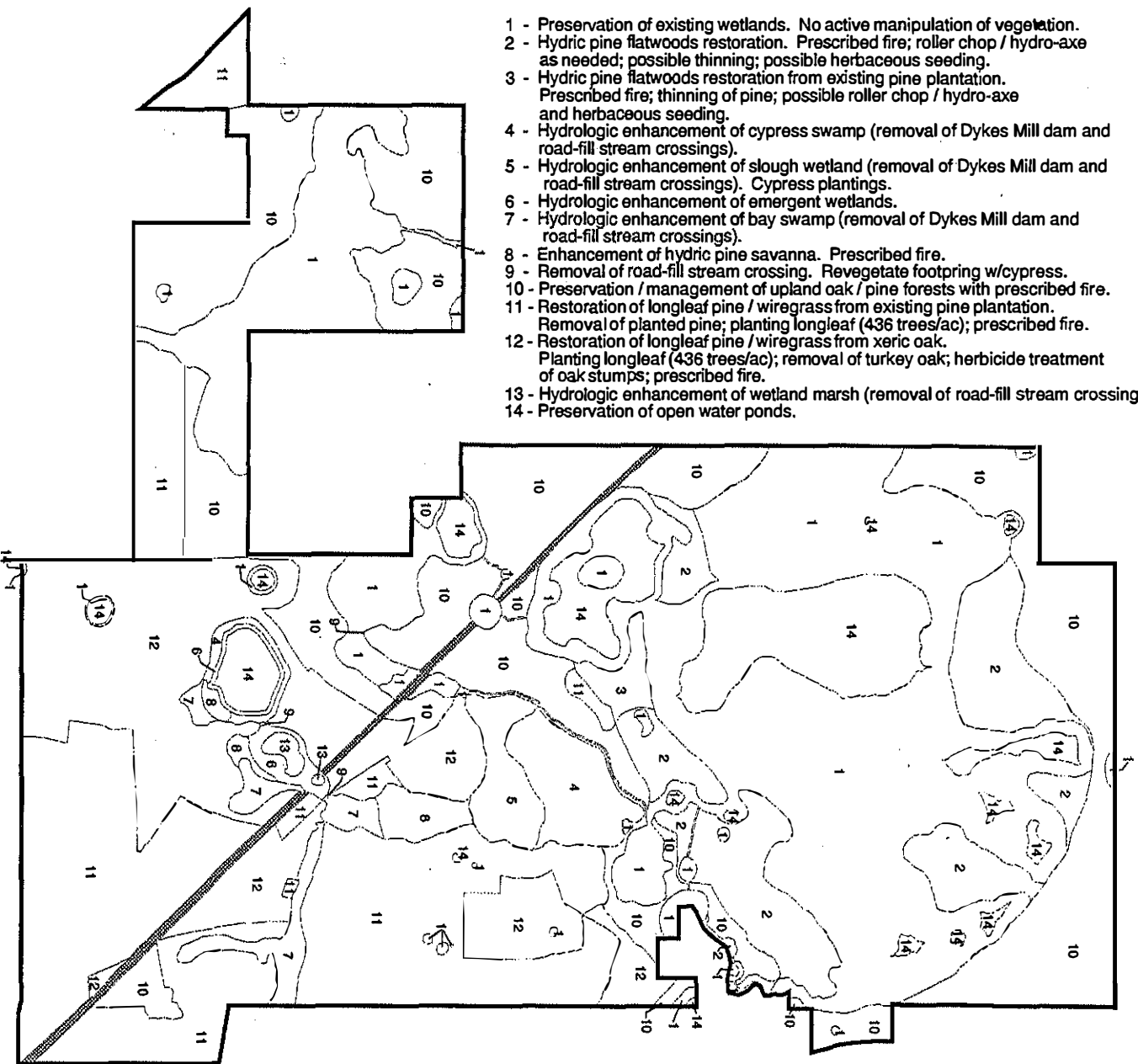
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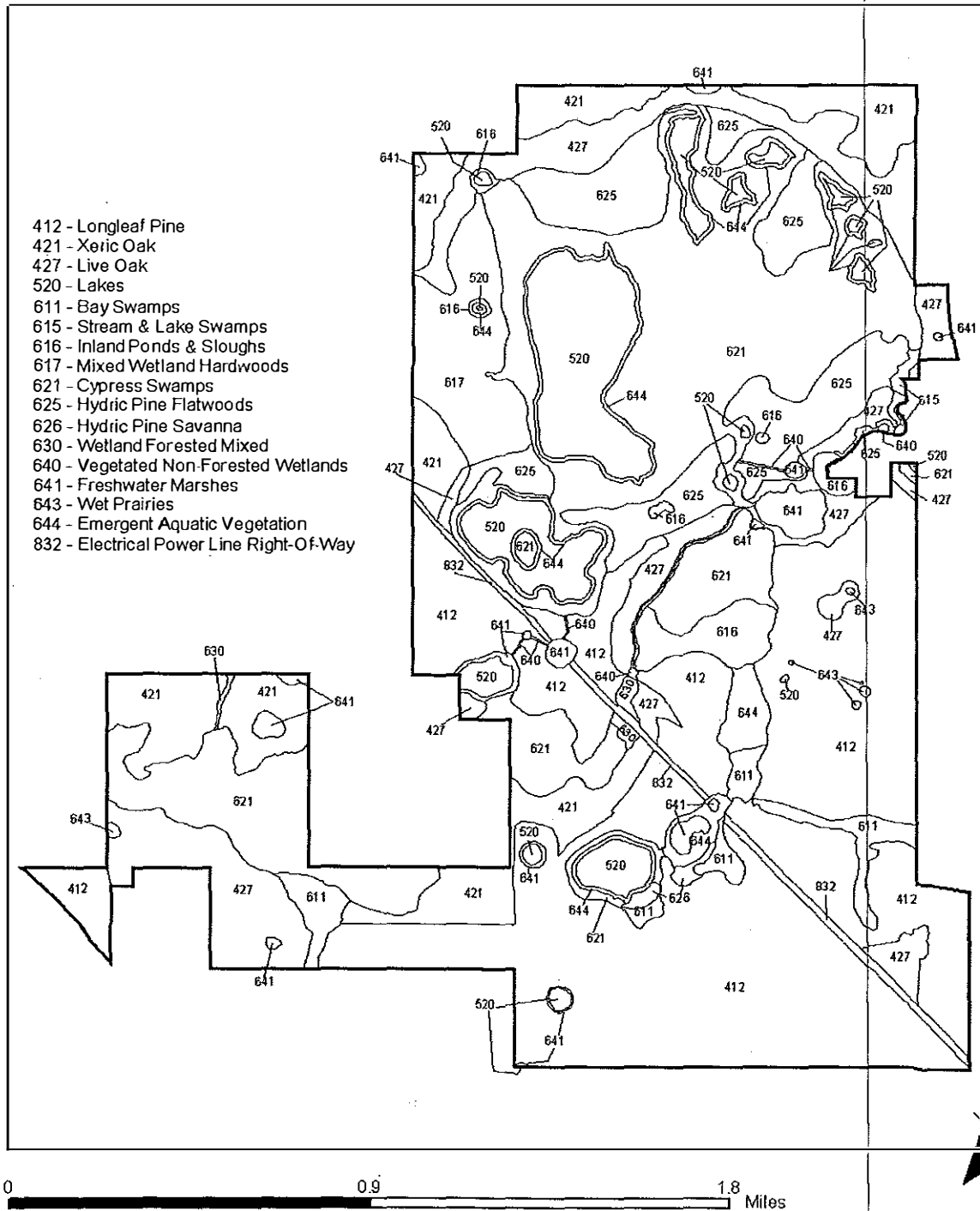
Figure 7 - Management Units

- 1 - Preservation of existing wetlands. No active manipulation of vegetation.
- 2 - Hydric pine flatwoods restoration. Prescribed fire; roller chop / hydro-axe as needed; possible thinning; possible herbaceous seeding.
- 3 - Hydric pine flatwoods restoration from existing pine plantation. Prescribed fire; thinning of pine; possible roller chop / hydro-axe and herbaceous seeding.
- 4 - Hydrologic enhancement of cypress swamp (removal of Dykes Mill dam and road-fill stream crossings).
- 5 - Hydrologic enhancement of slough wetland (removal of Dykes Mill dam and road-fill stream crossings). Cypress plantings.
- 6 - Hydrologic enhancement of emergent wetlands.
- 7 - Hydrologic enhancement of bay swamp (removal of Dykes Mill dam and road-fill stream crossings).
- 8 - Enhancement of hydric pine savanna. Prescribed fire.
- 9 - Removal of road-fill stream crossing. Revegetate footpring w/cypress.
- 10 - Preservation / management of upland oak / pine forests with prescribed fire.
- 11 - Restoration of longleaf pine / wiregrass from existing pine plantation. Removal of planted pine; planting longleaf (436 trees/ac); prescribed fire.
- 12 - Restoration of longleaf pine / wiregrass from xeric oak. Planting longleaf (436 trees/ac); removal of turkey oak; herbicide treatment of oak stumps; prescribed fire.
- 13 - Hydrologic enhancement of wetland marsh (removal of road-fill stream crossing).
- 14 - Preservation of open water ponds.



SAJ-2002-5061 (NW-DEB)  
 NWF/WMD/ Sand Hill Lakes Mitigation Bank  
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Figure 8 - Post-restoration FLUCCS

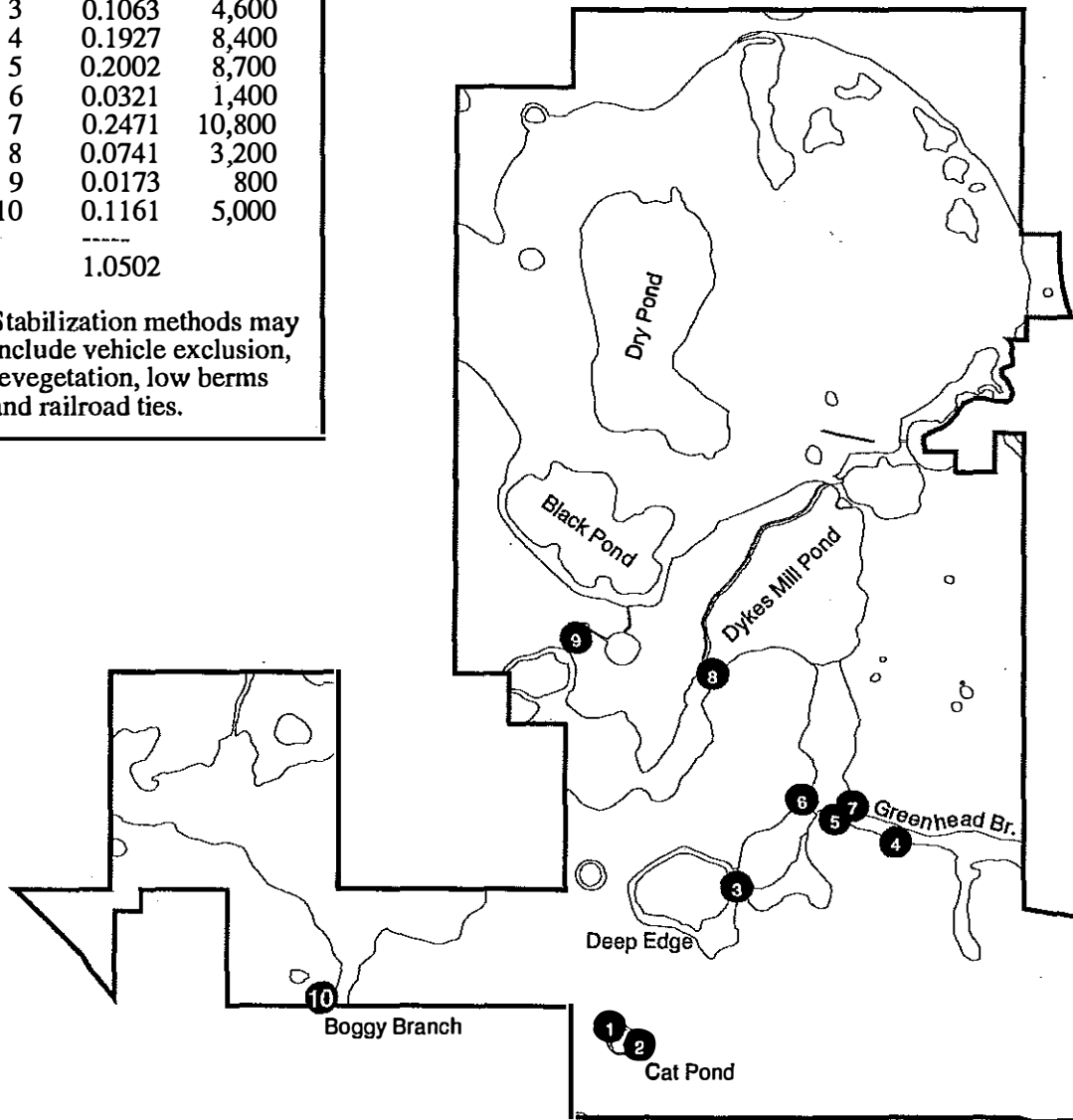


SAJ-2002-5061 (NW-DEB)  
NFWMD/ Sand Hill Lakes Mitigation Bank  
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Figure 9 - Erosion Stabilization Sites

Site	Acres	Sq. Ft.
1	0.0272	1,200
2	0.0371	1,600
3	0.1063	4,600
4	0.1927	8,400
5	0.2002	8,700
6	0.0321	1,400
7	0.2471	10,800
8	0.0741	3,200
9	0.0173	800
10	0.1161	5,000
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		1.0502

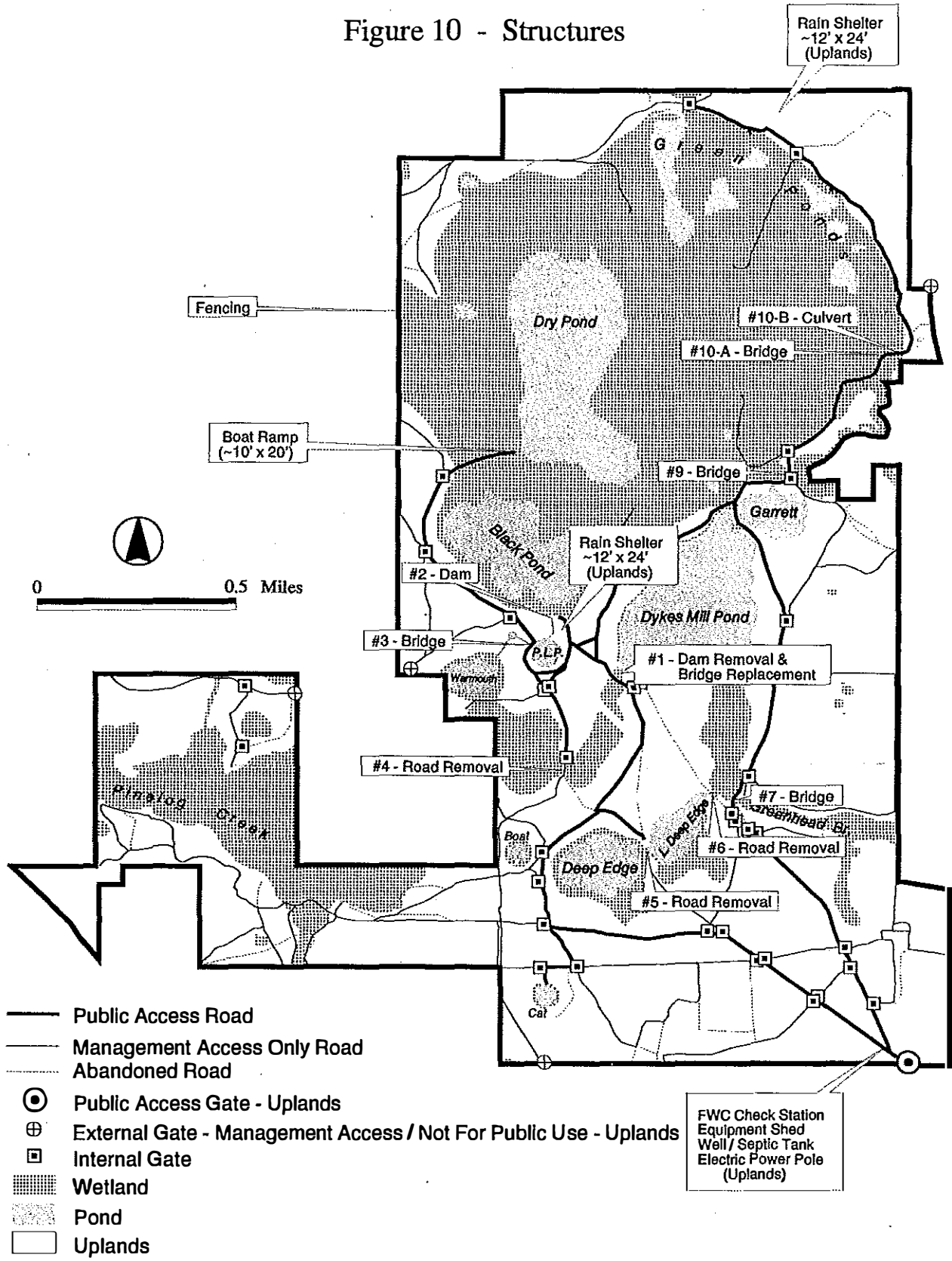
Stabilization methods may include vehicle exclusion, revegetation, low berms and railroad ties.



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NFWMD/ Sand Hill Lakes Mitigation Bank  
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Figure 10 - Structures



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 SAJ-2002-5061 (NW-DEB)  
 NFWFMD/ Sand Hill Lakes Mitigation Bank  
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**CONSTRUCTION  
DRAWINGS  
SHEETS 1-7**

SHEET 1 ..... Boat Ramp  
SHEET 2 ..... Typical Bridge Design  
SHEET 3 ..... Typical Road Cut  
SHEET 4 ..... Culvert Details  
SHEET 5 ..... Black Pond Weir – Front Oblique  
SHEET 6 ..... Black Pond Weir – Plan View  
SHEET 7 ..... Black Pond Weir – Cross Section

See "Figure 10 – Structures" for location of above detail drawings.



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SAJ-2002-5061 (NW-DEB)  
NWFWM/ Sand Hill Lakes Mitigation Bank  
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# BOAT RAMP



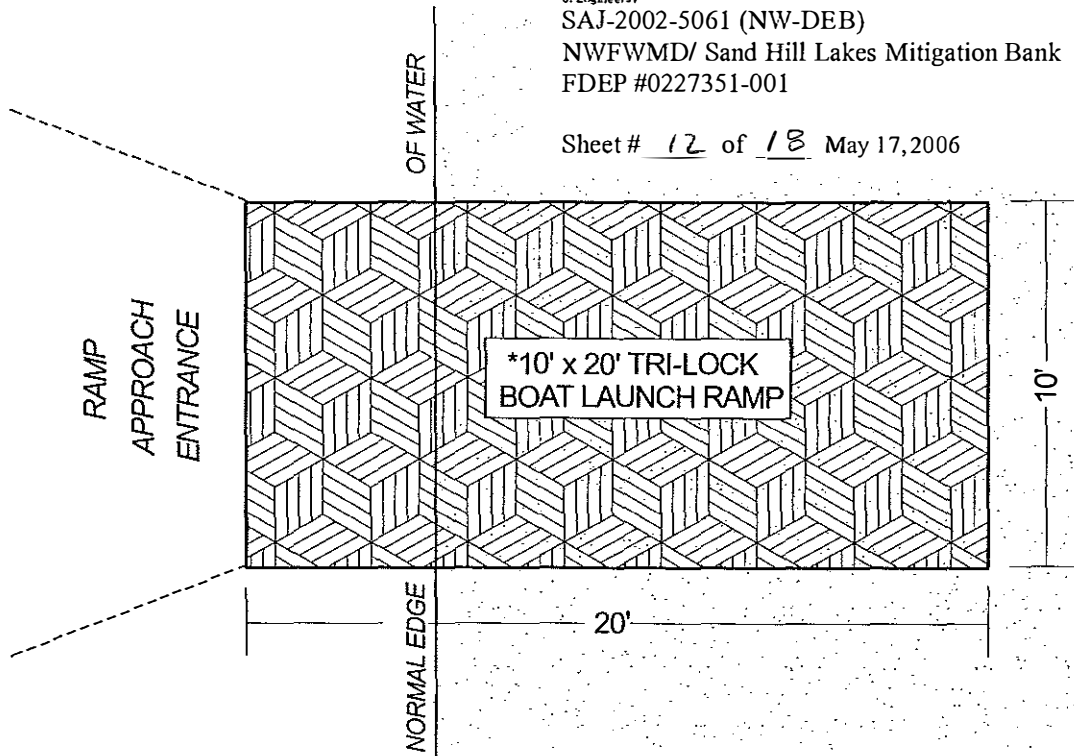
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SAJ-2002-5061 (NW-DEB)

NWFWMD/ Sand Hill Lakes Mitigation Bank

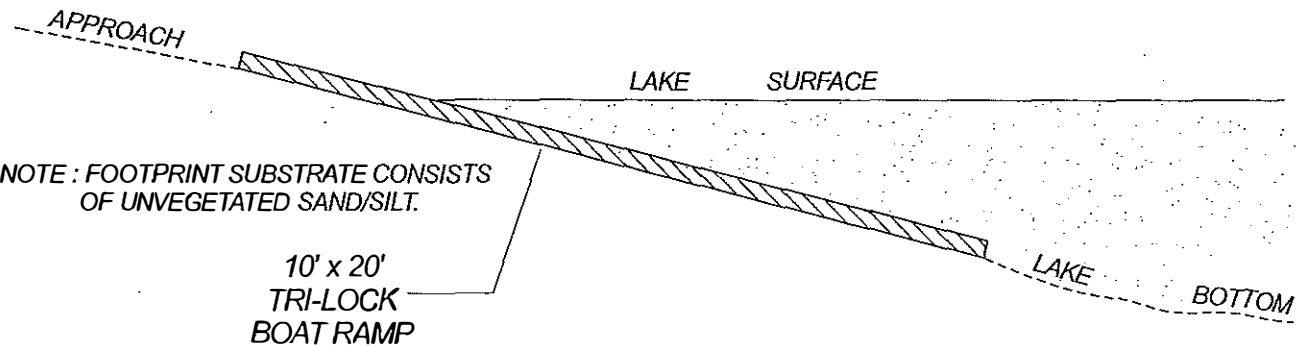
FDEP #0227351-001

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## PLAN VIEW

\*TRI-LOCK (ARTICULATED CONCRETE REVETMENT) OR SIMILAR MATERIAL.  
USE CRUSHED ROCK TO BACKFILL VOIDS IN CONCRETE BLOCKS.



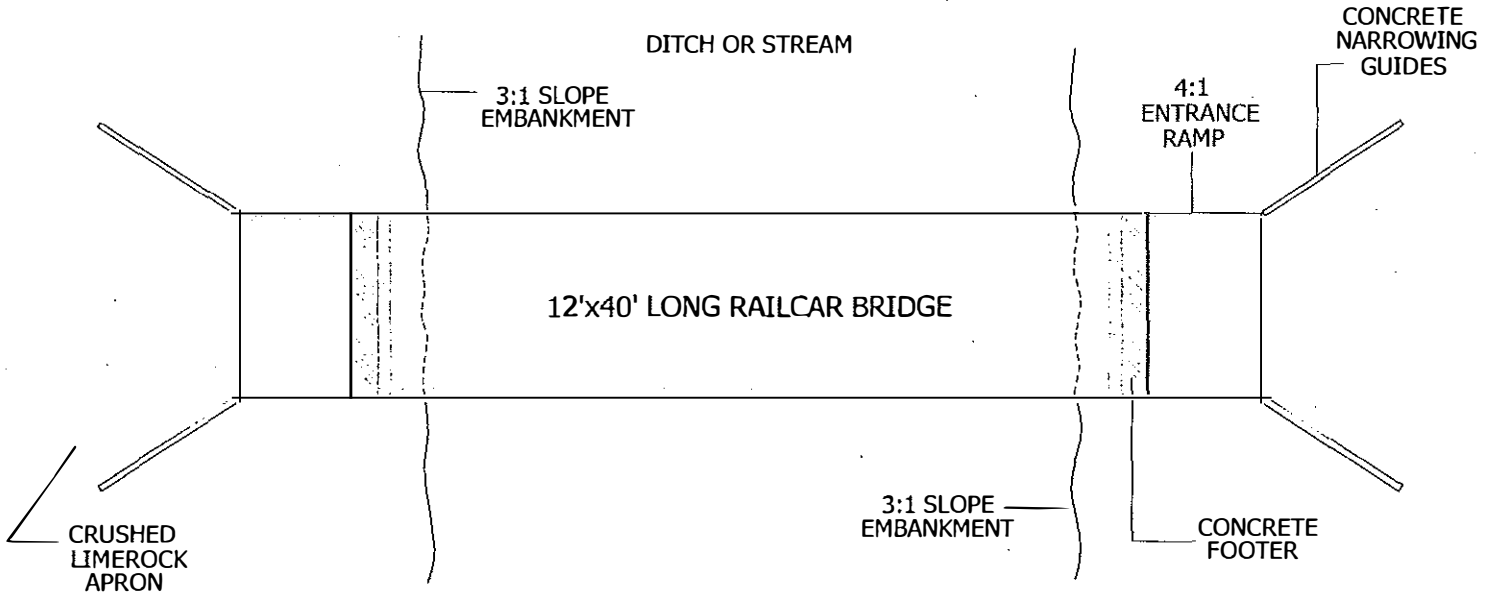
NOTE : FOOTPRINT SUBSTRATE CONSISTS  
OF UNVEGETATED SAND/SILT.

10' x 20'  
TRI-LOCK  
BOAT RAMP

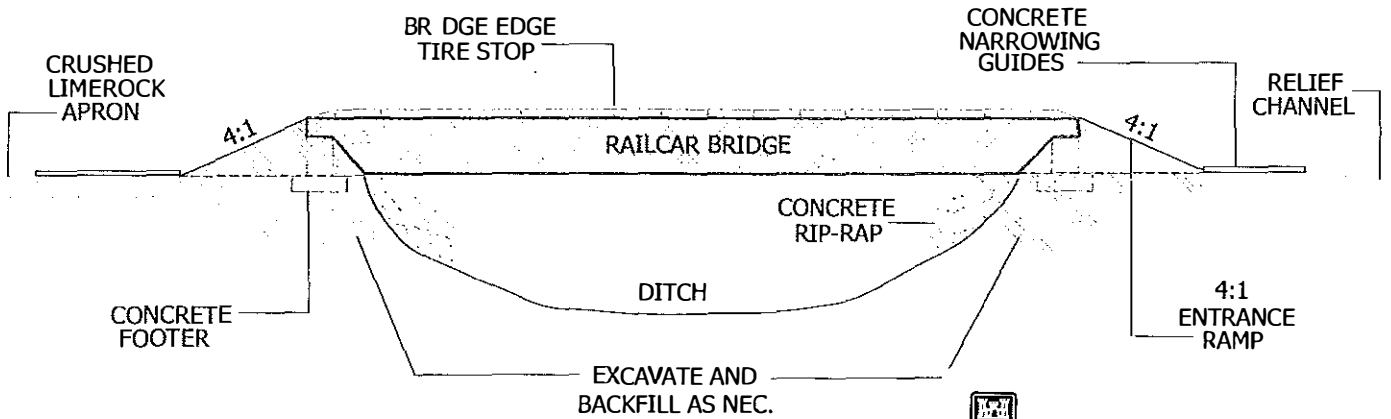
## PROFILE

# TYPICAL BRIDGE DESIGN

NOT TO SCALE



PLAN VIEW



PROFILE VIEW



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SAJ-2002-5061 (NW-DEB)

NWFWMD/ Sand Hill Lakes Mitigation Bank

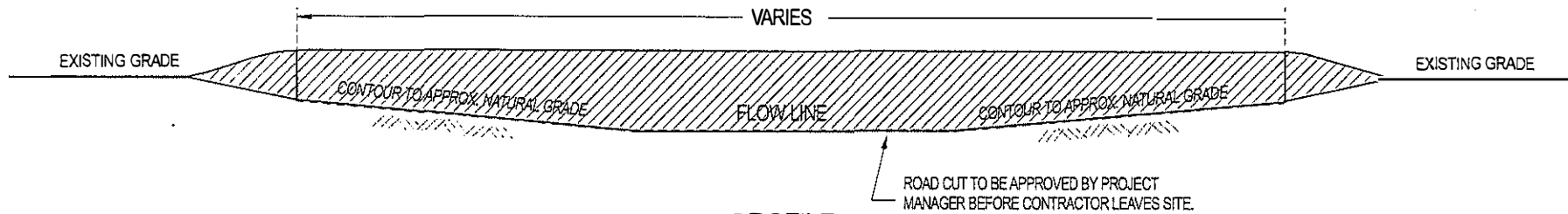
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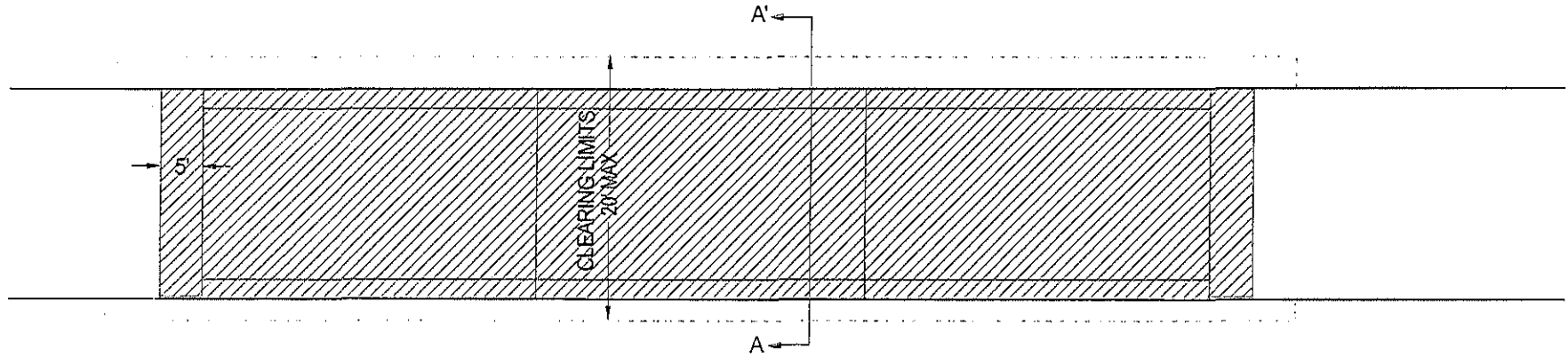
SHEET 2 OF 7

# TYPICAL ROAD CUT

(NOT TO SCALE)



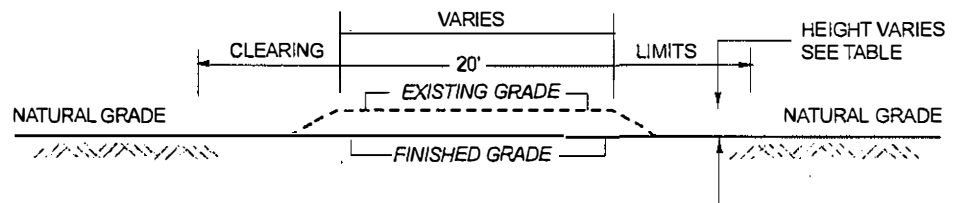
PROFILE



PLAN VIEW

NOTES:

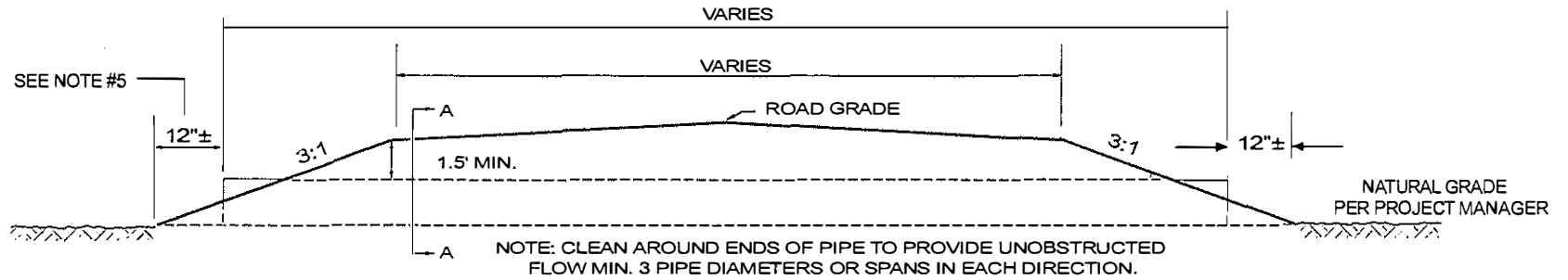
1. REMOVED MATERIAL TO BE PLACED IN ERODING UPLANDS OR OTHER APPROPRIATE UPLAND DISPOSAL SITE.
2. ALL MATERIALS TO BE PROVIDED FROM SITE.
3. VEGETATION ALONG SIDES OF ROAD TO BE REMOVED BY CONTRACTOR WHERE NECESSARY.
4. REPLANT FORMER ROAD FOOT PRINT TO MATCH SURROUNDING COMMUNITY.



SECTION A-A'

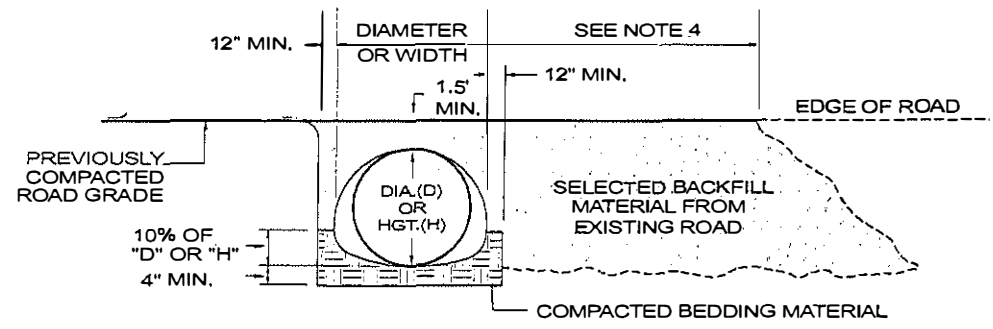
US Army Corps of Engineers  
 SAJ-2002-5061 (NW-DEB)  
 NWFWMID/Sand Hill Lakes Mitigation Bank  
 FDEP #0227351-001  
 Sheet # 14 of 18 May 17, 2006

# CULVERT INSTALLATION

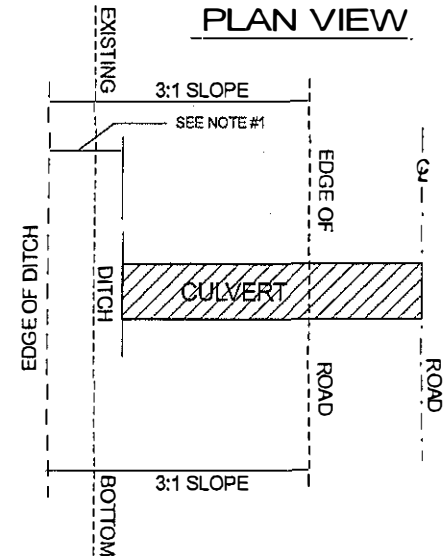


PROFILE

PLAN VIEW

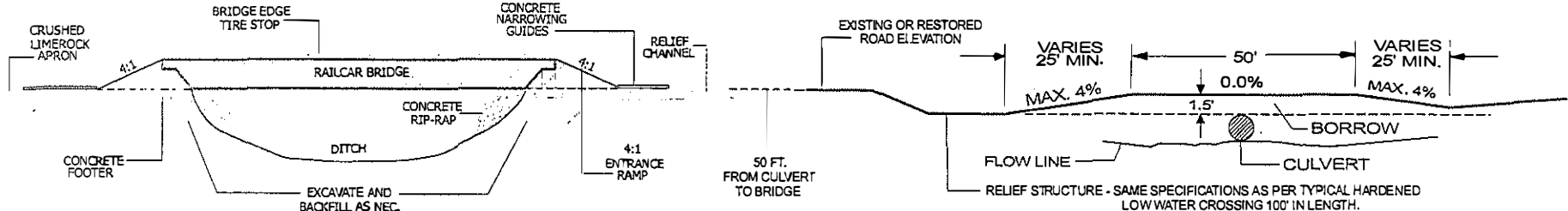


SECTION A-A



## RAILCAR BRIDGE (10A) AND CULVERT (10B) INSTALLATION

ROAD PROFILE AT BRIDGE & CULVERT LOCATION



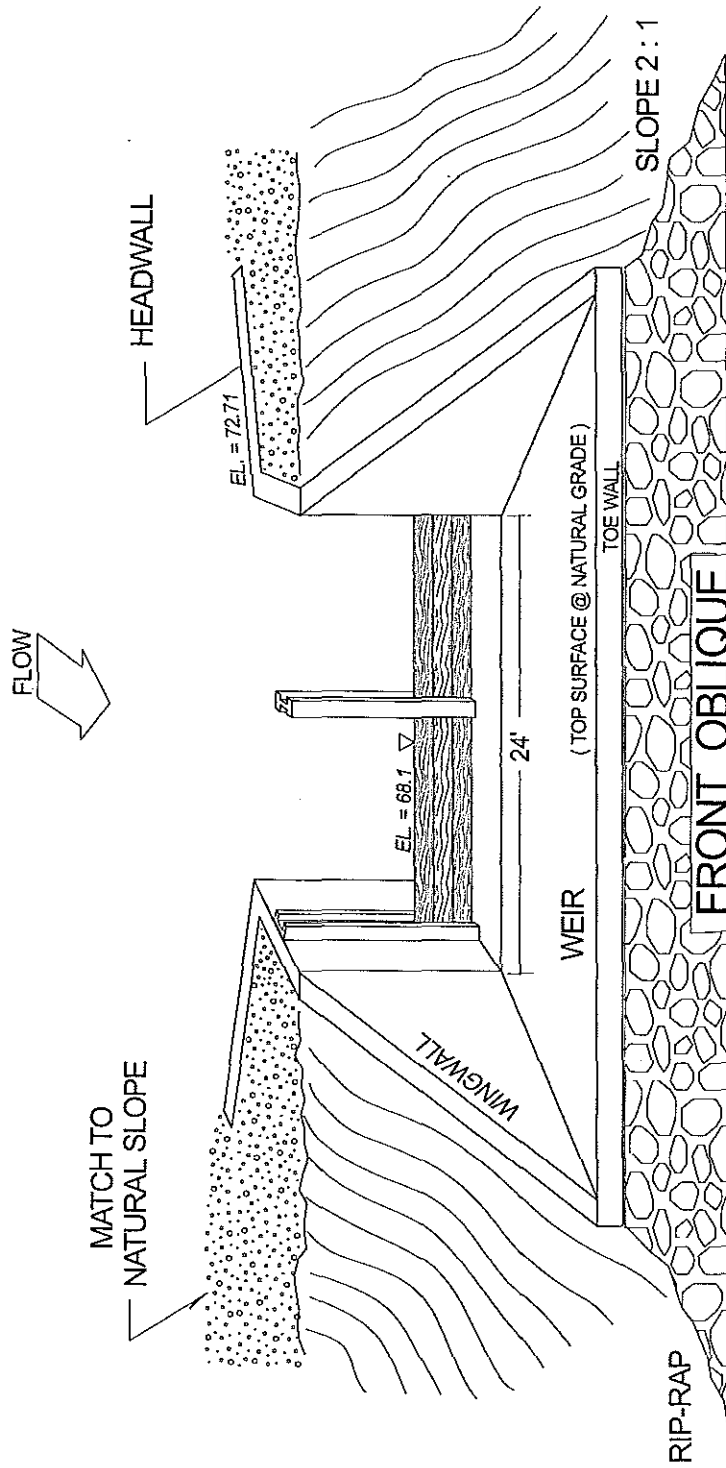
Sheet # 15 of 18 May 17, 2006

US Army Corps of Engineers  
SAJ-2002-5061 (NW-DEB)  
NWFWM/ Sand Hill Lakes Mitigation Bank  
FDEP# 0227351-001

# BLACK POND WEIR DETAIL

N.T.S.

ALL MEASUREMENTS ARE APPROXIMATE

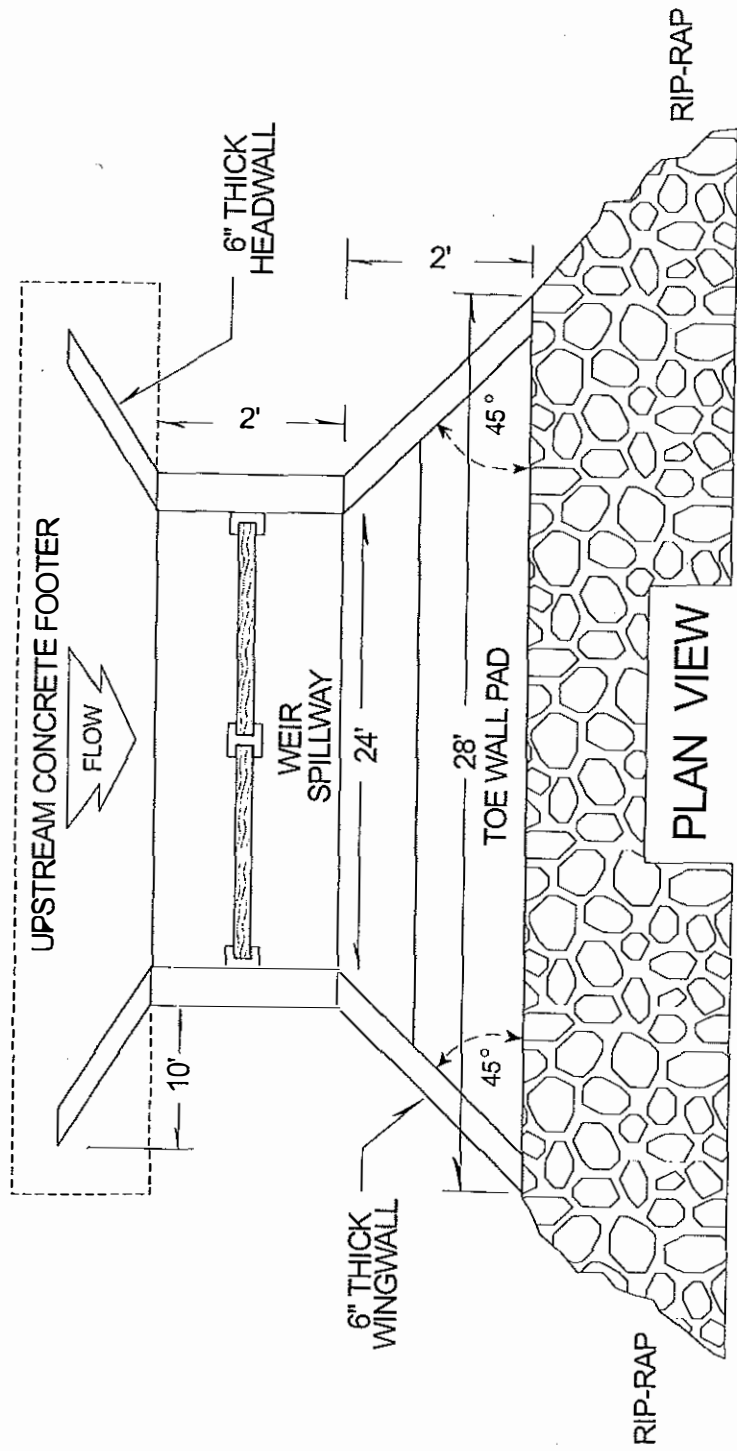


SAJ-2002-5061 (NW-DEB)  
NWFWM/ Sand Hill Lakes Mitigation Bank  
FDEP# 0227351-001

# BLACK POND WEIR DETAIL

N. T. S.

ALL MEASUREMENTS ARE APPROXIMATE

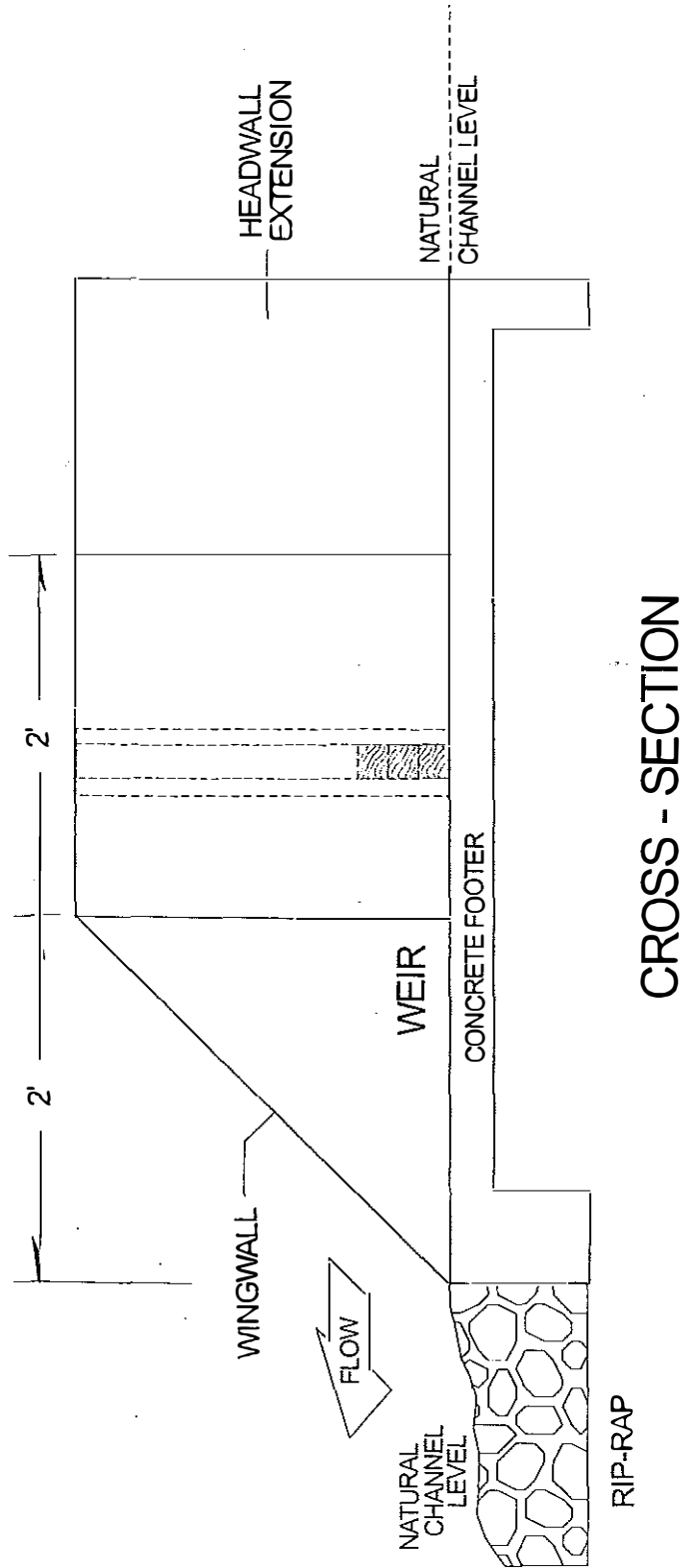




# BLACK POND WEIR DETAIL

N. T. S.

ALL MEASUREMENTS ARE APPROXIMATE



## CROSS - SECTION

