

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT CORPS OF ENGINEERS 10117 PRINCESS PALM AVENUE, SUITE 120 TAMPA, FLORIDA 33610

September 23, 2011

Tampa Permits Section SAJ-2011-01659(NW-MEP)

Manatee County Board of County Commissioners 415 10th Street West Bradenton, FL 34205

Ladies and Gentlemen:

Your application for a Department of the Army permit received on June 3, 2011, has been assigned number SAJ-2011-01659(NW-MEP). A review of the information and drawings provided shows the proposed work is to restore and create native wetland habitats on a 31.29-acre property owned by Manatee County, known as the Ungarelli Preserve. The proposed work consists of 0.48 acres of wetland creation, and 2.56 acres of wetland enhancement. In addition to activities within waters of the U.S., the project includes 2.05 acres of upland enhancement. In order to perform the upland enhancement, a temporary access will be required, which will result in 0.04-acres of temporary impacts to Corps jurisdictional wetlands. The project is located at 4000 Palma Sola Boulevard, Bradenton, in Section 16, Township 35 South, Range 15 East, Manatee County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) Number 27. In addition, project specific conditions have been enclosed. This verification is valid until the NWP is modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are issued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory webpage to access web links to view the Final Nationwide Permits, Federal Register Vol. 72, dated March 12, 2007, the Corrections to the Final Nationwide Permits, Federal Register 72, May 8, 2007, and the List of Regional Conditions. The website address is as follows:

http://www.saj.usace.army.mil/Divisions/Regulatory/sourcebook.htm.

Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 27. 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.

The following special conditions are included with this verification:

- 1. Within 60 days of completion of the work authorized, the attached "Self-Certification Statement of Compliance" must be completed and submitted to the U.S. Army Corps of Engineers. Mail the completed form to the Regulatory Division, Special Projects and Enforcement Branch, 10117 Princess Palm Avenue, Suite 120, Tampa, Florida 33610.
- 2. The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
- 3. No structure or work shall adversely affect or disturb properties listed in the National Register of Historic Places or those eligible for inclusion in the National Register. Prior to the start of work, the Applicant/Permittee or other party on the Applicant's/Permittee's behalf, shall conduct a search of known historical properties by contracting a professional archaeologist, contacting the Florida Master Site File at 850-245-6440 or SiteFile@dos.state.fl.us. The Applicant/Permittee can also research sites in the National Register Information System (NRIS). Information can be found at http://www.cr.nps.gov/nr/research/.

If, during the initial ground disturbing activities and construction work, there are archaeological/cultural materials unearthed (which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, 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), the permittee shall immediately stop all work in the vicinity and notify the Compliance and Review staff of the State Historic Preservation Office at 850-245-6333 and the Corps Regulatory Project Manager to assess the significance of the discovery and devise appropriate actions, including salvage operations. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7.

In the unlikely event that human remains are identified, they will be treated in accordance with Section 872.05, <u>Florida Statutes</u>; all work in the vicinity shall immediately cease and the local law authority, the State Archaeologist (850-245-6444), and the Corps Regulatory Project Manager shall immediately be notified. Such activity shall not resume unless specifically authorized by the State Archaeologist and the Corps.

- 4. Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.
- 5. The Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated February 12, 2004 and provided an attachment to this permit."
- 6. 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 sovereign submerged lands. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization 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 Mark E. Peterson by telephone at 813-769-7065.

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 http://per2.nwp.usace.army.mil/survey.html and complete our automated Customer Service Survey. Your input is appreciated – favorable or otherwise. Again, please be aware this web address is case sensitive and should be entered as it appears above.

Sincerely,

Mark E. Peterson
Project Manager

Enclosures

Copy Furnished (email):

Elizabeth S. Andrews, REM, Senior Project Manager, Stantec Consulting Services, Inc., 6900 Professional Parkway East, Suite 100, Sarasota, FL 34240-8414

bcc:

CESAJ-RD-PE

GENERAL CONDITIONS 33 CFR PART 320-330 PUBLISHED FEDERAL REGISTER DATED 13 NOVEMBER 1986

- 1. The time limit for completing the work authorized ends on March 18, 2012. 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 of 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: NW-27

Application Number: SAJ-2011-01659(NW-MEP)

Permittee's Name & Address (ple	ase print or type):
Date Work Started:	Date Work Completed:
	bank stabilization, residential or ging, etc.):
Acreage or Square Feet of Impact	ts to Waters of the United States:
	if applicable):
Describe any Deviations from Perdeviations):	rmit (attach drawing(s) depicting the
· · · · · · · · · · · · · · · · · · ·	
****	****
_	tigation (if applicable) was done in and conditions as described in the tibed above are depicted on the
	Signature of Permittee
	Date

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2011-01659(NW-MEP)

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 Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEREE-SIGNATURE)	(SUBDIV	ISION)	
(DATE)	(LOT)	(BLOCK)	
(NAME-PRINTED)	(STREET	ADDRESS)	
			
(MAILING ADDRESS)			
(CITY, STATE, ZIP CODE)			

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

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

Revised February 12, 2004

CONSTRUCTION PLANS FOR

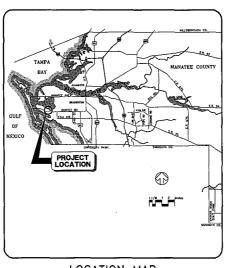
UNGARELLI PRESERVE HABITAT RESTORATION

PART OF SECTION 1, TOWNSHIP 35 SOUTH, RANGE 16 EAST AND PART OF SECTION 6, TOWNSHIP 35 SOUTH, RANGE 15 EAST, MANATEE COUNTY, FLORIDA

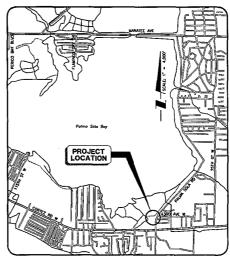
CLIENT:

BOARD OF COUNTY COMMISSIONERS MANATEE COUNTY, FLORIDA

P.O. BOX 1000 **BRADENTON, FL. 34206-1000**



LOCATION MAP



SITE MAP

INDEX TO SHEETS

HEE1	DE	SCRIPT	10N		
1	COVE	COVER SHEET			
2	SITE	SITE PLAN			
3	SITE	GRADING PLAN	N - UPLAND 'F' & WETLAN	D CREATION ARE	A
4	SECTI	ONS AND DET	AILS - UPLAND 'F' & WETI	LAND CREATION	AREA
5	SITE	GRADING PLAN	1 - UPLAND 'B'		
6	SECT	ONS AND DET	AILS - UPLAND 'B'		
7	PLAN	TING NOTES A	ND PALETTES		
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STATUS REVISIONS COUNTY					
	ROJECT AMON M	ECOLOGIST	PROJECT MANAGER ELIZABETH ANDREWS	PROJECT END R. GUINCE SEL FLORIDA LICENS	1 CDC DE
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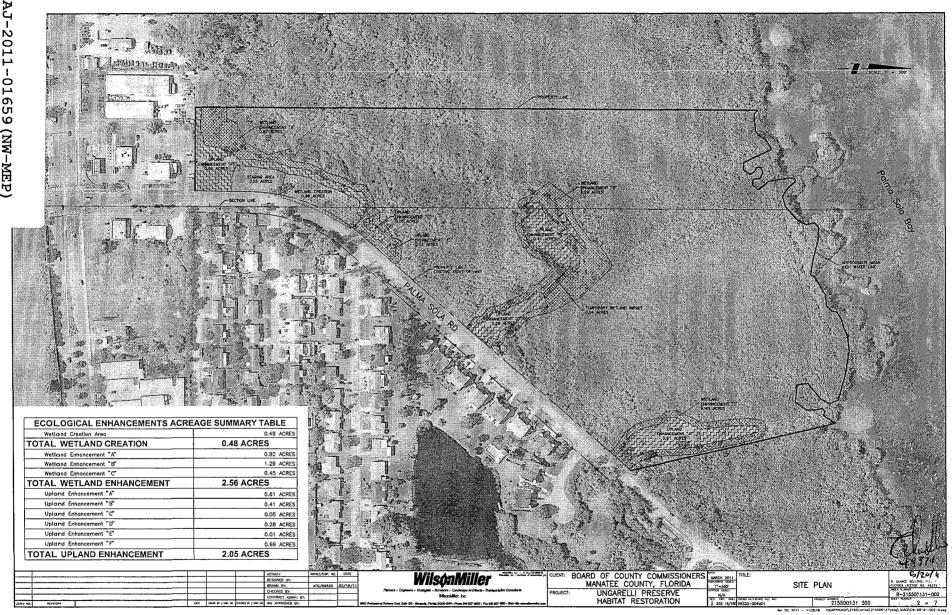
WilsonMiller, Inc.

6900 Professional Parkway East, Suite 100 « Sarasota, Florida 34240-8414 » Phone 941-907-6900 « Fax 941-907-6910 « Web Site www.wisonmiller.com

PROJECT NUMBER 215500131 300

MARCH 2011

INDEX NUMBER D-215500131-001

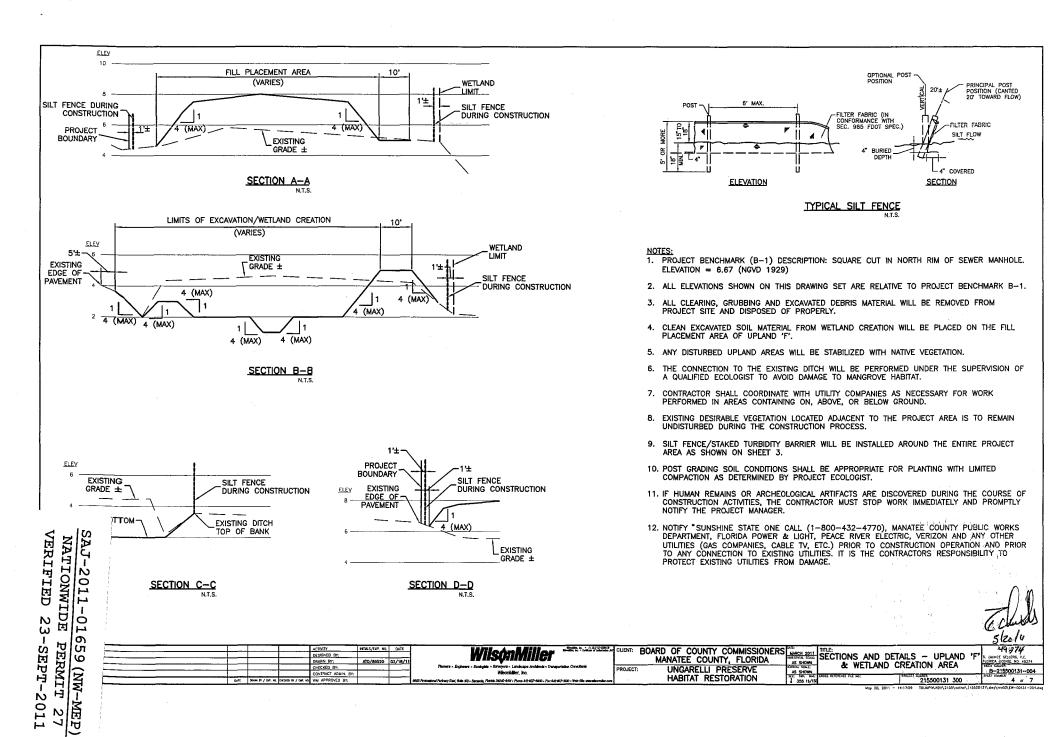


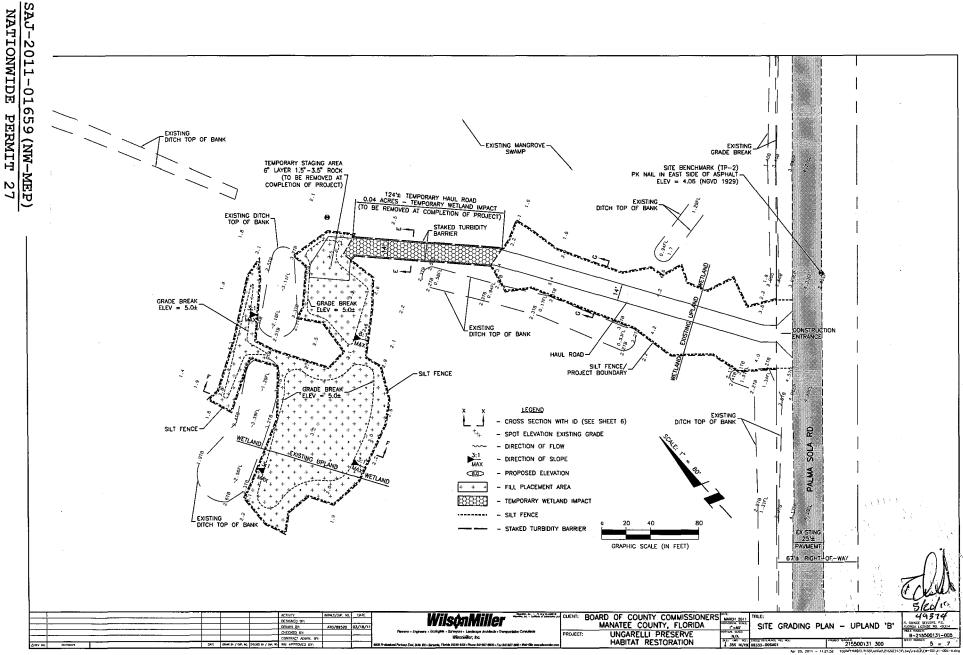
SAJ-2011-01659 (NW-MEP)
NATIONWIDE PERMIT 27 VERIFIED 23-SEPT-2011 LEGEND - CROSS SECTION WITH ID (SEE SHEET 4) - SPOT ELEVATION EXISTING GRADE SIDE SLOPE 4:1 MAX FILL PLACEMENT AREA GRAPHIC SCALE (IN FEET) PROJECT BOUNDARY EXISTING ROAD/PAVEMENT EXISTING
DITCH TOP OF BANK 10'± WIDE MULCHED TRAIL DIRECTION OF FLOW -EXISTING OAK TREE **4:1** MAX DIRECTION OF SLOPE - PROPOSED GRADE CONTOUR -EXISTING MANGROVE --(B.0) - PROPOSED ELEVATION ----- - SILT FENCE GRADE BREAK - STAKED TURBIDITY BARRIER -EXISTING PALM TREE _WETLAND LIMITS ELEV = 2.0 ± EXISTING OAK TREE EXISTING BAY TREE -SILT FENCE GRADE BREAK ELEV = 5.0 ± SILT FENCE/ PROJECT BOUNDARY PALMA SOLA RD EXISTING UTILITY
POLE W/ GUY WIRES EXISTING PINE TREE-SITE BENCHMARK (B-1)
SQUARE CUT IN NORTH RIM
OF SEWER MANHOLE
ELEV = 6.67 (NGVD 1929) EXISTING
DITCH TOP
OF BANK EXISTING. EXISTING GATE VALVE-STAKED TURBIDITY EXISTING UTILIT POLE W/ GUY WIR 5/20/11 CUENT: BOARD OF COUNTY COMMISSIONERS

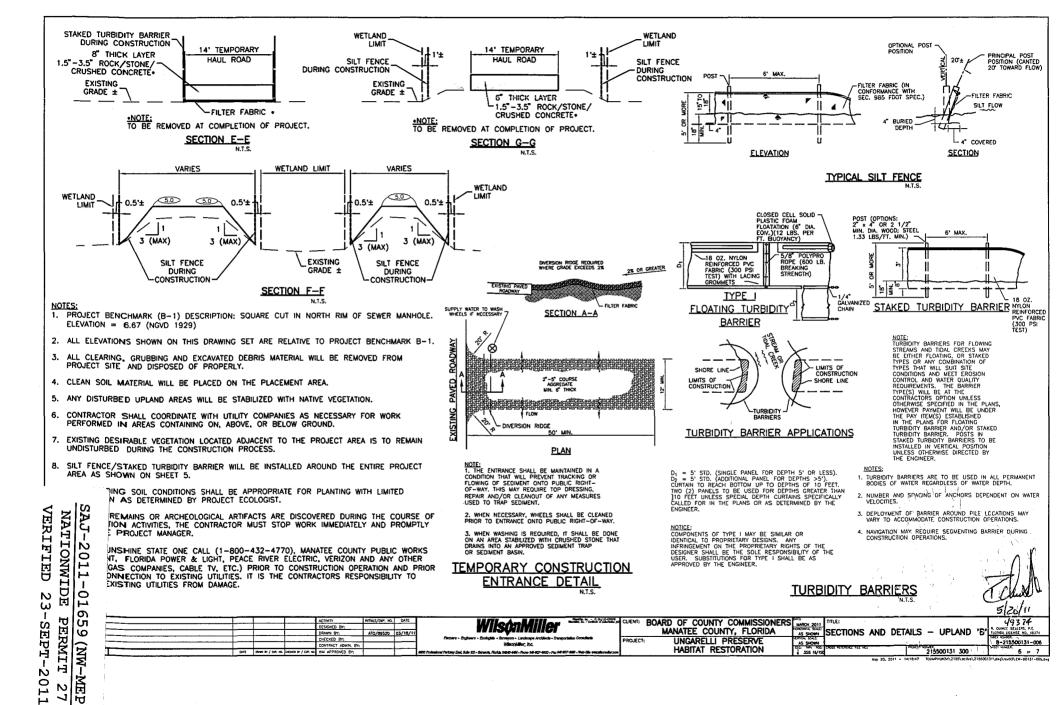
MANATEE COUNTY, FLORIDA

PROJECT: UNGARELLI PRESERVE
HABITAT RESTORATION

1. 255 11/142
1. 255 11/142 WilsonMiller SITE GRADING PLAN — UPLAND 'F' & WETLAND CREATION AREA INTULS/CUP. NO. DATE 49374 DESIGNED BY:
DRAWN BY:
CHECKED BY:
CONTRACT AD ATO/89520 03/18/11 B-215500131-003 215500131 300







UPLAND ENHANCEMENT AREAS:

THE GOAL IN THESE AREAS IS TO RESTORE THE COASTAL UPLAND HABITAT THAT WILL PROVIDE MUCH NEEDED UPLAND SUPPORT FOR EXISTING ONSITE WETLANDS. CURRENTLY THESE AREAS ARE VEGETATED WITH RUDERAL VEGETATION THAT HAS RECRUITED SINCE EXOTIC SPECIES OVERGOWTH WAS REMOVED IN DECEMBER 2009. FOLLOW UP HERBICIDE TREATMENTS WILL BE PERFORMED TO REMOVE REGROWTH OF NUISANCE AND EXOTIC VEGETATION. THESE AREAS WILL BE SMOOTHED OUT WITH GRADING EQUIPMENT AND THE MATERIAL FROM THE EXCAVATION OF THE WETLAND CREATION AREA WILL BE SPREAD THROUGHOUT THE UPLAND "F" (REFER TO SHEET 3). NO FILL WILL BE PLACED OR GRADED IN AREAS CONTAINING DESIRABLE VEGETATION. FOLLOWING GRADING THESE AREAS WILL BE PLANTED WITH NATIVE COASTAL FOLLOWING GRADING THESE AREAS WILL BE PLANTED WITH NATIVE COASTAL UPLAND SPECIES, NATURAL RECRUITMENT OF NATIVE DESIRABLE GROUND COVER SPECIES IS EXPECTED IN MOST AREAS WITH SELECTIVE REMOVAL OF NUISANCE AND EXOTIC VEGETATION. AREAS WITHIN THE UPLAND ENHANCEMENT AREA THAT RECEIVE FILL FROM THE WETLAND CREATION EXCAVATION SHOULD BE SEEDED BY HYDRO-SEEDING, SEED DRILL OR DIRECT APPLICATION WITH A MIXTURE OF NATIVE SEED AT A RATE OF 12 TO 15 LBS OF SEED PER ACRE AS DETERMINED APPROPRIATE BY A QUALIFIED ECOLOGIST, REFER TO THE SUGGESTED PLANTING PALETTE BELOW:

Upland Enhancement Areas Planting Palette		
Common Name	Scientific Name	Relative Elevation/Area
Buttonwood	Conocarpus erectus	lowest elevations
Christmasberry	Lycium carolinianum	lowest elevations
Red Cedar	Juniperus virginiana	low to middle elevations
Wild Cotton	Gossypium hirsutum	low to middle elevations
Jamaica Caper	Capparis cynophallophora	middle elevations
Myrsine	Rapenea punctata	middle elevations
Cabbage Palm	Sabal palmetto	middle elevations
White Stopper	Eugenia axillaris	middle elevations
Spanish Stopper	Eugenia foetida	middle elevations
Marlberry	Ardisia escallonioldes	middle elevations
Sea Grape	Coccoloba uvifera	middle elevations
Yellow Necklacepod	Sophora tomentosa	middle elevations
Gumbo Limbo	Bursera simaruba	highest elevations
Wax Myrtle	Myrica cerifera	highest areas "F & B" only
Saw Palmetto	Serenoa repens	highest areas "F & B" only
Live Oak	Quercus virginiana	highest areas "F & B" only
South Florida Slash Pine	Pinus elliottii var. densa	highest areas "F & B" only

USACE WATERS OF THE U.S. TEMPORARY FILL IMPACTS TOTAL AREA TOTAL FILL 0.04 AC 43 CY ±

WETLAND CREATION AREA;

THIS AREA WILL BE EXCAVATED FROM EXISTING GRADE AT A 4:1 SLOPE TO A BOTTOM ELEVATION THAT WILL VARY BETWEEN 0.0' AND 3.0' NGVD. THIS AREA WILL HAVE A DIRECT HYDROLOGIC CONNECTION TO THE EXISTING MANGROVE SWAMP ON THE NORTHERN EDGE OF THE WETLAND CREATION AREA VIA AN EXISTING DITCH IN THE AREA (REFER TO SHEET 3) AREAS DEEPER THAN 2.0' WILL NOT BE PLANTED. THE ELEVATED AREAS LOCATED WITHIN THE CREATED WETLAND WILL BE PLANTED WITH BUTTONWOOD (CONOCARPUS ERECTUS) TO PROVIDE INCREASED VEGETATION STRUCTURE FOR THE CREATION AREA. AREAS AT OR ABOVE 2.0' NGVD WILL BE PLANTED WITH NATIVE HIGH MARSH VEGETATION. SIDE SLOPES OF THE WETLAND CREATION AREA WILL ALSO BE PLANTED WITH SALT TOLERANT NATIVE SPECIES. REFER TO THE SUGGESTED PLANTING PALETTE BELOW:

Wetland Creation Area Planting Palette		
Common Name	Scientific Name	Specified Elev. NGVD
Seashore Paspalum	Paspalum vaginatum	2'
Dropseed	Sporobolus virginicus	2'
Saltgrass	Distichilis spicata	2'
Marsh Hay Cordgrass	Spartina patens	2.1'-3'
Marsh Elder	Iva frutescens	2.1'-3'
Sea Oxeye Daisy	Borrichia frutescens	2.1'-3'
Buttonwood	Conocarpus erectus	3'-5'
Scorpions Tail	Heliotropium anaiospermum	3'-5'
Dune Sunflower	Helianthus debilis sbsp. vestitus	3'-5'
Gulf Muhlygrass	Muhlenbergia capillaris	4'-5'
Florida Privet	Forestiera segregata	4'-5'

WETLAND ENHANCEMENT AREAS:

CURRENTLY EXOTIC VEGETATION AND LITTER IS SCATTERED THROUGHOUT THE WETLAND ENHANCEMENT AREAS. LITTER AND EXOTIC AND NUISANCE PLANTS AND WILL BE REMOVED IN THESE AREAS AS THE FIRST STEP IN ENHANCING THE WETLANDS. (REFER TO SHEET 2) HEAVY EQUIPMENT WILL BE NEEDED TO REMOVE DEBRIS AND PULL STUMPS OF LARGE BRAZILIAN PEPPER TREES. THIS WILL BE DONE FROM THE UPLAND PORTIONS OF THE SITE USING A TRACK HOE WITH A THUMB BUCKET, OTHER NUISANCE SPECIES WILL BE REMOVED BY HAND, AFTER VEGETATION AND DEBRIS IS REMOVED ANY NECESSARY RE-GRADING AND RE-PLANTING WILL BE DONE. ALL WORK PERFORMED IN WETLANDS WILL BE SUPERVISED BY A QUALIFIED ECOLOGIST TO ENSURE MINIMAL DAMAGE IS DONE TO EXISTING DESIRABLE VEGETATION DURING WETLAND ENHANCEMENT. REFER TO THE SUGGESTED PLANTING PALETTE BELOW:

•			
Wetland Enhancement Areas Planting Palette			
Common Name	Scientific Name	Relative Elevation/Area	
Giant Leather Fern	Acrostichum danaeifolium	near freshwater inputs	
Sea purslane	Sesuvium portulacastrum	lower areas	
Needlerush	Juncus roemerianus	lower areas	
Saltgrass	Distichilis spicata	higher areas	
Dropseed	Sporobolus virginicus	higher areas	
Socchara Pacpalum	Pacaelum vaginatum	higher areas	

DESIGNED B

BOARD OF COUNTY COMMISSIONERS

MANATEE COUNTY, FLORIDA

PROJECT: UNGARELLI PRESERVE

HABITAT RESTORATION

WARCH 2011 PLANTING NOTES AND PALETTES

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