Memorandum

MIAMI-DADE COUNTY

Date: May 3, 2011

To: Honorable Joe A. Martinez, Chairman
and Members, Board of County Commissioners

From: Alina T. Hudak
County Manager

Agenda Item No. 5(F)

Subject: Resolution Relating to an Application by Florida International University for a Class I Permit to Dredge and Fill Tidal Waters for the Replacement of a Boat Ramp at 3000 NE 151 Street, North Miami, Miami-Dade County, Florida

---

Attached, please find for your consideration an application by Florida International University for a Class I permit. Also attached is the recommendation of the Director of the Department of Environmental Resources Management and a proposed resolution approving the issuance of the Class I permit.

Assistant County Manager

Date: April 13, 2011

Memorandum

MIAMI-DADE COUNTY

To: Alina T. Hudak
County Manager

From: Carlos Espinosa, P.E., Director
Environmental Resources Management

Subject: Resolution Relating to an Application by Florida International University for a Class I Permit to Dredge and Fill Tidal Waters for the Replacement of a Boat Ramp at 3000 NE 151 Street, North Miami, Miami-Dade County, Florida

---

Recommendation
I have reviewed the attached Class I permit application submitted by Florida International University (FIU). Based upon the applicable evaluation factors set forth in Section 24-48.3 of the Code of Miami-Dade County (Code), Florida, I recommend that the Board of County Commissioners (Board) approve the issuance of a Class I permit for the reasons set forth below.

Scope
The site is located on the FIU Biscayne Bay Campus at 3000 NE 151 Street, North Miami, Miami-Dade County, in Commission District 4.

Fiscal Impact/Funding Source
Not applicable.

Track Record/Monitor
Not applicable.

Background
The subject Class I permit application requests authorization to dredge and fill tidal waters for the replacement of a boat ramp on the FIU Biscayne Bay Campus in the City of North Miami. The proposed project is required to be reviewed and approved by the Board at a public hearing because the scope of work is not specifically referenced in Section 24-48.2 of the Code as work that can be processed administratively with a short form application. Therefore, a standard form application including a public hearing is required.

The existing boat ramp is located in the northeast corner of the campus and is currently used by FIU staff, faculty and students for marine science education and research activities. The boat ramp has been at the property since at least 1998 and consists of a 45.5 foot long by 10.5 foot wide concrete slab located partially below the mean high water line. To accommodate the vessels used by the FIU marine science program, the applicant is proposing the replacement and expansion of the boat ramp and the relocation of a floating dock. The replacement and expansion of the boat ramp will result in the dredging and filling of 435.8 square feet of tidal waters and the removal of 70 square feet of isolated mangrove trees.

Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized. A biological survey conducted by the Department of Environmental Resources Management (DERM) staff revealed no significant benthic resources in the area of the proposed work. Therefore, impacts to benthic resources as a result of the proposed work are not expected. The project has been designed to minimize dredging and filling of tidal waters by utilizing the entire footprint of the existing boat ramp, and limiting the expansion to approximately 3.5 feet on both sides. A riprap wall is being incorporated into the expansion area to stabilize the sides of the ramp

and prevent erosion along the adjacent wetland areas. Approximately 435.8 square feet of unvegetated bottom will be dredged and filled for the proposed project. Minor loss of habitat and temporary water quality impacts typically associated with dredging and filling of tidal waters are anticipated as a result of this project. To mitigate for these impacts, the applicant has agreed to provide a contribution to the Biscayne Bay Environmental Enhancement Trust Fund (BBEETF) in the amount of $392.22 that will be used for the creation of marine habitat.

A portion of the proposed boat ramp will be installed in an upland area adjacent to wetlands supporting halophytic (salt tolerant) vegetation, predominantly *Rhizophora mangle* (red mangroves), with a small percentage of *Laguncularia racemosa* (white mangroves) and *Conocarpus erectus* (buttonwoods). Potential impacts to halophytic vegetation will be minimized by the use of best management practices to avoid impacts, including tying back mangrove branches that are within the construction area rather than trimming. However, the proposed project will result in unavoidable impacts to 70 square feet of isolated mangrove trees that will be removed to accommodate the proposed boat ramp. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation, restoration or enhancement of halophytic wetlands.

The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for *Trichechus manatus* (West Indian Manatee). DERM staff believes that the project is consistent with the recommendations of the MDCMPP because the vessels associated with the boat ramp will only be utilized by university faculty, staff and students for the marine science education and research programs. Therefore, the frequency of vessel deployment is expected to be low and will not result in additional vessel traffic in the area. The Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

The proposed project complies with Section 24-48.3(2) of the Code as related to the criteria for the minimum dredging and filling for the creation and maintenance of marinas, piers, docks, and attendant navigational channels. The project has been designed in accordance with all relevant Miami-Dade County coastal and wetland construction criteria and is consistent with all other Miami-Dade County coastal and wetland protection provisions. Please find attached a DERM Project Report which sets forth the reasons the proposed project is recommended for approval by DERM pursuant to the applicable evaluation factors set forth in Section 24-48.3 of the Code. The conditions, limitations, and restrictions set forth in the Project Report attached hereto are incorporated herein by references hereto.

Attachments

Attachment A: Class I Permit Application
Attachment B: Owner/Agent Letter, Engineer Certification Letter and Project Sketches
Attachment C: Zoning Memorandum
Attachment D: Names and Addresses of Owners of All Riparian Property within Three Hundred (300) Feet of the Proposed Work
Attachment E: South Florida Water Management District (SFWMD) Permit
Attachment F: DERM Project Report

NOTICE OF PUBLIC HEARING ON AN APPLICATION BY FLORIDA INTERNATIONAL UNIVERSITY FOR A CLASS I PERMIT TO DREDGE AND FILL TIDAL WATERS FOR THE REPLACEMENT OF A BOAT RAMP AT 3000 NE 151 STREET, NORTH MIAMI, FLORIDA

BOARD OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

NOTICE IS HEREBY GIVEN pursuant to Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County that the Board of County Commissioners of Miami-Dade County will hold and conduct a public hearing on a request by Florida International University for a Class I permit to dredge and fill tidal waters for the replacement of a boat ramp at 3000 NE 151 Street, North Miami, Florida. Such public hearing will be held on the 3rd day of May 2011 at 9:30 AM in the County Commission Chambers on the 2nd Floor of the Stephen P. Clark Center at 111 NW 1st Street in Miami, Florida. Plans and details concerning the work requested in the application may be reviewed by interested persons at the office of the Miami-Dade County Department of Environmental Resources Management, 6th Floor, 701 NW 1st Court, Miami, Florida 33136.

Oral statements will be heard and appropriate records made. For accuracy of records, all important facts and arguments should be prepared in writing in triplicate, with two copies being submitted to the Deputy Clerk of the County Commission at the hearing or mailed to her beforehand (Diane Collins, Deputy Clerk), 111 NW 1st Street, Stephen P. Clark Center, Suite 17-202, Miami, Florida 33128; and with one copy being submitted beforehand to the Miami-Dade County Department of Environmental Resources Management, 701 NW 1st Court, Miami, Florida 33136.

A person who decides to appeal any decision made by any Board, Agency, or Commission with respect to any matter considered at its meeting or hearing, will need a record of proceedings. Such person may need to ensure that a verbatim record of the proceedings is made, including the testimony and evidence upon which the appeal is to be based.

BOARD OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

HARVEY RUVIN, CLERK

BY: _____
Diane Collins, Deputy Clerk

MEMORANDUM

(Revised)

TO: Honorable Chairman Joe A. Martinez and Members, Board of County Commissioners

DATE: May 3, 2011

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 5(F)

Please note any items checked.

_____ **"3-Day Rule" for committees applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

✓ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **No committee review**

_____ **Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous _____) to approve**

_____ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

5

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 5(F)
5-3-11

RESOLUTION NO. _____

RESOLUTION RELATING TO AN APPLICATION BY FLORIDA INTERNATIONAL UNIVERSITY FOR A CLASS I PERMIT TO DREDGE AND FILL TIDAL WATERS FOR THE REPLACEMENT OF A BOAT RAMP AT 3000 NE 151 STREET, NORTH MIAMI, FLORIDA

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board having considered all the applicable factors contained within Section 24-48.3 of the Code of Miami-Dade County, hereby approves the application by Florida International University for a Class I permit to dredge and fill tidal waters for the replacement of a boat ramp at 3000 NE 151 Street, North Miami, Florida, subject to the conditions set forth in the memorandum from the Director of the Miami-Dade County Department of Environmental Resources Management, a copy of which is attached hereto and made a part hereof. The issuance of this approval does not relieve the applicant from obtaining all applicable Federal, State, and local permits.

The foregoing resolution was offered by Commissioner ,

who moved its adoption. The motion was seconded by Commissioner

and upon being put to a vote, the vote was as follows:

Joe A. Martinez, Chairman
Audrey M. Edmonson, Vice Chairwoman

Bruno A. Barreiro	Lynda Bell
Jose "Pepe" Diaz	Sally A. Heyman
Barbara J. Jordan	Jean Monestime
Dennis C. Moss	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 3rd day of May, 2011. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By:_____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Abbie Schwaderer-Raurell

7

Attachment A

Class I Permit Application

MIAMI-DADE COUNTY

Class I Permit Application

FOR DEPARTMENTAL USE ONLY

RECEIVED

Date Received:

MAR 10 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration Division (NRRRD)

Application Number: 2010-CLI-PER-00193

Application Fee: $2,318.00

Application must be filled out in its entirety. Please indicate N/A for non-applicable fields.

1. Applicant Information:

Name: Florida International University

Address: 11200 SW 8th Street, PC 523A

Miami, Florida Zip Code: 33199

Phone #: (305) 348-2101 Fax#: (305) 348-3678

Email: kenneth.jessell@fiu.edu

* This should be the applicant's information for contact purposes.

2. Applicant's Authorized Permit Agent:

Agent is allowed to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.

Name: Jeffry Marcus, Vice President, Corzo Castella Carballo Thompson Salman, P.A.

Address: 901 Ponce De Leon Boulevard

Miami, Florida Zip Code: 33134

Phone #: (305) 445-2900 Fax #: (305) 445-3366

Email: jeffrym@C3TS.com

3. Location where proposed activity exists or will occur (latitude and longitude are only necessary for properties without address or folio #):

Folio #(s): 06-2222-000-0020 Latitude: ____ Longitude: ____

Street Address: 3000 NE 151st Street Section: 22 Township: 52 Range: 42

In City or Town: Miami, Florida Near City or Town: ____

Name of waterway at location of the activity: Biscayne Bay

4. Describe the proposed activity (check all that apply):

- ☐ Seawall
  - ☐ New/Replacement Seawall
  - ☐ Seawall Cap
  - ☐ Batter Piles
  - ☐ King Piles
  - ☐ Footer/Toe Wall
  - ☐ Riprap
- ☐ Dock(s)
  - ☐ Pier(s)
  - ☐ Viewing Platform
- ☐ Boatlift
  - ☐ Mooring Piles
  - ☐ Fender Piles
  - ☐ Davits
- ☒ Dredging
  - ☒ Maintenance
  - ☐ New
- ☒ Filling
- ☐ Mangrove Trimming
- ☒ Mangrove Removal

☒ Other: Replace a boat ramp.

Estimated project cost = $ 75,000.00

Are you seeking an after-the-fact approval (ATF)? ☐ Yes ☒ No If "Yes", describe the ATF work: ____

5. Proposed Use (check all that apply):

- ☐ Single Family
- ☐ Multi-Family
- ☒ Private
- ☐ Public
- ☐ Commercial
- ☐ Industrial
- ☐ Utility

6. If the proposed work relates to the mooring of vessels provide the following information (please also indicate if the applicant does not have a vessel):

Proposed Vessel Type (s): Power Vessels

Vessel Make/Model (If known): Various

Draft (s)(range in inches.): 6" to 18" Length (s)(range in feet.): 16 to 30 feet

Total Number of Slips: No vessels to be moored in the area (vessels to be stored on the upland)

7. List all permits or certifications that have been applied for or obtained for the above referenced work:

Issuing Agency	Type of Approval	Identification Number	Application Date	Approval Date
AOCE & SFWMD	Joint ERP		June 2010	

Revised 11/16/09

9

RECEIVED

MAR 10 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration Division (NRRRD)

8. Contractor Information (If known):

Name: Bunnell Foundation, Inc. License # (County/State): E236

Address: 3033 NW North River Drive, Miami, Florida Zip Code: 33142

Phone #: (305) 663-3369 Fax #: E-mail:

9. IMPORTANT NOTICE TO APPLICANTS: The written consent of the property owner is required for all applications to be considered complete. Your application WILL NOT BE PROCESSED unless the Applicant **and** Owner Consent portion of the application is completed below. You have the obligation to apprise the Department of any changes to information provided in this application.

Application is hereby made for a Miami-Dade County Class I permit to authorize the activities described herein. I agree to or affirm the following:

- I possess the authority to authorize the proposed activities at the subject property, and
- I am familiar with the information, data and plans contained in this application, and
- To the best of my knowledge and belief, the information, data and plans submitted are true, complete and accurate, and
- I will provide any additional information, evidence or data necessary to provide reasonable assurance that the proposed project will comply with the applicable State and County water quality standards both during construction and after the project is completed, and
- I am authorizing the permit agent listed in Section 2 of this application to process the application, furnish supplemental information relating to this application and bind the applicant to all requirements of this application, and
- I agree to provide access and allow entry to the project site to inspectors and authorized representatives of Miami-Dade County for the purpose of making the preliminary analyses of the site and to monitor permitted activities and adherence to all permit conditions.

A. IF APPLICANT IS AN INDIVIDUAL

Signature of Applicant | Print Applicant's Name | Date

B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Florida International University — Print Name of Applicant (Enter the complete name as registered)
Public University — Type (Corp, LLC, LLP, etc.)
Florida — State of Registration/Incorporation

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. ***

Signature of Authorized Representative | Dr. Kenneth Jessell — Print Authorized Representative's Name | Vice President — Title | 3-8-11 — Date

C. IF APPLICANT IS A JOINT VENTURE Each party must sign below(If more than two members, list on attached page)

Print Name of Applicant (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation

Print Name of Applicant (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. ***

Signature of Authorized Representative | Print Authorized Representative's Name | Title | Date

Signature of Authorized Representative | Print Authorized Representative's Name | Title | Date

10. WRITTEN CONSENT OF THE PROPERTY OWNER OF THE AREA OF THE PROPOSED WORK

I/We are the fee simple owner(s) of the real property located at 3000 NE 151st Street, North Miami, Florida 33181 Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio No. 06-2222-000-0020. I am aware and familiar with the contents of this application for a Miami-Dade County Class I Permit to perform the work on or adjacent to the subject property, as described in Section 4 of this application. I possess the riparian rights to the area of the proposed work (if applicable) and hereby consent to the work identified in this Class I Permit application.

A. IF THE OWNER(S) IS AN INDIVIDUAL

Signature of Owner	Print Owner's Name	Date
Signature of Owner	Print Owner's Name	Date

B. IF THE OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
(Examples: Corporation, Partnership, Joint Venture, Trust, LLC, LLP, etc.)

Florida International University	Public University	Florida
Print Name of Owner (Enter the complete name as registered)	Type (Corp, LLC, LLP, etc.)	State of Registration/Incorporation

3000 NE 151st Street, North Miami, Florida 33183
Address of Owner

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Owner, to bind the Owner, and if so required to authorize the issuance of a bond on behalf of the Owner. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. ***

Signature of Authorized Representative	Dr. Kenneth Jessell Print Authorized Representative's Name	Vice President Title	3-8-2011 Date
Signature of Authorized Representative	Print Authorized Representative's Name	Title	Date

Please Review Above

Appropriate signature(s) must be included in:

Box 9: either A, B or C

AND

Box 10: either A or B

RECEIVED

MAR 10 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

Revised 11/16/09

11

Attachment B

Owner/Agent Letter, Engineer Certification Letter and Project Sketches

RECEIVED

MAR 1 1 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

C3TS

CORZO
CASTELLA
CARBALLO
THOMPSON
SALMAN

Engineers
Architects
Planners

PERMIT APPLICANT/ AUTHORIZED AGENT STATEMENT

March 1, 2011

To:
Miami Dade County DERM
Class I Permitting Program
701 NW 1st Court
Miami FL, 33136

Re: Class I Standard Form Permit Application Number 2010-CLI-PER-00193

EB0005022
AAC002142

By the attached Class I Standard Form permit application with supporting documents, I, Jeffry Marcus, Vice President, Corzo Castella Carballo Thompson Salman, P.A., am the applicant's authorized agent and hereby request permission to perform the work associated with Class I permit application 2010-CLI-PER-00193. I understand that a Miami-Dade County Class I Standard Form Permit is required to perform this work.

If approval is granted for the proposed work by the Board of County Commissioners, complete and detailed plans and calculations of the proposed work shall be prepared by an engineer registered/licensed in the State of Florida in accordance with the minimum requirements of Chapter 24 of the Code of Miami-Dade County, Florida. Said plans and calculations shall be subject to the review and approval of the Department of Environmental Resources Management. The permit applicant will secure the services of an engineer registered/licensed in the State of Florida to conduct inspections throughout the construction period, and said engineer shall prepare all required drawings of record. In the event that the proposed work which is the subject of this Class I Permit application involves the cutting or trimming of a mangrove tree(s), a detailed plan of the proposed cutting or trimming shall be prepared by a licensed landscape architect and submitted to the Department for review and approval, and the permit applicant will secure the services of a licensed landscape architect to supervise the trimming or cutting.

Respectfully submitted,

Jeffry Marcus, Vice President
Corzo Castella Carballo Thompson Salman, P.A.
Authorized Agent

C3TS
CORZO
CASTELLA
CARBALLO
THOMPSON
SALMAN
Engineers
Architects
Planners

March 1, 2011

Miami-Dade County DERM
Class I Permitting Program
701 NW 1st Court
Miami, Florida 33136

RECEIVED
MAR 11 2011
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

Re: Class I Permit Application Number 2010-CLI-PER-00193

Ladies and Gentlemen:

EB0005022
AAC002142

This letter will certify that I am an engineer registered/licensed in the State of Florida, qualified by education and experience in the area of construction, and that to the best of my knowledge and belief, the proposed work does not violate any laws of the State of Florida or any provision of the Code of Miami Dade County which may be applicable, that diligence and recognized standard practices of the engineering profession have been exercised in the engineer's design process for the proposed work, and in my opinion based upon my knowledge and belief, the following will not occur:

a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.
b. Harmful or increased erosion, shoaling of channels or stagnant areas of water. (Not applicable to Class IV Permits)
c. Material injury to adjacent property.
d. Adverse environmental impacts from changes in water quality or quantity. (Applicable to Class IV Permits only)

Further, I have been retained by the applicant to provide inspections throughout the construction period and to prepare a set of reproducible record prints of drawings showing changes made during the construction process based upon the marked-up prints, drawings, and other data furnished by the contractor to me.

Sincerely,

3/11/11

Jeffrey S. Crews, P.E.
Licensed Engineer No. 46575
State of Florida

901 Ponce de Leon Boulevard, Suite 900, Coral Gables, FL 33134 305.445.2900 800.448.0227 Fax 305.445.3366
www.c3ts.com
Equal Opportunity Employer

PROJECT:

FLORIDA INTERNATIONAL UNIVERSITY BOAT RAMP

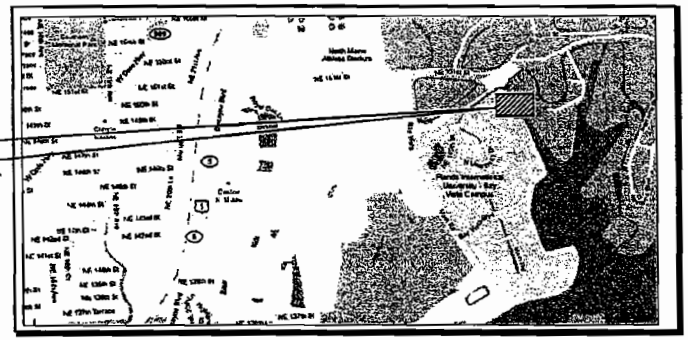
NORTH MIAMI, FLORIDA

CLIENT:

FLORIDA INTERNATIONAL UNIVERSITY · BISCAYNE BAY CAMPUS

13000 NE 151st STREET, NORTH MIAMI, FLORIDA 33181

PROJECT LOCATION



LOCATION SKETCH
N.T.S.

N

LIST OF DRAWINGS

C-0	COVER SHEET
CIVIL	
SU-1	EXISTING SITE CONDITIONS
D-1	DEMOLITION PLAN
C-1	SITE PLAN
C-2	BOAT RAMP DETAILS
C-3	GENERAL NOTES
C-4	STORMWATER POLLUTION PREVENTION PLAN

C3TS

CORZO
CASTELLA
CARBALLO
THOMPSON
SALMAN

Engineers
Architects
Planners

PROJECT NO.
1927-048

PLOT DATE 06-10-10

REVISIONS

NO.	DATE	REMARKS
1	00-00-00	-

IT'S THE LAW !
CALL 48 HOURS BEFORE YOU DIG
1-800-432 4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.
UTILITIES NOTIFICATION CENTER

RECEIVED

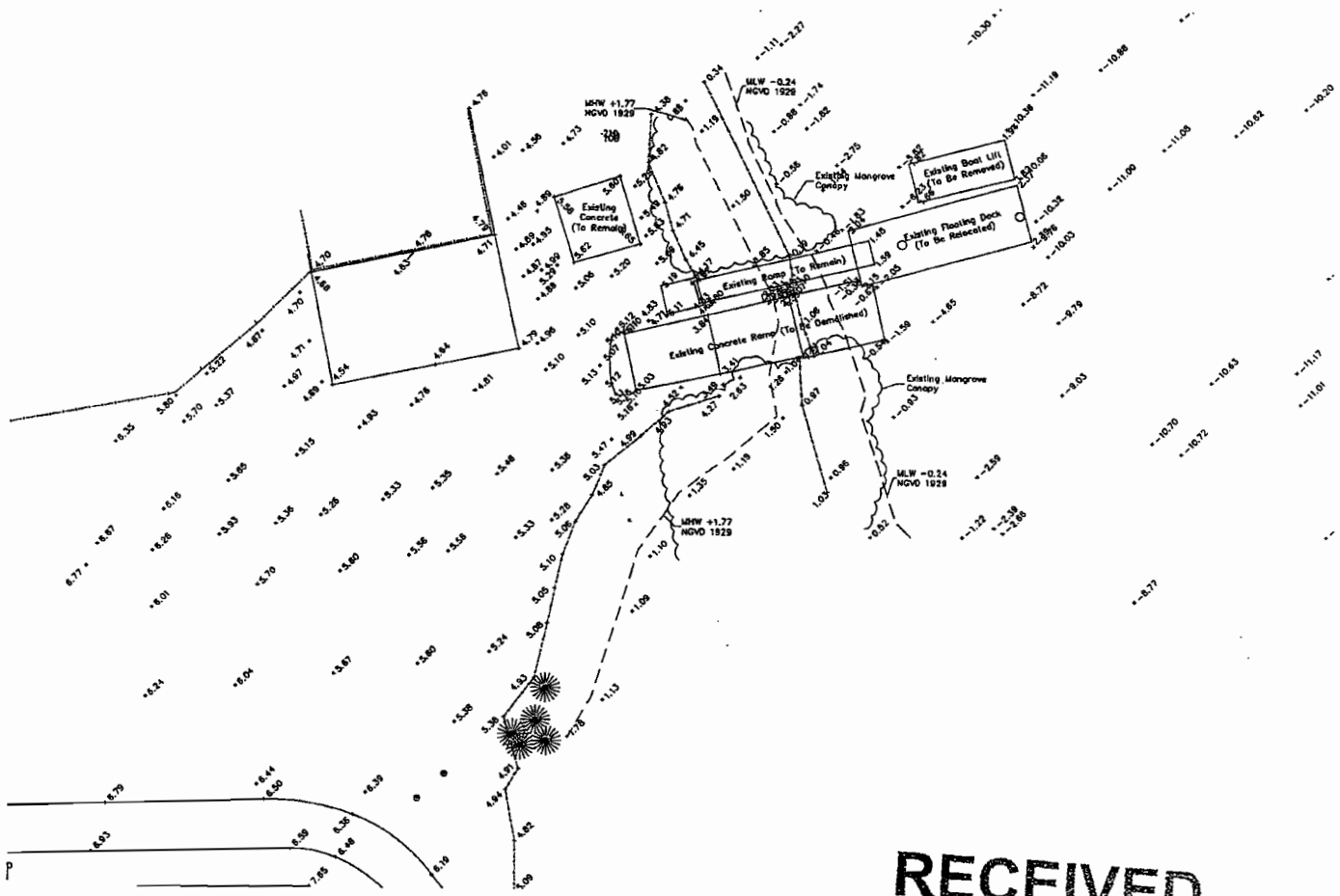
FEB 02 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

APPROVED BY

Jeffrey S. Crews, PE
LICENSED ENGINEER NO. 46575
STATE OF FLORIDA

15



0 5 10 20

SCALE: 1"=30' WHEN ON LETTER SIZED PAPER

RECEIVED

FEB 0 2 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

1/25/11

CORZO CASTELLA CARBALLO THOMPSON SALMAN

Architects
Engineers
Planners

3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice: 954.565.5513 Fax: 954.567.4079
AAC0021142 EB0005022

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048

FILE No. :

DRAWN : A.P.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.

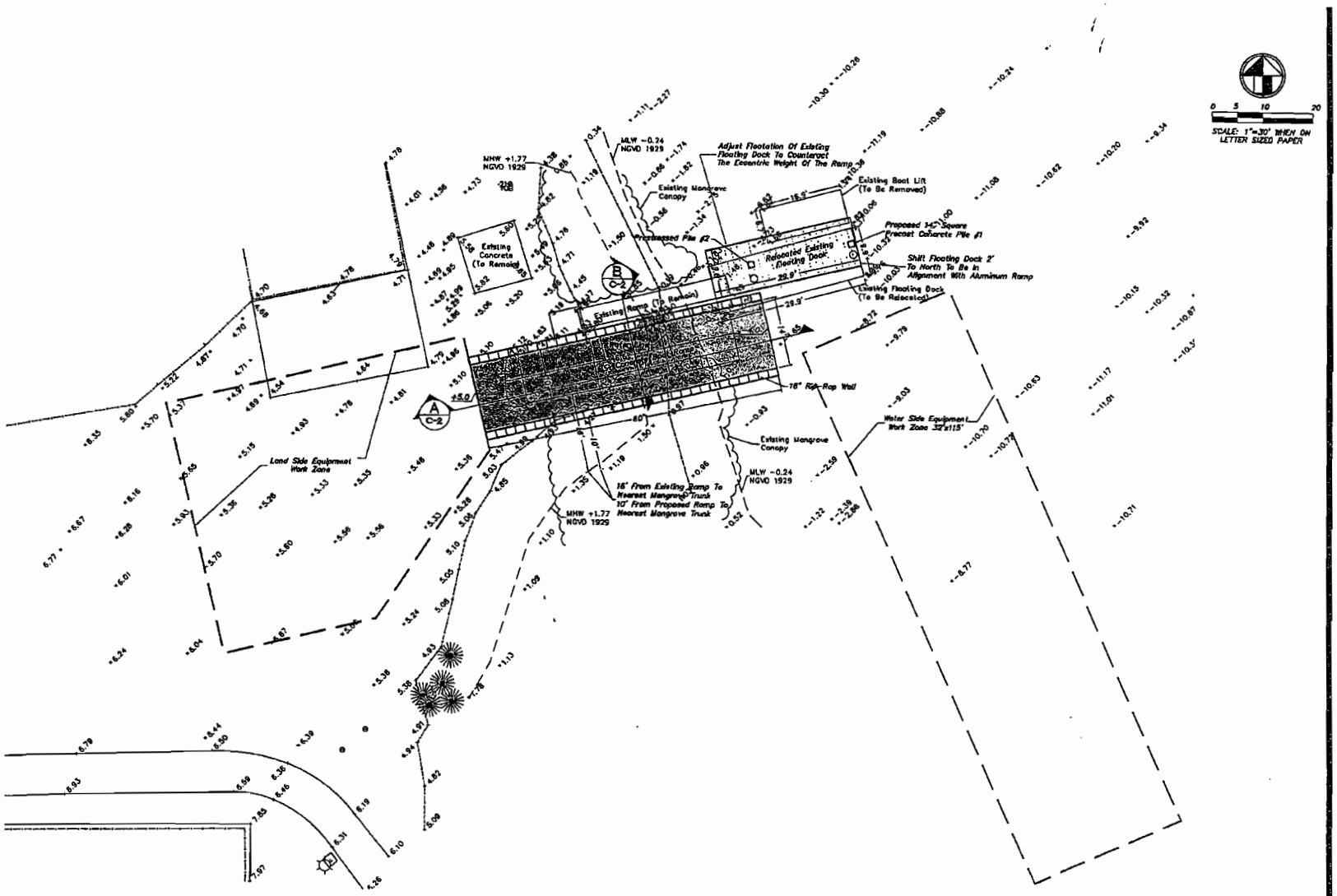
DATE : 06-10-10

ISSUE/REVISIONS

SHEET TITLE
EXISTING SITE CONDITIONS

SHEET NUMBER
SU-1

16



RECEIVED

FEB 02 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

PILE DATA	1	2
PILE SIZE	14"Ø	14"Ø
TOP ELEVATION	+10.0'	+10.0'
TIP ELEVATION	-25.0'	-20.0'
TOTAL LENGTH	35'	30'

12/29/11

C3TS
CORZO CASTELLA CARBALLO THOMPSON SALMAN
Architects Engineers Planners
3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice: 954.565.2113 Fax: 954.567.4079
AAC002142 EB0005022

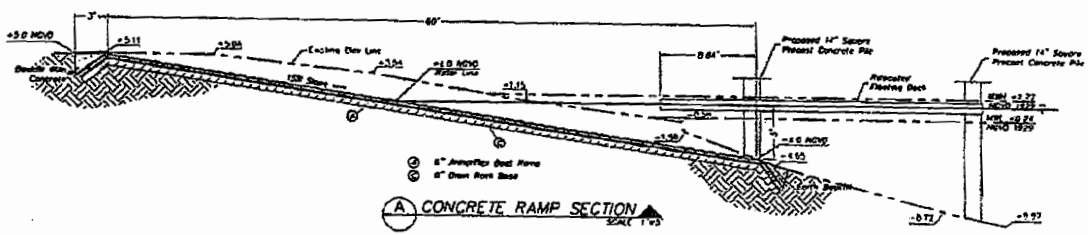
BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER 1927-048
FILE No. :
DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.
DATE : 06-10-10
ISSUE/REVISIONS

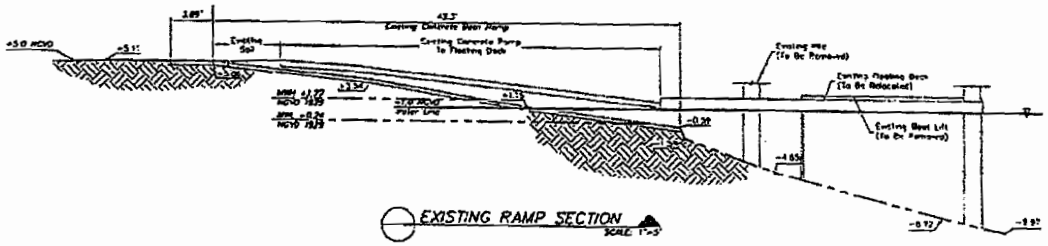
SHEET TITLE
SITE PLAN

SHEET NUMBER
C-1

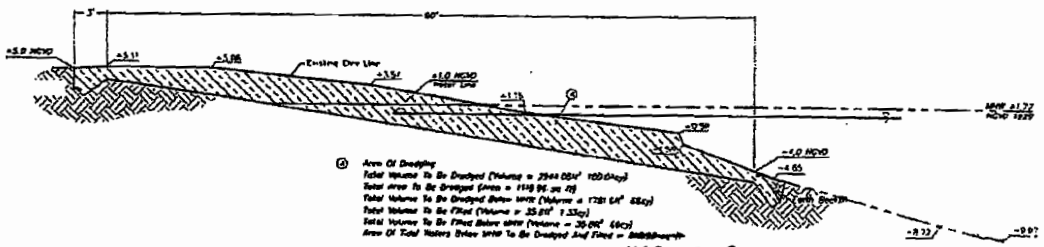
14



A CONCRETE RAMP SECTION
SCALE: 1"=3'



EXISTING RAMP SECTION
SCALE: 1"=3'



435.8 Sq. ft.

DREDGING SECTION
SCALE: 1"=3'

18

C3TS
CORZO CASTELLA CARGATILO THOMPSON SALMAN
Architects
Engineers
Planners
3000 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice: (954) 563-1010 Fax: (954) 563-1021
AA-C000221-42 EB0000072

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048
FILE NO.
DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.
DATE : 06-10-10
ISSUE/REVISIONS

SHEET TITLE
BOAT RAMP DETAILS
SHEET NUMBER
C-2

GENERAL NOTES AND SPECIFICATIONS
PROJECT NO. 1927-48

I. APPLICABLE CODES:

A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE FLORIDA BUILDING CODE 2007 DADE COUNTY EDITION AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHERE APPLICABLE.

B. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.

C. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929, (N.G.V.D.), UNLESS OTHERWISE NOTED.

II. PRECONSTRUCTION RESPONSIBILITIES:

A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING AN EXCAVATION, CALL 1-800-432-4770.

B. ALL UTILITY EASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION. (IF REQUIRED)

C. LOCATION OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY NOT SHOWN. VERIFY, IF POSSIBLE, THE ELEVATIONS, AND LOCATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION. IF AN EXISTING FACILITY IS ENCOUNTERED DURING CONSTRUCTION UPON EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.

D. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE PERMIT(S) PRIOR TO START OF CONSTRUCTION.

III. INSPECTIONS:

A. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS, WHERE APPLICABLE:

1. DEMOLITION
2. CONCRETE PILING AND REINFORCEMENT
3. ARTICULATED BLOCK REVETMENT
4. FINAL

IV. SHOP DRAWINGS:

A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: PRECAST PILES, CONCRETE MIX DESIGN, ARTICULATED BLOCK REVETMENT.

V. TEMPORARY FACILITIES:

A. TEMPORARY FACILITIES-
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY WITH THE OWNER.

B. TRAFFIC REGULATION-

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT EXPRESS PERMISSION OF THE OWNER.

VI. PROJECT CLOSEOUT:

A. CLEANING UP-

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THAT END, THE CONTRACTORS SHALL DO AS REQUIRED, ALL NECESSARY HIGHWAY, DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATIONS.
3. WHERE MATERIALS OR DEBRIS HAS WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF IMMEDIATELY DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

B. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTORS EXPENSE.

C. ALL UNPAVED SURFACES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

D. PROJECT RECORD DOCUMENTS-

1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
2. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONSTRUCTION CONDITIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS.

VII. MATERIALS:

A. GENERAL-

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH SOUND CONSTRUCTION PRACTICES TYPICAL OF THE SOUTH FLORIDA AREA AND IN COMPLIANCE WITH THE FLORIDA BUILDING CODE.

B. MATERIALS-

1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 psi. AND SHALL CONTAIN SILICA FUME OR EQUAL FOR CORROSION RESISTANCE AND DECREASED POROSITY.
2. CONCRETE SHALL BE CURED BY CLEAR CURING COMPOUND AS APPROVED BY THE ENGINEER. CARE SHALL BE TAKEN TO PREVENT OVERSPRAY ONTO WATER.
3. PRECAST PILES SHALL BE 14" PRESTRESSED CONCRETE PILES IN ACCORDANCE WITH FDOT SPECIFICATIONS AS PER INDEX 20614
4. ALL TIMBER SHALL BE PRESSURE TREATED OR APPROVED EQUAL.
5. ALL HARDWARE (SCREWS, BOLTS, WASHERS, NUTS, HANGERS, ETC.) TO BE STAINLESS STEEL GRADE 316 OR APPROVED EQUAL.
6. ARMORFLEX ARTICULATED BLOCK SYSTEM SHALL BE OPEN CELL CONFIGURATION WITH CONCRETE BLOCK CLASS 50a CONSISTING OF INDIVIDUAL BLOCKS 13.0"x11.8"x8" THICK.
7. ALL STEEL REINFORCING SHALL BE 60ksi
8. ALL OTHER MATERIAL REQUIREMENTS ARE AS SPECIFIED IN THE PLANS.

C. CONCRETE INSTALLATION-

1. CONCRETE SHALL BE FORMED, TRANSPORTED, PLACED AND CURED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE ACI STANDARD SPECIFICATIONS.
2. FINISHED CONCRETE SHALL HAVE A LIGHT BROOM OR BURLAP FINISH.
3. ALL CONCRETE EDGES SHALL HAVE A $\frac{3}{4}$" CHAMFER.

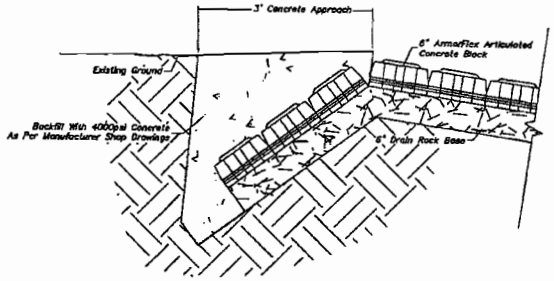
D. DOCK INSTALLATION-

1. THE EXISTING FLOATING DOCK SHALL BE RELOCATED NORTHWARD TO BE IN ALIGNMENT WITH THE ALUMINUM RAMP. FLOATATION ELEMENTS IN THE DOCK STRUCTURE WILL BE ADDED TO COMPENSATE FOR THE ECCENTRIC LOADING FROM THE OFFSET PLACEMENT OF THE RAMP.
2. THE EXISTING TIMBER PILING SHALL BE EXTRACTED AND DISPOSED OF. NEW 14"PRECAST PILING IN ACCORDANCE WITH FDOT STANDARDS WILL BE DRIVEN IN THE NEW LOCATION FOR THE FLOATING PIER.
3. CURRENT ELECTRICAL SERVICES AND LIGHTING SHALL BE DISCONNECTED FROM THE TIMBER PILING AND REATTACHED TO THE PRECAST PILING WITHOUT DISTURBING THE WIRING.
4. THE EXISTING BOAT LIFT TO THE NORTH OF THE FLOATING DOCK IS A SIMPLE METAL FRAME. IT SHALL BE REMOVED.

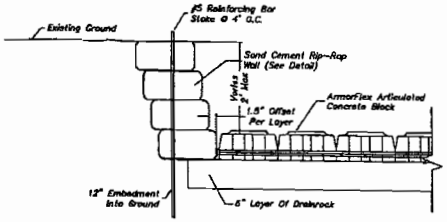
D. MANGROVE PROTECTION-

1. PRESERVATION OF NATURAL RESOURCES: SENSITIVE WETLAND TREES (MANGROVES) HAVE BEEN IDENTIFIED ON THE NORTH AND THE SOUTH SHORELINE ADJACENT TO THE PROJECT AREA. THE CONTRACTOR SHALL NOT IMPACT MANGROVE TREES, OR BRANCHES OCCURRING WITHIN AND/OR ADJACENT TO THE PROJECT CORRIDOR. TWO WEEKS PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER TO FIELD VERIFY THE EXTENT AND BOUNDARY OF WETLAND TREES TO BE PROTECTED ON SITE.
   A. PROVIDE TEMPORARY BARRIERS TO PROTECT EXISTING TREES AND ROOT ZONES.
   B. DO NOT REMOVE, INJURE, OR DESTROY TREES OR OTHER PLANTS WITHOUT PRIOR APPROVAL.
   C. MANGROVE TREE BRANCHES AND LIMBS THAT INTERFERE WITH CONSTRUCTION SHALL BE TIED BACK TO PREVENT DAMAGE DURING CONSTRUCTION.
   D. MANGROVE BRANCHES AND LIMBS SHALL BE TIED-OFF NOT TO PREVENT DAMAGE TO THE TREE.
   E. TURBIDITY BARRIERS SHALL NOT BE TIED OFF TO EXISTING MANGROVES.
   F. SELECT CONSTRUCTION EQUIPMENT AND TECHNIQUES WHICH WILL PREVENT DAMAGE TO SENSITIVE WETLAND RESOURCES SUCH AS MANGROVES. CAREFULLY SUPERVISE EXCAVATION, GRADING, PILING, DEMOLITION, AND OTHER CONSTRUCTION ACTIVITIES OCCURRING NEAR TREES AND SURFACE WATERS TO PREVENT IMPACTS.

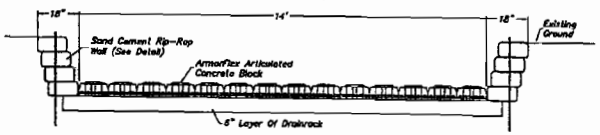
2. THIS PROJECT LIES WITHIN BISCAYNE BAY, WHICH IS DESIGNATED AS OUTSTANDING FLORIDA WATERS. NO DEGREDATION OF WATER QUALITY, INCREASED TURBIDITY OF THE WATER, AND/OR THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL BE PERMITTED.



BOAT RAMP END DETAIL
N.T.S.



RIP-RAP CROSS SECTION
N.T.S.



B BOAT RAMP CROSS-SECTION
SCALE: 1"=2'

RECEIVED
FEB 02 2011
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

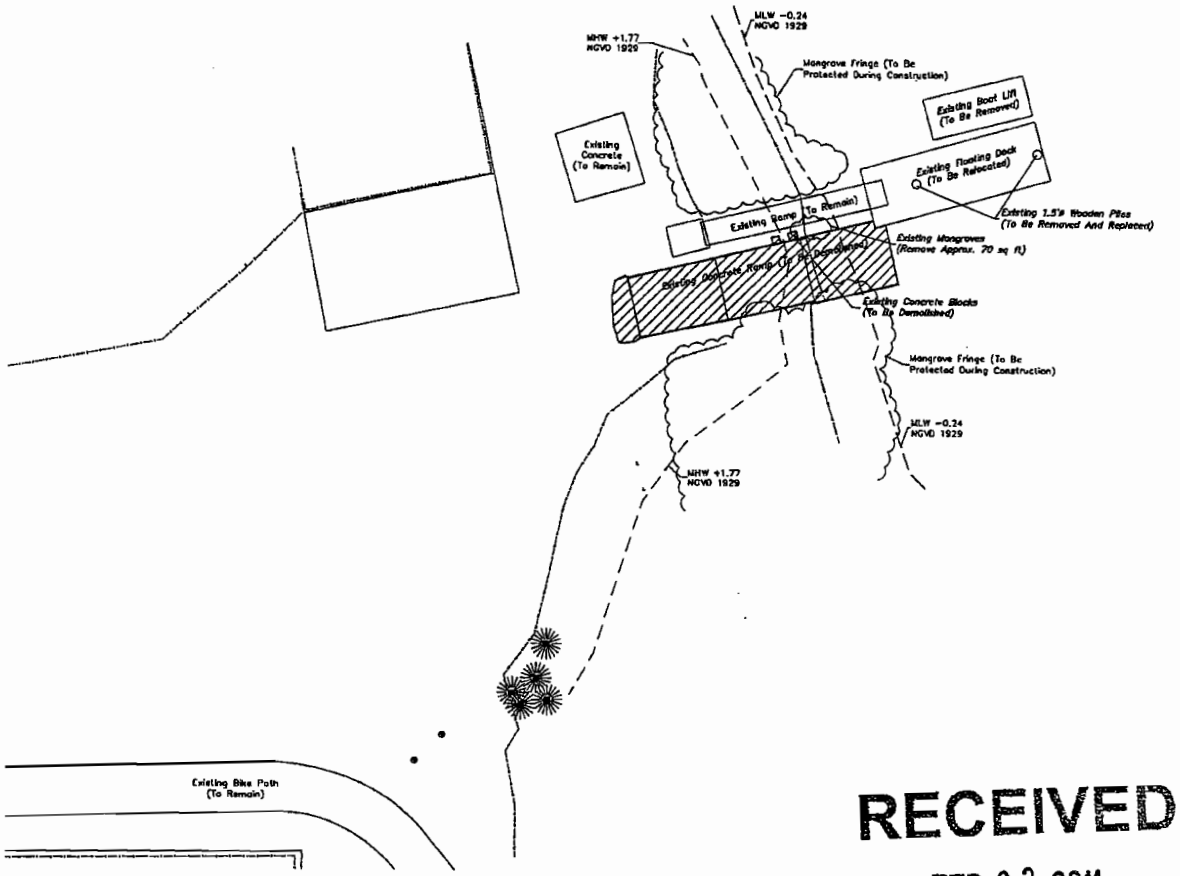
1/25/11

C3TS
CORZO CASTELLA CARBALLO THOMPSON SALMAN
Architects
Engineers
Planners
3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice 954.564.7113 Fax 954.567.4079
AAC002142 EB0005022

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048
FILE No. :
DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.
DATE : 06-10-10
ISSUE/REVISIONS

SHEET TITLE
GENERAL NOTES
SHEET NUMBER
C-3



RECEIVED

FEB 0 2 2011

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

1/25/11

C3TS
CORZO
CASTELLA
CARBALLO
THOMPSON
SALMAN

Architects
Engineers
Planners

3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice: 954.565.2113 Fax: 954.567.4037
AAC002142 EB0005022

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048

FILE No. :

DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.

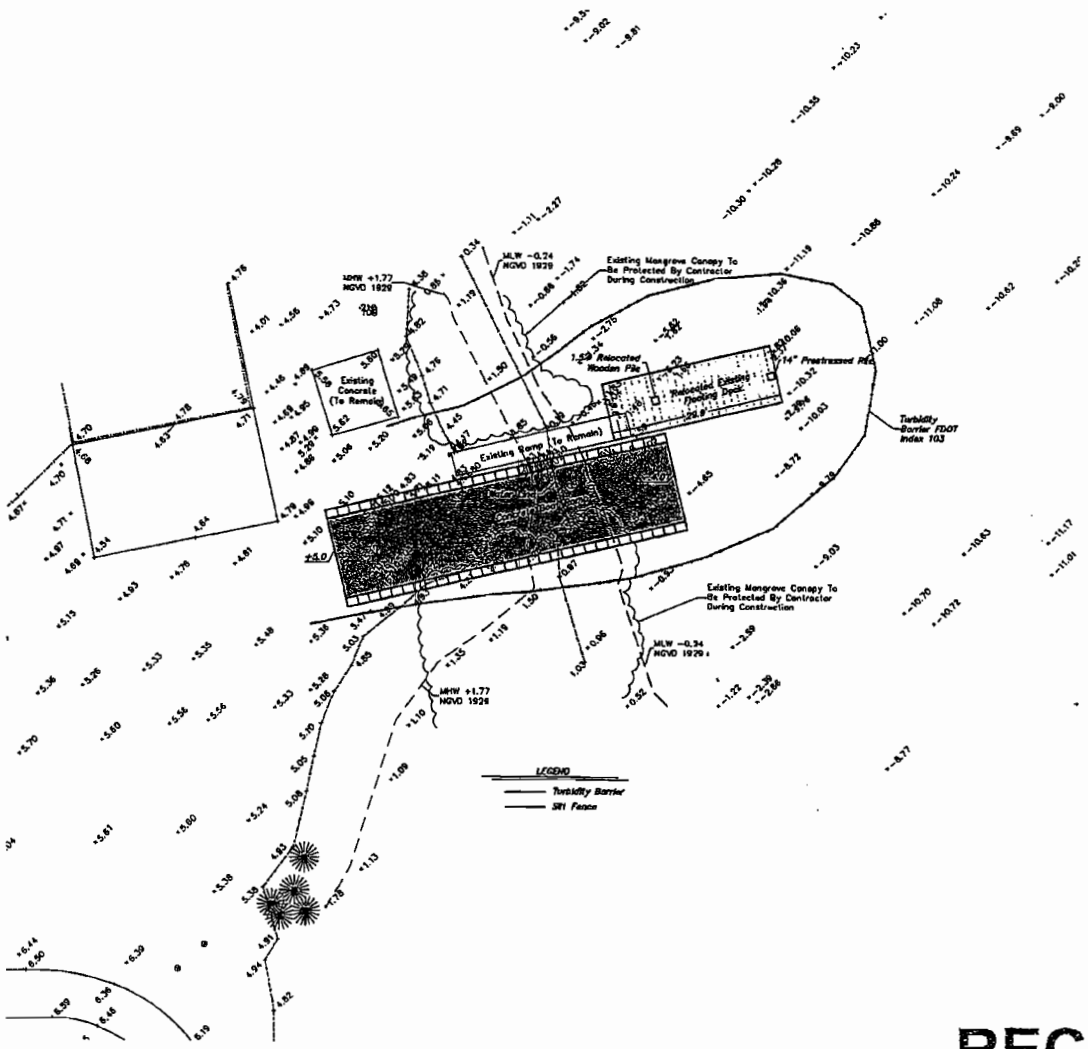
DATE : 06-10-10

ISSUE/REVISIONS

SHEET TITLE
DEMOLITION PLAN

SHEET NUMBER
D-1

20



0 5 10 20
SCALE: 1"=30' WHEN ON LETTER SIZED PAPER

NPDES
Stormwater Pollution Prevention Plan (SWPPP)

The Contractor Is Required To Adhere To The Requirement Of The National Pollution Discharge Elimination System (NPDES). The Contractor Shall Institute Best Management Practices (BMPS) To Ensure Compliance With The NPDES Program And To Minimize The Impact To Public Stormwater Facilities.

Prior To Construction, A Silt Fence In Accordance With FDOT Index 103 (latest Version) Type III Silt Fence Will Be Erected Along Of The Perimeter Of The Water Side Of The Construction.

Prior To Construction, A Turbidity Barrier In Accordance With FDOT Index 103 (latest Version) Will Be Erected Along Of The Perimeter Of The Construction Site As Shown.

All Existing And Proposed Catch Basins Will Have Their Inlets Protected By The Installation Of Filter Fabric Into The Frame And Grate.

This Silt Fencing And Filter Fabric Will Remain In Place During The Entire Duration Of Construction.

Contractor Will Brace All Existing Landscaping To Remain Prior To Beginning Any Work And Will Ensure Their Stabilization Throughout The Entire Construction Process. Existing Soil Disturbed By Construction That Is Not Affected By Proposed Grading Will Be Restored To Its Original State Upon Completion Of Construction. Sodded Slopes Steeper Than 4 Horizontal To 1 Vertical Will Be Pegged.

All Waste Generated From The Construction Shall Be Disposed In Accordance With All Applicable State, Local, And Federal Regulations. Contractor Is To Obtain All Applicable Codes And Become Familiar With State, Local And Federal Regulations Prior To Beginning Construction. Regulations Can Be Found, But Not Limited To, Department Of Environmental Resource Management And Department Of Environmental Protection.

To Ensure That Off-site Vehicle Tracking Of Sediments And The Generation Of Dust Is Minimized, Contractor Is To Put Into Practice The Methods Detailed In Fdot Index 106 (latest Version).

Dust Generated From Construction Will Be Minimized.

At Any Time During Construction That The Silt Fencing Is Disturbed, The Silt Fencing Will Be Restored To Its Original State Within 24 Hours. At No Time During Construction Shall Work Be Performed Without The Integrity Of The Silt Fencing Secured.

A Qualified Inspector, Provided By The Operator, Shall Inspect All Points Of Discharge Into Surface Water. The Inspection Will Occur At Least Once Every Seven Calendar Days And Within 24 Hours Of The End Of A Storm That Is 0.5 Inches Or Greater. Inspection Includes The Written Recording Of The Condition Of All Discharge Points, Integrity Of Silt Fencing, Daily Dust Control Measures, Vehicular Traffic And Construction Material Storage And Disposal. Written Record Of All Inspections Will Be Stored By The Operator During Construction.

The Inspection Report Will Include, But Is Not Limited To, The Following Information: Name And Qualifications Of Personnel Making The Inspection, Date Of Inspection, Rainfall Data, Major Observations Relating To The Swppp, Actions Taken By Contractor And Any Incident Of Noncompliance With Permit. Where An Inspection Does Not Identify Any Incident Of Noncompliance, The Report Shall Contain A Certification That The Facility Is In Compliance With The Swppp And The Permit.

The Permittee Shall Retain A Copy Of The SWPPP And All Reports, Records And Documentation Required By The Permit At The Construction Site, Or An Appropriate Alternative Location As Specified In The Notice Of Intent, From The Date Of Project Initiation To The Date Of Final Stabilization. The Permittee Shall Retain Copies Of Swppp And All Reports Required By This Permit, And Records Of All Data Used To Complete The Notice Of Intent To Be Covered By The Permit, For A Period Of At Least Three (3) Years From The Date That The Site Is Finally Stabilized.

C3TS
CORZO CASTELLA CARBALLO THOMPSON SALMAN
Architects
Engineers
Planners
3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice: 954.565.2113 Fax: 954.557.4019
AAC0021142 EB0005022

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER 1927-048
FILE NO. :
DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.
DATE : 06-10-10
ISSUE/REVISIONS

SHEET TITLE
STORMWATER POLLUTION PREVENTION PLAN
SHEET NUMBER
C-4

RECEIVED
FEB 02 2011
DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

1/25/11

21

Attachment C

Zoning Memorandum

Memorandum

MIAMI-DADE COUNTY

Date: April 12, 2011

To: Lisa Spadafina, Manager
Coastal Resources Section
Environmental Resources Management

From: Nicole Fresard, Biologist II
Coastal Resources Section
Environmental Resources Management

Subject: Resolution Relating to a Class I Permit Application by Florida International University to Dredge and Fill Tidal Waters for the Replacement of a Boat Ramp at 3000 NE 151 Street, North Miami, Miami-Dade County, Florida

---

Pursuant to Section 24-48.2(II)(A)(7), of the Code of Miami-Dade County, Florida, a substantiating letter shall be submitted by the applicant stating that the proposed project does not violate any zoning laws. Said letter will be submitted after approval by the Miami-Dade County Board of County Commissioners and prior to issuance of the Class I permit.

Attachment D

Names and Addresses of Owners of All Riparian Property within Three Hundred (300) Feet of the Proposed Work

Board of Trustees of
the Internal Improvement Trust Fund(TIITF)/
Dept. of Natural Resources (DNR)
Douglas Building
Tallahassee, Florida 32399

Board of Trustees of
the Internal Improvement Trust Fund(TIITF)/
Dept. of Natural Resources (DNR)
Douglas Building
Tallahassee, Florida 32399

Attachment E

SFWMD Permit

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE
STANDARD GENERAL PERMIT NO. 13-04899-P
DATE ISSUED:March 22, 2011

Form #0941
08/95

PERMITTEE: STATE OF FLORIDA BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND
DOUGLAS BUILDING
TALLAHASSEE, FL 32399

FLORIDA INTERNATIONAL UNIVERSITY
FINANCE AND ADMINISTRATION
11200 S W 8TH STREET PC 523-A
MIAMI, FL 33199

PROJECT DESCRIPTION: Construction and expansion of an existing boat ramp utilized for research vessels for a project known as Florida International University Biscayne Bay Campus Boat Ramp Improvements.

PROJECT LOCATION: MIAMI-DADE COUNTY, SEC 22 TWP 52S RGE 42E

PERMIT DURATION: See Special Condition No:1. See attached Rule 40E-4.321, Florida Administrative Code.

This is to notify you of the District's agency action concerning Notice of Intent for Permit Application No. 100715-9, dated July 15, 2010. This action is taken pursuant to Rule 40E-1.603 and Chapter 40E-40 , Florida Administrative Code (F.A.C.).

Based on the information provided, District rules have been adhered to and an Environmental Resource General Permit is in effect for this project subject to:

1. Not receiving a filed request for a Chapter 120, Florida Statutes, administrative hearing.
2. the attached 19 General Conditions (See Pages : 2 - 4 of 5),
3. the attached 11 Special Conditions (See Pages : 5 - 5 of 5) and
4. the attached 3 Exhibit(s)

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights," we will assume that you concur with the District's action.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the Permittee (and the persons listed in the attached distribution list) no later than 5:00 p.m. on this 22nd day of March, 2011, in accordance with Section 120.60(3), Florida Statutes.

BY: Anita R. Bain

Anita R. Bain
Director - Environmental Resource Permitting Division
Palm Beach Service Center

Certified mail number 7005 3110 0001 8077 6710

27

GENERAL CONDITIONS

1. All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit and Part IV, Chapter 373. F.S.

2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

3. Activities approved by this permit shall be conducted in a manner which does not cause violations of State water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of State water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. All practices shall be in accordance with the guidelines and specifications described in Chapter 6 of the Florida Land Development Manual; A Guide to Sound Land and Water Management (Department of Environmental Regulation, 1988), incorporated by reference in Rule 40E-4.091, F.A.C. unless a project-specific erosion and sediment control plan is approved as part of the permit. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

4. The permittee shall notify the District of the anticipated construction start date within 30 days of the date that this permit is issued. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District an Environmental Resource Permit Construction Commencement Notice Form Number 0960 indicating the actual start date and the expected construction completion date.

5. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an annual status report form. Status report forms shall be submitted the following June of each year.

6. Within 30 days after completion of construction of the permitted activity, the permitee shall submit a written statement of completion and certification by a professional engineer or other individual authorized by law, utilizing the supplied Environmental Resource/Surface Water Management Permit Construction Completion/Certification Form Number 0881A, or Environmental Resource/Surface Water Management Permit Construction Completion Certification - For Projects Permitted prior to October 3, 1995 Form No. 0881B, incorporated by reference in Rule 40E-1.659, F.A.C. The statement of completion and certification shall be based on onsite observation of construction or review of as-built drawings for the purpose of determining if the work was completed in compliance with permitted plans and specifications. This submittal shall serve to notify the District that the system is ready for inspection. Additionally, if deviation from the approved drawings are discovered during the certification process, the certification must be accompanied by a copy of the approved permit drawings with deviations noted. Both the original and revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. All surveyed dimensions and elevations shall be certified by a registered surveyor.

7. The operation phase of this permit shall not become effective: until the permittee has complied with the requirements of condition (6) above, and submitted a request for conversion of Environmental Resource Permit from Construction Phase to Operation Phase, Form No. 0920; the District determines the system to be in compliance with the permitted plans and specifications; and the entity approved by the District in accordance with Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit

GENERAL CONDITIONS

Applications within the South Florida Water Management District, accepts responsibility for operation and maintenance of the system. The permit shall not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall initiate transfer of the permit to the approved responsible operating entity if different from the permittee. Until the permit is transferred pursuant to Section 40E-1.6107, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

8. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of the phase or portion of the system to a local government or other responsible entity.

9. For those systems that will be operated or maintained by an entity that will require an easement or deed restriction in order to enable that entity to operate or maintain the system in conformance with this permit, such easement or deed restriction must be recorded in the public records and submitted to the District along with any other final operation and maintenance documents required by Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit applications within the South Florida Water Management District, prior to lot or units sales or prior to the completion of the system, whichever comes first. Other documents concerning the establishment and authority of the operating entity must be filed with the Secretary of State, county or municipal entities. Final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local government entity. Failure to submit the appropriate final documents will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system and any other permit conditions.

10. Should any other regulatory agency require changes to the permitted system, the permittee shall notify the District in writing of the changes prior to implementation so that a determination can be made whether a permit modification is required.

11. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40E-4 or Chapter 40E-40, F.A.C..

12. The permittee is hereby advised that Section 253.77, F.S. states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the State, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

13. The permittee must obtain a Water Use permit prior to construction dewatering, unless the work qualifies for a general permit pursuant to Subsection 40E-20.302(3), F.A.C., also known as the "No Notice" Rule.

14. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the permit.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit

GENERAL CONDITIONS

application, including plans or other supporting documentation, shall not be considered binding, unless a specific condition of this permit or a formal determination under Section 373.421(2), F.S., provides otherwise.

16. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rules 40E-1.6105 and 40E-1.6107, F.A.C.. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations prior to the sale, conveyance or other transfer of the system.

17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.

18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the appropriate District service center.

19. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on March 22, 2016.

2. Operation of the surface water management system shall be the responsibility of FLORIDA INTERNATIONAL UNIVERSITY.

3. The permittee shall be responsible for the correction of any erosion, shoaling or water quality problems that result from the construction of the boat ramp.

4. Measures shall be taken during construction of the boat ramp to insure that sedimentation and/or turbidity violations do not occur in the receiving water.

5. The District reserves the right to require water quality treatment methods be incorporated into the project if such measures are shown to be necessary.

6. Silt fencing shall be installed at the limits of construction to protect all adjacent mangrove fringe from silt and sediment deposition during the construction of the project. A floating turbidity barrier shall be installed during the construction of the boat ramp final into the adjacent canal/water body. The silt fencing and the turbidity barrier shall be installed in accordance with "Florida Land Development Manual" Chapter 6 "Stormwater and Erosion and Sediment Control Best Management Practices for Developing Areas" and Exhibit 2. The sediment controls shall be installed prior to the commencement of any construction and the installation must be inspected by the District's Environmental Resource Compliance staff. The silt fencing and turbidity barriers shall remain in place and be maintained in good functional condition until all adjacent construction activities have been completed. Upon completion of the project, the permittee shall contact the District's Environmental Resource Compliance staff to inspect the site and approve the removal of the silt fencing and turbidity barriers.

7. Facilities other than those stated herein shall not be constructed without an approved modification of this permit.

8. The permittee shall provide routine maintenance of the boat ramp in order to remove all trapped sediments/debris. All materials shall be properly disposed of as required by law. Failure to properly maintain the system may result in adverse flooding conditions.

9. This permit is issued based on the applicant's submitted information which reasonably demonstrates that adverse water resource related impacts will not be caused by the completed permit activity. Should any adverse impacts caused by the construction of completed boat ramp the District will require the permittee to provide appropriate mitigation to the District or other impacted party. The District will require the permittee to modify the boat ramp, if necessary, to eliminate the cause of the adverse impacts.

10. The permittee acknowledges that, pursuant to Rule 40E-4.101(2), F.A.C., a notice of Environmental Resource or Surface Water Management Permit may be recorded in the county public records. Pursuant to the specific language of the rule, this notice shall not be considered an encumbrance upon the property.

11. If 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, should 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 872.05, Florida Statutes.

40E-4.321 Duration of Permits.

(1) Unless revoked or otherwise modified the duration of an environmental resource permit issued under this chapter or Chapter 40E-40, F.A.C., is as follows:

(a) For a conceptual approval, two years from the date of issuance or the date specified as a condition of the permit, unless within that period an application for an individual or standard general permit is filed for any portion of the project. If an application, for an environmental resource permit is filed, then the conceptual approval remains valid until final action is taken on the environmental resource permit application. If the application is granted, then the conceptual approval is valid for an additional two years from the date of issuance of the permit. Conceptual approvals which have no individual or standard general environmental resource permit applications filed for a period of two years shall expire automatically at the end of the two year period.

(b) For a conceptual approval filed concurrently with a development of regional impact (DRI) application for development approval (ADA) and a local government comprehensive plan amendment, the duration of the conceptual approval shall be two years from whichever one of the following occurs at the latest date:

1. The effective date of the local government's comprehensive plan amendment,
2. The effective date of the local government development order,
3. The date on which the District issues the conceptual approval, or
4. The date on which the District issues a final order pertaining to the resolution of any Section 120.57, F.S., administrative proceeding or other legal appeals.

(c) For an individual or standard general environmental resource permit, the construction phase authorizing construction, removal, alteration or abandonment of a system shall expire five years from the date of issuance or such amount of time as made a condition of the permit.

(d) For an individual or standard general environmental resource permit, the operational phase of the permit is perpetual for operation and maintenance.

(e) For a noticed general permit issued pursuant to Chapter 40E-400, F.A.C., five years from the date the notice of intent to use the permit is provided to the District.

(2)(a) Unless prescribed by special permit condition, permits expire automatically according to the timeframes indicated in this rule. If application for extension is made by electronic mail at the District's e-Permitting website or in writing pursuant to subsection (3), the permit shall remain in full force and effect until:

1. The Governing Board takes action on an application for extension of an individual permit, or
2. Staff takes action on an application for extension of a standard general permit.

(b) Installation of the project outfall structure shall not constitute a vesting of the permit.

(3) The permit extension shall be issued provided that a permittee files a written request with the District showing good cause prior to the expiration of the permit. For the purpose of this rule, good cause shall mean a set of extenuating circumstances outside of the control of the permittee. Requests for extensions, which shall include documentation of the extenuating circumstances and how they have delayed this project, will not be accepted more than 180 days prior to the expiration date.

(4) Substantial modifications to Conceptual Approvals will extend the duration of the Conceptual Approval for two years from the date of issuance of the modification. For the purposes of this section, the term "substantial modification" shall mean a modification which is reasonably expected to lead to substantially different water resource or environmental impacts which require a detailed review.

(5) Substantial modifications to individual or standard general environmental resource permits issued pursuant to a permit application extend the duration of the permit for three years from the date of issuance of the modification. Individual or standard general environmental resource permit modifications do not extend the duration of a conceptual approval.

(6) Permit modifications issued pursuant to paragraph 40E-4.331(2)(b), F.A.C. (letter modifications) do not extend the duration of the permit.

(7) Failure to complete construction or alteration of the surface water management system and obtain operation phase approval from the District within the permit duration shall require a new permit authorization in order to continue construction unless a permit extension is granted.

Specific Authority 373.044, 373.113, 668.003, 668.004, 668.50 FS. Law Implemented 373.413, 373.416, 373.419, 373.426, 668.003, 668.004, 668.50 FS. History–New 9-3-81, Amended 1-31-82, 12-1-82, Formerly 16K-4.07(4), Amended 7-1-86, 4-20-94, 10-3-95, 5-28-00, 10-1-06.

NOTICE OF RIGHTS

As required by Sections 120.569(1), and 120.60(3), Fla. Stat., following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a District decision which does or may determine their substantial interests shall file a petition for hearing with the District Clerk within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: 1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or 2) within 14 days of service of an Administrative Order pursuant to Subsection 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of either written notice through mail, or electronic mail, or posting that the District has or intends to take final agency action, or publication of notice that the District has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

Filing Instructions

The Petition must be filed with the Office of the District Clerk of the SFWMD. Filings with the District Clerk may be made by mail, hand-delivery or facsimile. **Filings by e-mail will not be accepted.** Any person wishing to receive a clerked copy with the date and time stamped must provide an additional copy. A petition for administrative hearing is deemed filed upon receipt during normal business hours by the District Clerk at SFWMD headquarters in West Palm Beach, Florida. Any document received by the office of the SFWMD Clerk after 5:00 p.m. shall be filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the SFWMD Clerk, P.O. Box 24680, West Palm Beach, Florida 33416.
- Filings by hand-delivery must be delivered to the Office of the SFWMD Clerk. **Delivery of a petition to the SFWMD's security desk does <u>not</u> constitute filing. To ensure proper filing, it will be necessary to request the SFWMD's security officer to contact the Clerk's office.** An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by facsimile must be transmitted to the SFWMD Clerk's Office at (561) 682-6010. Pursuant to Subsections 28-106.104(7), (8) and (9), Fla. Admin. Code, a party who files a document by facsimile represents that the original physically signed document will be retained by that party for the duration of that proceeding and of any subsequent appeal or subsequent proceeding in that cause. Any party who elects to file any document by facsimile shall be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed with the clerk as a result. The filing date for a document filed by facsimile shall be the date the SFWMD Clerk receives the complete document.

Initiation of an Administrative Hearing
Pursuant to Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 and 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other SFWMD identification number, if known.
2. The name, address and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

If the District takes action with substantially different impacts on water resources from the notice of intended agency decision, the persons who may be substantially affected shall have an additional point of entry pursuant to Rule 28-106.111, Fla. Admin. Code, unless otherwise provided by law.

Mediation
The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401-.405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW
Pursuant to Sections 120.60(3) and 120.68, Fla. Stat., a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal pursuant to Florida Rule of Appellate Procedure 9.110 in the Fourth District Court of Appeal or in the appellate district where a party resides and filing a second copy of the notice with the SFWMD Clerk within 30 days of rendering of the final SFWMD action.

Last Date For Agency Action: March 28, 2011

GENERAL ENVIRONMENTAL RESOURCE PERMIT STAFF REPORT

Project Name: Fl International University Biscayne Bay Campus Boat Ramp

Permit No.: 13-04899-P

Application No.: 100715-9

Application Type: Environmental Resource (New General Permit)

Location: Miami-Dade County, S22/T52S/R42E

Permittee : Florida International University
State Of Florida Board Of Trustees

Operating Entity : Florida International University

Project Area: 1.00 acres

Project Land Use: Institutional
Recreational

Drainage Basin: INTRACOASTAL WATERWAY

Receiving Body: Biscayne Bay

Special Drainage District: NA

Conservation Easement To District : No

Sovereign Submerged Lands: No

PROJECT PURPOSE:

This application is a request for an Environmental Resource Permit to authorize the construction and expansion of an existing boat ramp utilized for vessels associated with the university for a project known as Florida International University Biscayne Bay Campus Boat Ramp Improvements.

35

PROJECT EVALUATION:

PROJECT SITE DESCRIPTION:

The site is located on a canal in the northeast portion of Florida International University (FIU), Biscayne Bay Campus (see Exhibit 1). The site currently contains a concrete ramp, boat lift and a floating dock. There is an existing mangrove fringe along the shoreline to the north and south of the project area. No seagrasses or benthic resources are located within the project area. Several species of fish (i.e. puffer, snapper, silversides etc) were seen under the floating dock and around the piling. There are no permitted surface water management facilities within the project area.

PROPOSED PROJECT:

This application is a request for the replacement and expansion of an existing boat ramp utilized for vessels associated with the university. The applicant proposes to replace an existing boat ramp with a new 60 ft long ArmorFlex ramp. The existing floating dock will be relocated approximately 2 feet to the north to be in alignment with the existing aluminum ramp and the existing boat lift is being removed (see Exhibit 2). The existing mangrove fringe located to the north and south of the project will be protected during construction (see Exhibit 2, Page 6). A work area 32' x 115' is proposed to be utilized during project construction (see Exhibit 2, Page 3), no submerged resources are located within this area.

There is an existing 8 foot tall red mangrove (Rhizophora mangle) to be impacted that is located between the proposed boat ramp expansion and the boat lift. Mitigation was assessed for the mangrove removal at a (2:1 ratio) and a one-time monetary contribution is being made into the Biscayne Bay Environmental Enhancement Trust Fund (BBEETF) (Per requirements of Miami Dade County DERM). No mitigation is required from the South Florida Water Management District.

WATER QUANTITY:

Discharge Rate :

No increase in offsite discharge will occur as a result of the proposed project.

WATER QUALITY:

No adverse water quality impacts are anticipated as a result of the proposed project. Appropriate BMP's will be used during construction to minimize water quality impacts due to the proposed work. Turbidity barriers will be utilized around the project area as shown on Exhibit 2 and will remain in place until construction is completed.

CERTIFICATION AND MAINTENANCE OF THE WATER MANAGEMENT SYSTEM:

It is suggested that the permittee retain the services of a Professional Engineer registered in the State of Florida for periodic observation of construction of the docking facility. This will facilitate the completion of construction completion certification Form #0881 which is required pursuant to Section 10 of the Basis of Review for Environmental Resource Permit Applications within the South Florida Water Management District, and Rule 40E-4.361(2), Florida Administrative Code (F.A.C.).

Pursuant to Chapter 40E-4 F.A.C., this permit may not be converted from the construction phase to the operation phase until certification of the docking facility is submitted to and accepted by this District. Rule 40E-4.321(7) F.A.C. states that failure to complete construction of the docking facility and obtain operation phase approval from the District within the permit duration shall require a new permit authorization unless a permit extension is granted.

SOVEREIGN/SUBMERGED LANDS:

The upland portion of the boat ramp is located within an existing lease (Lease No. (2) 2727 B) between the Board of Trustees of the Internal Improvement Trust Fund and the Board of Regents, which oversees state universities, including Florida International University. The portion of the existing boat ramp that is below mean high water is located on sovereign submerged lands and is within Lease No. 3154 to the Oleta River State Recreation Area. The Florida Department of Environmental Protection Division of Recreation and Parks has no objections to the project as proposed (see Exhibit 3). No new activities, other than the replacement and expansion of the existing boat ramp and the floating dock, are authorized by this permit. Copies of the existing leases are located in the permit file.

RELATED CONCERNS:

Water Use Permit Status:

The applicant has indicated that a Water Use permit is not required for construction of this project. This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation.

CERP:

The proposed project is not located within or adjacent to a Comprehensive Everglades Restoration Project component.

Right-Of-Way Permit Status:

A District Right-of-Way Permit is not required for this project.

DRI Status:

This project is not a DRI.

Historical/Archeological Resources:

The District has received correspondence from the Florida Department of State, Division of Historical Resources indicating that the agency has no objections to the issuance of this permit.

DCA/CZM Consistency Review:

The issuance of this permit constitutes a finding of consistency with the Florida Coastal Management Program.

Enforcement:

There has been no enforcement activity associated with this application.

STAFF REVIEW:

DIVISION APPROVAL:

NATURAL RESOURCE MANAGEMENT:

Barbara J. Conmy

DATE: 3/1/11

SURFACE WATER MANAGEMENT:

Carlos A. de Rojas, P.E.

DATE: 3/2/11

PROJECT:

FLORIDA INTERNATIONAL UNIVERSITY BOAT RAMP
NORTH MIAMI, FLORIDA

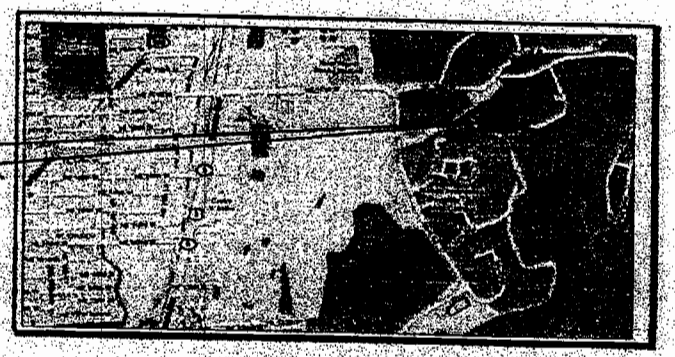
CLIENT:

FLORIDA INTERNATIONAL UNIVERSITY · BISCAYNE BAY CAMPUS

13000 NE 151st STREET, NORTH MIAMI, FLORIDA 33181

100715-9

PROJECT LOCATION



LOCATION SKETCH

N.T.S.

LIST OF DRAWINGS

C-0 COVER SHEET

CIVIL

SU-1 EXISTING SITE CONDITIONS
D-1 DEMOLITION PLAN
C-1 SITE PLAN
C-2 BOAT RAMP DETAILS
C-3 GENERAL NOTES
C-4 STORMWATER POLLUTION PREVENTION PLAN

RECEIVED
JUL 15 2010
ENV RES REGULATION

CORZO CASTELLA CARBALLO THOMPSON SALMAN

Engineers
Architects
Planners

PROJECT NO. 1927-048

PLOT DATE: 06-10-10

REVISIONS

APPROVED BY

Jeffrey S. Crews, PE
LICENSED ENGINEER NO. 46575
STATE OF FLORIDA

7/6/10

IT'S THE LAW!
1-800-432-4770

Exhibit No. 1.0

App. No. 100715-9

39

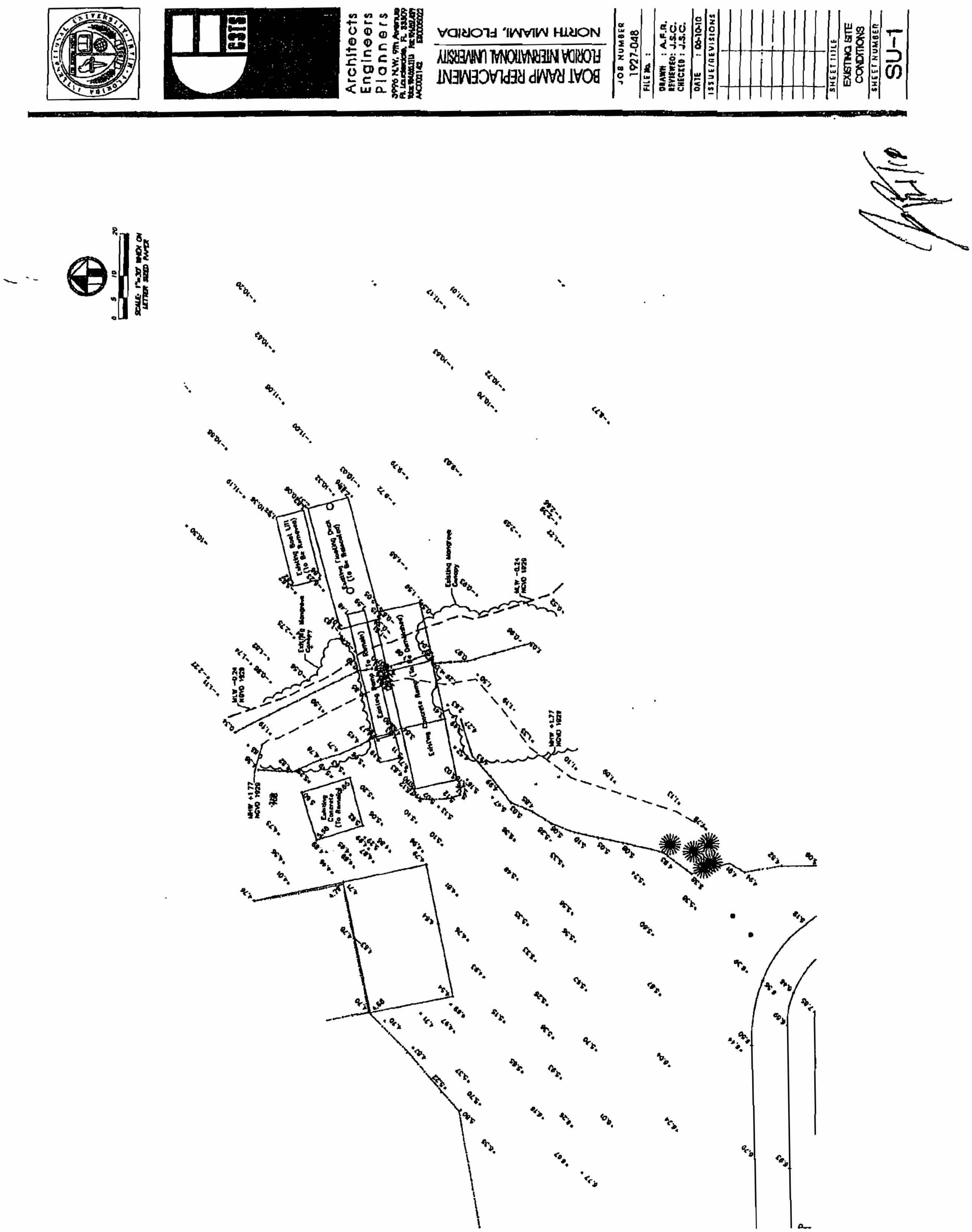


EXHIBIT 2 APPLICATION 100715-9 Page 1 of 6

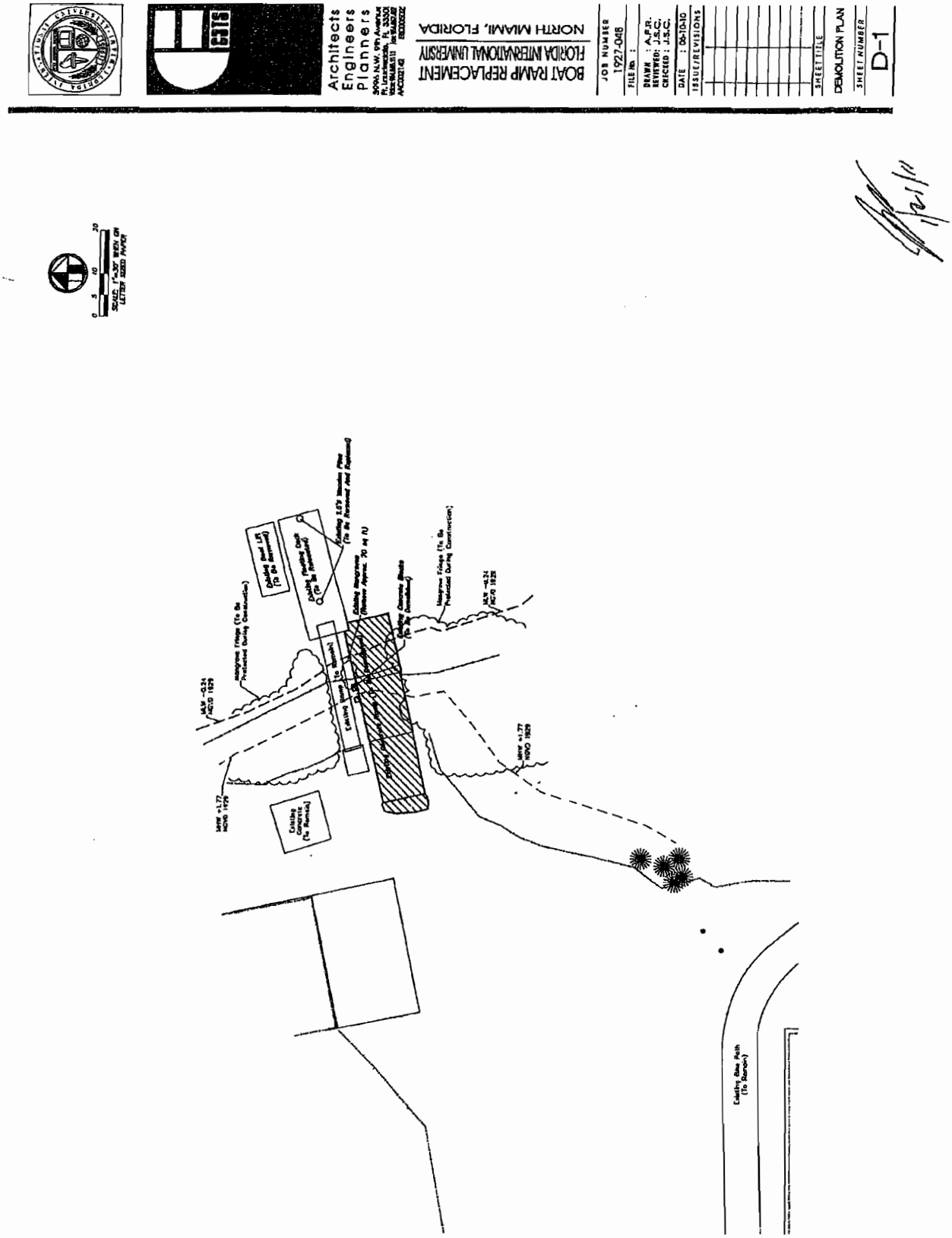
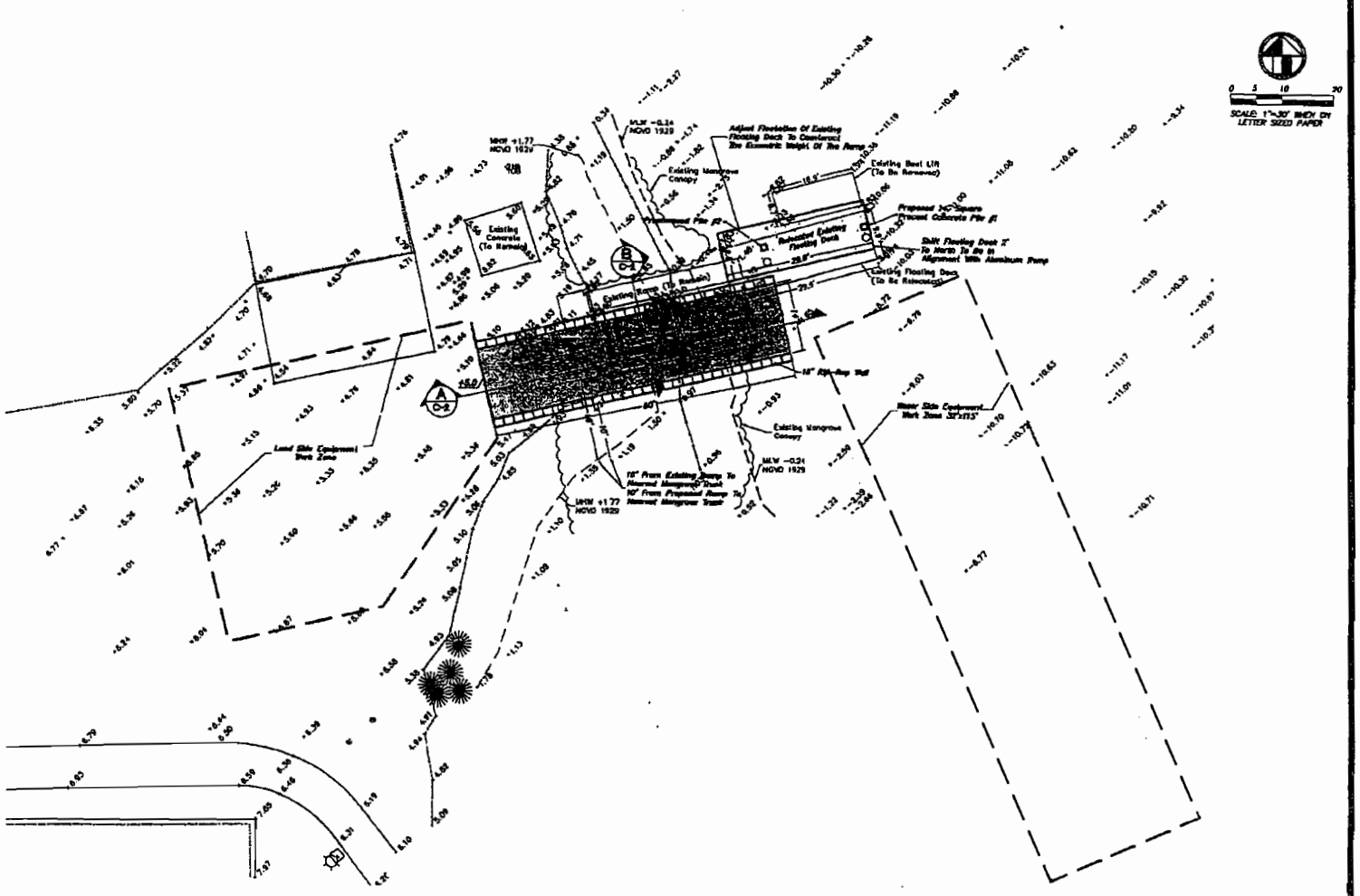


EXHIBIT 2 APPLICATION 100715-9 Page 2 of 6

41



PILE DATA		
	1	2
PILE SIZE	14"Φ	14"Φ
TOP ELEVATION	+10.0'	+10.0'
TIP ELEVATION	-25.0'	-20.0'
TOTAL LENGTH	35'	30'±

1/21/10

Architects
Engineers
Planners

3996 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Voice 954.865.2518 Fax 954.343.4029
AAC002142 EB0000022

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048

FILE No. :

DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.

DATE : 06-10-10

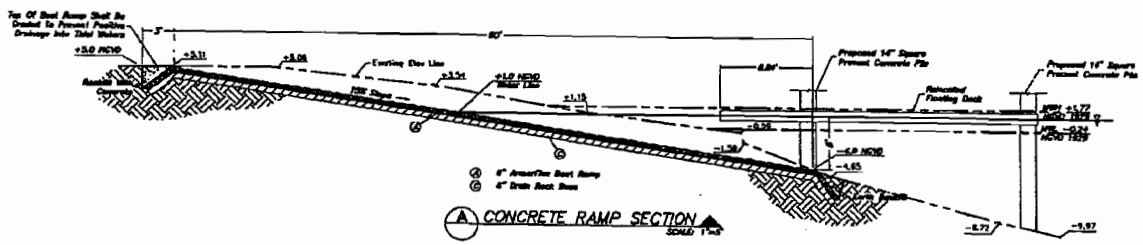
ISSUE/REVISIONS

SHEET TITLE
SITE PLAN

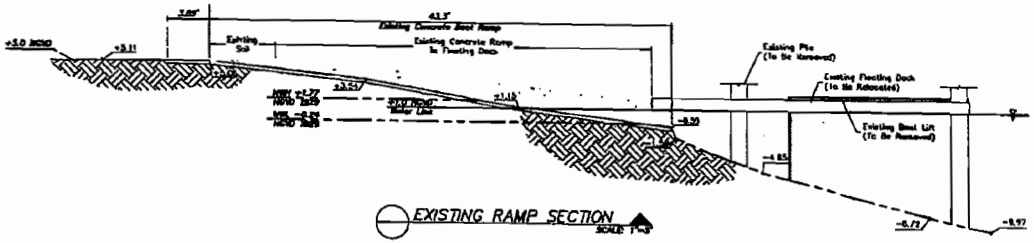
SHEET NUMBER
C-1

EXHIBIT 2 APPLICATION 100715-9 Page 3 of 6

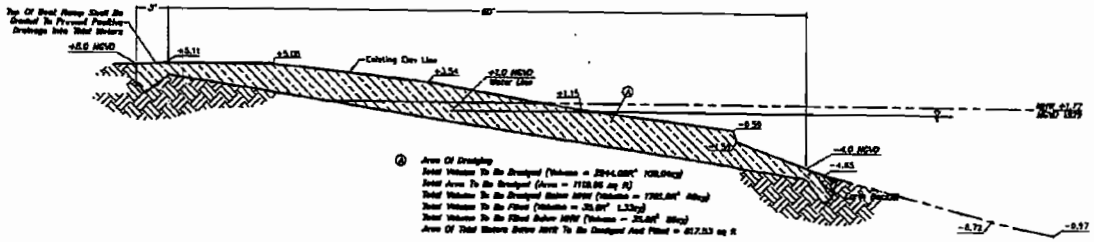
42



A CONCRETE RAMP SECTION
SCALE 1"=5'



EXISTING RAMP SECTION
SCALE 1"=5'



DREDGING SECTION
SCALE 1"=5'

Architects
Engineers
Planners

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048
FILE No. :
DRAWN : A.F.R.
REVIEWED: J.S.C.
CHECKED : J.S.C.
DATE : 06-10-10
ISSUE/REVISIONS

SHEET TITLE
BOAT RAMP DETAILS
SHEET NUMBER
C-2

EXHIBIT 2 APPLICATION 100715-9 Page 4 of 6

43

GENERAL NOTES AND SPECIFICATIONS
PROJECT NO. 1927-48

I. APPLICABLE CODES:

A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE FLORIDA BUILDING CODE, 2007 BASE COUNTY EDITION AND ALL OTHER LOCAL, STATE AND NATIONAL CODES WHERE APPLICABLE.

B. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.

C. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929, (N.G.V.D.) UNLESS OTHERWISE NOTED.

II. PRECONSTRUCTION RESPONSIBILITIES:

A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING AN EXCAVATION, CALL 1-800-432-4770.

B. ALL UTILITY EASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION (IF REQUIRED)

C. LOCATION OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE OBTAIN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY NOT SHOWN. VERIFY, IF POSSIBLE, THE ELEVATIONS, AND LOCATION OF CROSSING FACILITIES PRIOR TO CONSTRUCTION. IF AN CROSSING FACILITY IS ENCOUNTERED DURING CONSTRUCTION UPON EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.

D. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE PERMITS PRIOR TO START OF CONSTRUCTION.

III. INSPECTIONS:

A. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS, WHERE APPLICABLE:

1. REMOVALS
2. CONCRETE PILING AND REINFORCEMENT
3. ARTICULATED BLOCK REVETMENT
4. FINAL

IV. SHOP DRAWINGS:

A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: PRECAST PILES, CONCRETE BOX BEAMS, ARTICULATED BLOCK REVETMENT.

V. TEMPORARY FACILITIES:

A. TEMPORARY FACILITIES–
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY WITH THE OWNER.

B. TRAFFIC REGULATION–

1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT EXPRESS PERMISSION OF THE OWNER.

VI. PROJECT CLEANUP:

A. CLEANING UP–

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WITH AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EMPLOYEES, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS, TO THAT END, THE CONTRACTORS SHALL DO AS REQUIRED, ALL NECESSARY GRADING, DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND REMOVED SHALL BE USED FOR SUCH RESTORATIONS.
3. WHERE MATERIALS OR DEBRIS HAS WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, DITCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF IMMEDIATELY DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

B. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DISCOVERED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTORS EXPENSE.

C. ALL UNPAVED SURFACES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

D. PROJECT RECORD DOCUMENTS–

1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
2. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONSTRUCTION CONDITIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS.

VII. MATERIALS:

A. GENERAL–

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES TYPICAL OF THE SOUTH FLORIDA AREA AND IN COMPLIANCE WITH THE FLORIDA BUILDING CODE.

B. MATERIALS–

1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 psi, AND SHALL CONTAIN SILICA FUME OR EQUAL FOR CORROSION RESISTANCE AND REDUCED POROSITY.
2. CONCRETE SHALL BE CURED BY CLEAR CURING COMPOUND AS APPROVED BY THE ENGINEER. CARE SHALL BE TAKEN TO PREVENT OVERSPRAY INTO WATER.
3. PRECAST PILES SHALL BE 24" PRESTRESSED CONCRETE PILES IN ACCORDANCE WITH FDOT SPECIFICATIONS AS PER INDEX 20814.
4. ALL WATER SHALL BE POTABLE WATER OR APPROVED EQUAL.
5. ALL HARDWARE (SCREWS, BOLTS, WASHERS, NUTS, ANCHORS, ETC.) TO BE STAINLESS STEEL GRADE 316 OR APPROVED EQUAL.
6. ARMORFLEX ARTICULATED BLOCK SYSTEM SHALL BE OPEN CELL CONFIGURATION WITH CONCRETE BLOCK CLASS 30b CONSISTING OF NOMINAL BLOCKS 12.5"x9.5"x6" THICK.
7. ALL STEEL REINFORCING SHALL BE ASTM
8. ALL OTHER MATERIAL REQUIREMENTS ARE AS SPECIFIED IN THE PLANS.

C. CONCRETE INSTALLATION–

1. CONCRETE SHALL BE FORMED, TRANSPORTED, PLACED AND CURED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE ACI STANDARD SPECIFICATIONS.
2. FINISHED CONCRETE SHALL HAVE A LIGHT BROOM OR BURLAP FINISH.
3. ALL CONCRETE EDGES SHALL HAVE A ¾" CHAMFER.

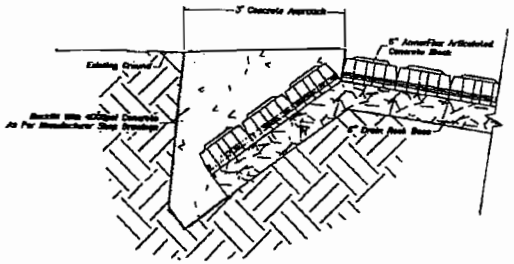
D. DOCK INSTALLATION–

1. THE EXISTING FLOATING DOCK SHALL BE RELOCATED NORTHWARD TO BE IN ALIGNMENT WITH THE ALUMINUM RAMP. FLOTATION ELEMENTS IN THE DOCK STRUCTURE WILL BE ADDED TO COMPENSATE FOR THE DIMINISHING LOADING FROM THE OFFSET PLACEMENT OF THE RAMP.
2. THE EXISTING TIMBER PILING SHALL BE EXTRACTED AND DISPOSED OF. NEW 14"x14"PRECAST PILING IN ACCORDANCE WITH FDOT STANDARDS WILL BE DRIVEN IN THE NEW LOCATION FOR THE FLOATING PIER.
3. CURRENT ELECTRICAL SERVICES AND LIGHTING SHALL BE DISCONNECTED FROM THE TIMBER PILING AND REATTACHED TO THE PRECAST PILING WITHOUT DISTURBING THE WIRING.
4. THE EXISTING BOAT LIFT TO THE NORTH OF THE FLOATING DOCK IS A SIMPLE METAL FRAME. IT SHALL BE REMOVED.

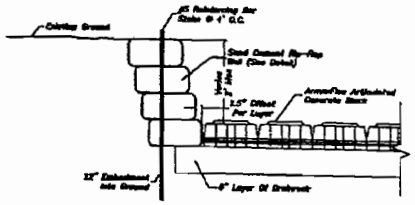
E. MANGROVE PROTECTION–

1. PRESERVATION OF NATURAL RESOURCES: SIGNIFICANT WETLAND TREES (MANGROVES) HAVE BEEN REMOVED ON THE NORTH AND THE SOUTH SHORELINE ADJACENT TO THE PROJECT AREA. THE CONTRACTOR SHALL NOT IMPACT MANGROVE TREES, OR BRANCHES OCCURRING WITHIN AND/OR ADJACENT TO THE PROJECT CORRIDOR. TWO WEEKS PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER TO FIELD VERIFY THE EXTENT AND SEGMENT OF WETLAND TREES TO BE PROTECTED ON SITE.
   A. PROVIDE TEMPORARY BARRIERS TO PROTECT EXISTING TREES AND ROOT ZONES.
   B. DO NOT REMOVE, PRUNE, OR DESTROY TREES OR OTHER PLANTS WITHOUT PRIOR APPROVAL.
   C. MANGROVE TREE BRANCHES AND LIMBS THAT INTERFERE WITH CONSTRUCTION SHALL BE TIED BACK TO PREVENT DAMAGE DURING CONSTRUCTION.
D. MANGROVE BRANCHES AND LIMBS SHALL BE TIED-OFF NOT TO PREVENT DAMAGE TO THE TREE.
E. TURBIDITY BARRIERS SHALL NOT BE TIED OFF TO EXISTING MANGROVES.
F. SELECT CONSTRUCTION EQUIPMENT AND TECHNIQUES WHICH WILL PREVENT DAMAGE TO SENSITIVE WETLAND RESOURCES SUCH AS MANGROVES. CAREFULLY SUPERVISE EXCAVATION, GRADING, FILLING, COMPACTION, AND OTHER CONSTRUCTION ACTIVITIES OCCURRING NEAR TREES AND SURFACE WATERS TO PREVENT IMPACTS.

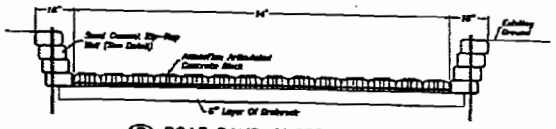
2. THIS PROJECT LIES WITHIN BISCAYNE BAY, WHICH IS DESIGNATED AS OUTSTANDING FLORIDA WATERS. NO DEGREDATION OF WATER QUALITY, INCREASED TURBIDITY OF THE WATER, AND/OR THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL BE PERMITTED.



BOAT RAMP END DETAIL
N.T.S.



RIP-RAP CROSS SECTION
N.T.S.



B BOAT RAMP CROSS-SECTION
SCALE: 1"=2'

1/21/10

Architects
Engineers
Planners

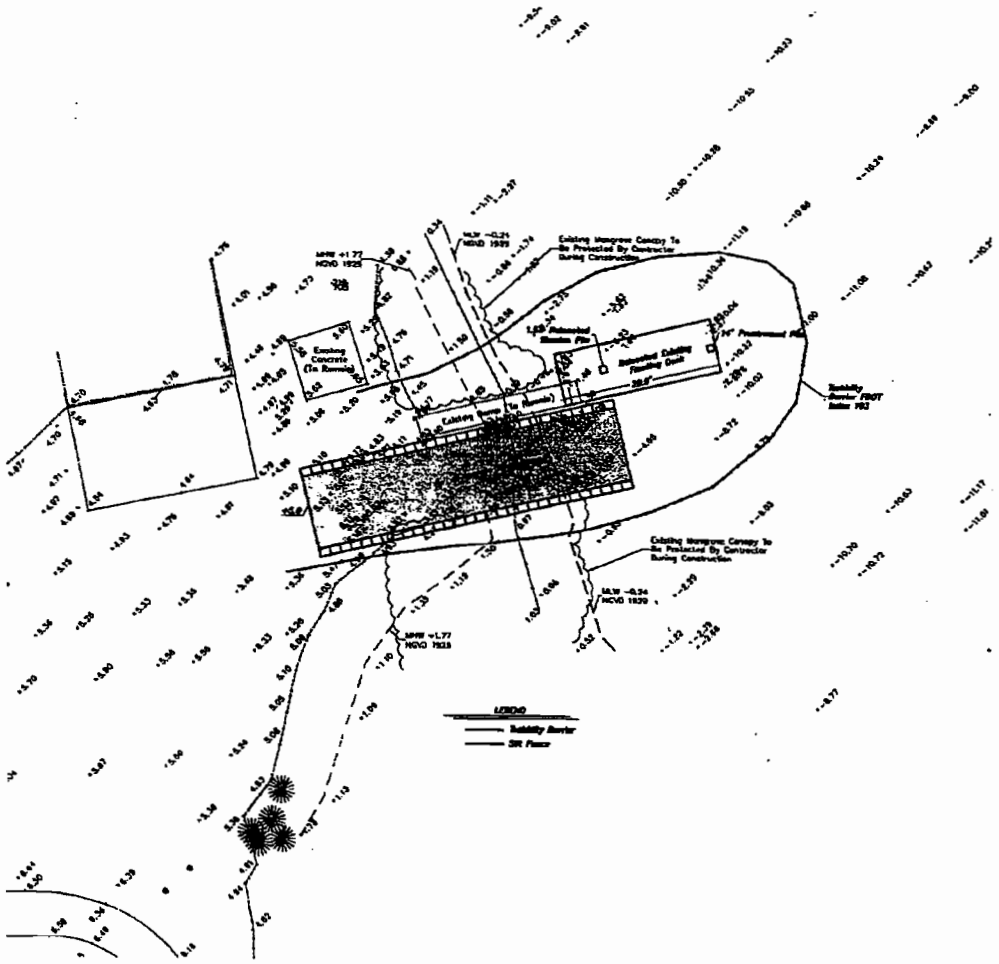
BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER
1927-048
FILE No. :
DRAWN : A.F.R.
REVIEWED : J.S.C.
CHECKED : J.S.C.
DATE : 06-10-10
ISSUE/REVISIONS

SHEET TITLE
GENERAL NOTES
SHEET NUMBER
C-3

EXHIBIT 2 APPLICATION 100715-9 Page 5 of 6

44



SCALE: 1"=30' WHEN ON LETTER SIZED PAPER

NPDES
Stormwater Pollution Prevention Plan (SWPPP)

The Contractor Is Required To Adhere To The Requirement Of The National Pollution Discharge Elimination System (NPDES). The Contractor Shall Implement Best Management Practices (BMPS) For Ensure Compliance With The NPDES Program And To Minimize The Impact To Public Stormwater Facilities.

Prior To Construction, A Silt Fence In Accordance With FDOT Index 103 (Latest Version) Type III Silt Fence Will Be Erected Along Of The Perimeter Of The Water Side Of Site Construction.

Prior To Construction, A Turbidity Barrier In Accordance With FDOT Index 103 (Latest Version) Will Be Erected Along Of The Perimeter Of The Construction Site As Shown.

All Existing And Proposed Catch Basins Will Have Inlet NPDS Protection By The Installation Of Filter Fabric Into The Frame And Grate.

Bale Silt Fencing And Filter Fabric Will Remain In Place During The Entire Duration Of Construction.

Contractor Will Prune All Existing Landscaping To Remain Prior To Beginning Any Work And Will Ensure Best Stabilization Throughout The Entire Construction Process. Exposed Soil Disturbed By Construction Must Be Well Affected By Proposed Grading Will Be Restored To Its Original Grade Upon Completion Of Construction. Disturbed Slopes Steeper Than 4 Horizontal To 1 Vertical Will Be Plugged.

All Waste Generated From The Construction Shall Be Disposed In Accordance With All Applicable State, Local, And Federal Regulations. Contractor Is To Obtain All Applicable Copies And Licenses Prior With Others, Local And Federal Regulations Prior To Beginning Construction. Regulations Can Be Found, But Not Limited To, Department Of Environmental Resource Management And Department Of Environmental Protection.

To Ensure That Off-site Vehicle Tracking Of Sediments And The Generation Of Dust Is Minimized, Contractor Is To Put Into Practice The Methods Detailed In Field Index 105 (Latest Version).

Dust Generated From Construction Will Be Minimized.

At Any Time During Construction That The Silt Fencing Is Undermined, The Silt Fencing Will Be Replaced To Its Original State Within 24 Hours. At No Time During Construction Shall Bale Be Permanent Without The Integrity Of The Silt Fencing Removed.

A Certified Inspector, Provided By The Operator, Shall Inspect All Points Of Discharge Into Surface Water. The Inspection Will Occur At Least Once Every Seven Calendar Days And Within 24 Hours Of The End Of A Storm That Is 0.5 Inches Or Greater. Inspection Included The Written Recording Of The Condition Of All Discharge Points, Integrity Of Silt Fencing, Daily Dust Control measures, Vehicular Traffic And Construction Material Storage And Disposal. Written Record Of All Inspections Will Be Stored By The Operator During Construction.

The Inspection Report Will Include, But Is Not Limited To, The Following Information: Name And Qualifications Of Personnel Making The Inspection, Date Of Inspection, Related Storm, Major Observations Including To The Proper Working Condition Of Equipment And Any Incident Of Noncompliance Note Permit, Where An Inspection Does Not Identify Any Incident Of Noncompliance, The Report Shall Contain A Certification That The Facility Is In Compliance With The Terms And The Permit.

The Permittee Shall Retain A Copy Of The SWPPP And All Reports, Records And Documentation Required By The Permit At The Construction Site Or At Appropriate Alternative Location. As Required In The Notice Of Intent, From The Date Of Project Initiation To The Date Of Final Stabilization. The Permittee Shall Retain Copies Of Storm And All Reports Required By This Permit, And Records Of All Data Used To Complete The Notice Of Intent To Be Covered By This Permit, For A Period Of At Least Three (3) Years From The Date That The Site Is Finally Stabilized.

Architects
Engineers
Planners

3990 N.W. 9th Avenue
Ft. Lauderdale, FL 33309
Tel: 954.563.1510 Fax: 954.537.0311
AA0002142 IB0000022

BOAT RAMP REPLACEMENT
FLORIDA INTERNATIONAL UNIVERSITY
NORTH MIAMI, FLORIDA

JOB NUMBER	1927-048
FILE No.	:
DRAWN	: A.F.R.
REVIEWED	: J.S.C.
CHECKED	: J.S.C.
DATE	: 06-10-10

ISSUE/REVISIONS

SHEET TITLE
STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER
C-4

EXHIBIT 2 APPLICATION 100715-9 Page 6 of 6

45

Florida Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

March 21, 2011

Ms. Daryl V. Stoddard
Environmental Resource Permitting Division
South Florida Water Management District
3301 Gun Club Road,
West Palm Beach, Fl 33406

Reference:	File:	WMD Application No. 100715-9
	Site:	Oleta River State Park
	Applicant:	Florida International University

Dear Ms. Stoddard:

The Division of Recreation and Parks has completed its review of Florida International University's (FIU) request, Application No. 100715-9, to improve its Biscayne Bay Campus Boat Ramp located in Miami-Dade County, Section 22 Township 52 South and Range 42 East, in the vicinity of Oleta River State Park.

It is our understanding that FIU will replace and expand its existing boat ramp for research vessels and will relocate its existing floating dock, boat lift and two wooden pilings. Although the proposed project is expected to encroach on new park lands, it is not expected to adversely affect the natural resources of Oleta River State Park due to absence of any significant benthic community within the proposed project area. It is also our understanding that the primary purpose of this boat ramp improvement is to accommodate larger research vessels. For these reasons, we would not object to the project being authorized as requested. However, we recommend that the applicant is required to use the best management practices including, but not be limited to:

1. Placing a turbidity screen around the entire project area that will remain In place until the work is completed.

2. Transporting and storing all construction material on the applicant's property, not on park property.

3. Removing excess and waste construction material to the applicant's property (no material may be discarded into park waters).

4. Performing all work from the applicant's property, where feasible.

5. Using shallow draft vessels to avoid contact with the bottom.

6. Using a barge with absorbent pads to collect any liquids that may leak from machinery.

7. Conducting a direct visual survey of the affected submerged area to determine the absence of any coral or plant community prior to setting the spuds if a work barge is required.

We appreciate the opportunity to review this application

Sincerely,

Albert G. Gregory, Chief
Office Park Planning
Division of Recreation and Parks

AGG/gd

cc: Paul Rice
Charles Stevens
Charles Jabaly

STAFF REPORT DISTRIBUTION LIST

FL INTERNATIONAL UNIVERSITY BISCAYNE BAY CAMPUS BOAT RAMP

Application No: 100715-9

Permit No: 13-04899-P

INTERNAL DISTRIBUTION

X Daryl Stoddard
X Kenson Coupet
X Barbara J. Conmy
X Carlos A. de Rojas, P.E.
X ERC Environmental
X H. Azizi
X Miami-Dade Service Center
X Permit File
X R. Karafel

EXTERNAL DISTRIBUTION

X Permittee - Florida International University
X Permittee - State Of Florida Board Of Trustees
X Agent - C3ts P A

GOVERNMENT AGENCIES

X Department of Env.Resource Mgmt Matt Davis-
X Div of Recreation and Park - District 5 - FDEP
X Miami-Dade County - DERM (Carlos Espinosa, PE)
X Miami-Dade County - DERM (Maria D. Molina, PE)
X Miami-Dade County Engineer Public Works Department

STAFF REPORT DISTRIBUTION LIST

ADDRESSES

C3ts P A
901 Ponce De Leon Blvd #900
Coral Gables FL 33134

Florida International University
Finance And Administration
11200 S W 8th Street Pc 523-A
Miami FL 33199

State Of Florida Board Of Trustees
Of The Internal Improvement Trust Fund
Douglas Building
Tallahassee FL 32399

Department of Env.Resource Mgmt Matt Davis-
701 Nw 1st Court, Suite 400
Miami FL 33136

Div of Recreation and Park - District 5 - FDEP
3 Lacroix Court
Key Largo FL 33037

Miami-Dade County - DERM (Carlos Espinosa, PE)
701 Nw 1st Court, Suite 400
Miami FL 33136

Miami-Dade County - DERM (Maria D. Molina, PE)
701 Nw 1st Court, Suite 400
Miami FL 33130

Miami-Dade County Engineer Public Works Department
111 Nw First Street
Metro Dade Center, 14th Floor
Miami FL 33128

Attachment F

DERM Project Report

PROJECT REPORT
CLASS I PERMIT APPLICATION NO. 2010-CLI-PER-00193

Resolution Relating to a Class I Permit Application by Florida International University to Dredge and Fill Tidal Waters for the Replacement of a Boat Ramp at 3000 NE 151 Street, North Miami, Miami-Dade County, Florida

Date: March 18, 2011

51

Staff's recommendation of approval for the above-referenced permit application is based on the applicable evaluation factors set forth in Section 24-48.3 of the Code of Miami-Dade County (Code), Florida. The following is a summary of the proposed project with respect to each applicable evaluation factor:

1. **Potential Adverse Environmental Impact** –The potential for any adverse environmental impacts from the proposed project is minimal. The proposed work is located within an area designated by the National Marine Fisheries Service-Protected Resources Division (NMFS-PRD) as critical habitat for *Halophila johnsonii* (Johnson's seagrass). However, a biological assessment conducted by the Department of Environmental Resources Management (DERM) biologists revealed no significant benthic resources in the area of the proposed work. Therefore, impacts to benthic resources as a result of dredging and filling of tidal waters are not expected. Minor loss of habitat and temporary water quality impacts typically associated with dredging and filling of tidal waters are anticipated as a result of this project. In order to compensate for said impacts, the applicant has agreed to provide a contribution to the Biscayne Bay Environmental Enhancement Trust Fund (BBEETF) in the amount of $392.22 that will be used for the creation of marine habitat.

   The halophytic vegetation documented in the area adjacent to the proposed boat ramp includes predominantly *Rhizophora mangle* (red mangroves), with a small percentage of *Laguncularia racemosa* (white mangroves) and *Conocarpus erectus* (buttonwoods). Potential impacts to halophytic vegetation will be minimized by the use of best management practices to avoid impacts, including tying back mangrove branches that are within the construction area rather than trimming. However, the proposed project will result in unavoidable impacts to 70 square feet of isolated mangrove trees that will be removed to accommodate the proposed boat ramp. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation, restoration, or enhancement of halophytic wetlands.

   The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for *Trichechus manatus* (West Indian Manatee). DERM staff believes that the project is consistent with the recommendations of the MDCMPP because the vessels associated with the boat ramp will only be utilized by university faculty, staff and students for the marine science education and research programs. Therefore, the frequency of vessel deployment is expected to be low and will not result in additional vessel traffic in the area. The Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

2. **Potential Cumulative Adverse Environmental Impact** – The proposed project is not reasonably expected to result in potential cumulative adverse environmental impacts.

3. **Hydrology** – The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater. The landward end of the proposed boat ramp has been graded in order to prevent positive drainage of stormwater into tidal waters.

4. **Water Quality** –The proposed project may temporarily affect surface water quality. Temporary water quality impacts typically associated with the dredging and filling of tidal waters are anticipated as a result of this project. However, the Class I permit will require that turbidity control devices such as, but not limited to, silt fencing and turbidity curtains, be utilized during all phases of construction to ensure compliance with the County's water quality standards for turbidity.

5. **Wellfields** – Not applicable.

6. **Water Supply** – Not applicable.

7. **Aquifer Recharge** – Not applicable.

8. **Aesthetics** – The proposed project is not reasonably expected to have negative aesthetic impacts. The proposed project will be similar to the existing boat ramp. However, during the construction process there may be temporary aesthetic impacts related to the presence of machinery and equipment associated with construction activities.

9. **Navigation** – The proposed project is not reasonably expected to adversely affect navigation.

10. **Public Health** – The proposed project is not reasonably expected to adversely affect public health.

11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values.

12. **Archaeological Values** - The proposed project is not reasonably expected to adversely affect archaeological values.

13. **Air Quality** – The proposed project is not reasonably expected to adversely affect air quality.

14. **Marine and Wildlife Habitats** –The proposed project is not reasonably expected to adversely affect marine and wildlife habitats. The proposed work is located within an area designated by the NMFS-PRD as critical habitat for Johnson's seagrass. However, a biological assessment conducted by DERM biologists revealed no significant benthic resources in the area of the proposed work. Minor loss of habitat and temporary water quality impacts typically associated with dredging and filling of tidal waters are anticipated as a result of this project. In order to compensate for said impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $392.22 that will be used for the creation of marine habitat.

    Halophytic vegetation was documented in the area adjacent to the proposed boat ramp. Potential impacts to halophytic vegetation will be minimized by the use of best management practices to avoid impacts. The proposed project will result in unavoidable impacts to 70 square feet of isolated mangrove trees. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation, restoration or enhancement of halophytic wetlands.

    The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for the West Indian Manatee. DERM staff believes that the project is consistent with the recommendations of the MDCMPP, and the Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

15. **Wetland Soils Suitable for Habitat** – The proposed boat ramp will be installed in an upland area immediately adjacent to a wetland area dominated by halophytic vegetation. A riprap wall is being incorporated into the boat ramp area to stabilize the sides of the ramp and prevent erosion along the adjacent wetland areas. Therefore, the proposed project is not reasonably expected to affect wetland soils suitable for habitat.

16. **Floral Values** – The proposed project will result in the removal of 70 square feet of isolated mangrove trees to accommodate the proposed structure. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation, restoration or enhancement of halophytic wetlands. A biological assessment revealed no significant seagrass or algal resources in the area of the proposed work.

17. **Fauna Values** – The proposed project is not reasonably expected to adversely affect faunal values. Although the sediment may support marine epifauna (animals living on the sediment surface or on the surface of other plants or animals) and infauna (animals living within submerged sediment), the sediment do not support any significant marine resources.

    The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for the West Indian Manatee. DERM staff believes that the project is consistent with the recommendations of the MDCMPP, and the Class I permit will

require that all standard construction permit conditions regarding manatees be followed during construction activities.

18. **Rare, Threatened and Endangered Species** – The proposed project is not reasonably expected to adversely affect any rare, threatened or endangered species. The proposed work is located within an area designated by NMFS-PRD as critical habitat for Johnson's seagrass. However, a biological assessment conducted by DERM biologists revealed no significant seagrass resources in the area of the proposed work.

    The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for the West Indian Manatee. DERM staff believes that the project is consistent with the recommendations of the MDCMPP, and the Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

19. **Natural Flood Damage Protection** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.

20. **Wetland Values** – The proposed project is not reasonably expected to affect wetland values – The proposed boat ramp will be installed in an upland area immediately adjacent to a wetland area dominated by halophytic vegetation. A riprap wall is being incorporated into the boat ramp area to stabilize the sides of the ramp and prevent erosion along the adjacent wetlands. The proposed project will result in the removal of 70 square feet of isolated mangrove trees to accommodate the proposed boat ramp; however, said mangroves are not located within wetlands.

21. **Land Use Classification** – Pursuant to Section 24-48.2(II)(A)(7), of the Code, a substantiating letter shall be submitted stating that the proposed project does not violate any zoning laws. Said letter will be submitted after the approval by the Board of County Commissioners and prior to the issuance of a Class I permit.

22. **Recreation** - The proposed project does not conflict with the recreation element of the Miami-Dade County Comprehensive Development Master Plan.

23. **Other Environmental Values Affecting the Public Interest** - The proposed project is not reasonably expected to adversely affect environmental values affecting the public interest. Furthermore, since the proposed project will occur on State-owned lands, the applicant has obtained authorization from the State of Florida.

24. **Conformance with Standard Construction Procedures and Practices and Design and Performance Standards** – The proposed project complies with the standard construction procedures and practices and design and performance standards of the following:

    a) Miami-Dade County Public Works Manual
    b) Biscayne Bay Management Plan (Sections 33D-1 through 33D-4 of the Code of Miami-Dade County)
    c) Chapter 33B of the Code of Miami-Dade County

25. **Comprehensive Environmental Impact Statement (CEIS)** – In the opinion of the Director, the proposed project will result in only minimal environmental impacts and is not reasonably expected to result in cumulative adverse environmental impacts. Therefore, a CEIS was not required by DERM to evaluate the project.

26. **Conformance with All Applicable Federal, State and Local Laws and Regulations** - The proposed project is in conformance with the following applicable State, Federal and local laws and regulations:

    a) Chapter 24 of the Code of Miami-Dade County
    b) United States Clean Water Act (US Army Corps of Engineers permit is required)
    c) South Florida Water Management District (permit is required)

27. **Conformance with the Miami-Dade County Comprehensive Development Master Plan (CDMP)** - In the opinion of DERM, the proposed project is in conformance with the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

LAND USE ELEMENT I:

Objective 2/Policy 2A - Level of Service. The proposed project does not involve new or significant expansion of existing urban land uses.

Objective 3/Policies 3A, 3B, 3C - Protection of natural resources and systems. – The proposed project is consistent with the Conservation and Coastal Management Elements of the CDMP. The project is compatible with surrounding land uses in Biscayne Bay and does not involve development in the Big Cypress area of Critical State concern or the East Everglades.

TRANSPORTATION ELEMENT II

Aviation Subelement/Objective 9 - Aviation System Expansion - There is no aviation element to the proposed project.

Port of Miami River Subelement/Objective 3 - Minimization of impacts to estuarine water quality and marine resources. The proposed project will not take place within the tidal waters of the Miami River.

CONSERVATION, AQUIFER RECHARGES AND DRAINAGE ELEMENT IV:

Objective 3/Policies 3A, 3B, 3D - Wellfield protection area protection. - The proposed project is not located within a wellfield protection area.

Objective 3/Policy 3E - Limestone mining within the area bounded by the Florida Turnpike, the Miami-Dade/Broward Levee, N.W. 12 Street and Okeechobee Road. - The proposed project is not located within this area.

Objective 4/Policies 4A, 4B, 4C - Water storage, aquifer recharge potential and maintenance of natural surface water drainage. - The proposed project is not reasonably expected to adversely affect water storage, aquifer recharge potential or natural surface water drainage.

Objective 5/Policies 5A, 5B, 5F - Flood protection and cut and fill criteria. – The proposed project does not compromise flood protection, involve filling for development purposes, and is not related to cut and fill activities.

Objective 6/Policy 6A - Areas of highest suitability for mineral extraction. - The proposed project is not located in an area proposed or suitable for mineral extraction.

Objective 6/Policy 6B - Guidelines for rock quarries for the re-establishment of native flora and fauna. - The proposed project is not located in a rock quarry.

Objective 6/Policy 6D - Suitable fill material for the support of development. – The proposed project does not involve filling for the purposes of development.

Objective 7/Policy 7A – No net loss of high quality, relatively unstressed wetlands. – The proposed project will not result in a net loss of any such wetlands.

Objective 9/Policies 9A, 9B, 9C – Protection of habitat critical to Federal State-designated threatened or endangered species.

The proposed work is located within an area designated by NMFS-PRD as critical habitat for Johnson's seagrass. However, a biological assessment conducted by DERM biologists revealed no significant seagrass resources in the area of the proposed work.

The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for the West Indian Manatee. DERM staff believes that the project is consistent with the recommendations of the MDCMPP, and the Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

COASTAL MANAGEMENT ELEMENT VII:

Objective 1/Policy 1A – Tidally connected mangroves in mangrove protection areas. – The area where the project is proposed to occur has been designated by the CDMP of Miami-Dade County as a Mangrove Protection Area; however, the proposed project is water-dependent, and is therefore consistent with the CDMP. The proposed project will result in the removal of 70 square feet of isolated mangrove trees. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation of marine habitat.

Objective 1/ Policy 1B - Natural surface flow into and through coastal wetlands. – The project will not affect natural surface flow into and through coastal wetlands.

Objective 1/ Policy 1C - Elevated boardwalk access through mangroves. – The proposed project does not involve the installation of an elevated boardwalk to provide access through mangroves.

Objective 1/Policy 1D - Protection and maintenance of mangrove forests and related natural vegetational communities. - Potential impacts to mangroves will be minimized by the use of best management practices to avoid impacts, including tying back mangrove branches that are within the construction area rather than trimming. However, the proposed project will result in unavoidable impacts to 70 square feet of isolated mangrove trees that will be removed to accommodate the proposed boat ramp. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation, restoration, or enhancement of halophytic wetlands.

Objective 1/Policy 1E - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – The proposed project does not involve the degradation and destruction of coastal wetlands and therefore does not involve monitoring of mitigation for impacts to coastal wetlands. The proposed project will result in the removal of 70 square feet of isolated mangrove trees to accommodate the proposed boat ramp; however, said mangroves are not located within coastal wetlands. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation of marine habitat.

Objective 1/Policy 1G - Prohibition on dredging or filling of grass/algal flats, hard bottom or other viable benthic communities, except as provided for in Chapter 24 of the Code of Miami-Dade County, Florida. – The project does not involve the dredging or filling of grass/algal flats, hard bottom or other viable benthic communities.

Objective 2/Policies 2A, 2B - Beach restoration and renourishment objectives. - The proposed project does not involve beach restoration or renourishment.

Objective 3/Policy 3E, 3F - Location of new cut and spoil areas for proper stabilization and minimization of damages. - The proposed project does not involve the development or identification of new cut or spoil areas.

Objective 4/Policy 4A, 4C, 4E, 4F – Protection of endangered or threatened animal species. - The proposed work is not reasonably expected to affect endangered or threatened animal species. The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for the West Indian Manatee. DERM staff believes that the project is consistent with the recommendations of the MDCMPP, and the Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

Objective 5/Policy 5B - Existing and new areas for water-dependent uses. - The proposed project is not reasonably expected to affect existing water dependent uses.

Objective 5/Policy 5D - Consistency with Chapter 33D, Miami-Dade County Code (shoreline access, environmental compatibility of shoreline development) - The Shoreline Development Review Committee has evaluated the proposed project and determined that the thresholds for review under the Shoreline Ordinance do not apply and the proposed project is not subject to shoreline development review.

Objective 5/Policy 5F - The siting of water dependent facilities. - The proposed project does not involve the creation of any new water dependent facilities.

28. **Conformance with Chapter 33B, Code of Miami-Dade County** (East Everglades Zoning Overlay Ordinance) – The proposed project is not located within the East Everglades Area.

29. **Conformance with Miami-Dade County Ordinance 81-19** (Biscayne Bay Management Plan Sections 33D-1 through 33D-4 of the Code of Miami-Dade County) - The proposed project is in conformance with the Biscayne Bay Management Plan.

30. **Conformance with the Miami-Dade County Manatee Protection Plan** - Protection of endangered or threatened animal species. – The project site is located in an area designated by the Miami-Dade County Manatee Protection Plan (MDCMPP) as essential habitat for the West Indian Manatee. DERM staff believes that the project is consistent with the recommendations of the MDCMPP, and the Class I permit will require that all standard construction permit conditions regarding manatees be followed during construction activities.

31. **Consistency with Miami-Dade County Criteria for Lake Excavation** – The proposed project does not involve lake excavation.

32. **Municipality Recommendation** – Pursuant to Section 24-48.2(II)(A)(7), Code of Miami-Dade County, Florida, a substantiating letter shall be submitted stating that the proposed project does not violate any zoning laws. Said letter will be submitted after the approval by the Board of County Commissioners and prior to the issuance of the Class I permit.

33. **Coastal Resources Management Line** - A coastal resources management line was not required for the proposed project, pursuant to Section 24-48.2(II)(A)(10)(b) of the Code of Miami-Dade County, Florida.

34. **Maximum Protection of a Wetland's Hydrological and Biological Functions** – The proposed boat ramp will be installed in an upland area immediately adjacent to a wetland area dominated by halophytic vegetation. A riprap wall is being incorporated into the boat ramp area to stabilize the sides of the ramp and prevent erosion along the adjacent wetland areas. Potential impacts to halophytic vegetation will be minimized by the use of best management practices to avoid impacts, including tying back mangrove branches that are within the construction area rather than trimming. The proposed project will result in unavoidable impacts to 70 square feet of isolated mangrove trees that will be removed to accommodate the proposed boat ramp. To mitigate for these impacts, the applicant has agreed to provide a contribution to the BBEETF in the amount of $560.00 that will be used for the creation, restoration, or enhancement of halophytic wetlands.

35. **Class I Permit Applications Proposing to Exceed the Boundaries Described in Section D-5.03(2)(a) of the Miami-Dade County Public Works Manual** – DERM has considered the following factors:

    i. **Whether the proposed exceedance is the minimum necessary to avoid seagrasses or other valuable environmental resources** – Not applicable.
    ii. **Whether the proposed exceedance is the minimum necessary to achieve adequate water depth for mooring of a vessel** – Not applicable.
    iii. **Whether the applicant has provided notarized letters of consent to DERM from adjoining riparian property owners** – Not applicable.

iv. **Whether any letters of objection from adjoining riparian property owners were received by DERM** – Not applicable.

The proposed project was also evaluated for compliance with the standards contained in Section 24-48.3(2), (3), and (4) of the Code. The following is a summary of how the standards relate to the proposed project:

24-48.3 (2) Dredging and Filling for Class I Permit - The proposed project complies with the following criteria:

- The minimum dredging and filling for the creation and maintenance of marinas, piers, docks, and attendant navigational channels.

24-48.3 (3) Minimum Water Depth Required for Boat Slips Created by the Construction or Placement of Fixed or Floating Docks and Piers, Piles and Other Structures Requiring a Permit Under Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County –The proposed project complies with the water depth requirements set forth in Section 24-48.3(3) of the Code.

24-48.3 (4) Clean Fill in Wetlands – The proposed project does not involve the placement of clean fill in wetlands.

BASED ON THE FOREGOING, IT IS RECOMMENDED THAT A CLASS I PERMIT BE APPROVED.

Lisa Spadafina, Manager
Coastal Resources Section

Nicole Fresard, Biologist II
Coastal Resources Section