OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

# Memorandum

MIAMI-DADE COUNTY

**Date:** May 7, 2013

**To:** Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

Agenda Item No. 3(B)(5)

**From:** Carlos A. Gimenez
Mayor

Resolution No. R-325-13

**Subject:** Resolution Ratifying the Submission of a Grant Application to the Florida Inland Navigation District, Waterways Assistance Program for up to $500,000.00 in Grant Funds Providing Matching Funds from the Building Better Communities General Obligation Bond Program to Construct Two (2) Sections of the Miami River Greenway

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## RECOMMENDATION

It is recommended that the Board of County Commissioners approve the attached resolution ratifying the submission of a grant application to the Florida Inland Navigation District, Waterways Assistance Program for up to $500,000.00 in grant funds for the construction of two (2) sections of the Miami River Greenway, and further authorizing the County Mayor or County Mayor's designee to receive and expend funds and execute contracts and amendments as required.

## SCOPE

These sections of the Miami River Greenway are located at sites on the Miami River as follows: the North Shore beneath the Metrorail on SW 1 Avenue, and the South Shore beneath the Metrorail on SW 1 Court. All sites are located within the City of Miami, in Bruno A. Barreiro's Commission District 5. The Miami River Greenway will provide public access to the Miami River for all residents and visitors to Miami-Dade County.

## FISCAL IMPACT/FUNDING SOURCE

The total construction cost for this project is $1,327,680.00, of which $1,024,025.00 are considered eligible for the Florida Inland Navigation District Grant program. Of the $1,024,025.00 in eligible costs, the County is applying for $500,000.00 in grant funding and will provide a County match of $524,025.00. The grant match of $524,025.00, along with the balance of $303,655.00, will be provided by future bond funding from the Building Better Communities General Obligation Bond Program. The funding index code for this project is CPG126PW1283, and the Capital project number is 6010960.

## DELEGATION OF AUTHORITY

No additional authority is being requested within the body of this contract.

## TRACK RECORD/MONITOR

The grant will be administered by the Miami-Dade County Public Works and Waste Management Department (PWWM). The Project Manager responsible for monitoring project construction is Bassam Moubayed, CFM, Chief, Construction Division, PWWM.

## BACKGROUND

On November 2, 2004, voters approved the Building Better Communities General Obligation Bond and associated capital improvement projects throughout the County. The list of projects includes Project No. 126 – "Miami River Greenway." The project consists of the construction of six (6) separate County-owned parcels which will provide continuity to the Miami River Greenway Network. A previous grant application was approved by the Florida Inland Navigation District for Miami River Greenway Sites 1, 2, 3 and 6, which are currently under construction.

This application is being submitted to provide funding for Miami River Greenway Sites 4 and 5. Project items will include the construction of a 25-foot wide public pedestrian/bicycle shared use riverwalk, featuring a minimum 16-foot wide unobstructed concrete pathway, buffer zone with bollard lighting along the waterfront, landscaping, benches, trash receptacles, decorative lighting, wayfinding signage, bike racks, and pet stations.

The Florida Inland Navigation District is a Special State Taxing District for the continued management and maintenance of the Atlantic Intracoastal Waterway. The Waterways Assistance Program is a grant program established by the Florida Legislature and the District for the purpose of financially cooperating with local governments to alleviate problems related to the Atlantic Intracoastal Waterway and associated waterways within the District. The Miami River Greenway is located along a Federal Navigable Channel, which directly connects to the Atlantic Intracoastal Waterway. The Florida Inland Navigation District required the submission of an application by April 1, 2013. As a component of the application, a copy of the attached Resolution must be submitted by no later than May 31, 2013. If the application is successful, grant funds will be available in October 2013.

The project is tentatively scheduled to begin construction in February 2014, and is anticipated to be completed by the end of October 2014.

Alina T. Hudak
Deputy Mayor

# MEMORANDUM
(Revised)

**TO:** Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

**DATE:** May 7, 2013

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

**SUBJECT:** Agenda Item No. 3(B)(5)

**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 Mayor'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**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 3(B)(5)
5-7-13

RESOLUTION NO. R-325-13

RESOLUTION RATIFYING THE SUBMISSION OF A GRANT APPLICATION TO THE FLORIDA INLAND NAVIGATION DISTRICT, WATERWAYS ASSISTANCE PROGRAM FOR UP TO $500,000.00 IN GRANT FUNDS PROVIDING MATCHING FUNDING FROM THE BUILDING BETTER COMMUNITIES GENERAL OBLIGATION BOND PROGRAM TO CONSTRUCT TWO (2) SECTIONS OF THE MIAMI RIVER GREENWAY AND FURTHER AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO RECEIVE AND EXPEND FUNDS, AND TO EXERCISE ALL PROVISIONS CONTAINED THEREIN

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

**WHEREAS,** Miami-Dade County is interested in carrying out the following described project for the enjoyment of the citizenry of Miami-Dade County and the State of Florida:

Project Title: Miami River Greenway

Total Estimated Construction Costs: $1,327,680.00

Total Estimated Grant-Eligible Costs: $1,024,025.00 (Waterways Assistance Program eligible costs)

Brief Description of Project: Construction of two (2) sections of the Miami River Greenway, on separate County-owned parcels, which will provide continuity to the Miami River Greenway Network. The project includes the construction of a 25 ft wide pedestrian/bicycle shared use riverwalk including lighting,

landscaping, and hardscape elements such as benches and trash receptacles, seawall construction, drainage, landscape architecture details, and all of the necessary incidental items for a complete project; and

**WHEREAS**, Florida Inland Navigation District financial assistance is required for the program mentioned above,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board ratifies the submission of a Grant Application to the Florida Inland Navigation District Waterways Assistance Program to apply for up to $500,000.00 in grant funds from the Florida Inland Navigation District for the construction of sections of the Miami River Greenway and that the project described above be authorized;

AND, be it further resolved that said Miami-Dade County makes application to the Florida Inland Navigation District in the amount of approximately 48.8% of the actual grant-eligible costs of the project on behalf of said Miami-Dade County;

AND, to comply with the conditions of the Grant Program, be it further resolved by Miami-Dade County that it certifies to the following:

1. That it will accept the terms and conditions set forth in Florida Inland Navigation District Rule 66B-2 F.A.C. and which will be a part of the Project Agreement for any assistance awarded under the attached proposal.

2. That it is in complete accord with the attached proposal and that it will carry out the Program in the manner described in the proposal and any plans and specifications attached thereto unless prior approval for any change has been received from the District.

3. That it has the ability and intention to finance its share of the cost of the project and that the project will be operated and maintained at the expense of said Miami-Dade County for public use.

4. That it will not discriminate against any person on the basis of race, color or national origin in the use of any property or facility acquired or developed pursuant to this proposal, and shall comply with the terms and intent of the Title VI of the Civil Rights Act of 1964, P. L. 88-352 (1964) and design and construct all facilities to comply fully with statutes relating to accessibility by handicapped persons as well as other federal, state and local laws, rules and requirements.

5. That it will maintain adequate financial records on the proposed project to substantiate claims for reimbursement.

6. That it will make available to the Florida Inland Navigation District if requested, a post-audit of expenses incurred on the project prior to, or in conjunction with, request for the final 10% of the funding agreed to by the Florida Inland Navigation District.

AND, be it resolved that the Board authorizes the County Mayor or County Mayor's designee to execute such contracts and agreements as are required by this governmental body following approval by the County Attorney's Office; to receive and expend all monies for the purposes described in the funding request; and to file and execute any necessary amendments to the agreement for and on behalf of Miami-Dade County, Florida.

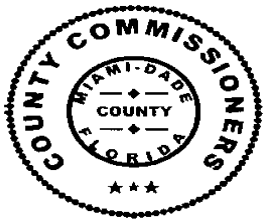
The foregoing resolution was offered by Commissioner **Lynda Bell**, who moved its adoption. The motion was seconded by Commissioner **Sally A. Heyman** and upon being put to a vote, the vote was as follows:

| | | | |
|---|---|---|---|
| Rebeca Sosa, Chairwoman | | | **aye** |
| Lynda Bell, Vice Chair | | | **aye** |
| Bruno A. Barreiro | **aye** | Esteban L. Bovo, Jr. | **aye** |
| Jose "Pepe" Diaz | **absent** | Audrey M. Edmonson | **aye** |
| Sally A. Heyman | **aye** | Barbara J. Jordan | **aye** |
| Jean Monestime | **absent** | Dennis C. Moss | **aye** |
| Sen. Javier D. Souto | **absent** | Xavier L. Suarez | **aye** |
| Juan C. Zapata | **absent** | | |

The Chairperson thereupon declared the resolution duly passed and adopted this 7th day of May, 2013. 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: Christopher Agrippa
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency. JEB

Jason E. Bloch

# WATERWAYS ASSISTANCE PROGRAM FY 2013
# PROJECT APPLICATION

## MIAMI RIVER GREENWAY
(Sites 4, 5)

MIAMI-DADE COUNTY
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
111 NW 1 STREET, SUITE 1510
MIAMI, FL 33128

**ATTACHMENT E-1**

**WATERWAYS ASSISTANCE PROGRAM FY 2013**
**PROJECT APPLICATION**
**APPLICANT INFORMATION – PROJECT SUMMARY**

Applicant: Miami-Dade County

Department: Public Works and Waste Management

Project Title: Miami River Greenway

Project Director: Lana Moorey, P.E. Title: Public Works and Waste Management Department, Highway Division, Project Manager

Project Liaison Agent (*if different from above*): _____

Liaison Agent Title: _____

Address: 111 NW 1 ST, Suite 1510

Miami, FL _____ Zip Code: 33128

Telephone: 305-375-2863 Fax: 305-679-7738

Email: lana@miamidade.gov

***** **I hereby certify that the information provided in this application is true and accurate.****

SIGNATURE: _____ DATE: _____

**PROJECT SUMMARY NARRATIVE (Please summarize the project in 2 paragraphs or less.)**

Miami-Dade County respectfully requests $500,000, to be matched by $524,025 to construct two sections of the Miami River Greeneway located on the Miami River as follows:

Site 4 - Riverwalk on the north shore beneath the Metrorail on SW 1st Avenue and
Site 5 - Riverwalk on the south shore beneath the Metrorail on SW 1st Court.
Please see the attached aerial photograph of the proposed locations, all of which will provide public access to the Miami River for all residents and visitors of the Miami-Dade County.

Form No. 90-22
New 12/17/90, Rev.07-30-02, 08-28-06

## ATTACHMENT E-2.

## APPLICATION CHECKLIST 2013

*(To be completed by the Applicant)*

**This checklist and the other items listed below in items 1 through 14 constitute your application. The required information shall be submitted in the order listed.**

**Any additional information submitted by the applicant is subject to being removed from the package by District staff prior to presentation to the District Board because of reproduction and space considerations.**

**Two (2) copies of your application are required. One original and one electronic copy.**

**<u>All information</u> (except maps) <u>is required to be on 8 1/2" x 11" paper</u>. Maps and drawings may be on 8 1/2" x 14" paper and folded to 8 1/2" x 11" so that they may be included to hole punch and bound by staff.**

| | PROJECT NAME: Miami River Greenway | YES | NO |
|---|---|---|---|
| 1. | District Commissioner Review (prior to March 01)<br>(*NOTE*: **For District Commissioner initials ONLY!)**<br>**(District Commissioner must initial the yes line on this checklist for the application to be deemed complete)** | TSC | ___ |
| 2. | Applicant Info/Project Summary – E-1 (Form No. 90-22, 1 page)<br>**(Form must be completed and signed)** | _X__ | ___ |
| 3. | Application Checklist – E-2 (Form No. 90-26, 2 pages)<br>**(Form must be signed and dated)** | _X__ | ___ |
| 4. | Project Information – E-3 (Form No. 90-22a, 1 page) | _X__ | ___ |
| 5. | Project Evaluation and Rating – E-4$_{(+)}$ (Form No. 91-25)<br>(Form must be completed, proper attachment included)<br>**(No signatures required)** | _X__ | ___ |
| 6. | Project Cost Estimate – E-5 (Form No. 90-25, 1 page)<br>**(Must be on District form)** | _X__ | ___ |
| 7. | Official Resolution Form – E-6 (Form No. 90-21, 2 pages)<br>**(Resolution must be in District format and include items 1-6)** | ___ | _X_ |
| 8. | Attorney's Certification (Land Ownership) – E-7<br>**(Must be on or follow format of Form No. 94-26,**<br>**(Legal descriptions NOT accepted in lieu of form)** | ___ | _X_ |

## ATTACHMENT E-2 (Continued)

## APPLICATION CHECKLIST

*(To be completed by the Applicant)*

| | | | |
|---|---|---|---|
| 9. | Project Timeline – E-8 (Form No. 96-10, 1 page) | X | |
| 10. | County Location Map | X | |
| 11. | City Location Map (if applicable) | X | |
| 12. | Project Boundary Map | X | |
| 13. | Clear & Detailed Site Development Map | X | |
| 14. | Copies of all Required Permits (Required of development projects only) | | X |

The undersigned, as applicant, acknowledges that Items 1 through 13 above constitutes a complete application and that this information is due in the District office no later than 4:30 PM, April 01, 2013. By May 31, 2013 my application must be deemed complete (except for permits) or it will be removed from any further consideration by the District. I also acknowledge that the information in Item 14 is due to the District no later than the final TRIM Hearing in September 2013. If the information in Item 14 is not submitted to the District office by the District's final TRIM hearing in September 2013, I am aware that my application will be removed from any further funding consideration by the District.

APPLICANT: Miami-Dade County APP. TITLE: Deputy Mayor

_____ _____

**** SIGNATURE - APPLICANT'S LIAISON **** DATE

**FIND OFFICE USE ONLY**

Date Received: _____

Local FIND Commissioner Review: _____

All Required Supporting Documents: _____

Applicant Eligibility: _____

Project Eligibility: _____ Available Score: ____

Compliance with Rule 66B-2 F.A.C.: _____

_____

Eligibility of Project Cost: _____

Form No. 90-26 - New 9/2/92, Revised 07-30-02.

## ATTACHMENT E-3 - PROJECT INFORMATION 2013

APPLICANT: Miami-Dade County APPLICATION TITLE: Miami River Greenway

Total Project Cost: $ 1,024,025 FIND Funding Requested: $ 500,000 % of total cost: 48.8%

Amount and Source of Applicants Matching Funds: $524,025 from Miami-Dade County Building Better Communities General Obligation Bond Program (BBC-GOB).

Other (non-FIND) Assistance applied for (name of program and amount) N/A

Ownership of Project Site (check one): Own: X Leased: _____ Other: _____

If leased or other, please describe lease or terms and conditions: N/A

Once completed, will this project be insured against damage? Yes Explain: Sites and project will be maintained by Miami-Dade County

Has the District previously provided assistance funding to this project or site? :Yes

If yes, please list: Funding has been granted to four (4) sites of this project: The South Shore beneath SW 2 Avenue Bridge (Site 1), the South Shore at the SE 5 Street Metromover Station (Site 2), the North Shore beneath South Miami Avenue Bridge (Site 3) and the North Shore at NW 3 Street next to a Miami-Dade Water and Sewer Department (WASD) site (Site 6). At present time these sites are under construction.

What is the current level of public access in terms of the number of boat ramps, boat slips and trailer parking spaces, linear feet of boardwalk (etc.)? (as applicable): Currently the sites do not have the public riverwalk which this grant application would fund if awarded.

How many additional ramps, slips, parking spaces or other public access features will be added by the completion of this project? (as applicable): 160 LF of public riverwalk

If there are fees charged for the use of this project, please denote. How do these fees compare with fees from similar public & private facilities in the area? Please provide documentation. N/A

**Please list all Environmental Resource Permits required for this project:**

| Agency | Yes/ No N/A | Date Applied For | Date Received |
|---|---|---|---|
| DEP | Yes | 5/26/10 and 3/13/12 | pending easements to be granted |
| ACOE | Yes | 5/26/10 | 01/28/2013 |
| COUNTY(RER) | Yes | 5/26/10 | pending upon obtaining DEP permit |

Form No. 90-22a (New 10-14-92, Rev. 04-24-06, 4-15-07)

# ATTACHMENT E-4

## WATERWAYS ASSISTANCE PROGRAM

## APPLICATION EVALUATION AND RATING WORKSHEET 2013

The applicant is to complete this worksheet by entering the project title, applicant name and answers to the applicable questions. **<u>Do not answer with more than three sentences.</u>**

All applicants must answer a total of ten questions. All applicants will complete Attachment E-4 of the worksheet, which includes questions 1 through 6.

Each applicant will then complete **one and only one sub-Attachment** (E-4 A, B, C, D or E, questions 7-10) according to the applicant's project type in reference to Attachment C. The applicant should determine their project type (if the project incorporates more than one project type) by determining which project type is dominant in terms of project cost.

**<u>All other sub-attachments that are not applicable to an applicant's project should not be included in the submitted application</u>.**

**APPLICATION TITLE:** **<u>Miami River Greenway</u>**

**APPLICANT:** **<u>Miami-Dade County</u>**

| CATEGORY & RATING POINTS AVAILABLE | RATING POINTS | EVALUATION CRITERIA |
|---|---|---|

**1) PRIORITY LIST:**

**a) List the priority list category of this project from <u>Attachment C</u> in the application.** (The application may only be of one type based upon the <u>predominant</u> cost of the project elements.)

Project Category 12-Public waterfront parks and boardwalks and associated improvements.

**b) Explain how the project fits this priority category.**

The Miami River Greenway is a public waterfront pedestrian and bicycle shared use riverwalk and associated improvements.

*(For reviewer only)*
*Max. Available Score* _____
*Range of Score (0 to ___ points)*

## 2) WATERWAY RELATIONSHIP:

**a) Explain how the project directly relates to the ICW and the mission of the Navigation District.**

The Miami River Greenway is located on a Federal Navigable Channel, which directly connects to the ICW.

**b) How does the project benefit public navigation or access to the ICW or adjoining waterways?**

The Miami River Greenway will directly benefit public access to the ICW's adjoining waterways.

*(For reviewer only)*
*(0-6 points)*

## 3) PUBLIC USAGE & BENEFITS:

**How is the public usage of this project clearly identified and quantified?**

The Miami River Greenway is for public use such as walking, jogging, biking, fishing, boating, etc.

**a) Discuss the regional and local public benefits and access that will be provided by the project.**

The Miami River Greenway will provide needed public access to the Miami River, which flows into Biscayne Bay and the ICW.

**b) Estimate the amount of total public use.**

Estimated 365 days per year.

**c) Can residents from other counties of the District reasonably use the project? Explain.**

Yes, residents from other counties may boat or drive to the Miami River and enjoy the Miami River Greenway for exercise, sightseeing, historic markers, riverfront restaurants, public riverfront parks, etc.

*(For reviewer only)*
*(0-8 points)*

## 4) TIMELINESS

a) **Describe current status of the project and present a reasonable and effective timeline for the completion of the project consistent with Attachment E-8.**
Construction engineering documents are completed. Environmental Resource Permits from DEP and County (RER) are pending and ACOE permit has been issued. If funded, the construction of the Miami River Greenway is anticipated to be completed by end of October 2014 if funds obtained by October 2013. Currently four (4) sites of the project are under construction.

b) **Briefly explain any unique aspects of this project that could influence the project timeline.**
N/A

*(For reviewer only)*
*(0-3 points)*

## 5) COSTS & EFFICIENCY:

a) **List any additional funding sources and the status and amount of the corresponding funding that will be utilized to complete this project.**
$524,025 Miami-Dade Building Better Communities General Obligation Bond Program (BBC-GOB).

b) **Identify and describe any project costs that may be increased because of the materials utilized or specific site conditions.**
N/A

c) **Describe any methods to be utilized to increase the cost efficiency of this project.**
Competitive bidding process.

d) **If there are any fees associated with the use of this facility, please detail. In addition, please provide a listing of the fees charged by similar facilities, public and private, in the project area.**
N/A

*(For reviewer only)*
*(0-6 points)*

6) **PROJECT VIABILITY:**

a) **Does the project fill a specific need in the community or is it consistent with an existing maritime management plan?**
Yes, the Miami River Greenway provides public access to the Miami River, and safe infrastructure to walk and bike. The project is consistent with the Miami River Greenway Action Plan, adopted by the City of Miami and Miami-Dade County in 2001.

b) **Clearly demonstrate how the project will continue to be maintained after District funding is completed.**
Miami-Dade County would maintain the Miami River Greenway as needed.

c) **Will the program result in significant and lasting benefits? Please describe any environmental benefits associated with this project.**
Yes, the Miami River Greenway would result in providing the significantly needed and long lasting access to the Miami River, its numerous riverfront public parks, etc. The Miami River Greenway provides safe, scenic, landscaped infrastructure for alternate forms of transportation such as bicycles and pedestrians. The proposed improvements will be utilized year-round and the project will provide an overall benefit to the public, enhance public safety, and educational activities for the community.

*(For reviewer only)*
*(0-7 points)*

SUB-TOTAL _____

FIND FORM NO. 91-25
(Effective Date: 3-21-01, Revised 4-24-06)

# ATTACHMENT E-4A

## WATERWAYS ASSISTANCE PROGRAM

## APPLICATION EVALUATION AND RATING WORKSHEET

## DEVELOPMENT & CONSTRUCTION PROJECTS

THIS ATTACHMENT IS TO BE COMPLETED IF YOUR PROJECT IS A DEVELOPMENT OR CONSTRUCTION PROJECT BUT **IS NOT** AN INLET MANAGEMENT OR BEACH RENOURISHMENT PROJECT.

| CATEGORY & RATING POINTS AVAILABLE | RATING POINTS | EVALUATION CRITERIA |
|---|---|---|

**7) PERMITTING:**

a) **Have all required environmental permits been applied for? If permits are NOT required, explain why not.**
Yes, all permits have been applied for several months ago, and construction engineering documents are complete.

b) **If the project is a Phase I project, list the tasks scheduled to obtain the necessary permits and engineering work. Please provide a general cost estimate for the future Phase II work.**
N/A

c) **Detail any significant impediments that may have been identified that would potentially delay the timely issuance of the required permits.**
Granting submerged land easements from the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida and then modifying the existing DEP permit.

*(For reviewer only)*
*(0-4 points)*

## 8) PROJECT DESIGN:

a) **Has the design work been completed? If this is a Phase I project, has a preliminary design been developed?**
Yes, construction engineering documents are complete.

b) **Are there unique beneficial aspects to the proposed design that enhance public usage or access, decrease environmental impacts, improve water quality or reduce costs?**
Yes, the design is based on providing public access along the Miami River.

*(For reviewer only)*
*(0-2 points)*

## 9) CONSTRUCTION TECHNIQUES:

a) **Briefly explain the construction techniques to be utilized for this project.**
Constructing a 25 ft wide public riverwalk along the Miami River, featuring a minimum 16 ft wide unobstructed pathway, 3 ft of buffer zone with bollard lighting along the waterfront and 6 ft of landscaping, benches, decorative lighting, wayfinding signage, bike racks, pet stations, etc.

b) **How are the construction techniques utilized appropriate for the project site?**
The Construction techniques will be consistent with all requirements set forth in permits from ACOE, DEP and COUNTY RER.

c) **Identify any unusual construction techniques that may increase or decrease the costs of the project.**
N/A

*(For reviewer only)*
*(0-3 points)*

## 10) CONSTRUCTION MATERIALS:

a) **List the materials to be utilized for this project. What is the design life of the proposed materials?**
Constructing a 25 ft wide public riverwalk along the Miami River, featuring a minimum 16ft wide unobstructed colored concrete pathway, and 3 ft of buffer zone constructed with exposed concrete aggregate and 6 ft of landscaping, benches, decorative lighting, wayfinding signage, bike racks, pet stations, etc. Estimated life of the proposed materials is 25 years.

b) **Describe any recyclable material to be utilized. How does the recyclable material (if any) compare to other available material?**
Wooden benches.

c) **Identify any unique construction materials that may significantly alter the project costs.**
N/A

*(For reviewer only)*
*(0-3 points)*

---

**RATING POINT TOTAL** _____

(Note: The total maximum score possible is dependent upon the project priority category but cannot exceed 50 points unless the project qualifies as an emergency-related project. The minimum score possible is 16 points. A score of 35 points or more is required to be considered for funding.)

Form No. 91-25A
(Effective Date: 3-21-01, revised 4-24-06)

ATTACHMENT E-5

FLORIDA INLAND NAVIGATION DISTRICT
ASSISTANCE PROGRAM 2013

PROJECT COST ESTIMATE
(See Rule Section 66B-2.005 & 2.008 for eligibility and funding ratios)

**PROJECT TITLE:** Miami River Greenway

**APPLICANT:** Miami-Dade County

| Project Elements (*Please list the MAJOR project elements and provide a general cost break out for each one. For Phase I Projects, please list the major elements and products expected*) | Quantity or Total Estimated Cost (Number and/or Footage etc.) | Applicant's Cost | FIND Cost |
|---|---|---|---|
| Concrete Pavement for walkway..... | $71,609 | $0 | $71,609 |
| Seawall construction..... | $625,588 | $312,794 | $312,794 |
| Earthwork, Clearing and Grubbing..... | $162,021 | $46,424 | $115,597 |
| Lighting..... | $90,746 | $90,746 | $0 |
| Hardscape Elements and Signage..... | $26,800 | $26,800 | $0 |
| MOT, General Const. Operations, | | | $0 |
| Control of Errosion and Pollution..... | $47,261 | $47,261 | $0 |
| Estimated Construction Cost | **$1,024,025** | **$524,025** | **$500,000** |
| ** TOTALS = | **$1,024,025** | **$524,025** | **$500,000** |

Form No. 90-25 (New 10/14/92, Revised 04-24-06)

**ATTACHEMENT E-6 – RESOLUTION FOR ASSISTANCE 2013 UNDER THE FLORIDA INLAND NAVIGATION DISTRICT, WATERWAY ASSISTANCE PROGRAM**

The attached Resolution is pending execution by the Miami-Dade County Board of County Commissioners

Approved _____ Mayor Agenda Item No.
Veto _____
Override _____

RESOLUTION NO. _____

RESOLUTION RATIFYING THE SUBMISSION OF A GRANT APPLICATION TO THE FLORIDA INLAND NAVIGATION DISTRICT, WATERWAYS ASSISTANCE PROGRAM FOR UP TO $500,000.00 IN GRANT FUNDS PROVIDING MATCHING FUNDING FROM THE BUILDING BETTER COMMUNITIES GENERAL OBLIGATION BOND PROGRAM TO CONSTRUCT TWO (2) SECTIONS OF THE MIAMI RIVER GREENWAY AND FURTHER AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO RECEIVE AND EXPEND FUNDS, AND TO EXERCISE ALL PROVISIONS CONTAINED THEREIN

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

**WHEREAS**, Miami-Dade County is interested in carrying out the following described project for the enjoyment of the citizenry of Miami-Dade County and the State of Florida:

Project Title: Miami River Greenway

Total Estimated Cost: $1,024,025.00 (Waterways Assistance Program eligible costs)

Brief Description of Project: Construction of two (2) sections of the Miami River Greenway, on separate County-owned parcels, which will provide continuity to the Miami River Greenway Network. The project includes the construction of a 25 ft wide pedestrian/bicycle shared use riverwalk including lighting,

landscaping, and hardscape elements such as benches and trash receptacles, seawall construction, drainage, landscape architecture details, and all of the necessary incidental items for a complete project; and

**WHEREAS,** Florida Inland Navigation District financial assistance is required for the program mentioned above,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA,** that this Board ratifies the submission of a Grant Application to the Florida Inland Navigation District Waterways Assistance Program to apply for up to $500,000.00 in grant funds from the Florida Inland Navigation District for the construction of sections of the Miami River Greenway and that the project described above be authorized;

AND, be it further resolved that said Miami-Dade County makes application to the Florida Inland Navigation District in the amount of 48.8% of the actual cost of the project on behalf of said Miami-Dade County;

AND, be it further resolved by Miami-Dade County that it certifies to the following:

1. That it will accept the terms and conditions set forth in Florida Inland Navigation District Rule 66B-2 F.A.C. and which will be a part of the Project Agreement for any assistance awarded under the attached proposal.

2. That it is in complete accord with the attached proposal and that it will carry out the Program in the manner described in the proposal and any plans and specifications attached thereto unless prior approval for any change has been received from the District.

3. That it has the ability and intention to finance its share of the cost of the project and that the project will be operated and maintained at the expense of said Miami-Dade County for public use.

4. That it will not discriminate against any person on the basis of race, color or national origin in the use of any property or facility acquired or developed pursuant to this proposal, and shall comply with the terms and intent of the Title VI of the Civil Rights Act of 1964, P. L. 88-352 (1964) and design and construct all facilities to comply fully with statutes relating to accessibility by handicapped persons as well as other federal, state and local laws, rules and requirements.

5. That it will maintain adequate financial records on the proposed project to substantiate claims for reimbursement.

6. That it will make available to the Florida Inland Navigation District if requested, a post-audit of expenses incurred on the project prior to, or in conjunction with, request for the final 10% of the funding agreed to by the Florida Inland Navigation District.

AND, be it resolved that the Board authorizes the County Mayor or County Mayor's designee to execute such contracts and agreements as are required by this governmental body following approval by the County Attorney's Office; to receive and expend all monies for the purposes described in the funding request; and to file and execute any necessary amendments to the agreement for and on behalf of Miami-Dade County, Florida.

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:

Rebeca Sosa, Chairwoman
Lynda Bell, Vice Chair

| | |
|---|---|
| Bruno A. Barreiro | Esteban L. Bovo, Jr. |
| Jose "Pepe" Diaz | Audrey M. Edmonson |
| Sally A. Heyman | Barbara J. Jordan |
| Jean Monestime | Dennis C. Moss |
| Sen. Javier D. Souto | Xavier L. Suarez |
| Juan C. Zapata | |

The Chairperson thereupon declared the resolution duly passed and adopted this , 2013. 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. _____

DRAFT

**ATTACHEMENT E-7 – ATTORNEYS CERTIFICATION OF TITLE FOR ASSISTANCE 2013 UNDER THE FLORIDA INLAND NAVIGATION DISTRICT, WATERWAY ASSISTANCE PROGRAM**

The Attorney's certification of title is pending execution by the Miami-Dade County Attorney

ATTACHMENT E-7

**ATTORNEYS CERTIFICATION OF TITLE**
**(See Rule 66B-2.006(4) & 2.008(2) FAC)**

**MIAMI-DADE COUNTY ATTORNEY'S OFFICE**
**Stephen P. Clark Center**
**111 N. W. 1st Street, Suite 2810**
**Miami, Florida, 33128**

March 11, 2013

TO WHOM IT MAY CONCERN:

I, Jason Blosh, am an **Assistant Miami-Dade County Attorney**. I hereby state that I have examined a copy of the Special Warranty Deed dated December 18, 1979, to MIAMI-DADE COUNTY, recorded December 20, 1979, in Official Records Book 10606 at Page 1431 of the Public Records of Miami-Dade County, Florida, and described in Items 1, 2, 3, and 4 of the Surveyor's Affidavit attached as Exhibit A to this Attorneys Certification of Title. Said parcel of property, referred to as Parcel 7S00032, and legally described in the Surveyor's Affidavit attached hereto as Exhibit A has been conveyed to **Miami-Dade County, a political subdivision of the State of Florida,** in fee simple title.

I certify that **Miami-Dade County** does in fact have fee simple ownership as to this property as the same is legally described on the Surveyor's Affidavit attached as Exhibit A to this Attorney's Certification of Title.

Very truly yours,

**Jason Blosh**
**Assistant Miami-Dade County Attorney**
**Florida Bar No. 33588**
FIND Form No. 94-26 (effective date 5-25-00)

# Surveyor's Affidavit

**STATE OF FLORIDA )**

**) SS**

**COUNTY OF MIAMI-DADE )**

Before me the undersigned authority, personally appeared CARLOS D. SOCARRAS, who being first duly sworn on oath, deposes and says as follows:

1. The Affiant, Carlos D. Socarras, is a registered Professional Surveyor and Mapper, Florida Registration No. LS 4953, for Miami-Dade County, Florida, a political subdivision of the State of Florida, whose address is Stephen P. Clark Center, 111 N.W. 1st Street, 16th Floor, Miami, FL 33128, Phone Number (305) 375-2714.

2. Affiant, after physically inspecting the land, hereby certifies that:
   lands described as Parcel 7S00032 are wholly contained within the lands conveyed to Miami-Dade County by Special Warranty Deed dated December 18, 1979 recorded in Official Records Book 10606 at Page 1431 of the Public Records of Miami-Dade County, Florida.

3. Affiant, after reviewing the title search of the said land, hereby certifies that: MIAMI-DADE COUNTY is the sole owner in fee simple of the Parcel described below.

Parcel 7s00032
Legal Description (fee simple):

A portion of Section 37, Township 54 South, Range 41 East, being more particularly described as follows:

Commence at the intersection of the monument line of S.W. 3rd Street and the monument line of S.W. 1st Court as shown in MIAMI STEAM ELECTRIC STATION PROPERTY, according to the Plat thereof, as recorded in Plat Book 50 at Page 25 of the Public Records of Miami-Dade County, Florida; thence run N 87°39'14" E, along said monument line of S.W. 3rd Street, for 114.04 feet to a point of intersection with the Westerly right-of-way line of the Florida East Coast Railway Company; thence run S 02°15'01" E, along said Westerly right-of-way line, for 30.00 feet to a point on the East line of said MIAMI STEAM ELECTRIC STATION PROPERTY, said point being the POINT OF BEGINNING of the herein described parcel of land; thence run S 02°15'38" E, along said East line, for 143.78 feet; thence run N 87°44'22" E for 15.50 feet; thence run S 02°15'38" E for 709.45 feet; thence run S 87°44'22" W for 20.50 feet; thence run S 02°15'38" E for 48.47 feet to a point on the mean high water line of the Miami River; thence meander along the mean high water line through the following ten (10) courses; (1) thence N 65°06' 45" E for 2.64 feet; (2) thence N 58° 50' 24" E for 11.41 feet; (3) thence N 62° 14' 36" E for 11.07 feet; (4) thence S 79°40' 07" E for 10.25 feet; (5) thence N 81° 05' 27" E for 10.07 feet; (6) thence N 02° 20' 57" W for 3.45 feet; (7) thence N 87°39' 03" E for 10.00 feet; (8) thence N 89° 49' 38" E for 10.01 feet; (9) thence N 87° 28' 45" E for 10.00 feet; (10) thence N 64° 37' 32" E for 8.24 feet; thence run N 02°15'38" W for 31.86 feet; thence run S 87°44'22" W for 20.50 feet; thence run N 02°15'38" W, for 853.31 feet; thence run S 87°39'14" W, along a line 30.00 South of and parallel with said monument line of S.W. 3rd Street, for 54.50 feet to the POINT OF BEGINNING.

Containing 38,539 square-feet or 0.885 acres more or less.

FURTHER AFFIANT SAYETH NAUGHT.

Carlos D. Socarras, PLS, Affiant,
Professional Land Surveyor LS 4953
State of Florida

[SURVEYORS SEAL]

Sworn to and subscribed before me this 25th day of February, A. D. 2013, by Carlos D. Socarras, PLS. He personally appeared before me, is personally known to me.

[NOTARY SEAL]

Notary: _____
Jose Vidal
Notary Public, State of Florida
My Commission Expires: April 12, 2016
Commission No. EE 189036

Notary Public State of Florida
Jose Vidal
My Commission EE 189036
Expires 04/12/2016

## ATTACHMENT E-7

## ATTORNEYS CERTIFICATION OF TITLE
**(See Rule 66B-2.006(4) & 2.008(2) FAC)**

**MIAMI-DADE COUNTY ATTORNEY'S OFFICE**
**Stephen P. Clark Center**
**111 N. W. 1st Street, Suite 2810**
**Miami, Florida, 33128**

March 11, 2013

TO WHOM IT MAY CONCERN:

I, Jason Bloch, am an **Assistant Miami-Dade County Attorney**. I hereby state that I have examined a copy of the Special Warranty Deed dated December 18, 1979, to MIAMI-DADE COUNTY, recorded December 20, 1979, in Official Records Book 10606 at Page 1431 of the Public Records of Miami-Dade County, Florida, and described in Items 1, 2, 3, and 4 of the Surveyor's Affidavit attached as Exhibit A to this Attorneys Certification of Title. Said parcel of property, referred to as Parcel 7S00032, and legally described in the Surveyor's Affidavit attached hereto as Exhibit A has been conveyed to **Miami-Dade County, a political subdivision of the State of Florida,** in fee simple title.

I certify that **Miami-Dade County** does in fact have fee simple ownership as to this property as the same is legally described on the Surveyor's Affidavit attached as Exhibit A to this Attorney's Certification of Title.

Very truly yours,

**Jason Bloch**
**Assistant Miami-Dade County Attorney**
**Florida Bar No. 33588**
FIND Form No. 94-26 (effective date 5-25-00)

# Surveyor's Affidavit

**STATE OF FLORIDA )**

**) SS**

**COUNTY OF MIAMI-DADE )**

Before me the undersigned authority, personally appeared CARLOS D. SOCARRAS, who being first duly sworn on oath, deposes and says as follows:

1. The Affiant, Carlos D. Socarras, is a registered Professional Surveyor and Mapper, Florida Registration No. LS 4953, for Miami-Dade County, Florida, a political subdivision of the State of Florida, whose address is Stephen P. Clark Center, 111 N.W. 1st Street, 16th Floor, Miami, FL 33128, Phone Number (305) 375-2714.

2. Affiant, after physically inspecting the land, hereby certifies that: lands described as Parcel 7S00031 are wholly contained within the lands condemned in Final Judgment Case No 79-6872. Miami-Dade County vs. Florida East Coast Railway, filed June 1, 1979 recorded in Official Records Book 10411 at Page 380 of the Public Records of Miami-Dade County, Florida.

3. Affiant, after reviewing the title search of the said land and physically inspecting the said land, hereby certifies that:
   Miami-Dade County conveyed a portion of the aforesaid Parcel 7S00031 to Benzol Properties Corporation by County Deed dated June 20, 2000 recorded in Official Records Book 19165 at Page 3454 of the Public Records of Miami-Dade County, Florida.

4. Affiant, after reviewing the title search of the said land, hereby certifies that: MIAMI-DADE COUNTY is the sole owner in fee simple of the Parcel described below.

Parcel 7S000.31
Legal Description (fee simple):

A strip of land 100 feet wide lying in Section 38, Township 54 South, Range 41 East, Miami-Dade County, Florida, being more particularly described as follows:
COMMENCE at the Southeast corner of Block 39 South of A.L. KNOWLTON'S PLAT OF MIAMI as recorded in Plat Book B, Page 41 of the Public Records of Miami-Dade County, Florida; thence N 87° 38' 50"E along the Easterly prolongation of the South line of said Block 39 South for 50.00 feet to an intersection with the Westerly right of way line of the Florida East Coast Railway and the POINT OF BEGINNING of the herein described parcel of land; thence run N02°15'38"W along said Westerly right of way line, for 383.88 feet to a point on the mean high water line of the Miami River; thence meander along the mean high water line through the following (11) eleven courses: (1) thence run S74°44'04"E, for 4.11 feet; (2) thence run N78°16'54"E, for 10.14 feet; (3) thence run N85°55'57"E, for 10.00 feet; (4) thence run S81°35'28"E, for 10.18 feet; (5) thence run N67°20'47"E, for 10.66 feet; (6) thence run N88°47'48"E, for 10.00 feet; (7) thence run N87°04'41"E, for 10.00 feet; (8) thence run S70°47'42"E, for 10.75 feet; (9) thence run N70°41'21"E, for 10.46 feet; (10) thence run N49°20'32"E, for 12.74 feet; (11) thence run N66°20'43"E, for 6.55 feet to an intersection with the Easterly right of way line of said railroad; thence run S02°15'38"E, for 395.66 feet; thence run S87° 38' 50"W for 100.00 feet to the POINT OF BEGINNING.

**LESS**

That portion of the aforesaid Parcel 7S00031 conveyed to Benzol Properties Corporation by County Deed dated June 20, 2000 recorded in Official Records Book 19165 at Page 3454 of the Public Records of Miami-Dade County, Florida, being more particularly described as follows:
COMMENCE at the Southeast corner of Block 39 South of A.L. KNOWLTON'S PLAT OF MIAMI as recorded in Plat Book B, Page 41 of the Public Records of Dade County, Florida; thence N 87° 38' 50" E along the easterly prolongation of the South line of said Block 39 South, for 107.91 feet to the POINT OF BEGINNING of the herein described parcel of land; thence N 0°33' 49" W for 108.39 feet; thence N 85°21' 38" E for 5.22 feet; thence N 0° 46' 32" E for 276.35 feet to the mean high water line of the Miami River; thence meander along said mean high water line for the following three (3) courses: (1) thence N 70°41' 21" E for 3.07 feet; (2) thence N 49° 20' 32" E for 12.74 feet; (3) thence N 66° 20' 43" E for 6.55 feet to an intersection with the easterly right-of-way line of said Metropolitan Dade County Stage I Rapid System; thence S 2° 15' 38" E along said right-of-way line for 395.66 feet; thence S 87° 38' 50" W for 42.09 feet to the POINT OF BEGINNING.

Containing 26,790 square-feet, or 0.615 acres more or less.

FURTHER AFFIANT SAYETH NAUGHT.

Carlos D. Socarras, PLS, Affiant,
Professional Land Surveyor LS 4953
State of Florida

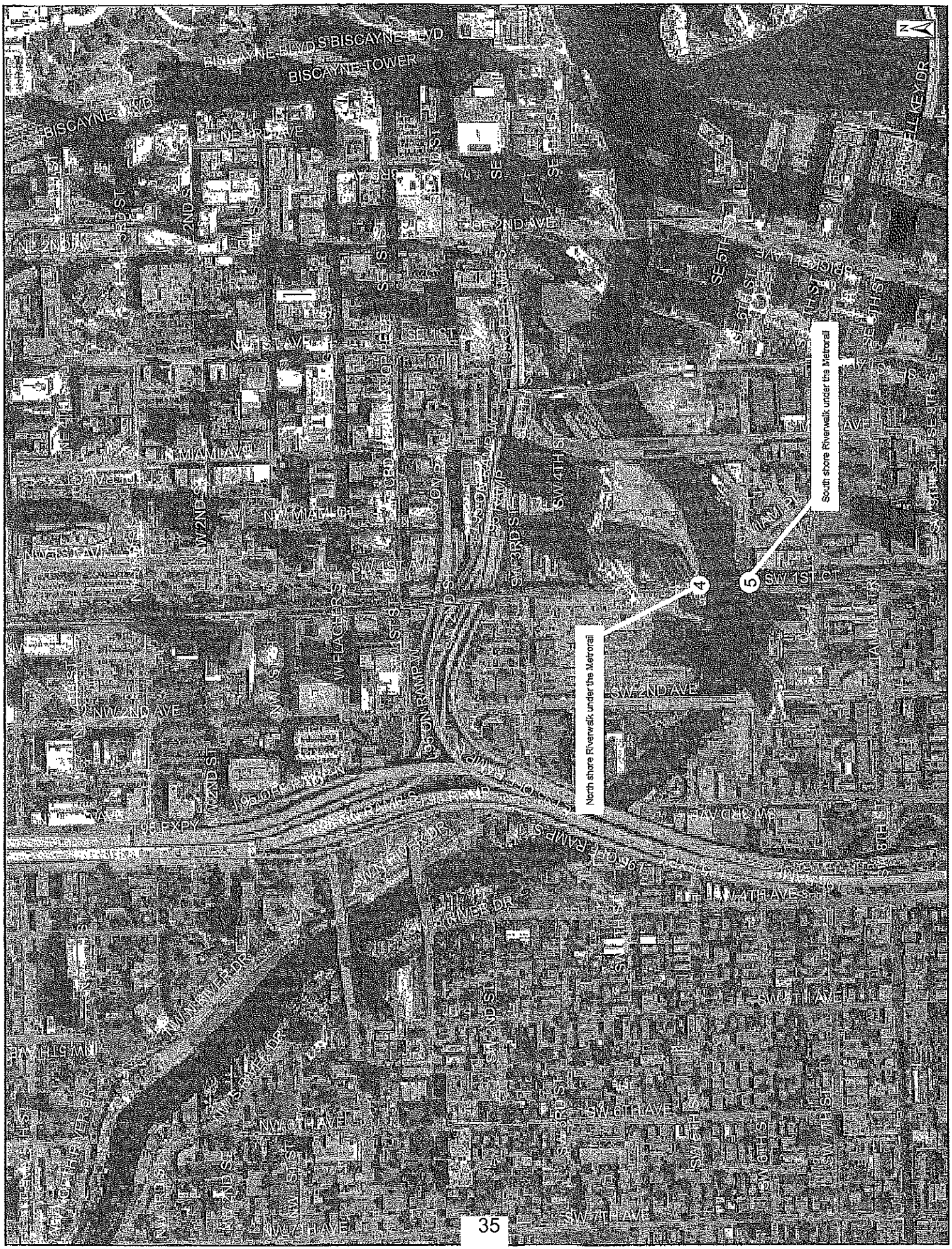
[SURVEYORS SEAL]

Sworn to and subscribed before me this 25th day of February, A. D. 2013, by Carlos D. Socarras, PLS. He personally appeared before me, is personally known to me.

[NOTARY SEAL]

Notary: _____
Jose Vidal
Notary Public, State of Florida
My Commission Expires: April 12, 2016
Commission No. EE 189036

Notary Public State of Florida
Jose Vidal
My Commission EE 189036
Expires 04/12/2016


South shore Riverwalk under the Metrorail
North shore Riverwalk under the Metrorail
4
5
BISCAYNE BLVD
BISCAYNE TOWER
SE 2ND AVE
SW 1ST CT
SW 2ND AVE
SW 3RD AVE
SW 4TH AVE
SW 6TH AVE
SW 7TH AVE
NW 2ND AVE
NW 6TH AVE
NW 7TH AVE
N MIAMI AVE
NE 2ND AVE
BRICKELL KEY DR

PLANS FOR PROPOSED

IMPROVEMENTS TO

# MIAMI RIVER GREENWAYS

## S.W. 1st AVENUE METRO RAIL (NORTH AND SOUTH)

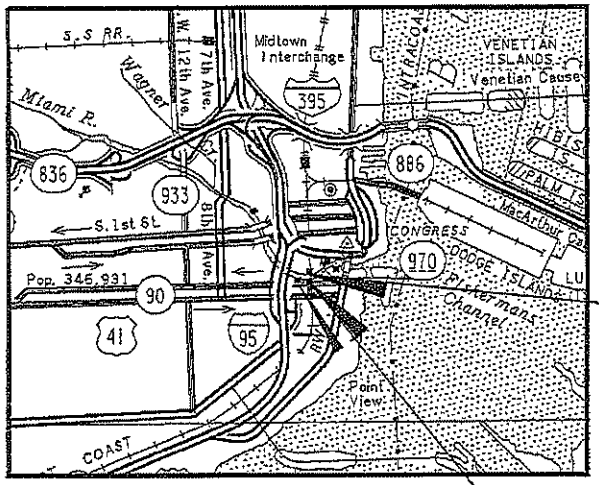
MIAMI-DADE COUNTY PROJECT NO. 20070718

### INDEX OF SHEETS


| SHT. No. | SHEET DESCRIPTION |
|---|---|
| 01 | COVER SHEET |
| 02 | KEY MAP SHEET |
| 03 | GENERAL NOTES |
| 04 | SUMMARY OF QUANTITIES |
| 05-10 | SITE DEMOLITION AND TREE ACTION PLANS |
| 11-16 | SITE GEOMETRY PLANS |
| 17-22 | PAVING, GRADING AND DRAINAGE PLANS |
| 23-29 | SECTION SHEETS |
| 30-A -30-D | EROSION CONTROL NOTES AND DETAILS |
| 31-36 | HARDSCAPE PLANS |
| 37-39 | HARDSCAPE DETAILS |
| 40-45 | SIGNAGE DETAILS |
| 46 | LIGHTING GENERAL NOTES |
| 47 | LIGHTING DATA SHEET |
| 48-53 | LIGHTING PLANS |
| 54-59 | LOAD CENTER DETAILS |
| 60-63 | LIGHTING DETAILS |
| 64-69 | LANDSCAPE PLANS |
| 70 | LANDSCAPE DETAILS |
| 71 | LANDSCAPE NOTES |
| 72-76 | IRRIGATION PLANS |
| 77 | IRRIGATION DETAILS |
| 78 | IRRIGATION NOTES & DETAILS |
| 79-84 | STRUCTURAL PLANS |


### STANDARD INDEX DRAWINGS

| DET. No. | DETAIL DESCRIPTION |
|---|---|
| DMD-01-1 | MISC. DRAINAGE DETAILS (2 OF 3) |
| DSB-01 | INLET, MANHOLE, JUNCTION BOX TYPES J & P |
| SMI-01(2) | SUPPLEMENTARY DETAILS FOR MANHOLES AND INLETS (2 SHEETS) |
| 3-E-18 | DETAIL OF EXFILTR. DRAIN WITH PERFORATED PIPE |
| GRC-01-1 | MISC. ROADWAY CONSTRUCTION DETAILS (1 OF 2) |
| INDEX 103 | TURBIDITY BARRIERS (FDOT) |
| INDEX 104 | PERMANENT EROSION CONTROL (FDOT) |
| INDEX 520 | GRAVITY WALL (FDOT) |
| INDEX 802 | FENCE - TYPE B (FDOT) |




SITE 4:
S.W. 1ST AVENUE METRO RAIL (NORTH)
(S01, T54, R41)

SITE 5:
S.W. 1ST COURT METRO RAIL (SOUTH)
(S01, T54, R41)

NOTE:

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

0 0.5 1 MILES

PREPARED FOR

MIAMI-DADE

MIAMI-DADE COUNTY
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
HIGHWAY DIVISION

STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

BY

Kimley-Horn and Associates, Inc.
Certificate of Authorization No. 696

KIMLEY-HORN AND ASSOCIATES, INC.
1221 BRICKELL AVENUE, STE. 400
MIAMI, FL 33131
(305) 673 - 2025

ENGINEER OF RECORD:

JUAN E. JIMENEZ, P.E.
FLORIDA REGISTRATION P.E. No- 56704

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND 3, THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS 2010, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS 2010, AS AMENDED BY CONTRACT DOCUMENTS. ALL STANDARDS AND SPECIFICATIONS REFERENCED HEREIN ARE TO BE THE CURRENT VERSIONS AS OF THE DATE OF THESE PLANS.

CALL 3 BUSINESS DAYS BEFORE YOU DIG
IT'S THE LAW!
DIAL 811
811 Know what's below. Call before you dig.

| APPROVED | COUNTY ENGINEER |
|---|---|
| RECOMMENDED | ASSISTANT DIRECTOR |
| SUBMITTED | HIGHWAY DIVISION |

| | |
|---|---|
| PROPOSED | CHECK |
| DESIGN | DRAWN |
| DATE | SHEET 01 OF 84 |

| | NORTHING | EASTING |
|---|---|---|
| 1 | 522503.1227 | 920754.9439 |
| 2 | 522514.7948 | 920825.9368 |
| 3 | 522526.4668 | 920856.9296 |
| 4 | 522527.1454 | 920880.3405 |
| 5 | 522535.4127 | 920899.1919 |
| 6 | 522543.6801 | 920918.0433 |

MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPT. HIGHWAY DIVISION

MIAMI RIVER GREENWAYS

PROJECT NO. 20070718 SHEET 14 OF 34

NORTH

SCALE 1" = 10'

FPL PROPERTY

EXIST. MIAMI-KEY BISCAYNE 138 KV FP&L CABLE

EXIST. MIAMI-SIMPSON 138 KV FP&L CABLE

PRIVATE PROPERTY

MIAMI-DADE TRANSIT RIGHT-OF-WAY

NOT IN CONTRACT

N 522584.37
E 920870.48

N 522584.25
E 920862.38

SEE DETAIL "A" BELOW FOR PATHWAY DIMENSIONS

RIVERFRONT DEVELOPMENT

EXIST. 30" BURIED ELECTRICAL APPROX. 40' DEEP

N 5389744.99
E 10253648.62

N 5390116.26
E 10254565.47

EXIST. 2-10¾" TRANS. PIPES, 12-5" DUCTS, AND 2-⅝ INSUL. NEUT.

EXIST. METRO RAIL CONCRETE COLUMNS AND BASE TO REMAIN

EXIST. MIAMI-NATOMA-COCONUT GROVE 138 KV FP&L CABLE

R/W

EXIST. 17 FP&L DIST. CABLES

EXIST. CONC. SEAWALL TO REMAIN

EXIST. TOP OF BANK

EXIST. EDGE OF WATER

PROP. SEAWALL WITH CONCRETE CAP AND 8" HEADER. SEE STRUCTURAL PLANS

55.0'
PROP. SHEET PILE WALL

11.2'

23.4'

EXIST. EDGE OF WATER

29.0' SHEET PILE WALL

NOT IN CONTRACT

EXIST. CONC. SEAWALL TO REMAIN

PROP. SEAWALL WITH CONCRETE CAP AND 8" HEADER. SEE STRUCTURAL PLANS

EXIST. MIAMI-MIAMI BEACH 69 KV FP&L CABLE

NO PROP. SHEET PILES IN THIS AREA, ONLY A CONC. BEAM AND WALL SPANNING THE EXIST. PIER CAP

EXIST. 60" BURIED ELECTRICAL APPROX. 50' DEEP

METRO RAIL (OVERHEAD)

M I A M I  R I V E R

LEGEND

- EXIST. R/W AND PROPERTY LINE
- CONST. CONCRETE W/ INTEGRAL BEIGE COLOR
- CONST. TEXTURED CONCRETE (SEE HARDSCAPE PLANS)
- INSTALL LANDSCAPE AREA (SEE LANDSCAPE PLANS)
- 7.53 EXIST. GRADES
- PROP. LIGHTED BOLLARD
- PROP. UPLIGHTING

FOR LIGHTING INFORMATION, SEE LIGHTING PLANS AND LIGHTING DETAILS

- (1) NORTHING AND EASTING LOCATION (SEE TABLE)

N 5389916.14
E 10253721.98

N 5390040.57
E 10253972.32

N 5389934.78
E 10253855.00

N 5389975.64
E 10254050.73

N 5389970.66
E 10254115.29

N 5390167.83
E 10254380.65

DETAIL "A"

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|

REVISIONS

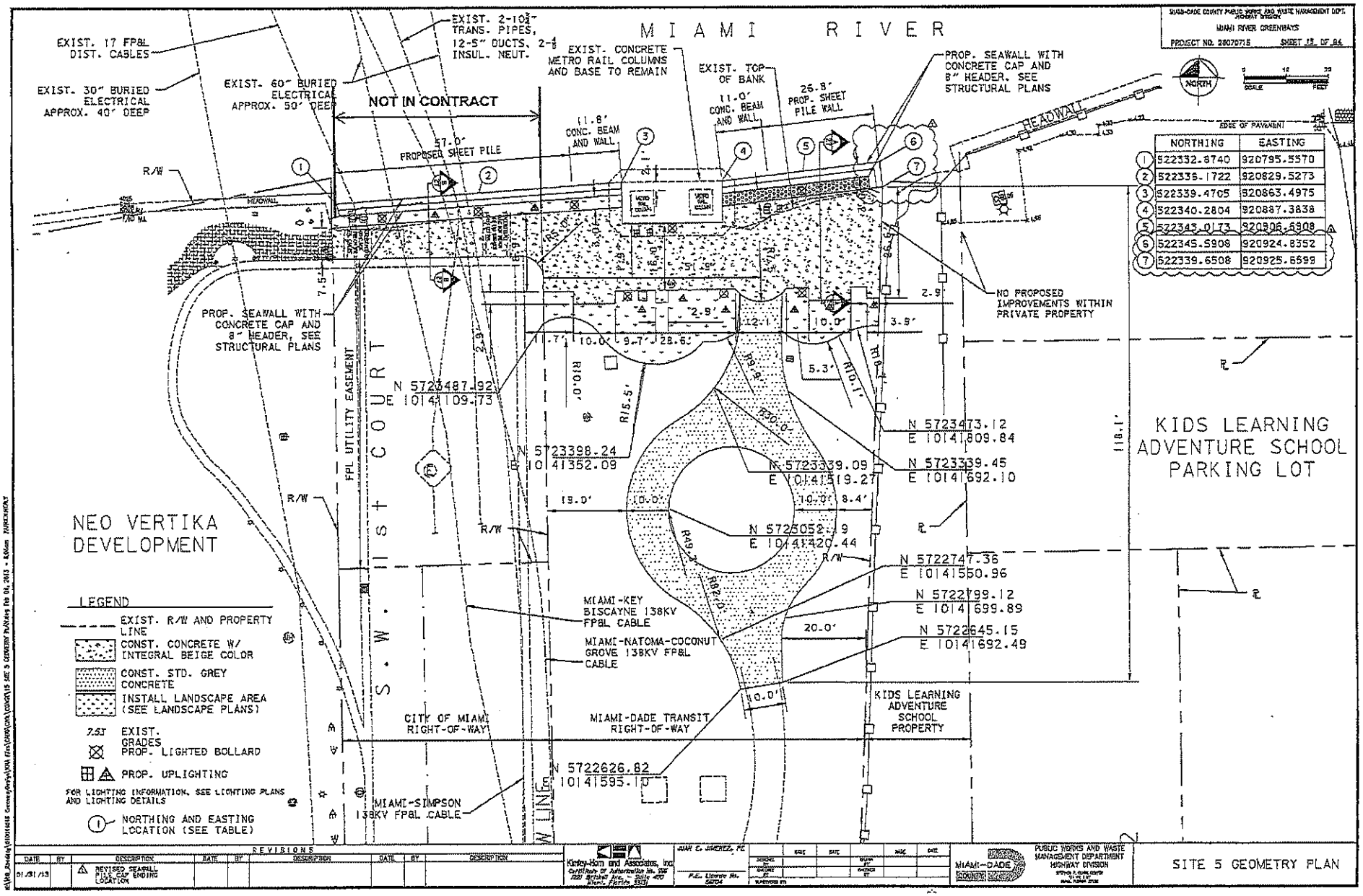
Kimley-Horn and Associates, Inc.
Certificate of Authorization No. 696
220 Bilbao Ave. - Suite 400
Miami, Florida 33101

JUAN E. JIMENEZ, PE
P.E. License No. 55704

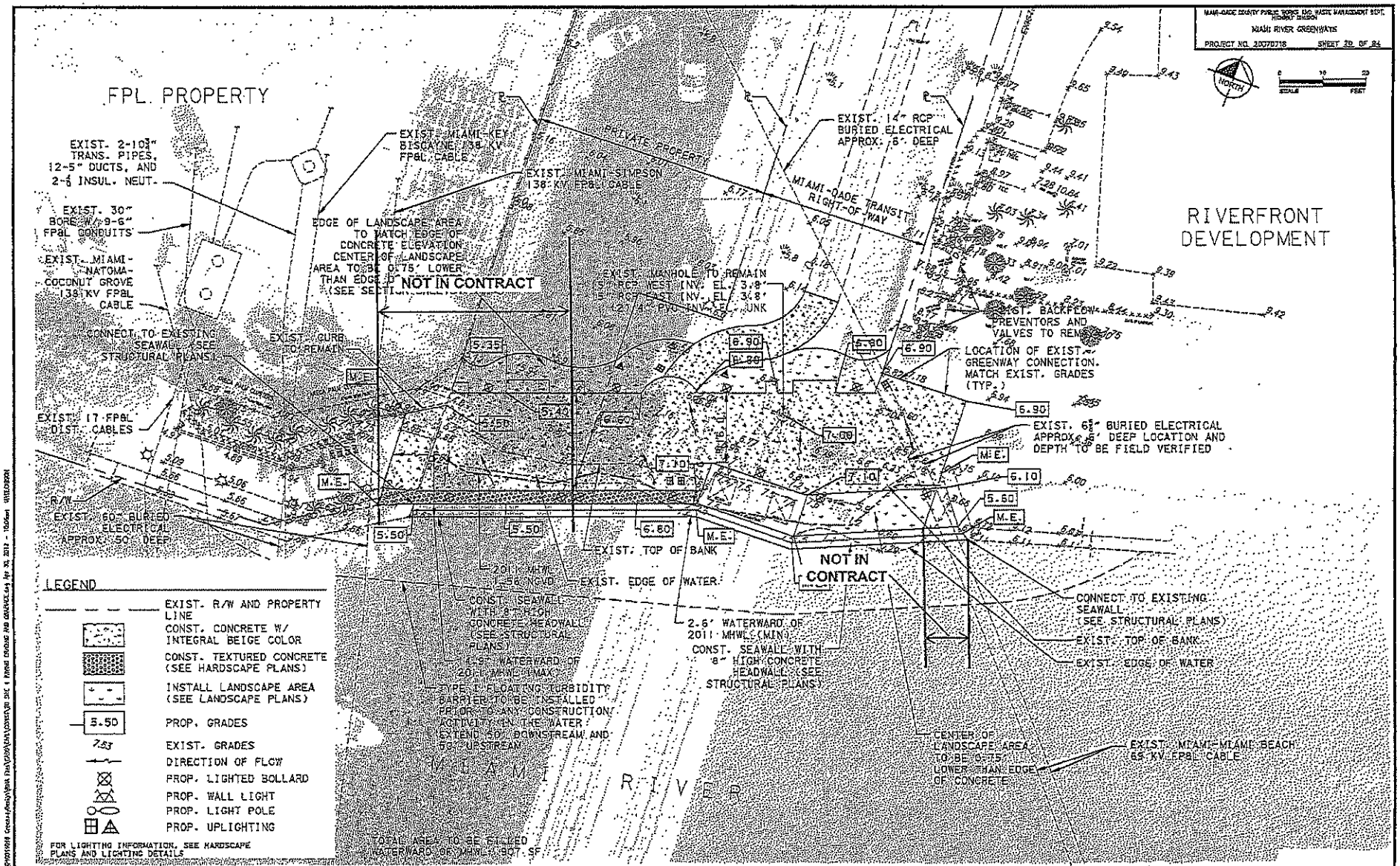
MIAMI-DADE COUNTY

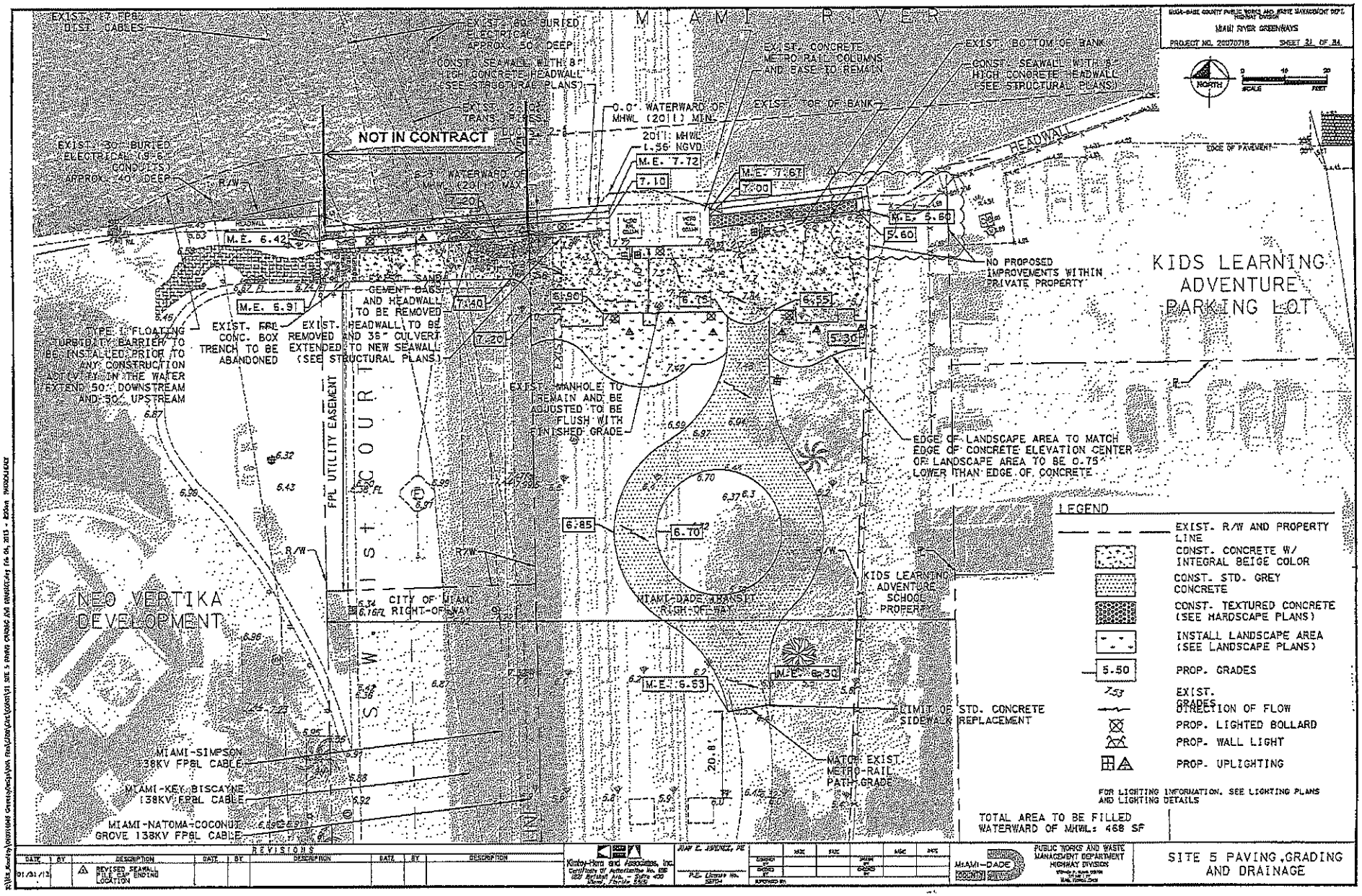
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
HIGHWAY DIVISION

SITE 4 GEOMETRY PLAN

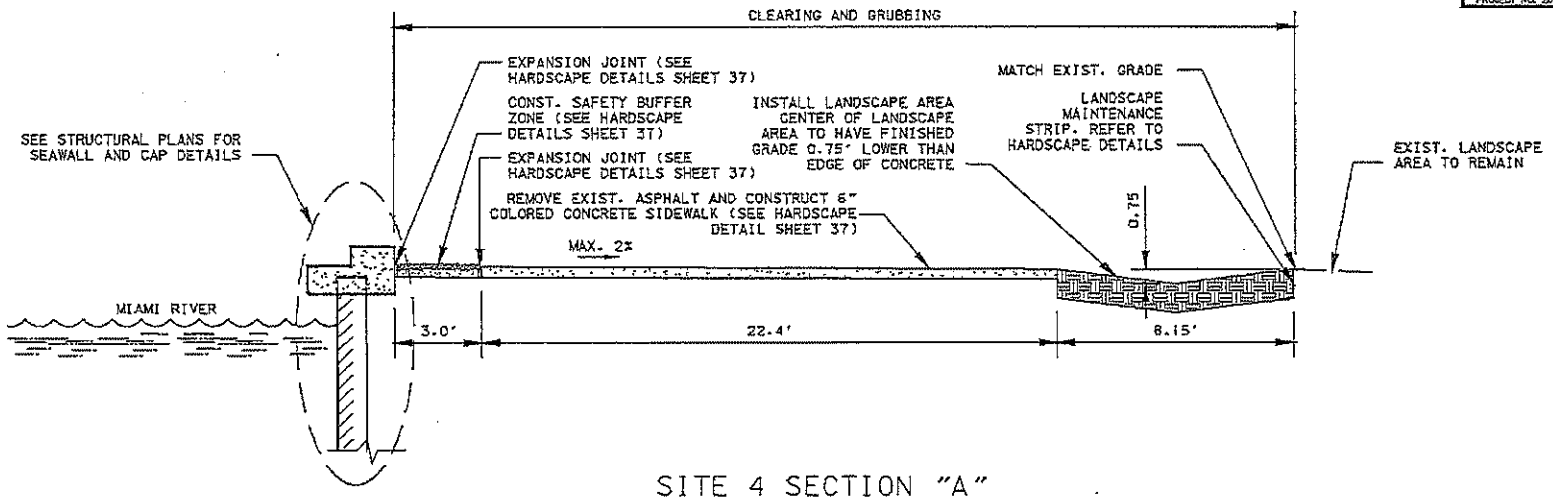



| | NORTHING | EASTING |
|---|---|---|
| 1 | 522332.8740 | 920795.5570 |
| 2 | 522336.1722 | 920829.5273 |
| 3 | 522339.4705 | 920863.4975 |
| 4 | 522340.2804 | 920887.3838 |
| 5 | 522343.0173 | 920906.5908 |
| 6 | 522345.5908 | 920924.8352 |
| 7 | 522339.6508 | 920925.6699 |


MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPT.
HIGHWAY DIVISION
MIAMI RIVER GREENWAYS
PROJECT NO. 20070718
SHEET 20 OF 84
NORTH
SCALE
FEET
FPL PROPERTY
RIVERFRONT DEVELOPMENT
PRIVATE PROPERTY
MIAMI-DADE TRANSIT RIGHT-OF-WAY
EXIST. 2-10¾" TRANS. PIPES, 12-5" DUCTS, AND 2-⅝ INSUL. NEUT.
EXIST. 30" BORE W/ 9-6" FP&L CONDUITS
EXIST. MIAMI-NATOMA-COCONUT GROVE 138 KV FP&L CABLE
EXIST. MIAMI-KEY BISCAYNE 138 KV FP&L CABLE
EXIST. MIAMI-SIMPSON 138 KV FP&L CABLE
EDGE OF LANDSCAPE AREA TO MATCH EDGE OF CONCRETE ELEVATION CENTER OF LANDSCAPE AREA TO BE 0.75' LOWER THAN EDGE OF
NOT IN CONTRACT
EXIST. MANHOLE TO REMAIN
EXIST. 14" RCP BURIED ELECTRICAL APPROX. 6' DEEP
EXIST. BACKFLOW PREVENTORS AND VALVES TO REMAIN
LOCATION OF EXIST. GREENWAY CONNECTION. MATCH EXIST. GRADES (TYP.)
EXIST. 6⅝" BURIED ELECTRICAL APPROX. 6' DEEP LOCATION AND DEPTH TO BE FIELD VERIFIED
CONNECT TO EXISTING SEAWALL (SEE STRUCTURAL PLANS)
EXIST. CURB TO REMAIN
EXIST. 17 FP&L DIST. CABLES
R/W
EXIST. 60" BURIED ELECTRICAL APPROX. 50' DEEP
M.E.
5.35
5.40
5.50
6.60
6.90
7.00
7.10
6.10
5.60
EXIST. TOP OF BANK
EXIST. EDGE OF WATER
2011 MHWL 1.56 NGVD
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
1.9' WATERWARD OF 2011 MHWL (MAX)
TYPE I FLOATING TURBIDITY BARRIER TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE WATER EXTEND 50' DOWNSTREAM AND 50' UPSTREAM
2.6' WATERWARD OF 2011 MHWL (MIN)
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
CONNECT TO EXISTING SEAWALL (SEE STRUCTURAL PLANS)
EXIST. TOP OF BANK
EXIST. EDGE OF WATER
CENTER OF LANDSCAPE AREA TO BE 0.75' LOWER THAN EDGE OF CONCRETE
EXIST. MIAMI-MIAMI BEACH 69 KV FP&L CABLE
MIAMI RIVER
TOTAL AREA TO BE FILLED WATERWARD OF MHWL: 907 SF
LEGEND
EXIST. R/W AND PROPERTY LINE
CONST. CONCRETE W/ INTEGRAL BEIGE COLOR
CONST. TEXTURED CONCRETE (SEE HARDSCAPE PLANS)
INSTALL LANDSCAPE AREA (SEE LANDSCAPE PLANS)
5.50 PROP. GRADES
7.53 EXIST. GRADES
DIRECTION OF FLOW
PROP. LIGHTED BOLLARD
PROP. WALL LIGHT
PROP. LIGHT POLE
PROP. UPLIGHTING
FOR LIGHTING INFORMATION, SEE HARDSCAPE PLANS AND LIGHTING DETAILS
REVISIONS
DATE BY DESCRIPTION
Kimley-Horn and Associates, Inc.
Certificate Of Authorization No. 826
1221 Brickell Ave. - Suite 400
Miami, Florida 33131
JUAN E. JIMENEZ, PE
P.E. License No. 56704
MIAMI-DADE COUNTY
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
HIGHWAY DIVISION
SITE 4 PAVING, GRADING AND DRAINAGE


MIAMI RIVER
MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPT. HIGHWAY DIVISION
MIAMI RIVER GREENWAYS
PROJECT NO. 20070718
SHEET 31 OF 84
NORTH
SCALE
FEET
EXIST. 17 FP&L DIST. CABLES
EXIST. 60" BURIED ELECTRICAL APPROX. 50' DEEP
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
EXIST. 2-10" TRANS. PIPES
NOT IN CONTRACT
EXIST. 30" BURIED ELECTRICAL (9-6" CONDUITS) APPROX. 40' DEEP
0.0' WATERWARD OF MHWL (2011) MIN.
2011 MHWL 1.56 NGVD
6.3' WATERWARD OF MHWL (2011) MAX
EXIST. CONCRETE METRO-RAIL COLUMNS AND BASE TO REMAIN
EXIST. TOP OF BANK
EXIST. BOTTOM OF BANK
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
HEADWALL
EDGE OF PAVEMENT
M.E. 7.72
7.10
M.E. 7.67
7.00
M.E. 5.60
5.60
M.E. 6.42
M.E. 6.91
7.20
7.40
7.20
6.90
6.75
6.55
5.30
6.85
6.70
M.E. 6.53
M.E. 6.30
NO PROPOSED IMPROVEMENTS WITHIN PRIVATE PROPERTY
KIDS LEARNING ADVENTURE PARKING LOT
EXIST. SAND CEMENT BAGS AND HEADWALL TO BE REMOVED
EXIST. HEADWALL TO BE REMOVED AND 36" CULVERT EXTENDED TO NEW SEAWALL (SEE STRUCTURAL PLANS)
EXIST. FPL CONC. BOX TRENCH TO BE ABANDONED
TYPE I FLOATING TURBIDITY BARRIER TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE WATER EXTEND 50' DOWNSTREAM AND 50' UPSTREAM
EXIST. MANHOLE TO REMAIN AND BE ADJUSTED TO BE FLUSH WITH FINISHED GRADE
EDGE OF LANDSCAPE AREA TO MATCH EDGE OF CONCRETE ELEVATION CENTER OF LANDSCAPE AREA TO BE 0.75' LOWER THAN EDGE OF CONCRETE
FPL UTILITY EASEMENT
S.W. 1st COURT
NEO VERTIKA DEVELOPMENT
CITY OF MIAMI RIGHT-OF-WAY
MIAMI-DADE TRANSIT RIGH-OF-WAY
KIDS LEARNING ADVENTURE SCHOOL PROPERTY
LIMIT OF STD. CONCRETE SIDEWALK REPLACEMENT
MATCH EXIST. METRO-RAIL PATH GRADE
MIAMI-SIMPSON 138KV FP&L CABLE
MIAMI-KEY BISCAYNE 138KV FP&L CABLE
MIAMI-NATOMA-COCONUT GROVE 138KV FP&L CABLE
LEGEND
EXIST. R/W AND PROPERTY LINE
CONST. CONCRETE W/ INTEGRAL BEIGE COLOR
CONST. STD. GREY CONCRETE
CONST. TEXTURED CONCRETE (SEE HARDSCAPE PLANS)
INSTALL LANDSCAPE AREA (SEE LANDSCAPE PLANS)
5.50 PROP. GRADES
7.53 EXIST. GRADES
DIRECTION OF FLOW
PROP. LIGHTED BOLLARD
PROP. WALL LIGHT
PROP. UPLIGHTING
FOR LIGHTING INFORMATION, SEE LIGHTING PLANS AND LIGHTING DETAILS
TOTAL AREA TO BE FILLED WATERWARD OF MHWL: 468 SF
REVISIONS
DATE BY DESCRIPTION
01/31/13 REVISED SEAWALL PILE CAP ENDING LOCATION
Kimley-Horn and Associates, Inc.
JUAN E. JIMENEZ, PE
P.E. License No. 58704
MIAMI-DADE COUNTY
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT HIGHWAY DIVISION
SITE 5 PAVING, GRADING AND DRAINAGE

MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPT.
HIGHWAY DIVISION
MIAMI RIVER GREENWAYS
PROJECT NO. 20070718 SHEET 25 OF 34




SITE 4 SECTION "A"
N.T.S

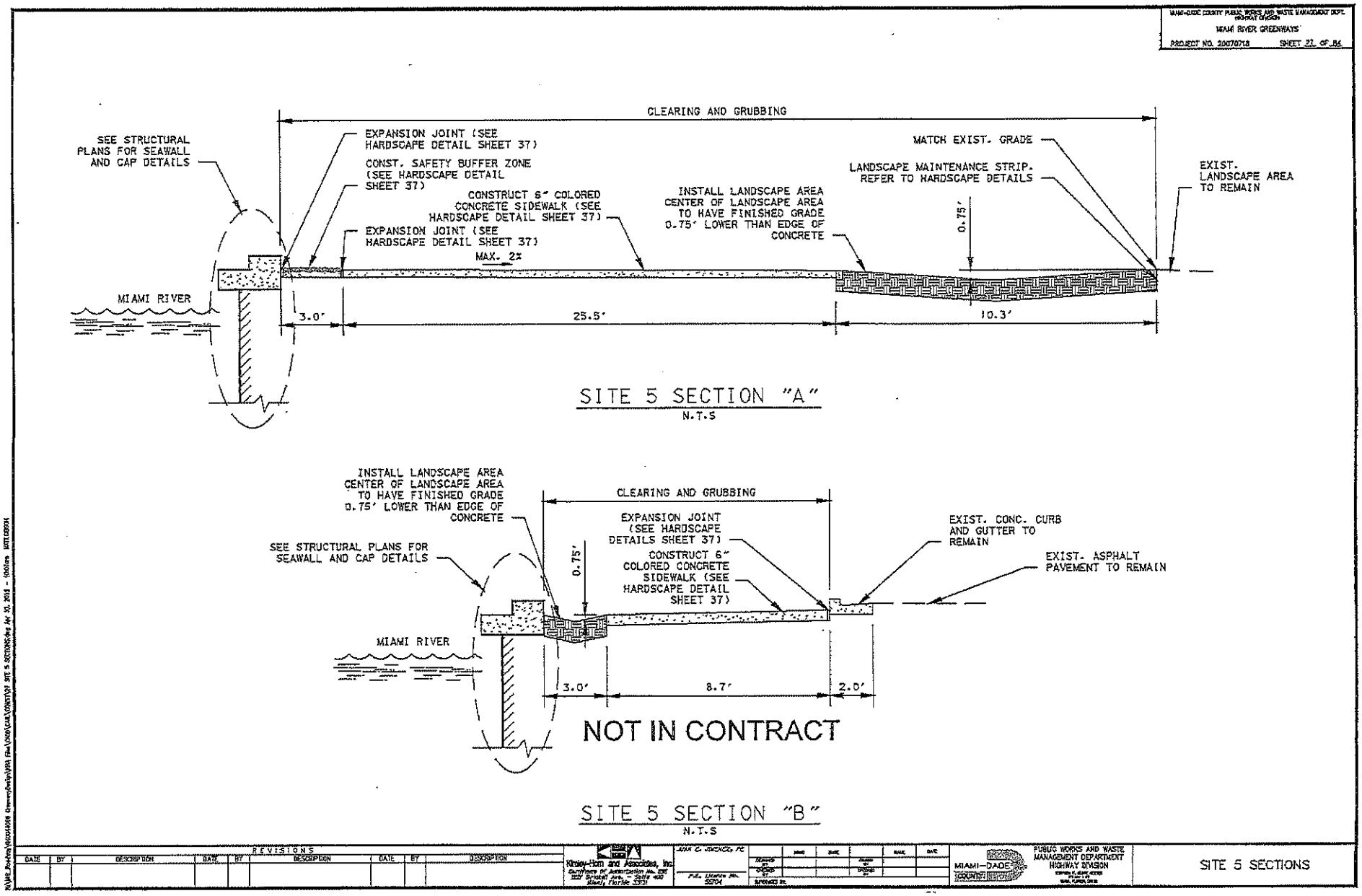
| REVISIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |

Kimley-Horn and Associates, Inc.
Corridors of Information Inc. Inc.
5201 Blackwell Ave. - Suite 400
Miami, Florida 33131

JUAN E. JIMENEZ, PE
P.E. License No. 55704

MIAMI-DADE COUNTY
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
HIGHWAY DIVISION

SITE 4 SECTIONS


MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPT.
HIGHWAY DIVISION
MIAMI RIVER GREENWAYS
PROJECT NO. 20070718
SHEET 27 OF 84
CLEARING AND GRUBBING
SEE STRUCTURAL PLANS FOR SEAWALL AND CAP DETAILS
EXPANSION JOINT (SEE HARDSCAPE DETAIL SHEET 37)
CONST. SAFETY BUFFER ZONE (SEE HARDSCAPE DETAIL SHEET 37)
CONSTRUCT 6" COLORED CONCRETE SIDEWALK (SEE HARDSCAPE DETAIL SHEET 37)
EXPANSION JOINT (SEE HARDSCAPE DETAIL SHEET 37)
MAX. 2%
INSTALL LANDSCAPE AREA CENTER OF LANDSCAPE AREA TO HAVE FINISHED GRADE 0.75' LOWER THAN EDGE OF CONCRETE
MATCH EXIST. GRADE
LANDSCAPE MAINTENANCE STRIP. REFER TO HARDSCAPE DETAILS
EXIST. LANDSCAPE AREA TO REMAIN
0.75'
MIAMI RIVER
3.0'
25.5'
10.3'
SITE 5 SECTION "A"
N.T.S
INSTALL LANDSCAPE AREA CENTER OF LANDSCAPE AREA TO HAVE FINISHED GRADE 0.75' LOWER THAN EDGE OF CONCRETE
CLEARING AND GRUBBING
EXPANSION JOINT (SEE HARDSCAPE DETAILS SHEET 37)
CONSTRUCT 6" COLORED CONCRETE SIDEWALK (SEE HARDSCAPE DETAIL SHEET 37)
SEE STRUCTURAL PLANS FOR SEAWALL AND CAP DETAILS
0.75'
EXIST. CONC. CURB AND GUTTER TO REMAIN
EXIST. ASPHALT PAVEMENT TO REMAIN
MIAMI RIVER
3.0'
8.7'
2.0'
NOT IN CONTRACT
SITE 5 SECTION "B"
N.T.S
REVISIONS
DATE
BY
DESCRIPTION
Kimley-Horn and Associates, Inc.
MIAMI-DADE COUNTY
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
HIGHWAY DIVISION
SITE 5 SECTIONS

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
MIAMI REGULATORY OFFICE
9900 SOUTHWEST 107th Ave, SUITE 203
MIAMI, FLORIDA 33176

REPLY TO
ATTENTION OF

Regulatory Division
South Permits Branch
Miami Regulatory Office
SAJ-2012-03262 (NW-ALS)

JAN 0 8 2013

Miami-Dade County Public Works Department
Attn: Gaspar Miranda
111 NW 1st Street, 16th Floor
Miami, FL 33128

Dear Mr. Miranda:

Your application for a Department of the Army permit received on May 2, 2012, has been assigned number SAJ-2012-03262 (NW-ALS). A review of the information and drawings provided shows that the Project is for a new 84 linear-foot sheet pile seawall with concrete cap, connecting two existing seawalls and a Metrorail pier cap. 244 cubic yards of backfill will be placed between the existing MHWL and the new seawall.

The project is located at the intersection of the Metro Rail & north shore of the Miami River (Site 4 – Folio # 0141370480010 & 0101000000320).

Site 4: Latitude 25.769030, North Longitude 80.195616 West

Your project, as depicted on the enclosed drawings dated by the Corps February 2, 2012, is authorized by Nationwide Permit (NWP) Number 13. In addition, project specific conditions have been enclosed. This verification is valid until JAN 0 8 2015

Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory webpage to access web links to view the Final Nationwide Permits, Federal Register Vol. 77, dated February 21, 2012, the Corrections to the Final Nationwide Permits, Federal Register 77, March 19, 2012, and the List of Regional Conditions. The website address is as follows:

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

Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 13. Additionally, enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

**The following special conditions are included with this verification:**

1. **Reporting Address:** All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 9900 Southwest 107th Avenue, Suite 203, Miami, Florida 33176. The Permittee shall reference this permit number, SAJ-2012-03262 (NW-ALS), on all submittals.

2. **Commencement Notification:** Within ten (10) days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

3. **As-Built with X-Y Coordinates:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and complete the enclosed As-Built Certification Form to the Corps. The drawings shall be signed and sealed by a Florida registered professional engineer or a professional land surveyor registered in the state of Florida confirming the actual location of all authorized work/structures with respect to the Federal channel and within the Federal easement and include the following:

   a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawings shall include the X-Y State Plane coordination points of the most waterward point of the structure. The drawings shall include the dimensions of the structure, depth of water (at mean low water) at the waterward end of the structure, and the distance from the waterward end of the structure to the near design edge of the Federal channel.
   b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates in any manner from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-

built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the Corps.
c. The Department of the Army Permit number.

4. **Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

5. **Cultural Resources/Historic Properties:** No structure or work shall adversely affect, impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP. Prior to the commencement of work, the Permitee, or other party on the Permitee's behalf, shall conduct a search of known historical properties by contracting a professional archaeologist. A cultural resources assessment survey may be required of the permit area, if deemed necessary by the Florida State Historic Preservation Office (SHPO) or Corps Project Manager, in accordance with 33 CFR 325: Appendix C (5).

   If, during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which was not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the SHPO and the Corps Regulatory Project Manager to assess the significance of the discovery and devise appropriate actions, including salvage operations. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization the Florida SHPO for finds under his or her jurisdiction, and from the Army Corps of Engineers District Engineer.

   In the unlikely event that human remains are identified, they will be treated in accordance with Florida State Regulation 872.05; all work in the vicinity shall immediately cease and the SHPO, Corps Regulatory Project Manager, and local authorities shall immediately be notified. Based, on the circumstances of the discovery,

equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization the SHPO for finds under his or her jurisdiction, and from the Army Corps of Engineers District Engineer.

6. **Sea Turtle/Sawfish Construction Condition:** The Permittee shall comply with National Marine Fisheries Service's "Sea Turtle and Smalltooth Sawfish Construction Conditions," dated March 23, 2006, attached to this permit.

7. **Manatee Construction Condition** The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011," attached to this permit.

8. **Upland Staging:** The Permittee agrees that all in-water work shall be staged from the uplands.

9. **Prohibition of Rip Rap:** Due to the likelihood of rip rap migrating into the adjacent channel and impede future operations of the United States, no rip rap shall be placed adjacent to the finished seawall.

10. **Regulatory Agency Changes:** Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a re-verification of this permit may be required prior to initiation of those changes. It is the Permittee's responsibility to request a re-verification from the Miami Regulatory Office.

11. **Permit Posting:** The Permittee shall ensure that all contractors, sub-contractors, and entities associated with the implementation of the project review, understand, and comply with the approved plans and special conditions made part of this permit. Complete copies of the permit and approved plans shall be available at the construction site at all times. Failure to comply with the approved plans and permit special conditions may subject the Permittee to enforcement action.

12. **Turbidity Barriers:** Prior to the initiation of any of the work authorized by this permit the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all erodible materials have been stabilized. Turbidity curtains must be removed once turbidity reaches background levels.

13. **Water Quality Certification and FWC Licensing:** This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this Nationwide permit must qualify for an exemption under section 403.813(1), F.S. or

373.406, F.S., or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, F.S., by the Department of Environmental Protection, a water management district under section 373.069, F.S., or a local government with delegated authority under section 373.441, F.S., and receive Water Quality Certification (WQC) and applicable Coastal Zone Consistency Concurrence (CZCC) or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, F.S., and, as applicable, Chapter 258, F.S. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (http://www.myfwc.com/license/wildlife/) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (http://www.fnai.org/ ) also maintains updated lists, by county, of documented occurrences of those species.

**end special conditions**

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

Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a re-verification of the revised work is required prior to initiation of those changes. It is the Permittee's responsibility to request a re-verification of this proposed work from the Miami Regulatory Office.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact AUDREY SIU by telephone at 305-779-6051.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit the following link and complete our automated

Customer Service Survey: http://per2.nwp.usace.army.mil/survey.html. Your input is appreciated – favorable or otherwise.

Sincerely,

AUDREY SIU
Project Manager

Enclosures
General Conditions
Self-Certification Statement of Compliance
Permit Transfer Request
Site Plans dated by the Corps February 2, 2012
Jurisdictional Determination dated May 2, 2012
FWS Standard Manatee Conditions for In-Water Work (2011)
NMFS Sea Turtle and Smalltooth Sawfish Construction Conditions (2006)

Copies Furnished:

Lana Moorey, P.E.
Miami-Dade County Public Works and Waste Management Department
Highway Division
Plans Review and Design
(via email: lana@miamidade.gov)

bcc:
CESAJ-RD-PE

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

1. The time limit for completing the work authorized ends on **date identified in the letter**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort of if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

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

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**

**Permit Number: NW-13**
**Application Number: SAJ-2012-03262**

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

_____

_____

Telephone Number:_____

Location of the Work:_____

_____

Date Work Started:_____ Date Work Completed:_____

Description of the Work (e.g., bank stabilization, residential or commercial filling, docks, dredging, etc.):_____

_____

_____

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

_____

Describe Mitigation completed (if applicable):_____

_____

_____

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

_____

_____

**********

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

_____
Signature of Permittee

_____
Date

## DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

**PERMIT NUMBER:**_____

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

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

_____
**(TRANSFEREE-SIGNATURE)**

_____
**(DATE)**

_____
**(NAME-PRINTED)**

_____

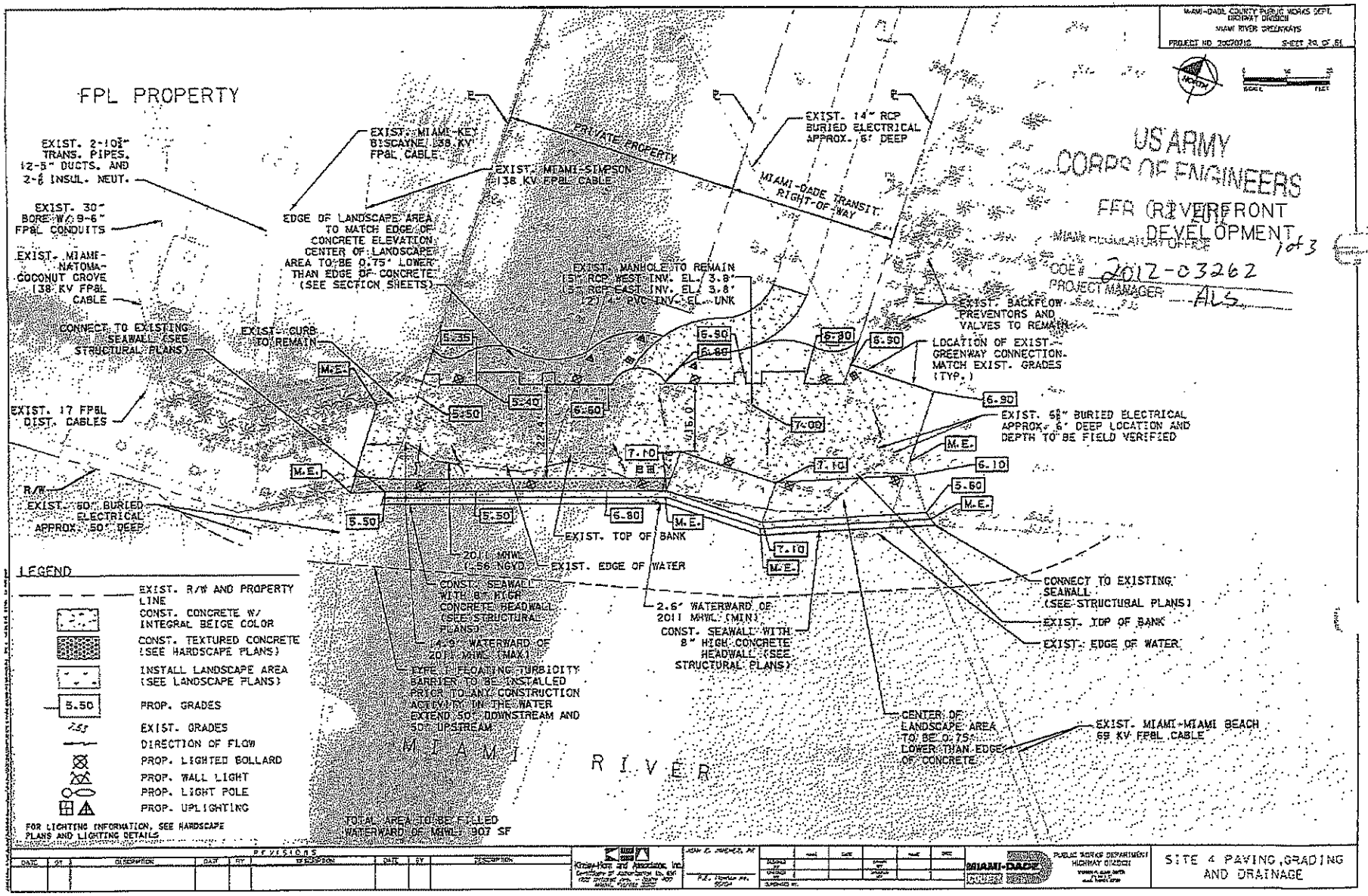
_____
**(MAILING ADDRESS)**

_____
**(CITY, STATE, ZIP CODE**

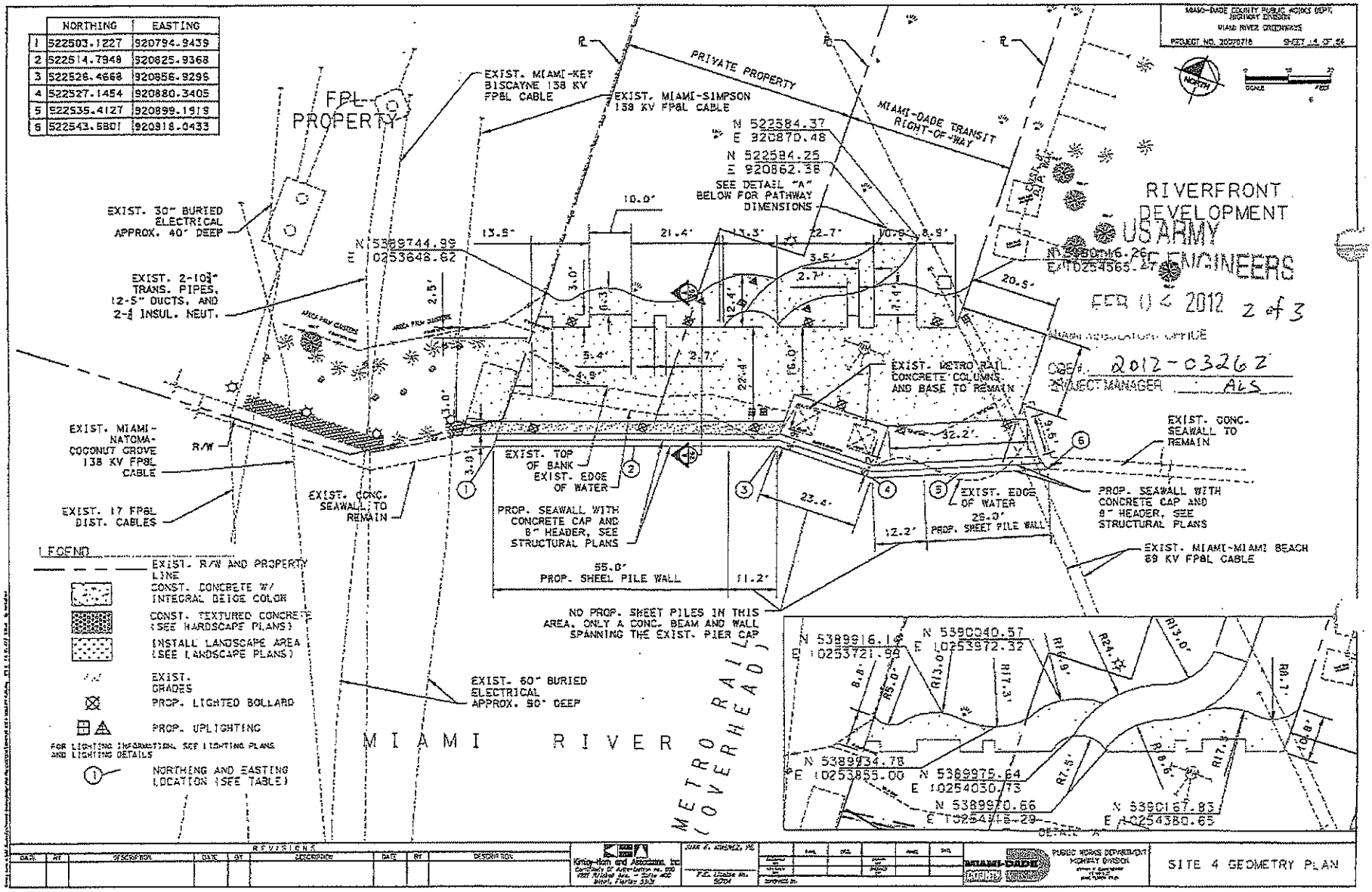
_____
**(SUBDIVISION)**

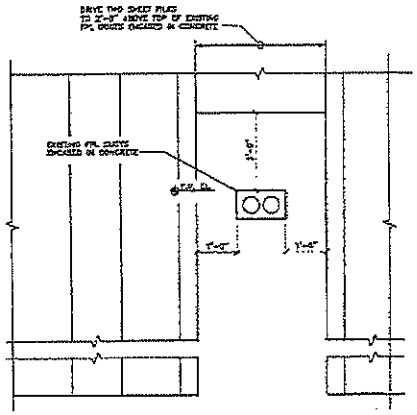
_____ _____
**(LOT)** **(BLOCK)**

_____
**(STREET ADDRESS)**

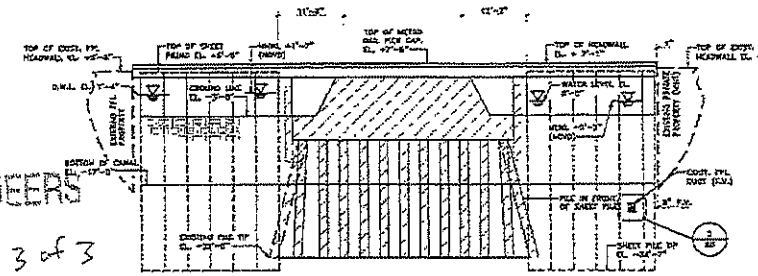

MIAMI-DADE COUNTY PUBLIC WORKS DEPT.
HIGHWAY DIVISION
MIAMI RIVER GREENWAYS
FPL PROPERTY
EXIST. 2-10¾" TRANS. PIPES, 12-5" DUCTS, AND 2-⅝ INSUL. NEUT.
EXIST. 30" BORE W/ 9-6" FP&L CONDUITS
EXIST. MIAMI-NATOMA-COCONUT GROVE 138 KV FP&L CABLE
CONNECT TO EXISTING SEAWALL (SEE STRUCTURAL PLANS)
EXIST. 17 FP&L DIST. CABLES
R/W
EXIST. 60" BURIED ELECTRICAL APPROX. 50' DEEP
EXIST. MIAMI-KEY BISCAYNE 138 KV FP&L CABLE
EXIST. MIAMI-SIMPSON 138 KV FP&L CABLE
EDGE OF LANDSCAPE AREA TO MATCH EDGE OF CONCRETE ELEVATION. CENTER OF LANDSCAPE AREA TO BE 0.75' LOWER THAN EDGE OF CONCRETE (SEE SECTION SHEETS)
EXIST. CURB TO REMAIN
PRIVATE PROPERTY
MIAMI-DADE TRANSIT RIGHT-OF-WAY
EXIST. 14" RCP BURIED ELECTRICAL APPROX. 6' DEEP
EXIST. MANHOLE TO REMAIN
15" RCP WEST INV. EL. 3.8'
15" RCP EAST INV. EL. 3.8'
(2) 4" PVC INV. EL. UNK
EXIST. BACKFLOW PREVENTORS AND VALVES TO REMAIN
LOCATION OF EXIST. GREENWAY CONNECTION. MATCH EXIST. GRADES (TYP.)
EXIST. 6⅝" BURIED ELECTRICAL APPROX. 6' DEEP LOCATION AND DEPTH TO BE FIELD VERIFIED
M.E.
5.35
5.40
5.50
6.60
6.90
6.80
7.00
7.10
6.10
5.60
EXIST. TOP OF BANK
EXIST. EDGE OF WATER
2011 MHWL (.56 NGVD)
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
14.9' WATERWARD OF 2011 MHWL (MAX)
TYPE I FLOATING TURBIDITY BARRIER TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE WATER EXTEND 50' DOWNSTREAM AND 50' UPSTREAM
2.6' WATERWARD OF 2011 MHWL (MIN)
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
CONNECT TO EXISTING SEAWALL (SEE STRUCTURAL PLANS)
EXIST. TOP OF BANK
EXIST. EDGE OF WATER
CENTER OF LANDSCAPE AREA TO BE 0.75' LOWER THAN EDGE OF CONCRETE
EXIST. MIAMI-MIAMI BEACH 69 KV FP&L CABLE
MIAMI RIVER
TOTAL AREA TO BE FILLED WATERWARD OF MHWL: 907 SF
LEGEND
EXIST. R/W AND PROPERTY LINE
CONST. CONCRETE W/ INTEGRAL BEIGE COLOR
CONST. TEXTURED CONCRETE (SEE HARDSCAPE PLANS)
INSTALL LANDSCAPE AREA (SEE LANDSCAPE PLANS)
PROP. GRADES
EXIST. GRADES
DIRECTION OF FLOW
PROP. LIGHTED BOLLARD
PROP. WALL LIGHT
PROP. LIGHT POLE
PROP. UPLIGHTING
FOR LIGHTING INFORMATION, SEE HARDSCAPE PLANS AND LIGHTING DETAILS
US ARMY CORPS OF ENGINEERS
FFR (R) RIVERFRONT DEVELOPMENT
MIAMI REGULATORY OFFICE
COE# 2012-03262
PROJECT MANAGER ALS
1 of 3
REVISIONS
MIAMI-DADE
PUBLIC WORKS DEPARTMENT HIGHWAY DIVISION
SITE 4 PAVING, GRADING AND DRAINAGE

| | NORTHING | EASTING |
|---|---|---|
| 1 | 522503.1227 | 920794.9439 |
| 2 | 522514.7948 | 920825.9368 |
| 3 | 522526.4668 | 920856.9298 |
| 4 | 522527.1454 | 920880.3405 |
| 5 | 522535.4127 | 920899.1919 |
| 6 | 522543.6801 | 920918.0433 |



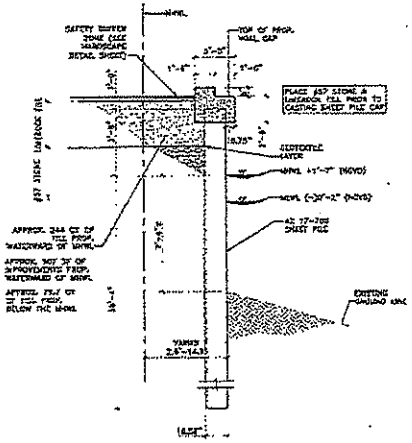


2 DETAIL AT EXISTING UTILITIES
SCALE: 3/4" = 1'-0"

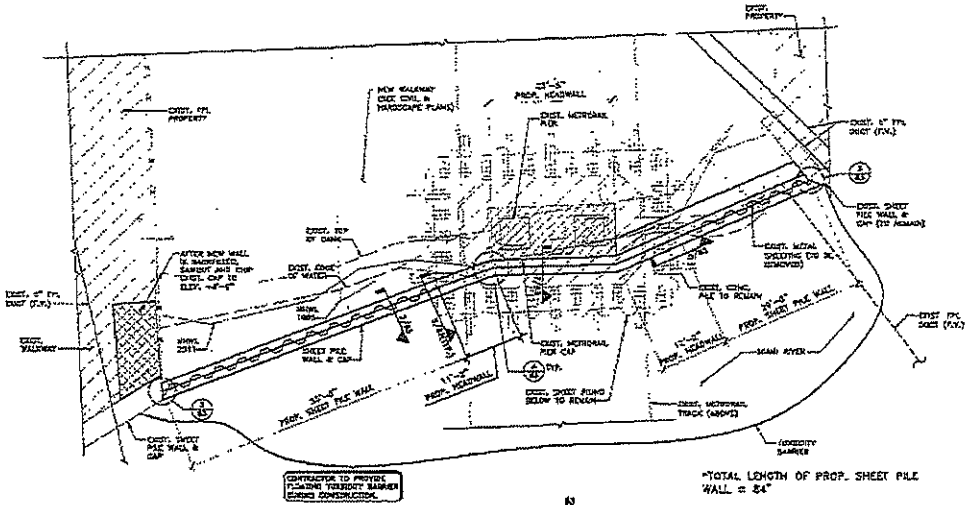


2 SITE 4 ELEVATION
SCALE: 3/32" = 1'-0"

US ARMY
CORPS OF ENGINEERS
FEB 02 2012
3 of 3
MIAMI REGULATORY OFFICE
CODE # 2012-03262
PROJECT MANAGER ARS



1 SITE 4 - TYPICAL SECTION
SCALE: N.T.S.



SITE 4 PLAN
SCALE: N.T.S.

*TOTAL LENGTH OF PROP. SHEET PILE WALL = 84'

JUNE 2010

| REVISIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
| | | | | | | | | |

MIAMI-DADE COUNTY

PUBLIC WORKS DEPARTMENT
HIGHWAY DIVISION

STRUCTURAL PLANS
SITE 4

## RIVERS AND HARBORS ACT SECTION 10 DETERMINATION OF JURISDICTION

**Project Name: Miami-Dade Greenways Site 4**

**Action ID: SAJ-2012-03262**

**Applicant: Miami-Dade County Public Works Department, C/O Gaspar Miranda**

There are "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

**Waterbody: Miami River**

**Waters have been determined to be navigable because:**

- ☐ Navigation Study
- ☐ Judicial interpretation in a Federal court of law
- ☒ Waters subject to the ebb and flow of the tide
- ☒ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. **Explain**: Work is in/over the Miami River, which is presently and has historically been used for private and commercial vessel traffic.

**Project Manager: Audrey Siu**

**Date: May 2, 2012**

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
263 13th Avenue South
St. Petersburg, FL 33701

## SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.

b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.

c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.

d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.

e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.

f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.

g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006
O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc

## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK
2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.

d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com

f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

# CAUTION: MANATEE HABITAT

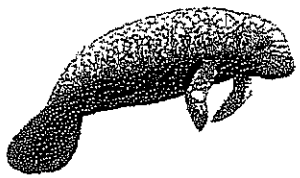
**All project vessels**

## IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

## SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

**1-888-404-FWCC(3922)**

cell *FWC or #FWC

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
MIAMI REGULATORY OFFICE
9900 SOUTHWEST 107th Ave, SUITE 203
MIAMI, FLORIDA 33176

REPLY TO
ATTENTION OF

Regulatory Division
South Permits Branch
Miami Regulatory Office
SAJ-2012-03263 (NW-ALS)

JAN 0 8 2013

Miami-Dade County Public Works Department
Attn: Gaspar Miranda
111 NW 1st Street, 16th Floor
Miami, FL 33128

Dear Mr. Miranda:

Your application for a Department of the Army permit received on January 14, 2010, has been assigned number SAJ-2012-03263 (NW-ALS). A review of the information and drawings provided shows Project is for a new 107 linear-foot sheet pile seawall and headwall with concrete cap, connecting two existing seawalls and a Metrorail pier cap. 244 cubic yards of backfill will be placed between the existing MHWL and the new seawall.

The project is located at the intersection of the Metro Rail & south shore of the Miami River (Site 5 – Folio # 0102050001200 & 0102030902010).

Latitude: 25.9675°N, Longitude 80.1529°W

Your project, as depicted on the enclosed drawings dated by the Corps February 2, 2012, is authorized by Nationwide Permit (NWP) Number 13. In addition, project specific conditions have been enclosed. This verification is valid until

JAN 0 8 2015

Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory webpage to access web links to view the Final Nationwide Permits, Federal Register Vol. 77, dated February 21, 2012, the Corrections to the Final Nationwide Permits, Federal Register 77, March 19, 2012, and the List of Regional Conditions. The website address is as follows:

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

Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 13. Additionally, enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

**The following special conditions are included with this verification:**

1. **Reporting Address:** All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 9900 Southwest 107th Avenue, Suite 203, Miami, Florida 33176. The Permittee shall reference this permit number, SAJ-2012-03263 (NW-ALS), on all submittals.

2. **Commencement Notification:** Within ten (10) days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

3. **As-Built with X-Y Coordinates:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and complete the enclosed As-Built Certification Form to the Corps. The drawings shall be signed and sealed by a Florida registered professional engineer or a professional land surveyor registered in the state of Florida confirming the actual location of all authorized work/structures with respect to the Federal channel and within the Federal easement and include the following:

   a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawings shall include the X-Y State Plane coordination points of the most waterward point of the structure. The drawings shall include the dimensions of the structure, depth of water (at mean low water) at the waterward end of the structure, and the distance from the waterward end of the structure to the near design edge of the Federal channel.
   b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates in any manner from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-

built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the Corps.
c. The Department of the Army Permit number.

4. **Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

5. **Cultural Resources/Historic Properties:** No structure or work shall adversely affect, impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP. Prior to the commencement of work, the Permitee, or other party on the Permitee's behalf, shall conduct a search of known historical properties by contracting a professional archaeologist. A cultural resources assessment survey may be required of the permit area, if deemed necessary by the Florida State Historic Preservation Office (SHPO) or Corps Project Manager, in accordance with 33 CFR 325: Appendix C (5).

   If, during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which was not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the SHPO and the Corps Regulatory Project Manager to assess the significance of the discovery and devise appropriate actions, including salvage operations. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization the Florida SHPO for finds under his or her jurisdiction, and from the Army Corps of Engineers District Engineer.

   In the unlikely event that human remains are identified, they will be treated in accordance with Florida State Regulation 872.05; all work in the vicinity shall immediately cease and the SHPO, Corps Regulatory Project Manager, and local authorities shall immediately be notified. Based, on the circumstances of the discovery,

equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization the SHPO for finds under his or her jurisdiction, and from the Army Corps of Engineers District Engineer.

6. **Sea Turtle/Sawfish Construction Condition:** The Permittee shall comply with National Marine Fisheries Service's "Sea Turtle and Smalltooth Sawfish Construction Conditions," dated March 23, 2006, attached to this permit.

7. **Manatee Construction Condition** The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011," attached to this permit.

8. **Upland Staging:** The Permittee agrees that all in-water work shall be staged from the uplands.

9. **Prohibition of Rip Rap:** Due to the likelihood of rip rap migrating into the adjacent channel and impede future operations of the United States, no rip rap shall be placed adjacent to the finished seawall.

10. **Regulatory Agency Changes:** Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a re-verification of this permit may be required prior to initiation of those changes. It is the Permittee's responsibility to request a re-verification from the Miami Regulatory Office.

11. **Permit Posting:** The Permittee shall ensure that all contractors, sub-contractors, and entities associated with the implementation of the project review, understand, and comply with the approved plans and special conditions made part of this permit.

    Complete copies of the permit and approved plans shall be available at the construction site at all times. Failure to comply with the approved plans and permit special conditions may subject the Permittee to enforcement action.

12. **Turbidity Barriers:** Prior to the initiation of any of the work authorized by this permit the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all erodible materials have been stabilized. Turbidity curtains must be removed once turbidity reaches background levels.

13. **Water Quality Certification and FWC Licensing:** This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this

Nationwide permit must qualify for an exemption under section 403.813(1), F.S. or 373.406, F.S., or otherwise be authorized by the applicable permit required under Part IV of Chapter 373, F.S., by the Department of Environmental Protection, a water management district under section 373.069, F.S., or a local government with delegated authority under section 373.441, F.S., and receive Water Quality Certification (WQC) and applicable Coastal Zone Consistency Concurrence (CZCC) or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, F.S., and, as applicable, Chapter 258, F.S. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (http://www.myfwc.com/license/wildlife/) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (http://www.fnai.org/ ) also maintains updated lists, by county, of documented occurrences of those species.

** end special conditions**

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

Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a re-verification of the revised work is required prior to initiation of those changes. It is the Permittee's responsibility to request a re-verification of this proposed work from the Miami Regulatory Office.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact AUDREY SIU by telephone at 305-779-6051.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite

you to take a few minutes to visit the following link and complete our automated Customer Service Survey: http://per2.nwp.usace.army.mil/survey.html. Your input is appreciated – favorable or otherwise.

Sincerely,

AUDREY SIU
Project Manager

Enclosures
General Conditions
Self-Certification Statement of Compliance
Permit Transfer Request
Site plans dated May 02, 2012
Jurisdictional Determination dated May 2, 2012
FWS Standard Manatee Conditions for In-Water Work (2011)
NMFS Sea Turtle and Smalltooth Sawfish Construction Conditions (2006)

Copies Furnished:

Lana Moorey, P.E.
Miami-Dade County Public Works and Waste Management Department
Highway Division
Plans Review and Design
(via email: lana@miamidade.gov)

bcc:
CESAJ-RD-PE

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

1. The time limit for completing the work authorized ends on **date identified in the letter**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort of if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

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

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**

**Permit Number: NW-13**
**Application Number: SAJ-2012-03263**

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

_____

_____

Telephone Number:_____

Location of the Work:_____

_____

Date Work Started:_____ Date Work Completed:_____

Description of the Work (e.g., bank stabilization, residential or commercial filling, docks, dredging, etc.):_____

_____

_____

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

_____

Describe Mitigation completed (if applicable):_____

_____

_____

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

_____

_____

**********

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

_____
Signature of Permittee

_____
Date

## DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

**PERMIT NUMBER:**_____

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

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

_____
**(TRANSFEREE-SIGNATURE)**

_____
**(DATE)**

_____
**(NAME-PRINTED)**

_____

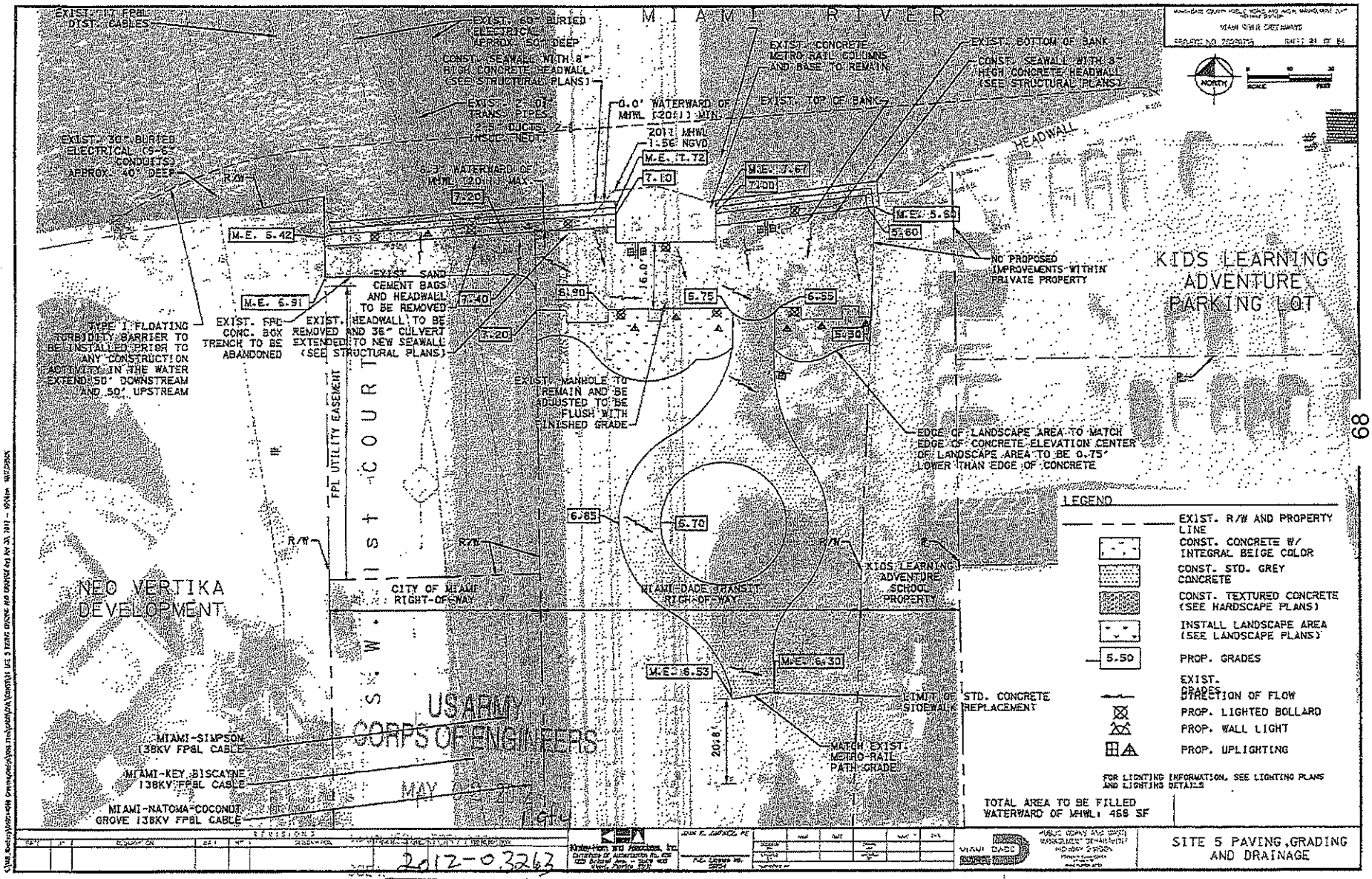
_____
**(MAILING ADDRESS)**

_____
**(CITY, STATE, ZIP CODE**

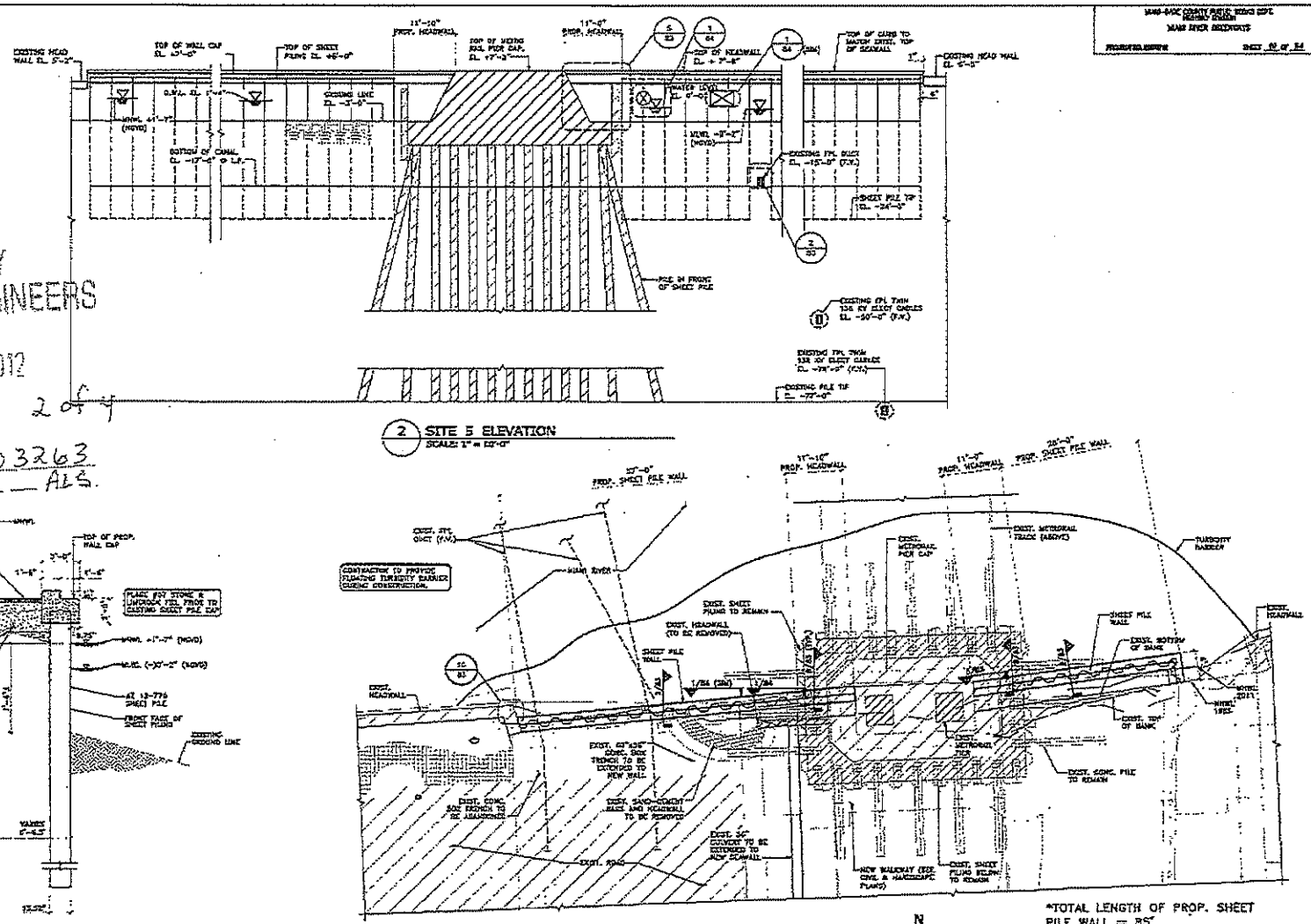
_____
**(SUBDIVISION)**

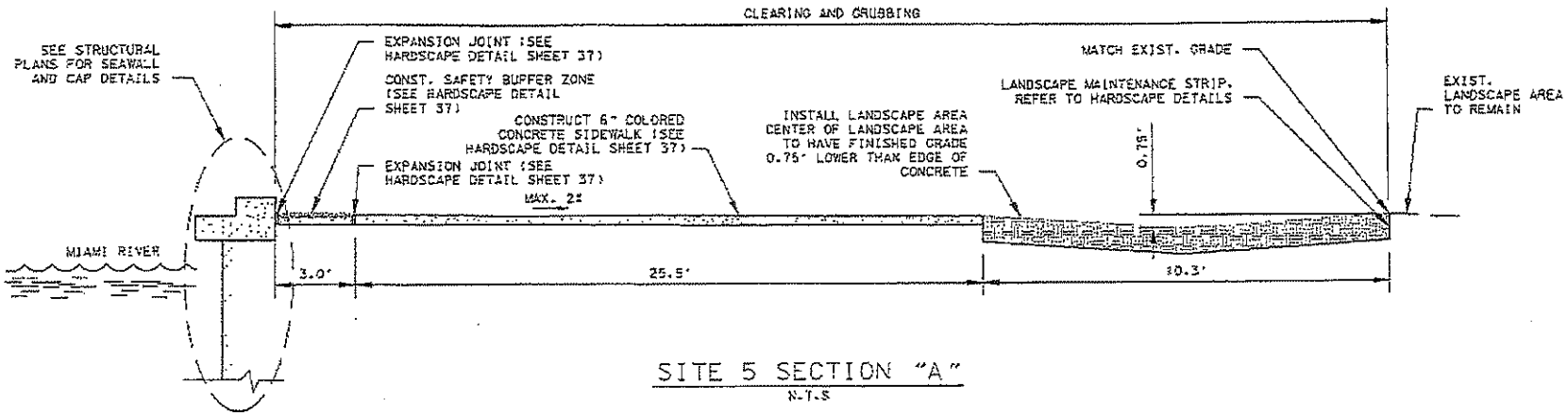
_____ _____
**(LOT)** **(BLOCK)**

_____
**(STREET ADDRESS)**

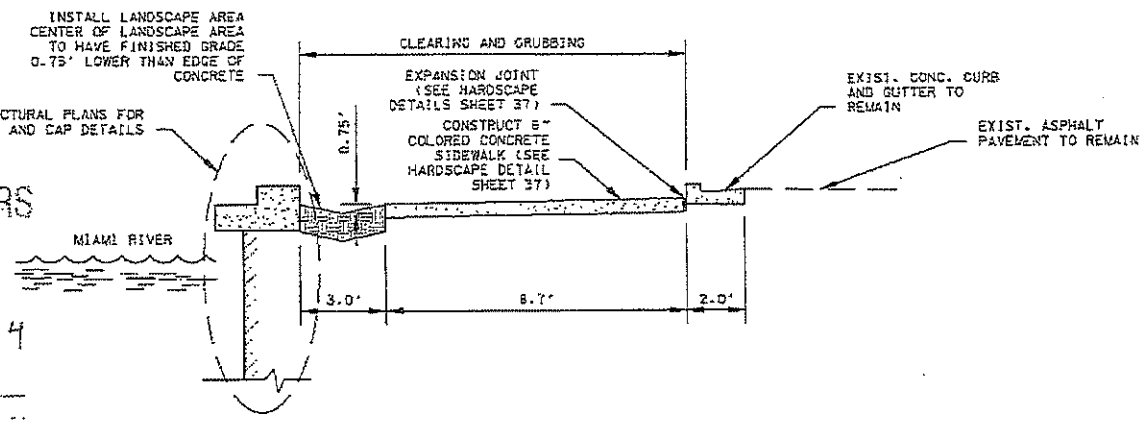

M I A M I  R I V E R
EXIST. 115 FPSL DIST. CABLES
EXIST. 60" BURIED ELECTRICAL APPROX. 50' DEEP
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
EXIST. 2-01 TRANS. PIPES 2-5 DUCTS, 2-5 INSUC. NEUT.
EXIST. 30" BURIED ELECTRICAL (9-6" CONDUITS) APPROX. 40' DEEP
R/W
6.3' WATERWARD OF MHWL (20.0'±) MAX.
0.0' WATERWARD OF MHWL (20.0'±) MIN.
2017 MHWL 1.56' NGVD
EXIST. CONCRETE METRO RAIL COLUMNS AND BASE TO REMAIN
EXIST. TOP OF BANK
EXIST. BOTTOM OF BANK
CONST. SEAWALL WITH 8" HIGH CONCRETE HEADWALL (SEE STRUCTURAL PLANS)
HEADWALL
M.E. 7.72
7.10
M.E. 7.67
7.00
M.E. 5.60
5.60
M.E. 6.42
7.20
NO PROPOSED IMPROVEMENTS WITHIN PRIVATE PROPERTY
KIDS LEARNING ADVENTURE PARKING LOT
M.E. 6.91
EXIST. SAND CEMENT BAGS AND HEADWALL TO BE REMOVED
7.40
6.90
16.0'
6.75
6.55
EXIST. FPL CONC. BOX TRENCH TO BE ABANDONED
EXIST. HEADWALL TO BE REMOVED AND 36" CULVERT EXTENDED TO NEW SEAWALL (SEE STRUCTURAL PLANS)
7.20
6.50
TYPE I FLOATING TURBIDITY BARRIER TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE WATER EXTEND 50' DOWNSTREAM AND 50' UPSTREAM
EXIST. MANHOLE TO REMAIN AND BE ADJUSTED TO BE FLUSH WITH FINISHED GRADE
EDGE OF LANDSCAPE AREA TO MATCH EDGE OF CONCRETE ELEVATION CENTER OF LANDSCAPE AREA TO BE 0.75' LOWER THAN EDGE OF CONCRETE
FPL UTILITY EASEMENT
S.W. 1st COURT
6.65
6.70
R/W
CITY OF MIAMI RIGHT-OF-WAY
MIAMI-DADE TRANSIT RIGHT-OF-WAY
KIDS LEARNING ADVENTURE SCHOOL PROPERTY
NEO VERTIKA DEVELOPMENT
M.E. 6.53
M.E. 6.30
LIMIT OF STD. CONCRETE SIDEWALK REPLACEMENT
20.8'
USARMY CORPS OF ENGINEERS
MATCH EXIST. METRO-RAIL PATH GRADE
MIAMI-SIMPSON 138KV FPSL CABLE
MIAMI-KEY BISCAYNE 138KV FPSL CABLE
MIAMI-NATOMA-COCONUT GROVE 138KV FPSL CABLE
MAY 0 2 2012
LEGEND
EXIST. R/W AND PROPERTY LINE
CONST. CONCRETE W/ INTEGRAL BEIGE COLOR
CONST. STD. GREY CONCRETE
CONST. TEXTURED CONCRETE (SEE HARDSCAPE PLANS)
INSTALL LANDSCAPE AREA (SEE LANDSCAPE PLANS)
5.50 PROP. GRADES
EXIST. GRADES
DIRECTION OF FLOW
PROP. LIGHTED BOLLARD
PROP. WALL LIGHT
PROP. UPLIGHTING
FOR LIGHTING INFORMATION, SEE LIGHTING PLANS AND LIGHTING DETAILS
TOTAL AREA TO BE FILLED WATERWARD OF MHWL: 466 SF
NORTH
SITE 5 PAVING, GRADING AND DRAINAGE
MIAMI DADE
2012-03263
PROJECT MANAGER: AJS

US ARMY
CORPS OF ENGINEERS
MAY 12 2012
REGULATORY OFFICE
2 of 4
JOB # 2012-03263
PROJECT MANAGER ALS






SITE 5 SECTION "A"
N.T.S




US ARMY
CORPS OF ENGINEERS
MAY 02 2012
MIAMI REGULATORY OFFICE 3 of 4
SOE #: 2012-03263
PROJECT MANAGER: ALS

SITE 5 SECTION "B"
N.T.S

| DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION | DATE | BY | DESCRIPTION |
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| | | | | | | | | |

Kimley-Horn and Associates, Inc.
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JAMES E. JOHNSTON, PE
P.E. License No. 39004

MIAMI-DADE
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
WATER DIVISION
Miami-Dade Water and Sewer Department
Miami-Dade Solid Waste Management
www.miamidade.gov

SITE 5 SECTIONS

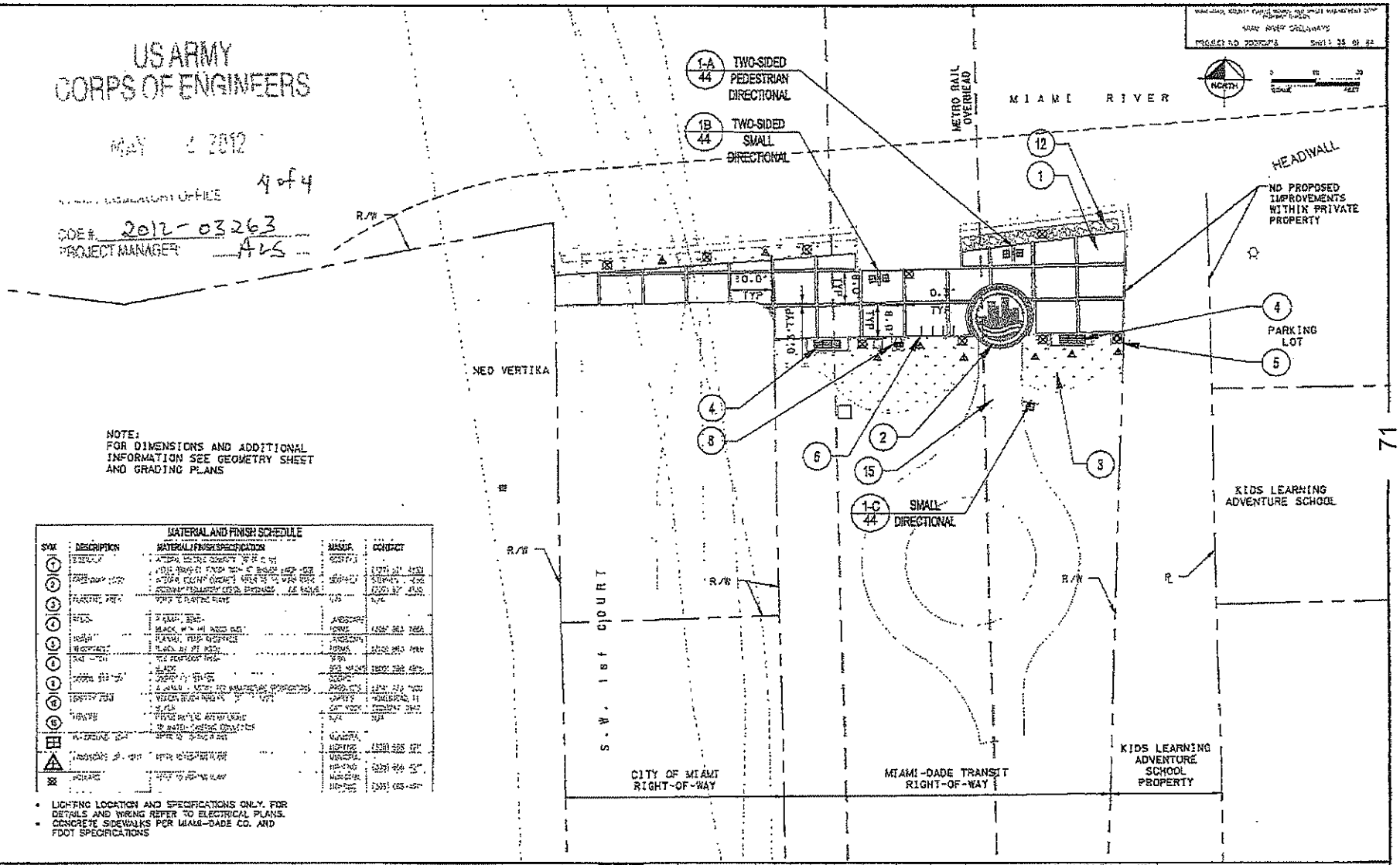
70

US ARMY
CORPS OF ENGINEERS

MAY 2012

4 of 4

CDE #: 2012-03263
PROJECT MANAGER: ALS




NOTE:
FOR DIMENSIONS AND ADDITIONAL INFORMATION SEE GEOMETRY SHEET AND GRADING PLANS

MATERIAL AND FINISH SCHEDULE

| SYM | DESCRIPTION | MATERIAL/FINISH SPECIFICATION | MANUF. | CONTACT |
|---|---|---|---|---|
| 1 | [illegible] | [illegible] | [illegible] | [illegible] |
| 2 | [illegible] | [illegible] | [illegible] | [illegible] |
| 3 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4 | [illegible] | [illegible] | [illegible] | [illegible] |
| 5 | [illegible] | [illegible] | [illegible] | [illegible] |
| 6 | [illegible] | [illegible] | [illegible] | [illegible] |
| 8 | [illegible] | [illegible] | [illegible] | [illegible] |
| 12 | [illegible] | [illegible] | [illegible] | [illegible] |
| 15 | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | [illegible] | [illegible] |

- LIGHTING LOCATION AND SPECIFICATIONS ONLY. FOR DETAILS AND WIRING REFER TO ELECTRICAL PLANS.
- CONCRETE SIDEWALKS PER MIAMI-DADE CO. AND FDOT SPECIFICATIONS

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P.E. License No. [illegible]

MIAMI-DADE
PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT
HIGHWAY DIVISION

SITE 5 HARDSCAPE PLAN

71

## RIVERS AND HARBORS ACT SECTION 10 DETERMINATION OF JURISDICTION

**Project Name: Miami-Dade Greenways Site 5**

**Action ID: SAJ-2012-03263**

**Applicant: Miami-Dade County Public Works Department, C/O Gaspar Miranda**

There are "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

**Waterbody: Miami River**

**Waters have been determined to be navigable because:**

- ☐ Navigation Study
- ☐ Judicial interpretation in a Federal court of law
- ☒ Waters subject to the ebb and flow of the tide
- ☒ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. **Explain**: Work is in/over the Miami River, which is presently and has historically been used for private and commercial vessel traffic.

**Project Manager: Audrey Siu**

**Date: May 2, 2012**

UNITED STATES DEPARTMENT OF COMMERCE
**National Oceanic and Atmospheric Administration**
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
263 13th Avenue South
St. Petersburg, FL 33701

## SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.

b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.

c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.

d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.

e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.

f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.

g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006
O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc

## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK
2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.

d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com

f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

# CAUTION: MANATEE HABITAT

**All project vessels**

## IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

## SHUT DOWN

Report any collision with or injury to a manatee:

Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC