Memorandum

MIAMI-DADE COUNTY

Date: May 5, 2009

Agenda Item No. 3(J)(1)(C)

To: Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

From: George M. Burgess
County Manager

Subject: Ratification of Grant Application to the National Oceanic and Atmospheric Administration for Highland Oaks Park Wetlands Restoration

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Recommendation

It is recommended that the Board adopt the attached resolution ratifying the submission of a grant application to the National Oceanic and Atmospheric Administration (Attachment A) in the amount of $2,224,618 for wetlands restoration, invasive vegetation removal and hydrological improvements at Highland Oaks Park. It is further recommended that the Board authorize the County Mayor or County Mayor's designee to receive and expend grant funds, and execute contracts, agreements and amendments as required by program guidelines. Ratification of this application is necessary because the application deadline of April 6, 2009 did not allow time to submit a resolution to the Board prior to submitting the application.

Scope

Highland Oaks Park is located at 20459 NE 24th Avenue, in Commission District 4. The property is open to all residents and visitors of Miami-Dade County. The project impact is countywide.

Fiscal Impact/Funding Source

The grant will contribute $2,224,618 towards the estimated total project cost of $2,634,218. The voluntary match of $409,600 is from Safe Neighborhood Parks funds expended on this project in FY2005-2006.

Track Record/Monitor

The grant will be administered by Rahul Shrivastava, Grants Administrator at Miami-Dade Park and Recreation Department. The Miami-Dade County Department of Environmental Resource Management has received a total of $965,642 in federal grant funds from the National Oceanic and Atmospheric Administration.

Background

South Florida's natural ecosystems have been considerably degraded by urbanization as a result of rapid population growth. The Oleta River, the northern part of which flows through Highland Oaks Park, is the only remaining natural river in Miami-Dade County with the environmental conditions necessary for commercial and recreational fish to thrive. The proposed project will improve coastal and freshwater wetlands by removing in-stream barriers to fish migration and restore additional habitat for fish. These grant funds were made available through the American Recovery and Reinvestment Act to create jobs, and stimulate the economy.

Attachment

Alex Muñoz,
Assistant County Manager

MEMORANDUM

(Revised)

TO: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

DATE: May 5, 2009

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

SUBJECT: Agenda Item No. 3(J)(1)(C)

Please note any items checked.

_____	"4-Day Rule" ("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
_____	Bid waiver requiring County Mayor's written recommendation
_____	Ordinance creating a new board requires detailed County Manager's report for public hearing
_____	Housekeeping item (no policy decision required)
✓	No committee review

2

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 3(J)(1)(C)
5-5-09

RESOLUTION NO. _____

RESOLUTION RATIFYING THE SUBMISSION OF A GRANT APPLICATION TO THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION FOR $2,224,618 FOR WETLANDS RESTORATION, INVASIVE VEGETATION REMOVAL AND HYDROLOGICAL IMPROVEMENTS AT HIGHLAND OAKS PARK; AND FURTHER AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO RECEIVE AND EXPEND FUNDS, AND TO FILE AND EXECUTE CONTRACTS AND AMENDMENTS AS REQUIRED

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

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board ratifies the submission of the grant application to the National Oceanic and Atmospheric Administration for $2,224,618 in grant funding to support wetlands restoration, invasive vegetation removal and hydrological improvements at Highland Oaks Park; and further authorizes the County Mayor or County Mayor's designee to execute such contracts and amendments 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 contracts and 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:

Dennis C. Moss, Chairman
Jose "Pepe" Diaz, Vice-Chairman

Bruno A. Barreiro	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Barbara J. Jordan	Joe A. Martinez
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 5th day of May, 2009. 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.

Monica Rizo

GRANTS.GOV™

Home > Apply for Grants > Confirmation

Confirmation

Thank you for submitting your grant application package via Grants.gov. Your application is currently being processed by the Grants.gov system. Once your submission has been processed, Grants.gov will send email messages to advise you of the progress of your application through the system. Over the next 24 to 48 hours, you should receive two emails. The first will confirm receipt of your application by the Grants.gov system, and the second will indicate that the application has either been successfully validated by the system prior to transmission to the grantor agency or has been rejected due to errors.

Please do not hit the back button on your browser.

If your application is successfully validated and subsequently retrieved by the grantor agency from the Grants.gov system, you will receive an additional email. This email may be delivered several days or weeks from the date of submission, depending on when the grantor agency retrieves it.

You may also monitor the processing status of your submission within the Grants.gov system by using the following steps:

1. Go to http://www.grants.gov
2. Click on the "Track Your Application" link on the left side navigation bar on the Grants.gov homepage.
3. Login to the system using your AOR User Id and password
4. Click on the "Check Application Status" link on the left side navigation bar.

Note: Once the grantor agency has retrieved your application from Grants.gov, you will need to contact them directly for any subsequent status updates. Grants.gov does not participate in making any award decisions.

IMPORTANT NOTICE: If you do not receive a receipt confirmation and either a validation confirmation or a rejection email message within 48 hours, please contact us. The Grants.gov Contact Center can be reached by email at support@grants.gov, or by telephone at 1-800-518-4726. Always include your Grants.gov tracking number in all correspondence. The tracking numbers issued by Grants.gov look like GRANTXXXXXXXXX.

5

Contact Center hours of operation are Monday-Friday from 7:00 A.M. to 9:00 P.M. Eastern Time.

The following application tracking information was generated by the system:

Grants.gov Tracking Number :	GRANT10240696
Applicant DUNS:	00-414-8292
Submitter's Name:	Rahul Shrivastava
CFDA Number:	11.463
CFDA Description:	Habitat Conservation
Funding Opportunity Number :	NOAA-NMFS-HCPO-2009-2001709
Funding Opportunity Description :	Coastal and Marine Habitat Restoration Project Grants
Agency Name :	National Oceanic and Atmospheric Administration
Application Name of this Submission :	Highland Oaks Park Wetlands Restoration
Date/Time of Receipt :	2009.04.06 3:44 PM, EDT

It is suggested you Save and/or Print this response for your records.

GRANTS.GOV™

Grant Application Package

Opportunity Title:	Coastal and Marine Habitat Restoration Project Grants -
Offering Agency:	National Oceanic and Atmospheric Administration
CFDA Number:	11.463
CFDA Description:	Habitat Conservation
Opportunity Number:	NOAA-NMFS-HCPO-2009-2001709
Competition ID:	2141924
Opportunity Open Date:	03/06/2009
Opportunity Close Date:	04/06/2009
Agency Contact:	Craig Woolcott or Melanie Gange at (301) 713-0174, or by e-mail at Craig.Woolcott@noaa.gov or Melanie.Gange@noaa.gov. Prospective applicants are invited to contact NOAA staff before submitting an application to discuss

This electronic grants application is intended to be used to apply for the specific Federal funding opportunity referenced here.

If the Federal funding opportunity listed is not the opportunity for which you want to apply, close this application package by clicking on the "Cancel" button at the top of this screen. You will then need to locate the correct Federal funding opportunity, download its application and then apply.

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

*** Application Filing Name:** Highland Oaks Park Wetlands Restoration

Mandatory Documents

Move Form to Complete

Move Form to Delete

Mandatory Documents for Submission

- Application for Federal Assistance (SF-424)
- Project Narrative Attachment Form
- Budget Narrative Attachment Form
- CD511 Form
- Assurances for Non-Construction Programs (SF-42
- Budget Information for Non-Construction Program

Optional Documents

Move Form to Submission List

Move Form to Delete

Optional Documents for Submission

- Other Attachments Form
- Disclosure of Lobbying Activities (SF-LLL)

Instructions

1 **Enter a name for the application in the Application Filing Name field.**

- This application can be completed in its entirety offline; however, you will need to login to the Grants.gov website during the submission process.
- You can save your application at any time by clicking the "Save" button at the top of your screen.
- The "Save & Submit" button will not be functional until all required data fields in the application are completed and you clicked on the "Check Package for Errors" button and confirmed all data required data fields are completed.

2 **Open and complete all of the documents listed in the "Mandatory Documents" box. Complete the SF-424 form first.**

- It is recommended that the SF-424 form be the first form completed for the application package. Data entered on the SF-424 will populate data fields in other mandatory and optional forms and the user cannot enter data in these fields.

- The forms listed in the "Mandatory Documents" box and "Optional Documents" may be predefined forms, such as SF-424, forms where a document needs to be attached, such as the Project Narrative or a combination of both. "Mandatory Documents" are required for this application. "Optional Documents" can be used to provide additional support for this application or may be required for specific types of grant activity. Reference the application package instructions for more information regarding "Optional Documents".

- To open and complete a form, simply click on the form's name to select the item and then click on the => button. This will move the document to the appropriate "Documents for Submission" box and the form will be automatically added to your application package. To view the form, scroll down the screen or select the form name and click on the "Open Form" button to begin completing the required data fields. To remove a form/document from the "Documents for Submission" box, click the document name to select it, and then click the <= button. This will return the form/document to the "Mandatory Documents" or "Optional Documents" box.

- All documents listed in the "Mandatory Documents" box must be moved to the "Mandatory Documents for Submission" box. When you open a required form, the fields which must be completed are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message.

3 **Click the "Save & Submit" button to submit your application to Grants.gov.**

- Once you have properly completed all required documents and attached any required or optional documentation, save the completed application by clicking on the "Save" button.
- Click on the "Check Package for Errors" button to ensure that you have completed all required data fields. Correct any errors or if none are found, save the application package.
- The "Save & Submit" button will become active; click on the "Save & Submit" button to begin the application submission process.
- You will be taken to the applicant login page to enter your Grants.gov username and password. Follow all onscreen instructions for submission.

OMB Number: 4040-0004
Expiration Date: 01/31/2009

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission:
- [ ] Preapplication
- [x] Application
- [ ] Changed/Corrected Application

* 2. Type of Application:
- [x] New
- [ ] Continuation
- [ ] Revision

* If Revision, select appropriate letter(s):

* Other (Specify)

* 3. Date Received: Completed by Grants.gov upon submission.

4. Applicant Identifier:

5a. Federal Entity Identifier:

* 5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Miami-Dade County

* b. Employer/Taxpayer Identification Number (EIN/TIN): 596000573

* c. Organizational DUNS: 004148292

d. Address:

* Street1: 111 NW 1st Street, 29th Floor
Street2:
* City: Miami
County: Miami-Dade
* State: FL: Florida
Province:
* Country: USA: UNITED STATES
* Zip / Postal Code: 33128-1994

e. Organizational Unit:

Department Name: Park and Recreation Dept.

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: Ms.
* First Name: Joyce
Middle Name:
* Last Name: Denny
Suffix:

Title: Grants Administrator

Organizational Affiliation: Miami-Dade County Park and Recreation Dept.

* Telephone Number: 305-755-7878
Fax Number: 305-755-5466

* Email: jdenny@miamidade.gov

OMB Number: 4040-0004
Expiration Date: 01/31/2009

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

B: County Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

National Oceanic and Atmospheric Administration

11. Catalog of Federal Domestic Assistance Number:

11.463

CFDA Title:

Habitat Conservation

*** 12. Funding Opportunity Number:**

NOAA-NMFS-HCPO-2009-2001709

* Title:

Coastal and Marine Habitat Restoration Project Grants - Recovery Act

13. Competition Identification Number:

2141924

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Miami-Dade County and City of Aventura within Miami-Dade County

*** 15. Descriptive Title of Applicant's Project:**

Highland Oaks Park Wetlands Restoration Project at the headwaters of the Oleta River

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

OMB Number: 4040-0004
Expiration Date: 01/31/2009

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant: 18
* b. Program/Project: 17

Attach an additional list of Program/Project Congressional Districts if needed.

congressional_districts_MDC. | Add Attachment | Delete Attachment | View Attachment

17. Proposed Project:

* a. Start Date: 05/01/2009
* b. End Date: 10/31/2010

18. Estimated Funding ($):

* a. Federal	2,224,456.00
* b. Applicant	409,600.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	2,634,056.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- [ ] a. This application was made available to the State under the Executive Order 12372 Process for review on .
- [x] b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- [ ] c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

- [ ] Yes
- [x] No

Explanation

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

- [x] ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix:	Mr.
* First Name:	George
Middle Name:	M.
* Last Name:	Burgess
Suffix:	
* Title:	County Manager
* Telephone Number:	305-375-5311
Fax Number:	305-375-2362
* Email:	gburgess@miamidade.gov
* Signature of Authorized Representative:	Completed by Grants.gov upon submission.
* Date Signed:	Completed by Grants.gov upon submission.

Authorized for Local Reproduction

Standard Form 424 (Revised 10/2005)
Prescribed by OMB Circular A-102

Application for Federal Assistance SF-424 Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

Project Narrative File(s)

*** Mandatory Project Narrative File Filename:** Project_Narrative_Oleta_HO_MDC.pdf

Add Mandatory Project Narrative File | Delete Mandatory Project Narrative File | View Mandatory Project Narrative File

To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File | Delete Optional Project Narrative File | View Optional Project Narrative File

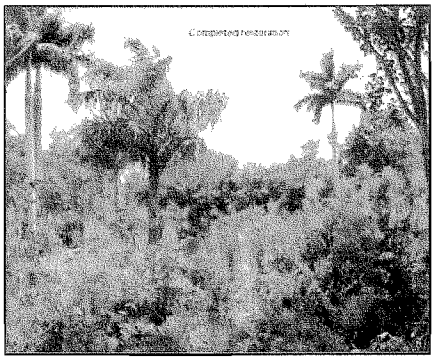
OLETA RIVER/HIGHLAND OAKS PARK WETLANDS RESTORATION PROJECT

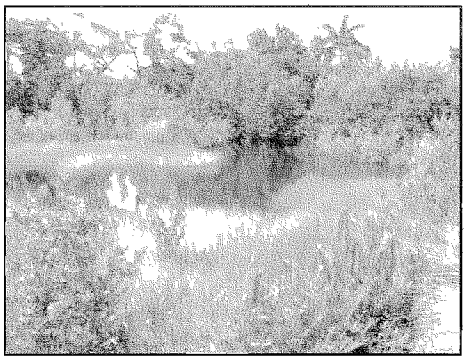
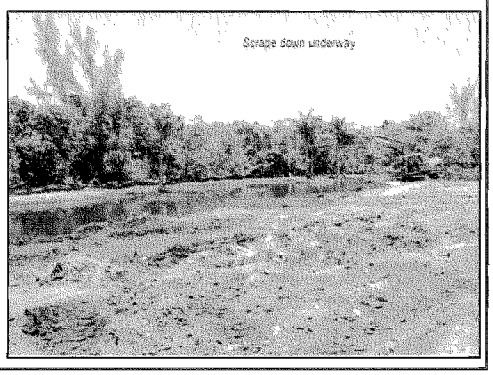
COASTAL AND MARINE HABITAT RESTORATION
PROJECT GRANTS - RECOVERY ACT
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
CFDA NO. 11.463

SUBMITTED BY
MIAMI-DADE COUNTY
PARK AND RECREATION DEPARTMENT

MIAMI-DADE COUNTY

APRIL 6, 2009



Oleta River/Highland Oaks Park Wetlands Restoration Project
Miami-Dade County Park and Recreation Department

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DETAILED BUDGET NARRATIVE *(On Budget Narrative Attachment Form)*

PROJECT SUMMARY

Application Organization: Miami-Dade County Park and Recreation Department

Project Title: Oleta River/Highland Oaks Park Wetlands Restoration

Site Location: Highland Oaks Park located at 20459 NE 24th Avenue, Miami, Florida 33180 in Miami-Dade County; Section 33, Township 51 South, and Range 42 East. Geographic coordinates for the center of the lake are: 25°58'04.24 North and 80° 09' 11.67 West.

Landowner: Miami-Dade County Park and Recreation Department owns and managed the land. Their administrative offices are located at 275 NW 2nd Street, 5th Floor, Miami, FL 33128-1794.

On-The–Ground Implementation Start Date: Implementation of the proposed project activities (specifically, the construction phase) is scheduled to begin -six (6) months after the execution of a funding agreement. All permits have been secured (attached).

Numbers and types of jobs created or maintained, labor hours and anticipated duration for each: Jobs required for implementation of the proposed project include: from the private sector: 15 Construction workers for twelve (12) months at 15,000 labor hours each. From the public sector: MDPR Landscape Architect 2 - 312 hours for 18 months; DERM Environmental Resource Projects Supervisor -780 hours for 18 months; MDPR Construction Manager 3 -156 hours for 18 months; MDPR Construction and Renovation Supervisor 1 – 2,340 hours for 18 months; MDPR Natural Areas Manager – 1,872 hours for 18 months; MDPR clerical staff (2) – 218 hours for 18 months (156 and 62); MDPR Contracts Specialist – 26 hours for six months; MDPR Construction Cost Estimator – 26 hours for 6 months; MDPR Administrative Officer 3 – 94 hours for 18 months; DERM Environmental Resources Projects Supervisor – 62 hours for 12 months

Coastal and Marine Habitat Benefits from the Project: Many South Florida ecosystems have been damaged considerably by development of natural lands in response to rapid population growth. One result has been a loss of biodiversity and habitat for wildlife and plant species listed as threatened or endangered. The proposed project will improve south Florida's coastal and freshwater wetlands including the restoration of additional habitat for diadromous fish such as pipefish and mullet through the removal of in-stream migration barriers. The Oleta River is the only remaining natural river in Miami-Dade County that can potentially provide the necessary low salinity environment to fulfill the life history habitat requirement for such important commercial and recreational fishery species.

Project Scope: The goal of this project is to enhance the hydrology of the northernmost portion of the Oleta River. Successful completion of the project will allow the tributary to flush daily

with tidal cycles at depths appropriate for diadromous fish. Objectives are to reconnect the tributary with the headwaters of the Oleta River and expand and enhance an existing native wetland habitat by removing invasive vegetation, planting and transplanting native vegetation, culvert replacement, maintenance dredging, and grading.

Project Outputs/Outcomes: Proposed outputs include: removal of approximately five (5) acres of exotic vegetation; installation and assessment of a new properly functioning 50 foot culvert (ongoing); dredging or excavating accumulated sediments from stream bed to achieve a -2.5 NGVD elevation; widening the existing streambed; transplanting native vegetation, as needed, to facilitate dredging and water flow; facilitating supplemental planting of native vegetation as needed; promoting environmental and project outreach and education via community volunteers for planting activities; conducting success monitoring of the project; and facilitating job retention for all project personnel, both County and contractual.

The completed project will provide the only freshwater tributary connection to Biscayne Bay that does not incorporate some form of flood control structure. Anticipated outcomes from restored connection to the Bay and surrounding wetland areas are: enhanced and additional diadromous fish habitat within the tributary; enhanced freshwater habitat for a variety of birdlife and reptiles; increased public awareness of the community's natural resources and community stewardship of the natural environment; and enhancements to the commercial and recreational fishing industry by providing additional habitat for important vertebrate and invertebrate species.

Project Time Line: All environmental permits have been obtained. All of the contract documents and construction documents have been finalized. Upon execution of the funding agreement, the contractor selection process (6-months) will be initiated. The construction contract will be bid and awarded with a one hundred and eighty (365) calendar day construction contract period. It is anticipated that a reimbursement request will be processed in November 2010.

Permits and Approvals: All required permits have been issued for the proposed project including approved permits from the South Florida Water Management District, U.S. Department of Defense Department of the Army, and Miami-Dade County Department of Environmental Resources Management (refer to Attachment 1).

Federal Funds Requested: $2,224,618

Non-Federal Match Anticipated: $409,600

Overall Project Cost: $2,634,218

PROJECT NARRATIVE

Miami-Dade Park and Recreation Department respectfully requests federal recovery funds from the National Oceanic and Atmospheric Administration (NOAA) in the amount of $2,224,618 to facilitate completion of the proposed shovel-ready *Oleta River/Highland Oaks Park Restoration* project which aims to re-establish the hydrology of the northern portion of the tributary at the headwaters of the Oleta River.

Background

The Oleta River is the only natural river in Miami-Dade County that has not been dammed for flood water control. The headwaters of the Oleta River are located within Highland Oaks Park in Northeast Miami-Dade County. Historic aerial photography indicates that this tributary once extended further west; however, Highland Oaks Park is now the last remaining segment of this natural tributary in Miami-Dade County. The existing feature is approximately eight (8) meters across and connects at the northernmost section to a manmade lake. The overall length of the River within the park is approximately 1,100 meters. The tributary or stream is sub-divided into a freshwater and slightly brackish water system by a nonfunctioning pipe culvert that facilitates water flow only during and after heavy rains events. As a result of this defunct culvert, the northern portion of the tributary, generally isolated from tidal flow, is experiencing a substantial build-up of sediments causing it to dry up for the majority of the year.

The proposed fully permitted project for which NOAA funds are requested, is Phase 4 of a four (4) phase restoration project. Phases 1 and 2 are completed and represent separate mitigation projects not included in the approved permits for the project proposed in this application. Work associated with Phase 3 (also referred to as Reach 3) has just begun and includes activities described within Reach 3 of the proposed project and applicable permits. Construction activities for Phase 3 (Reach 3) began on 1/13/09 and are anticipated to be completed on 5/8/09. Costs in the amount of $409,600 associated with Phase 3 are shown as a voluntary match for the proposed project.

Previous mitigation work conducted during Phases 1 and 2 in the surrounding wetland areas (see map on Attachment 2) at Highland Oaks Park will complement the restoration activities of this proposed project. During Phase 1, 2.4 acres of wetlands were restored along the river bank. An additional 3.2 acres were restored during Phase 2. Prior to mitigation, the site was primarily a disturbed tidal wetland dominated by the invasive exotic trees Australian pine (*Casurina equisetifolia*) and Brazilian pepper (*Schinus terebinthifolius*) located on the west bank of the Oleta River. The mitigation plan involved the clearing of exotic woody species, followed by excavation that transformed the property into a mixture of low marsh community and preserved islands of natural vegetation, as well as marginal transitional areas. A total of 21,031 native specimens were planted within this new marsh community including: black needle rush (*Juncus*

roemerianus), spike rush (*Eleocharis spp.*), lance-leaf arrowhead (*Sagitaria lancifolia*), and others as documented in the Seventh Quarterly Monitoring Report prepared by Consulting Engineering & Science, Inc. (available upon request). During construction and under the direction of the Department of Environmental Resources Management (DERM), a small, 600 sq ft deep cut to -2.0 ft NGVG was made to enhance the hydrologic flow between the Oleta River and the mitigation sites. With the obtainment of additional permit modifications, the channel cut through the natural river shoreline ridge was added, further enabling the goals of the proposed project to be successfully achieved.

IMPORTANCE AND APPLICABILITY

This shovel ready coastal and marine habitat restoration project will provide direct short-term (12 months) construction opportunities in the local economy, indirect long-term economic benefits to the commercial fishing industry, and indirect long-term recreational benefits through enhanced fishing, kayaking, and canoeing opportunities. The proposed restoration project will enhance the commercial and recreational fishing industry by providing additional habitat for important vertebrate and invertebrate species.

Jobs required for implementation of the proposed project include: 15 Construction workers for twelve (12) months at 15,000 labor hours each (from the private sector). From the public sector: MDPR Landscape Architect 2 - 312 hours for 18 months; DERM Environmental Resource Projects Supervisor -780 hours for 18 months; MDPR Construction Manager 3 -156 hours for 18 months; MDPR Construction and Renovation Supervisor 1 – 2,340 hours for 18 months; MDPR Natural Areas Manager – 1,872 hours for 18 months; MDPR clerical staff (2) – 218 hours for 18 months (156 and 62); MDPR Contracts Specialist – 26 hours for six months; MDPR Construction Cost Estimator – 26 hours for 6 months; MDPR Administrative Officer 3 – 94 hours for 18 months; DERM Environmental Resources Projects Supervisor – 62 hours for 12 months

During FY 2007-2008, Miami-Dade County underwent a $212 million dollar reduction in expenditures as a direct result of property tax relief legislation adopted by the Florida State Legislature in June 2007 (Manager's Budget Message, MDC 2007-08 Adopted Budget). Additional reductions to ad valorem revenues of more than $396.769 million resulted from FYs 2007-08 to FY 2008-09. While a total 963 positions were cut from the County's adopted budget during FY 2008-09, 95 employees actually lost their jobs. The County was able to responsibly "pipeline" 868 employees into other job vacancies with equivalent or similar credential pre-requisites; many were in fact demotions. The Park and Recreation Department eliminated a total of 72 positions at an estimated $33,000/person without fringe. The Department of Environmental Resources Management eliminated a total of 6 positions, all of which were from the Natural Resource Protection division. Along with these job eliminations, many County departments saw service reductions as well. The County's fiscal climate for FY 2009-10 is

expected to cause far greater job losses than previously experienced since most job vacancies have already been filled. Requested personnel and fringe costs in the amount of $299,934 are intended to retain specific jobs required for successful project implementation of the proposed project through the FY 2009-10. Requested personnel costs is equivalent to an estimated 7 jobs that will be saved from elimination during FY 2009-2010.

The proposed restoration project directly supports NOAA's mission to protect and restore marine and coastal habitats based on the significance of the anticipated ecological benefits. As a result of the proposed effort, a total of five (5) acres of wetland habitat will be restored at the headwaters of the Oleta River. Re-establishing the hydrology of the northern portion of the tributary and reconnecting it to the Oleta River will bring substantial benefits to existing flora and fauna within the area while also creating new habitat for diadromous fish utilizing these waters. Fish species documented to use the Oleta River at the neighboring Oleta River State Park and those likely to use the tributary upon restoration include: sheephead (*Archosargus probatocephalus*), snook (*Centropomus undecimalis*), mojarra (*Gerres cinereus*), pinfish (*Lagodon rhomboids*), tarpon (*Megalops atlanticus*), striped mullet (*Mugil cephalus*), and pipefish (*Syngnathus scovelli*), all of which utilize both marine and brackish waters and two (2), pipefish and striped mullet, are diadromous species that are also found in freshwaters. A species of special concern (SSC) among this list is the snook. Both the tarpon and the mullet are recreationally significant.

Endangered (E), threatened (T), and/or species of special concern (SSC) sighted at Oleta River State Park and likely to use wetland habitat at Highland Oaks Park include: gopher tortoise (*Gopherus polyphemus* - T); red rat snake (*Elaphe guttata* - SSC); osprey (*Pandion haliaetus* – SSC); reddish egret (*Egretta rufescens* – SSC); snowy egret (*Egretta thula* – SSC); and peregrine falcon (*Falco peregrines* – E). A complete list of animal sightings at Oleta River State Park is attached (Attachment 1).

The project has received demonstrated support from its various organizational partners, including state, federal, and local entities, as evidenced by their letters of support (Attachment 2) and/or past and current financial contributions to the restoration project. Among these local supporters include Oleta River State Park, located approximately three (3) and one half miles from the proposed restoration site. The Oleta River has been identified as a "Blueway" and is envisioned to be a designated paddling trail. The restoration activities taking place within the park enhance its value as a destination and as a trailhead.

TECHNICAL/SCIENTIFIC MERIT

Proposed objectives are to reconnect a tributary with the headwaters of the Oleta River, and expand and enhance an existing native wetland habitat through restoration activities that include: invasive vegetation removal, native vegetation planting and transplanting, culvert replacement,

maintenance dredging, and grading. Upon project completion, the tributary will flush daily with tidal cycles appropriate for diadromous fish.

Proposed outputs for the proposed project are provided as follows:

Outputs	**Performance Measure**
Removing approximately five (5) acres of exotic vegetation	As-built drawings
Assess functioning of newly installed 50 foot culvert	Stream miles made available to diadromous fish Types of fish sighted after project completion
Dredge or excavate accumulated sediments from stream bed to achieve an elevation goal of -2.5 NGVD	Volume of removed sediment (verified by as-built drawings) New elevation of stream (as-builts)
Expand width of existing streambed	# of feet expanded (as-builts)
Transplant native vegetation, as needed, to facilitate dredging and water flow	# of plants transplanted
Plant supplemental native vegetation along the edges of the stream bed and surrounding areas as needed	# of native plants planted
Promote environmental outreach by utilizing community volunteers for planting activities	# of volunteers # of plants planted by volunteers # of volunteer planting events
Conduct success monitoring of project after completion	Date of each monitoring event # of photo stations % of cover % of survivorship (minimal 80% goal)
Expanding recreational opportunities provided by restoration	Document changes in recreational angling use

Project outcomes are provided below:

Outcomes	**Type**
Enhancing diadromous fish habitat within the tributary by creating additional wetlands	Long-term monitoring
Enhancing freshwater habitat for a variety of birdlife and reptiles	Short-term
Raising public awareness of the community's natural resources and further developing environmental community stewardship	Short-term

among park users and volunteers	
Enhancing the commercial and recreational fishing industry by providing additional habitat for important commercial, recreational vertebrate and invertebrate species	Long-term
Facilitating job retention for up to 11 positions during FY 2009-10	Short-term

Jobs Created or Maintained by NAICS Code

Code	**Business Activity**	**Labor Hours**	**# of People Employed on Grant Activities**	**Grant Funds Allocated to the Business Activity**
1794	Construction	15,000	15	1,496,682
8711	Engineer	1,250	2	142,971
541990	All other Professional, Scientific and Technical Services	5,886	11	233,092
Total Requested Grant Funds by NAICS				1,872,745

Implementation Plan

Miami-Dade County Park and Recreation Department is scheduled to begin implementation of the proposed restoration project within six (6) months of execution of the funding agreement. The project will be completed within 18 months with the initial six (6) month period allocated for bid and award and the balance of twelve (12) months for construction. All required environmental permits have been obtained and are provided with this application (Attachment 1).

To better describe the scope of work for the project, the stream bed was divided and categorized into four (4) Reaches beginning at the north project limits (please see attached site plan). The scope of work, as presented in permits, also includes a separate Lake Bank Section. Each Reach represents a separate phase of work within the overall restoration project of which only Reach 3 has recently begun. Funded expended in the amount of $409,600 are shown as a voluntary match for the proposed project. Descriptions and proposed activities for each Reach are provided below with target dates.

Reach 1: This section is located on the North end of the stream, where the stream begins at the lake and meanders west and south through an existing wetland marsh. The tributary bisects the wetland and is generally a foot deeper and approximately 20-25 feet wide. Wetland elevations in

this section typically range from +0.5 to +1.5 NGVD (National Geodetic Vertical Datum). Large, deeper areas within this section of the wetland currently support the exotic torpedo grass (*Panicum repens*) and the nuisance cattail (*Typha domingensis*), exotics typically found at elevations above +1.0 NGVD. Remaining areas with lower elevations are dominated by the native desirable spike rush (*Eleocharis cellulose*), typically found in at elevations ranging from +0.2 to +0.9 NGVD. Deeper areas support waterlilly (*Nymphaea odorata*) and other native aquatic vegetation. Proposed activities within Reach 1 include:

- Removal of invasive exotic species. This will be accomplished twofold: removal with heavy equipment and with herbicide (when in close proximity to natives) by trained licensed professionals. (Months 3-5)
- Excavating the tributary to an elevation of -2.5 NGVD using a clam shell bucket extended from the upland (*6-months*)
- Scraping down areas of higher elevations (>+.09 NGVD) within the wetland to +0.5 to achieve desired vegetative stratum (*6-months)*
- Upon completion of excavation, planting of natives such as black needle rush, marsh grass, leather ferns and spike rush installed on two (2) foot centers (*Months 9-12*).
- All contract planted material will have a one year survival guarantee, and all restored areas will be monitored for success for a period of five years. Genetic integrity will be stressed in the all contract documents. (Months 12-24)
- Maintenance of the restored site will be maintained in perpetuity by professional with Miami-Dade County Natural Areas Management staff. (12-perpetuity)

Reach 2: This section, located just south of Reach 1, is virtually dry throughout the majority of the year. As a result of sedimentary, the tributary here has been reduced to a muck wetland, approximately 25 to 30 ft. in width, supporting native leather fern (*Acrostichum danaeifolium*) and arrowhead, and surrounded by large specimens of pond apple (*Annona glabra*). This section contains an overhead of desirable native vegetation. Proposed activities within Reach 2 include:

- Removal of invasive exotic species. This will be accomplished twofold: removal with heavy equipment and with herbicide by trained licensed professionals (in close proximity to natives). (Months 3-5)
- Excavating the mucky wetland sediment down to -2.5 in order to continue elevation and shape of the excavated stream bed in Reach 1) (*Months 3-12*)
- Cutting down slopes to a 2.5:1 slope (*Months 2-9*)
- Making adjustments to project design plans, as needed, during construction to avoid impacts to large trees and other desirable native vegetation (*Months 3-9*)
- Utilizing a section dredge during the rainy season, or when area is inundated with water, to reduce impacts to overhead native species. (Alternative action involves using a claim bucket from upland and trimming pond apples to gain access). (*Months 3-9*)

- Transplanting native vegetative specimens to the adjacent wetlands until final elevation is reached (*Months 1-3*)
- Upon completion of excavation, planting of natives such as black needle rush, marsh grass, leather ferns and spike rush installed on two (2) foot centers (*Months 9-12*).
    - All contract planted material will have a one year survival guarantee, and all restored areas will be monitored for success for a period of five years. Genetic integrity will be stressed in the all contract documents. (Months 12-24)
    - Maintenance of the restored site will be maintained in perpetuity by professional with Miami-Dade County Natural Areas Management staff. (12-ongoing)

Reach 3 (Applicant Match): Work proposed within this Reach, located on the east end of Reach 2 and the northwest end of Reach 4, has begun and is provided as a matching contribution to the proposed project. Environmentally sensitive trees are not present in this section. Proposed activities within Reach 3 include:

- Excavating 180 feet of upland to produce a 120-foot section of new stream bed and 60-foot section of box culvert (*ongoing*)
- Excavating sediments in the existing stream bed continuing the shape and structure of the desired elevation of -2.5 NGVD (*ongoing*)
- Installing a wooden fence around the stream bed to provide safety precautions for children utilizing the adjacent playground (*ongoing*)
- Replacing a non-functioning culvert with a new 50-foot culvert with an effective diameter of 72 *(ongoing*)
- Utilizing a clam bucket to facilitate excavation (*ongoing*)
- Relocate existing utility guy wires and water fountain (with minor plumbing) (*ongoing*)
- Upon completion of excavating, planting spike rush and arrowhead on 1 foot centers along the edges of the stream bank (*ongoing*)

Reach 4: This section of the stream, located on the southeast end of Reach 3 and connecting with mitigation areas completed within Phase 2, is inundated during the entire year and is hydrologically connected to the Biscayne Bay. Overhead canopy is present throughout majority of this section. Native uplands and some hardwood hammock species exist on the north side of the stream bed. Proposed activities within Reach 4 include:

- Removal of invasive exotic species. This will be accomplished twofold: removal with heavy equipment and with herbicide (when in close proximity to natives) by trained licensed professionals. (Months 3-5)
- Excavating sediments from the streambed to an elevation of -2.5 NGVD to match other excavated areas (*Months 3-9*)
- Transplanting (or replacing) portions of upland trees as necessary to facilitate construction activities (*Months 1-3*)

- Upon completion of excavation, planting of natives such as black needle rush, marsh grass, leather ferns and spike rush installed on two (2) foot centers (*Months 9-12*).
- All contract planted material will have a one year survival guarantee, and all restored areas will be monitored for success for a period of five years. Genetic integrity will be stressed in the all contract documents. (Months 12-24)
- Maintenance of the restored site will be maintained in perpetuity by professional with Miami-Dade County Natural Areas Management staff. (12-perpetuity)

Lake Bank Section: This section is located at the western perimeter of the lake and is currently supporting large stands of invasive cattails at an elevat*ion greater* than +1.0. The lake is a man-made feature, created in the late 1980's. Proposed activities within this section include:

- Scraping down the section to an elevation of +.05 NGVD to support native vegetation and extend the littoral shelf of the lake (*Months 9-12*)
- Upon completion of scrape down, planting spike rush, giant bulrush, arrowhead, and soft rush (Juncus effuses) on 2 foot centers (*Months 9-12*)

Fill generated from the scrape down was originally planned to be stages/removed to a location adjacent to the project site. Upon careful consideration and extensive dialogue with engineers from Consulting Engineering & Science, Inc. it was determined that relocating the fill into the lake would result in greater ecological and wildlife benefits. The lake is approximately 20 feet deep and not sufficiently adept for wetland-dependent fish and animal species. Depositing all dredged material into the lake would substantially enhance the diadromous fish and freshwater wildlife habitat within the lake.

Conservation measures or techniques that promote best practices will be utilized throughout project implementation to ensure that no or minimal impacts are made to adjacent resources to the maximum extent practicable. These include: utilization of turbidity curtains, silt fences, and/or other erosion control devices; root pruning and transplanting; trimming; supplemental planting; ongoing monitoring and maintenance; and obtaining additional permits where necessary. Prior to depositing dredged material into the lake, silt fences will be installed to completely encapsulate the pit to ensure minimal impact to surrounding wetland habitat. Turbidity curtains will be installed in the pit surrounding the areas that will receive the dredged material. As per conditions set forth by the DERM permit, no work will commence until DERM staff has inspected and approved the installation. Prior to work commencement, an E.P.A NPDES permit will be applied for by the contractor utilizing a Storm Water Pollution Prevention Plan. All removed and/or relocated mangroves will be flagged by the contractor, and then inspected and approved by staff from DERM's Coastal Resources Section. The County Archeologist will be present during critical times or when excavations begin in different areas. Findings that would create schedule conflicts are not anticipated.

A qualified biologist will actively monitor the site for the presence of endangered and threatened species. A monitoring and maintenance plan will be utilized by NAM to maintain exotic/nuisance vegetation at a rate less that 5%, as conditioned by the DERM permit, and document the survivorship of planted materials and native recruitment. Plan implementation will occur semi-annually for the first year and annually for the following four (4) years.

Success monitoring will be conducted for a five year period by engineers from Consulting Engineering & Science, Inc. The success monitoring will consist of randomly located transects, utilizing the line intercept methodology, within 1 sq. m fixed grids, every 10 m along the transect lines. The following detailed observations will be recorded quarterly (or every three (3) months) at each monitoring grid: species, and plant height. The following detailed information will be recorded along each transect: number of individuals planted, date of planting, number of plants surviving from the initial planting, explanations if survivorship is trending toward failure, and photographs from locations referenced in the baseline showing location and direction of the camera.

OVERALL QUALIFICATIONS OF APPLICANT

The restoration site is located within a public park owned and managed by Miami-Dade County Park and Recreation Department (MDPR). MDPR maintains and programs more than 250 parks, including recreation facilities, natural areas, and greenway areas; and it provides park and recreation services to a resident population of nearly two million. Approximately 25 million people use MDPR parks, attend events and participate in MDPR programs each year. A three (3) time winner of the National Gold Medal for excellence in park and recreation administration and the only municipal park system its size to be awarded National Accreditation from the Commission on Accreditation of Park & Recreation Agencies, MDPR is one of the busiest and largest leisure service agencies in the United States. MDPR's Construction Services Section, the division whose responsibility will be to implement and oversee the proposed project, is responsible for management of bid and award and actual construction for all MDPR projects up to 2.5 million dollars.

The restored area will be protected in perpetuity in accordance with Miami-Dade County's Natural Areas Management Plan and Comprehensive Development Master Plan and under the restoration management team of the Natural Areas Management (NAM) division within MDPR. NAM's mission is to restore and manage the County's naturally occurring plant and animal communities through resource management, inter-governmental environmental liaison, and community outreach including environmental education and volunteer programming to preserve these areas for present and future generations of South Floridians.

NAM was established in 1991 to initiate active management of the natural areas under its jurisdiction. Currently, NAM has 62 employees and six (6) field crews comprised of biologists, administrative personnel, and one (1) GIS professional. Since 1993, NAM's crews have spent more than 650,000 person-hours on habitat restoration, restored over 2,000 acres of native forest and wetlands, and are responsible for the protection, conservation, and maintenance of approximately 5,447 acres of environmentally sensitive or threatened natural areas occurring within MDPR's 12,000-acre park system. NAM's restoration efforts have received state and national recognition.

The Florida Chapter of The Nature Conservancy awarded NAM its 1997 Public Service Award. NAM received the 1997 Ecosystem Restoration Award from the Florida Urban Forestry Council for innovative techniques in forest recovery, preservation, and management. Also in 1997, Secretary of the Interior Bruce Babbitt presented NAM with its Community Environmental Restoration Award. In 2001 and 2002, NAM received a total of three awards from the Florida Native Plant Society for excellence in ecosystem restoration.

Since 1988, Miami-Dade County's Department of Environmental Resource Management (DERM), a partner and project collaborator on this project, has restored and enhanced approximately 122 hectares (300 acres) of coastal wetlands on public lands. Major wetlands restoration efforts have been conducted by DERM at the following sites: Cape Florida State Park, Oleta River State Park, Highland Oaks Park, North Virginia Key Preserve, Bear Cut Preserve, Florida International University (Biscayne Bay campus), and Chicken Key Bird Rookery (Milano, 1999a, 1999b, 2001). DERM has also created wetlands on dredge filled islands in north-central Biscayne Bay (Milano, 2000). Additionally, DERM has created or restored over 24 hectares (60 acres) of maritime hammock at public parcels throughout Biscayne Bay. Island restoration and enhancement activities are underway to stabilize eroding shorelines, restore historical dune communities and wetlands, eradicate exotic vegetation, and create wetlands, dune, coastal strand and tropical hardwood hammock communities. DERM has successfully completed habitat restoration on 18 islands in Biscayne Bay. Four (4) habitat types (dune, coastal strand, tropical hardwood hammock, and wetlands), consisting of approximately 90 species, have been established on natural and dredge spoil islands. Dune/strand species have been planted at 15 islands and tropical hardwood hammock communities have been established on seven dredge spoil islands in Biscayne Bay (Milano, 2000).

The contracted consultant engineering firm, Consulting Engineering & Science, Inc., is a full service engineering firm that provides professional services in the areas of civil engineering, coastal engineering and the environmental sciences. Their civil engineering services encompass all aspects of site development including paving, grading, and drainage plus water and sewer utilities for a variety of both residential and commercial projects. Their coastal engineering services include the planning and design of coastal and marina facilities. Typical projects

include shoreline revetments, breakwaters, seawalls, bulkheads, moorings and various types of recreational and commercial marina facilities. Their environmental sciences services include the planning and implementation of environmental impact and assessment projects of all types for both terrestrial and aquatic ecosystems. These include site selection and evaluation studies; impact assessment reports; water quality studies; mitigation design and implementation; field monitoring during construction; and, post operational studies.

PROJECT COSTS

Federal recovery funds from NOAA in the amount of $2,224,618 are requested to facilitate completion of the proposed shovel-ready *Oleta River/Highland Oaks Park Restoration* project. Funded expended for Phase 3 activities already begun in the amount of $409,600 are shown as a voluntary match for the proposed project. A budget narrative and detailed budget are provided on the appropriate Budget Justification attachment within this application.

OUTREACH AND EDUCATION

Miami-Dade County has a strong commitment to increasing the public's understanding of our natural resources and how to protect them now and into the future. The DERM coastal habitat restoration program encourages volunteer planting projects, which help students and adults learn about ecosystems through hands-on experience. The proposed project will involve organizing volunteers to plant coastal strand and freshwater vegetation at this proposed restoration site. Volunteers may also be recruited through Miami-Dade County's "Adopt-a-Natural Area" program which promotes citizen volunteers to assist in forest and park management activities. NAM and the Environmentally Endangered Lands (EEL) program within DERM hold approximately 20-25 workdays between September and May each year in which citizens learn of the importance of native habitats and their restoration.

Highland Oaks Park provides a variety of recreational activities and programs to citizens of all ages, with a particular emphasis on school-age children. The developed portion of the park contains a baseball/soccer/football overlay (used primarily for baseball), batting cages, a sand volleyball court, restrooms, parking lot, administrative offices, and lit walkways. Highland Oaks Park provides an after school program with an average attendance of 60 per day, seasonal camps (summer, spring, winter, and 1 day camps), sports development program, Teen program, youth soccer, and youth softball/baseball. The natural areas are integrated into the program by taking the participant children on nature walks, where they learn about the animals, plants, and ecological differences that characterize wetlands. The wetlands also provide scenery for over 100 homeowners from the adjacent neighborhood who use the walking path surrounding the wetland area.

The park's adjacent proximity to two (2) schools (Highland Oaks Elementary and Middle Schools) makes this park an integral place for youth within the Aventura community. MDPR

will recruit participant students and their families for participation in all project related volunteer planting and outreach activities. Educating community residents on the importance of the natural wetland areas that surround them each day will raise public awareness on conservation and develop a greater sense of environmental stewardship within the community.

MDPR currently offers an Oleta River Kayak and Historic Oleta River Canoe Treck Eco-Adventures tour on the Oleta River. Completion of the proposed restoration project could potentially expand and enhance these tours to include the project site while also educating participants on the project's restoration efforts.

If funded, a synopsis of the proposed wetland restoration project will be highlighted in the County's new Recovery website at http://www.miamidade.gov/recovery/. The project will also be highlighted on the County's "What's New" e-newsletter and MDPR's "Parklife" quarterly magazine.

Attachment 2
Supplemental Information

OLETA RIVER HEADWATERS RESTORATION

MIAMI-DADE COUNTY

PROJECT VICINITY MAP

T-51S, R-42E,S-33

DRAWN BY: DMP	DATE: 03/26/2009
CHECKED BY:	SCALE: AS SHOWN

OVERVIEW OF OLETA RESTORATION PROJECTS AT HIGHLAND OAKS PARK

HIGHLAND OAKS PARK
20300 N.E. 24TH AVENUE
MIAMI, FLORIDA

NORTH

NO SCALE

LEGEND

COMPLETED RESTORATION SITES (5.6 acres +/-)

PHASE 4 RESTORATION SITES (2 acres +/-)

Highland Oaks Park
HIGHLAND OAKS ELEMENTARY
HIGHLAND OAKS MIDDLE SCHOOL
123302-019 BRIDGE
North west side
123302-022 FRESHWATER LAKE (ACRES)
6 acres
123302-020 COASTAL WETLAND (ACRES)
Wetland
123302-014 TOTLOT (MEDIUM)
Located back of park across from school
123302-013 TOTLOT (MEDIUM)
Located next to other totlot
123302-023 FRESHWATER MARSH (ACRES)
4 acres
123302-016 BASEBALL / FOOTBALL /SOCCER OVERLAY - NO LIGHTS
Primary use baseball, secondary use soccer
123302-012 BATTING CAGE(S)
Located near ballfield
123302-001 RESTROOM
Inside Equipment Storage Bldg.
123302-002 RECREATION CENTER-(SMALL<5000 SF)
House
123302-029 RESTROOM
Located inside recreation building
123302-025 PARKING SPACES, STANDARD
Parking Lot
123302-027 PARKING SPACES, HANDICAPPED
Parking Lot
123302-032 PATHWAY-LIGHTED (MILES)
Walkway Lighting-Light Poles
123302-026 PARK SIGN
Electrical sign located south of soccer field
123302-024 PARK PERIMETER FENCE
N
MIAMI-DADE COUNTY
PARK AND RECREATION DEPARTMENT
FACILITY-ASSET INVENTORY AERIAL

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KEY PROJECT PERSONNEL BIOS

KAREN CHENEY, RLA
Co-Project Manager / Landscape Architect
Miami-Dade County Park and Recreation Department

Karen Cheney is a Registered Landscape Architect in the State of Florida (LA #6666828) whose employment with Miami-Dade County Park and Recreation Department begun in July 1993. Ms. Cheney received her Bachelor of Arts Degree from Longwood College in Farmville, Virginia and her Master of Landscape Architecture degree from Florida International University in Miami, Florida. She is a member of the American Society of Landscape Architects. She the Park and Natural Resources Interest Chair for the FRPA District VII Board – Park and Natural Resources Interest Chair from 1999-2001. She also served on the Landscape Architecture Program Advisory Board at the Florida International University School of Architecture from 2004 – 2007. She was the recipient of the ASLA Florida Chapter Award of Excellence for Virginia Key Beach Parks and Blueways in 2002.

In her position with MDPR, she has managed numerous Environmental Restoration projects including:

- Wetland Planting at Country Lake Park – design and project management
- Upland and Wetland Planting to support CERP XLER8 Project at Charles Deering Estate – design and project management
- Hydric Hammock at Matheson Hammock Park – design and project management
- Dune Restoration at Haulover Park – design and project management
- Freshwater Wetland Improvements at Biscayne Gardens Park – design and project management
- Lake Bank Stabilization at Country Club of Miami – design and project management
- Rockland Hammock at Camp Owaissa Bauer – design and project management
- Oleta River Restoration project(s) at Highland Oaks Park – project management

She also managed waterfront recreation projects with environmental components as follows:

- Beachfront Promenade at Haulover Park – Project Manager
- South Addition at Charles Deering Estate – Project Manager
- Bear Cut Boardwalk at Crandon Park – Project Manager

Mc. Cheney has lead project management and design efforts for the proposed project since its inception. Her qualifications and extensive knowledge-base of the proposed project makes her well suited as Project Director for the proposed project.

GARY R. MILANO
Co-Project Manager / Coastal Habitat Restoration Coordinator
Miami-Dade County Dept. of Environmental Resources Management (DERM)

Mr. Milano earned a Bachelor of Science (Zoology) Degree from the University of Florida, and a Master's Degree in Marine Biology and Coastal Zone Management, from Nova Southeastern University. Mr. Milano has published technical papers on coastal habitat restoration and marine fishery population dynamics.

Mr. Milano started his career with the South Carolina Department of Natural Resources working on a National Oceanic and Atmospheric Administration (NOAA) marine resources monitoring, assessment and prediction program, and went on to work as a fisheries biologist for the Florida Department of Natural Resources, Florida Marine Research Institute from 1974-1979.

Mr. Milano is presently the Coastal Habitat Restoration Coordinator for the Miami-Dade Department of Environmental Resources Management (DERM). He has successfully completed over 50 habitat restoration

efforts during his 28 years with DERM. He has coordinated the restoration of over 500 acres of wetlands, 150 acres of coastal strand and dune community, 150 acres of tropical hardwood hammock, and 22 islands in Biscayne Bay. His commitment and enthusiasm has enabled him to gather widespread government and public support, and participation from the community for his program.

JOHN R. GUTTMAN, P.E.
Principal Consultant Engineer
Consulting Engineering & Science, Inc.

Mr. John R. Guttman is the designated Consultant Engineer for the proposed project, as selected through an RFQ process. He is a Florida licensed Professional Engineer and Certified Environmental Inspector. He received a Bachelor of Science degree in Biology in 1967, a Bachelor of Science degree in Civil Engineering in 1971, and a Master of Science degree in Environmental Engineering in 1972, all from Marquette University in Milwaukee, WI.

Mr. Guttman has extensive experience in all areas of civil, coastal, environmental, sanitary and utility engineering. He has been responsible for studies, designs and preparation of construction documents for numerous water and wastewater collection, transmission and treatment systems including a wide variety of site development projects containing paving, grading and drainage improvements. He has been extensively involved in the planning, permitting, design and construction of a wide variety of both private and public coastal projects.

He also has extensive experience in biological and environmental investigations leading to the preparation of a wide variety of impact and assessments reports. He has planned and implemented detailed field investigations, site inventories and sampling programs for a variety of residential, commercial and industrial projects throughout south Florida. He has also prepared engineering and feasibility reports including hazardous waste assessments and obtained a variety of permits from local, State, and Federal agencies.

In addition to his administrative duties as an officer of the firm, Mr. Guttman personally oversees all environmental planning projects which the firm undertakes. He maintains a close personal working relationship with the staffs of all environmental permitting agencies to facilitate a strong and creditable presence in sensitive permitting matters.

He has been personally responsible for the preparation of over 20 Development of Regional Impact Reports (DRI's) and Environmental Impact and Assessment Reports (EIAR's) including over 100 environmental site assessments. For the past twenty years, he has been extensively involved in the planning, permitting and design of recreational facilities and marinas.

ALÍCE WARREN, PH.D.
Biologist/Natural Resources Manager
Natural Areas Management, Miami-Dade County Park and Recreation Department

Dr. Alice Warren has been a key contributor to the restoration of natural areas in Miami-Dade since she began her employment with Miami-Dade County Park and Recreation Department in 1993. She served as Natural Resources Manager and Environmental Education Coordinator at the Deering Estate at Cutler for nearly 16 years before transferring to the Natural Areas Management division in June 2008.

She received a Ph.D. in Biology from Florida International University in 2008. Both her Master of Arts degree in Geography (Natural Resources Management) and her Bachelor of Arts degree in Interdisciplinary Environmental Studies were earned from the University of Florida in the early 90's. She graduated summa cum laude from Manatee Community College in 1987 and received her Arborist Certification from the International Society of Arboriculture in 2001.

County projects to which she has contributed include: Chicken Key Bird Rookery – island restoration; Deering Estate Demonstration Coastal Saltmarsh creation; Cutler Slough / Deering Flow Way rehydration; Cutler weir installation; reconstruction of historic Keyhole Boat Turning Basin; relocation of large native trees (including 60' Royal palms); arboricultural care for plant resources and treatment for historic Tequesta burial mound Live oak (*Quercus virginiana*); Management Plan, Master Plan and Resource Treatment and Site Plan; and Deering Estate Interdisciplinary Web-based Middle School Curriculum.

Between 1992 and 1994, she served as Assistant Director of Programs with Caribbean Conservation Corporation in Gainesville, Florida, where she participated in the following projects: Green turtle research activities in Tortuguero, Costa Rica; Miskito Coast Protected Area Project in northeastern Nicaragua; and Paseo Pantera Project: western Caribbean. Between 1993 and 1996, she served as Ecotour Conductor with Explorations, Inc., in Bonita Beach, Florida, where she guided one to two week duration ecotours for small groups through natural resource zones of tropical regions of Costa Rica and the Peruvian Amazon.

JAY FORNI
Construction Manager 3
Construction Services Section, Miami-Dade County Park and Recreation Department

Mr. Jay Forni is a State Certified General Contractor, License Number CGC042092. The Construction Services Section facilitates construction management for construction projects. Mr. Forni has been involved in the management of a variety of projects such as new construction, building renovations, site improvements, athletic fields, sports courts, lighting projects, drainage projects, and environmentally sensitive projects (i.e. Hardy Matheson Park Roadway, Improvement Mitigation, Deering Weir at Cutler Creek, Chitohatchee Park Development, and Deering South Improvements at C-100 Canal). His employment duties include: Project Plan review and site visits, for constructability; Estimating project construction costs; Preparation of bidding documents and detailed scopes of work for all projects; Coordination and processing of RFI's during bidding and construction process; Coordination of all Preconstruction activities; Managing the construction process with consultants and contractors from beginning to completion; Change order review and processing throughout the project; Quality assurance from beginning of construction period through closeout; Contractor payments, requisitions, change orders, warranties, etc.

DANIEL F. CRAWFORD
Construction & Renovation Supervisor 1
Construction Services Section, Miami-Dade County Park & Recreation Department
Design and Construction Division

Daniel F. Crawford has been employed with the County for 35 years. Since then he has worked on numerous Natural Areas Management projects including, but not limited to: Highland Oaks Park Phase One Mitigation - Culvert Installation, Bank sloping & natural planting per architect & DERMS's specifications; Greynolds Park - Reclaiming leased land from tenant, providing parking area, access control fencing and establishing a landscaped area with up-land plants and those along the edge of the Oleta River; Haulover Park Handicap Access Routes through Natural Areas Dunes, i.e. eradicated acres of Scavole within Sand Dune Areas of Haulover Park; Charles Deering Estate Weir Construction Project - worked exclusively with Natural Areas Management within the Deering Estate Property (A Natural Forrest) managing the construction of a dam within the natural river bed that was excavated in 1899; and Natural Areas Management Clearing of 10 separate sites. He has serves as Project Manager to contract and clear exotic plants and trees from Natural Area's as directed by Natural Areas Management and manages contractors with Brontosaurus type of machinery to grind exotic plant material while working around tagged desirable plants & shrubs. In addition to the projects listed above, he has extensive knowledge of the Park system and the people who work within it. He holds the following licenses: Miami Dade County Construction Trades Qualifying Board: General Engineering # 19960011and Florida Department Of Agriculture and Consumer Services Public Applicator License Categories # 5A Aquatics & # 6 Right of Way.

JOHN M. RICISAK
Environmental Resources Project Supervisor
Miami-Dade County, Department of Environmental Resources Management (DERM)

Mr. Ricisak has supervised the compliance and enforcement program of DERM's Coastal Resources Section since 2000. His responsibilities include performing and/or coordinating inspections of both permitted and unauthorized activities (e.g. marine construction, dredge and fill, mangrove trimming / alteration, dewatering, etc.) occurring in tidal waters and coastal wetland areas of Miami-Dade County and initiating enforcement actions as necessary. He oversees DERM's derelict vessel removal program and is currently administering a $200,000.00 NOAA Community-Based Marine Debris Prevention and Removal grant project. His career with Miami-Dade County began in 1991 when he served DERM as a Pollution Control Inspector for more than 5 years. He has also served as a Biologist with DERM's Environmentally Endangered Lands (EEL) Program and as the County Archaeologist He received a Bachelor of Science degree in Anthropology in 1984 from Florida State University in Tallahassee, Florida. He later earned a Bachelor of Arts degree, with honors, in Environmental Studies in 1990 from the Florida International University in Miami, Florida. His certifications include: Hazardous Waste Operations and Emergency Response; Basic First Aid and CPR; DERM Code Enforcement Training; National Park Service S130 and S190 Wildland Fire Fighting; and Miami-Dade County Supervisory Training. He was awarded Employee of the Year in 1993 and again in 2003.

MIAMI-DADE COUNTY

Park and Recreation
275 NW 2nd Street
Miami, Florida 33128
T 305-755-7800

miamidade.gov

March 24, 2009

ADA Coordination
Agenda Coordination
Animal Services
Art in Public Places
Audit and Management Services
Aviation
Building
Building Code Compliance
Business Development
Capital Improvements
Citizens' Independent Transportation Trust
Commission on Ethics and Public Trust
Communications
Community Action Agency
Community & Economic Development
Community Relations
Consumer Services
Corrections & Rehabilitation
Cultural Affairs
Elections
Emergency Management
Employee Relations
Empowerment Trust
Enterprise Technology Services
Environmental Resources Management
Fair Employment Practices
Finance
Fire Rescue
General Services Administration
Historic Preservation
Homeless Trust
Housing Agency
Housing Finance Authority
Human Services
Independent Review Panel
International Trade Consortium
Juvenile Assessment Center
Medical Examiner
Metro-Miami Action Plan
Metropolitan Planning Organization
Park and Recreation
Planning and Zoning
Police
Procurement Management
Property Appraisal
Public Library System
Public Works
Safe Neighborhood Parks
Seaport
Solid Waste Management
Strategic Business Management
Team Metro
Transit
Task Force on Urban Economic Revitalization
Vizcaya Museum And Gardens
Water & Sewer

NOAA Office of Habitat Conservation, NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

To whom it may concern:

We are pleased to provide this letter of commitment for Miami-Dade County Park and Recreation Department's Coastal and Marine Habitat Restoration Project Grants application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a 'shovel-ready' wetlands restoration project. The purpose of the project is to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park in Miami-Dade County. Miami-Dade County Park and Recreation Department (MDPR) strongly supports this project that will further NOAA's mission to restore marine and coastal habitats and that will result in near-immediate stimulation of local United States (U.S.) economies through the creation or retention of restoration-related jobs for work in U.S. jurisdictions.

The goal of this project is to re-establish the hydrology to the northern portion of the Oleta River. This is especially appropriate and important, as this will serve to restore the headwater region of a natural waterway, which maintains its natural course through an otherwise highly urbanized region. Upon completion of the restoration effort, the northern portion of the tributary would flush daily with the tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project would be achieved by removing exotic vegetation, replacing a non functioning culvert (ongoing), dredging sediments, and expanding the widths of existing streambeds to enhance water flow, and grading existing areas to enhance native wetlands species. Funds will also be used to maintain and create jobs required to facilitate the proposed project.

As public landowner and manager, MDPR provides its assurance of the project's timely completion contingent upon funding from NOAA. All project development tasks (ie. design, environmental permitting, etc) for the proposed project have been completed. MDPR strongly believes this grant project will allow for meaningful long-term environmental and sustainable benefits to the wetlands community at the headwaters of the Oleta River. I strongly encourage NOAA's support in assisting Miami-Dade County in turning this opportunity into a reality.

Should you have any questions or concerns, please don't hesitate to contact me at (305) 755-7903.

Sincerely,

Jack Kardys, Director

MIAMI-DADE COUNTY Delivering Excellence Every Day

MIAMI-DADE COUNTY
Carlos Alvarez, Mayor

Department of Environmental Resources Management
Office of the Director
701 NW 1st Court, 4th Floor
Miami, Florida 33136-3912
T 305-372-6754 F 305-372-6759

miamidade.gov

April 2, 2009

NOAA Office of Habitat Conservation, NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

To whom it may concern:

We are pleased to provide this letter in support of Miami-Dade County Park and Recreation Department's Coastal and Marine Habitat Restoration Project Grants application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a 'shovel-ready' wetlands restoration project. The purpose of the project is to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park in Miami-Dade County. The Miami-Dade County Department of Environmental Resources Management (DERM) strongly supports this project that will further NOAA's mission to restore marine and coastal habitats and that will result in near-immediate stimulation of local United States (U.S.) economies through the creation or retention of restoration-related jobs for work in U.S. jurisdictions.

The goal of this project is to re-establish the hydrology to the northern portion of the Oleta River. This is especially appropriate and important, as this will serve to restore the headwater region of a natural waterway, which maintains its natural course through an otherwise highly urbanized region. Upon completion of the restoration effort, the northern portion of the tributary would flush daily with the tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project would be achieved by removing exotic vegetation, replacing a non functioning culvert (ongoing), dredging sediments, and expanding the widths of existing streambeds to enhance water flow, and grading existing areas to enhance native wetlands species. Funds will also be used to maintain and create jobs required to facilitate the proposed project.

DERM has completed all of the project development tasks (ie. design, environmental permitting, etc) for the proposed project and will assist with the construction supervision to ensure design compliance. DERM strongly believes this grant project will allow for meaningful long-term environmental and sustainable benefits to the wetlands community at the headwaters of the Oleta River.
I strongly encourage NOAA's support in assisting Miami-Dade County in turning this opportunity into a reality.

Should you have any questions or concerns, please don't hesitate to contact me at 305.372.6754.

Sincerely,

Carlos Espinosa, P.E.
Director

Delivering Excellence Every Day

Florida Department of Environmental Protection

Oleta River State Park
3400 N. E. 163 Street
N. Miami, FL 33160

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

March 24, 2009

NOAA Office of Habitat Conservation,
NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

To whom it may concern:

We are pleased to provide this letter of support for Miami-Dade County Park and Recreation Department's Coastal and Marine Habitat Restoration Project Grants application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a 'shovel-ready' wetlands restoration project. The purpose of the project is to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park in Miami-Dade County. Oleta River State Park strongly supports this project that will further NOAA's mission to restore marine and coastal habitats and that will result in near-immediate stimulation of local United States (U.S.) economies through the creation or retention of restoration-related jobs for work in U.S. jurisdictions.

The goal of this project is to re-establish the hydrology to the northern portion of the Oleta River. This is especially appropriate and important, as this will serve to restore the headwater region of a natural waterway, which maintains its natural course through an otherwise highly urbanized region. Be advised the Oleta River is classed as a "Florida Outstanding Waterway". Upon completion of the restoration effort, the northern portion of the tributary would flush daily with the tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project would be achieved by removing exotic vegetation, replacing a non functioning culvert (ongoing), dredging sediments, and expanding the widths of existing streambeds to enhance water flow, and grading existing areas to enhance native wetlands species. Funds will also be used to maintain and create jobs required to facilitate the proposed project.

Oleta River State Park strongly believes this grant project will allow for meaningful long-term environmental and sustainable benefits to the wetlands community at the headwaters of the Oleta River. I strongly encourage NOAA's support in assisting Miami-Dade County in turning this opportunity into a reality.

Should you have any questions or concerns, please don't hesitate to contact me at 305-919-1846

Sincerely,

Steven Dale
Park Manager
SD/jl

Florida Department of Environmental Protection

Biscayne Bay Aquatic Preserve
Biscayne Bay Environmental Center
1277 NE 79th St. Causeway
Miami, Florida 33138-4206

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

March 31, 2009

NOAA Office of Habitat Conservation, NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

To whom it may concern:

We are pleased to provide this letter of commitment for Miami-Dade County Park and Recreation Department (the County)'s Coastal and Marine Habitat Restoration Project Grants application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a 'shovel-ready' wetlands restoration project. The purpose of the project is to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park. The Florida Department of Environmental Protection's Biscayne Bay Aquatic Preserve (the Preserve) strongly supports this project that will further NOAA's mission to restore marine and coastal habitats and that will result in near-immediate stimulation of local United States economies through the creation or retention of restoration-related jobs.

The goal of this project is to re-establish the hydrology to the northern portion of the Oleta River, which is within the Preserve's boundaries and is designated as an Outstanding Florida Water. This project is especially appropriate and important, as it will restore the headwater region of this natural waterway, which maintains its natural course through an otherwise highly urbanized region. Upon completion of the restoration effort, the northern portion of the bay tributary would flush daily with the tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project includes removing exotic vegetation, replacing a non-functioning culvert, dredging sediments, expanding the widths of existing streambeds to enhance water flow, and grading existing areas to enhance native wetlands species. Funds will also be used to maintain and create jobs required to facilitate the proposed project.

The Preserve strongly believes this grant project will allow for meaningful long-term, sustainable environmental benefits to the Oleta River. I encourage NOAA to support the County in turning this opportunity into a reality. Should you have any question, please contact me at 305.795.3485.

Sincerely,

Marsha Colbert

Marsha Colbert
Biscayne Bay Aquatic Preserve Manager

April 1, 2009

NOAA Office of Habitat Conservation,
NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910

Re: Highland Oaks Park Restoration Project

To Whom it May Concern:

Miami Science Museum is pleased to provide this letter of support for the Miami-Dade County Department of Environmental Resource Management's (DERM) Coastal and Marine Habitat Restoration Project Grant application. DERM's proposed habitat restoration project will help restore the hydrology of the Oleta River at Highland Oaks Park Miami-Dade County. This will pave the way for uplands forest restoration efforts led by local community based partners including Miami Science Museum. The Museum looks forward to participating in this project which will further NOAA's mission to restore coastal uplands habitats while stimulating the economy through job creation in environmental remediation.

The Museum has collaborated with DERM for over three years through its Reclamation Project (www.reclamationproject.net). The Reclamation Project is a community based urban forest restoration effort that combines educational outreach to local schools, urban native tree replanting efforts, and eco-art programs to empower local South Floridians to restore critical coastal forest habitat in Miami-Dade County. The Museum provides an important educational outreach component to the on-the-ground restoration efforts headed by DERM throughout Miami-Dade County.

Miami Science Museum supports the proposed partnership with NOAA which will bring long term environmental benefit to the upland forest habitat at Highland Oaks Park while creating an economic stimulus in creating and sustaining environmental outreach and remediation jobs in the community.

Feel free to contact me at (305)646-4228 if you have any questions about the Reclamation Project or Miami Science Museum in general.

Sincerely,

Frank Steslow
Chief Operating Officer

CC: Gary Milano, DERM

miami science museum
IN ASSOCIATION WITH THE SMITHSONIAN INSTITUTION
3280 south miami avenue, miami, florida 33129 • telephone 305.646.4200 / fax 305.646.4300 • www.miamisci.org

handsonmiami

March 23, 2009

NOAA Office of Habitat Conservation, NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

www.handsonmiami.org

United Way
United Way of Miami-Dade

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

To whom it may concern:

We are pleased to provide this letter of commitment for Miami-Dade County Park and Recreation Department's Coastal and Marine Habitat Restoration Project Grants application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a 'shovel-ready' wetlands restoration project. The purpose of the project is to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park in Miami-Dade County. Miami-Dade County Park and Recreation Department (MDPR) strongly supports this project that will further NOAA's mission to restore marine and coastal habitats and that will result in near-immediate stimulation of local United States (U.S.) economies through the creation or retention of restoration-related jobs for work in U.S. jurisdictions.

The goal of this project is to re-establish the hydrology to the northern portion of the Oleta River. This is especially appropriate and important, as this will serve to restore the headwater region of a natural waterway, which maintains its natural course through an otherwise highly urbanized region. Upon completion of the restoration effort, the northern portion of the tributary would flush daily with the tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project would be achieved by removing exotic vegetation, replacing a non functioning culvert (ongoing), dredging sediments, and expanding the widths of existing streambeds to enhance water flow, and grading existing areas to enhance native wetlands species. Funds will also be used to maintain and create jobs required to facilitate the proposed project.

Hands On Miami strongly believes this grant project will allow for meaningful long-term environmental and sustainable benefits to the wetlands community at the Chapman Field Park. I strongly encourage NOAA's support in assisting Miami-Dade County in turning this opportunity into a reality.

Should you have any questions or concerns, please don't hesitate to contact me at 305.646-7207..

Sincerely,

Bobbi Wald

Bobbi Wald
Community Bridges Family Volunteer Manager

FIU FLORIDA INTERNATIONAL UNIVERSITY

Hope. Knowledge. and Opportunity

FCE LTER

FLORIDA COASTAL EVERGLADES
LONG TERM ECOLOGICAL RESEARCH

March 30, 2009

NOAA Office of Habitat Conservation, NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

Dear Program Committee:

I am pleased to provide this letter of commitment for Miami-Dade County Park and Recreation Department's Coastal and Marine Habitat Restoration Project Grants application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a 'shovel-ready' wetlands restoration project. The purpose of the project is to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park in Miami-Dade County. Miami-Dade County Park and Recreation Department (MDPR) strongly supports this project that will further NOAA's mission to restore marine and coastal habitats and that will result in near-immediate stimulation of local United States (U.S.) economies through the creation or retention of restoration-related jobs for work in U.S. jurisdictions.

The goal of this project is to re-establish the hydrology to the northern portion of the Oleta River. This is especially appropriate and important, as this will serve to restore the headwater region of a natural waterway, which maintains its natural course through an otherwise highly urbanized region. Upon completion of the restoration effort, the northern portion of the tributary would flush daily with the tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project would be achieved by removing exotic vegetation, replacing a non functioning culvert (ongoing), dredging sediments, and expanding the widths of existing streambeds to enhance water flow, and grading existing areas to enhance native wetlands species. Funds will also be used to maintain and create jobs required to facilitate the proposed project.

I strongly believe this grant project will allow for meaningful long-term environmental and sustainable benefits to the wetlands community at the Chapman Field Park. I strongly encourage NOAA's support in assisting Miami-Dade County in turning this opportunity into a reality.

Should you have any questions or concerns, please don't hesitate to contact me at 305.348.1453.

Sincerely,

Tiffany G. Troxler, Ph.D.
Associate Research Faculty of Wetland Ecosystem Science
FCE LTER Project Collaborator
Southeast Environmental Research Center
Florida International University

THE TRUST for PUBLIC LAND

March 30, 2009

NOAA Office of Habitat Conservation, NOAA Fisheries
1315 East West Highway, Rm. 14853
Silver Spring, MD 20910
ATTN: Restoration Project Applications

RE: Oleta River/Highland Oaks Park Wetlands Restoration Project

To whom it may concern:

The Trust for Public Land (TPL), a national non-profit organization dedicated to saving land for people, is very happy to support the Miami-Dade County Park and Recreation Department in this Coastal and Marine Habitat Restoration Project Grant application to the National Oceanic and Atmospheric Administration (NOAA) for completion of a shovel-ready wetlands restoration project.

The proposed project intends to re-establish the hydrologic regime at the headwaters of the Oleta River located at Highland Oaks Park in Miami-Dade County. These efforts will help to restore the headwater region of this natural waterway by removing exotic vegetation, dredging sediments, and replacing a non-functioning culvert as well as expanding the widths of existing streambeds to enhance water flow and grading existing areas to enhance native wetland species. The Trust for Public Land firmly supports the outlined objective of this project. We are confident that the project goals will be met and ultimately lead to the continued restoration of marine and coastal habitats that are essential to the NOAA mission.

The Trust for Public Land strongly believes this grant project will provide meaningful long-term environmental and sustainable benefits to the wetlands community at the Chapman Field Park. As such, we greatly encourage NOAA to support Miami-Dade County in this endeavor.

Should you have any questions or concerns, please feel free to contact me at (305) 667-0409, ext. 12.

Sincerely,

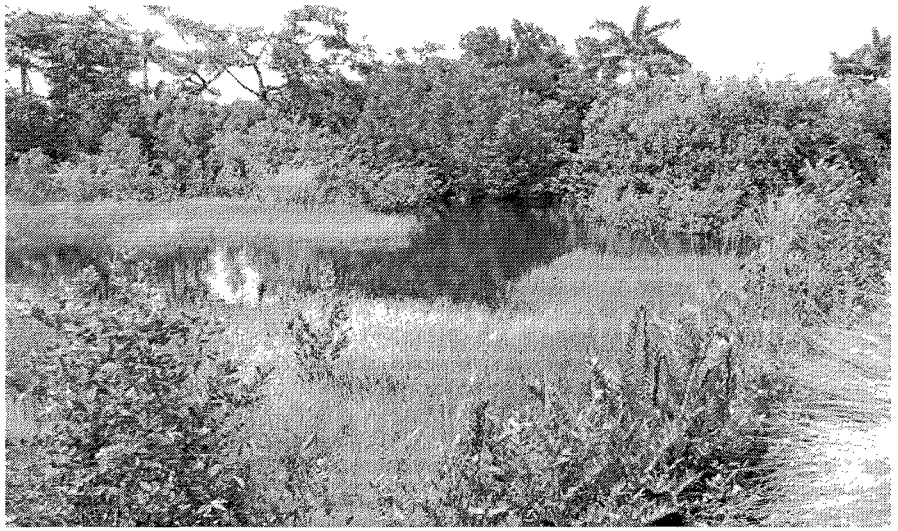
Alvaro Rodriguez
Senior Project Associate
South Florida & Caribbean Office

45

OVERVIEW OF OLETA RESTORATION PROJECTS AT HIGHLAND OAKS PARK

Phase 1

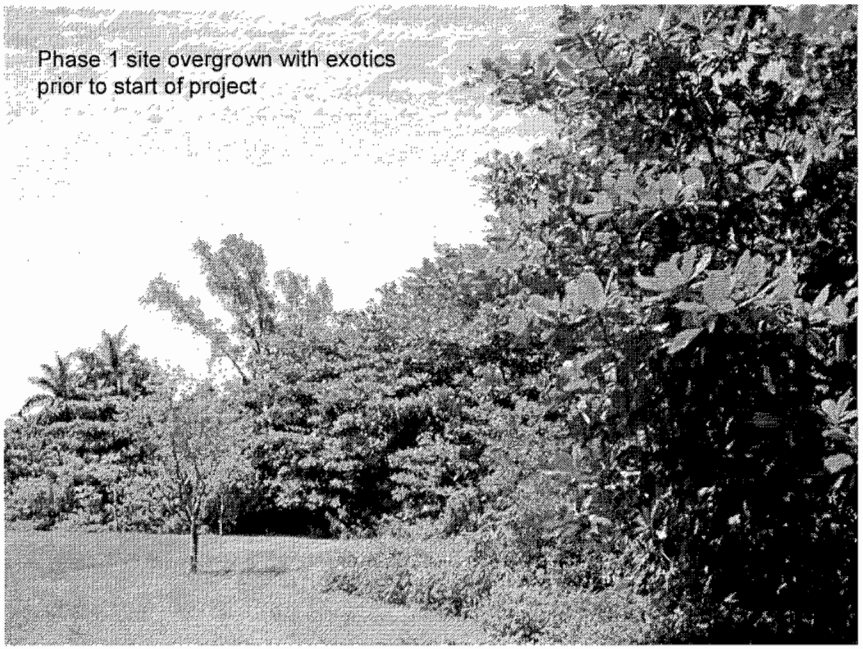
Phase 2



Phase 2

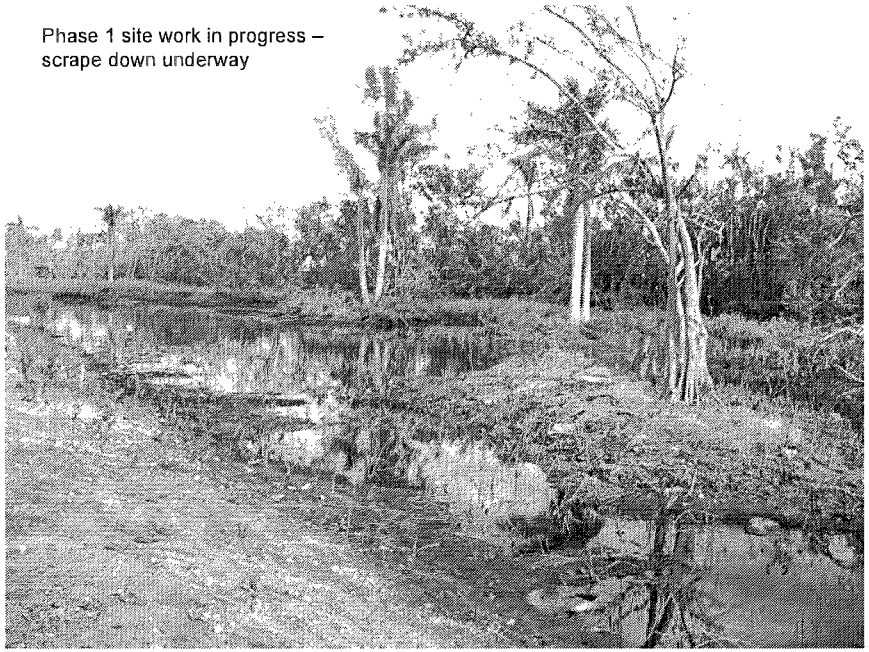
Phase 1

gh

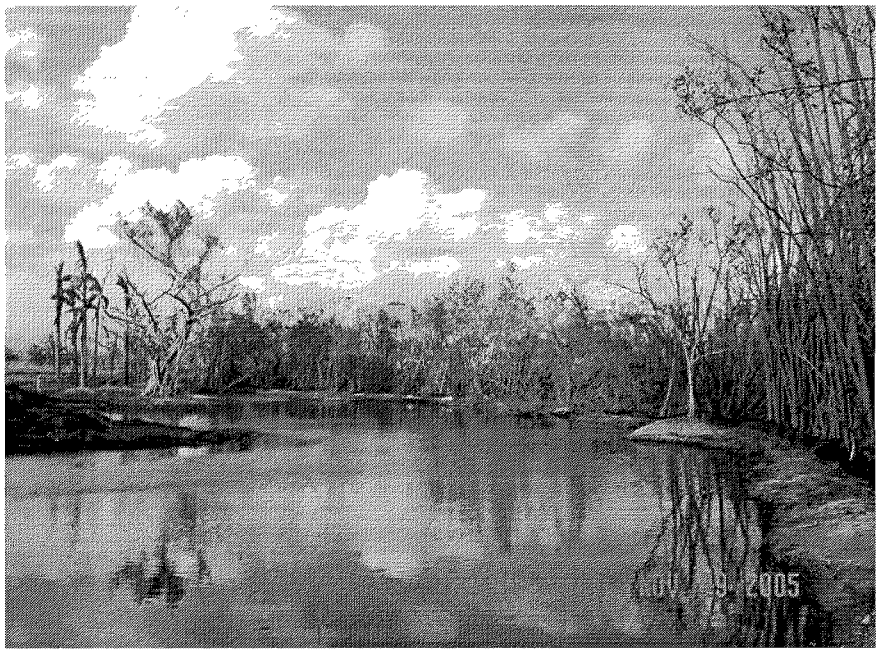

Phase 1 site overgrown with exotics
prior to start of project

Phase 1 site after first phase of
clearing

Phase 1 site work in progress – scrape down underway



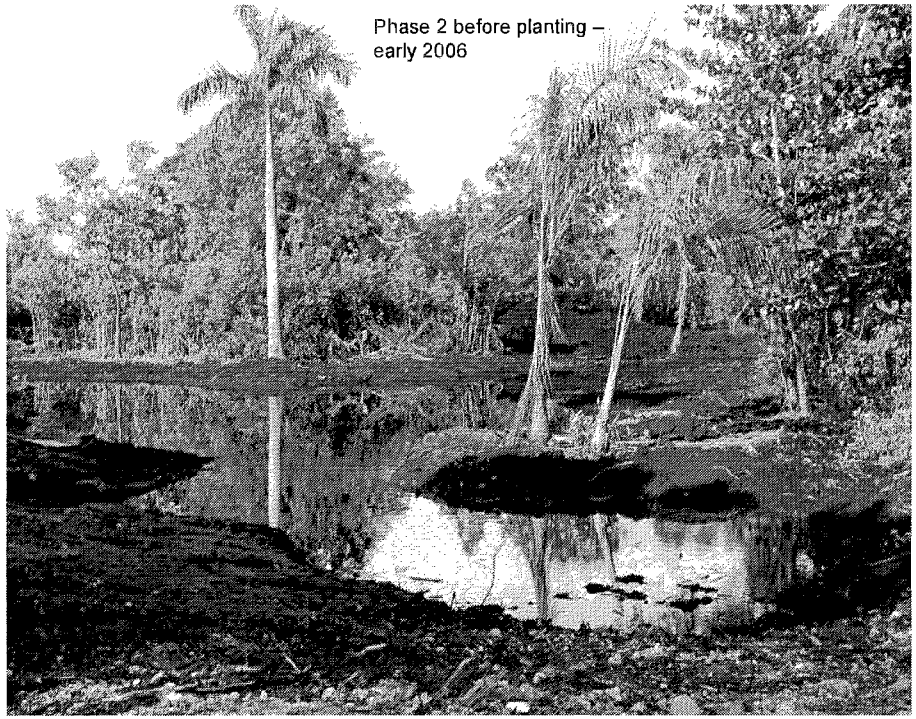
Phase 1 in 2008



Phase 1 in 2006

Phase 2 scrape down underway - 2005

Phase 2 in 2008


Phase 2 before planting – early 2006

Phase 2 in 2008

Budget Narrative File(s)

*** Mandatory Budget Narrative Filename:** Detailed_Budget_Narrative_Oleta_HO_MDC.pdf

Add Mandatory Budget Narrative | Delete Mandatory Budget Narrative | View Mandatory Budget Narrative

To add more Budget Narrative attachments, please use the attachment buttons below.

Add Optional Budget Narrative | Delete Optional Budget Narrative | View Optional Budget Narrative

DETAIL BUDGET NARRATIVE
OLETA RIVER/HIGHLAND OAKS PARK WETLANDS RESTORATION PROJECT

a. PERSONNEL (FEDERAL SHARE): $233, 092

Karen Cheney, Co-Project Manager / Landscape Architect - 10% FTE for 18 months
K. Cheney will provide 312 hours at a rate of $43.22/ hour to: monitor project budget and schedules; process consultant payments; review weekly meeting minutes and attend critical construction meetings as needed; participate in milestone inspections; monitor RFI responses and submittal approvals from consultant as necessary; coordinate communications between project team with park operations staff, upper management and the general public during the 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $8,990; Year 2: $4,720; Total: $13,709

Gary Milano, Co-Project Manager / Environmental Resource Project Supervisor - 25% FTE for 18 months
G. Milano will provide 780 hours at a rate of $41.28/hour to: evaluate project compliance with permit conditions; evaluate unforeseen conditions and suggest modifications to project as needed; assist project engineer with RFI responses as necessary; monitor on-going progress of project; and coordinate outreach/volunteer planting activities during the entire 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $21,468; Year 2: $11,271; Total: $32,739

Jay Forni, Construction Manager 3 - 5% FTE for 18 months
J. Forni will provide 156 hours at a rate of $54.08/ hour to review budgets, monitor progress of bid and award of contract, and supervise construction manager during the 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $5,624; Year 2: $2,953; Total: $8,577

Dan Crawford, Construction Renovation Supervisor - 75% FTE for 18 months
D. Crawford will provide 2,340 hours at a rate of $34.13/ hour to provide day-to-day construction management. All communications between the contractor and project managers and engineer will be coordinated through him. He will be responsible for the flow of information as well as reviewing and approving payment requests and requests for change orders from the contractor during the 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $53,243; Year 2: $27,952; Total: $81,195

Alice Warren, Natural Areas Manager – 60% FTE for 18 months
A. Warren will provide 1,872 hours at a rate of $43.17/ hour to be the lead biologist and arborist representing the Park and Recreation Department. Primary duties will be the final decision-making in all matters related to transplanting trees, shrubs and other flora within the site (to include acceptance of work) during the 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $53,878; Year 2: $28,286; Total: $82,163

John Ricisak, Environmental Resources Projects Supervisor - 3% FTE for 12 months
J. Ricisak will provide 62 hours at a rate of $39.48/hour to ensure compliance with permit conditions by performing field inspections and evaluations during the 12-month construction period.
Year 1: $2,464; Year 2: $0; Total: $2,464

Jamal Oubrar, Construction Cost Estimator - 5% FTE for 6 months
J. Oubrar will provide 26 hours at a rate of $27.14/hour to develop a cost estimate to monitor the costs of the project and ensure quality control during development of the RFP and bid and award during a 6-month period.
Year 1: $2,823; Year 2: $0; Total: $2,823

Vivian Forhat-Diaz, Contracts Specialist – 5% FTE for 6 months
V. Forhat-Diaz will provide 26 hours at a rate of $28.44/hour to supervise and facilitate bid and award to ensure contract compliance during a 6-month period.
Year 1: $1,978; Year 2: $0; Total: $1,978

DETAIL BUDGET NARRATIVE
OLETA RIVER/HIGHLAND OAKS PARK WETLANDS RESTORATION PROJECT

Marcela Rodriguez, Office Support Specialist 3 - 5% FTE for 18 months
M. Rodriguez will provide 156 hours at a rate of $19.02/hour to process invoices and document time and charges during the entire 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $1,957; Year 2: $1,028; Total: $2,985

Olga Banquecer, Administrative Secretary - 2% FTE for 18 months
O. Banquecer will provide 62 hours at a rate of $19.02/hour to process time and charges and monitor internal costs during the entire 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $783; Year 2: $411; Total: $1,194

Larisa Aploks, Administrative Officer 3- 3% FTE for 18 months
L. Aploks will provide 94 hours at a rate of $34.32/hour to process payments to consultants and facilitate any changes to administrative costs and reporting during the entire 18-month performance period. A 5% increase is project for year 2 to anticipate merit raises.
Year 1: $2,142; Year 2: $1,124; Total: $3,266

b. PERSONNEL (NON-FEDERAL SHARE): None

c. FRINGE BENEFITS (FEDERAL SHARE): Fringe Benefits are applied at the following rates per benefit: FICA - .062 x (FTE x salary); MICA - .0145 x (FTE x salary); Retirement - .0985 x (FTE x salary); Group Life - .003024 x (FTE x salary); Flex Dollars - $1,100/person x FTE; Health Plan - $8,000/person x FTE. Total: $66,842

d. FRINGE BENEFITS (NON-FEDERAL SHARE): None

e. TRAVEL: None

f. EQUIPMENT: None

g. SUPPLIES: None

h. CONTRACTUAL : $142,971(FEDERAL SHARE) / $0 (NON-FEDERAL SHARE)

The County will utilize competitively bid contracts to facilitate all proposed construction activities.

A/E Consultant Design Revisions: $8,000 (Federal Share)/$0 (Non-Federal Share)
Some performance specifications not previously included in the construction documents will be prepared and submitted.

A/E Consultant Reimbursable – Design: $3,500 (Federal Share)/$0 (Non-Federal Share)
Includes printing and other reproduction costs.

Design (Soft Cost) Contingency: $800 (Federal Share)/$0 (Non-Federal Share)
Includes costs of changes to plans not initiated by the consultant to be billed at a pre-determined hourly rate

Consultant Construction Phase (Adm. & Monitor): $115,670 (Federal Share)/$0 (Non-Federal Share)
Encompasses all aspects of Construction Observation as well as Quarterly-Monitoring for a period of five years.

A/E Consultant Reimbursables – Const.: $409,600 (Federal Share)/$0 (Non-Federal Share)
Permit fees, if any for modifications, and miscellaneous costs associated with printing and other reproductions.

i. CONSTRUCTION: $1,638,682 (Federal Share) / $409,600 (Non-Federal Share) = $2,048,282

DETAIL BUDGET NARRATIVE
OLETA RIVER/HIGHLAND OAKS PARK WETLANDS RESTORATION PROJECT

Sub-Total Construction Cost: $1,275,850 (Federal Share)/$0 (Non-Federal Share)
Includes the actual costs for all construction activities (relocating trees, earthwork, planting).

Construction Overhead/Profit: $226,770 (Federal Share)/$0 (Non-Federal Share)
Industry standard

Construction Contingency: $136,062 (Federal Share)/$0 (Non-Federal Share)
Standard percentage of anticipated costs to cover unforeseen conditions and small changes

Construction Documents and Construction Costs (Reach 3): $0 (Federal Share)/$409,600 (Non-Federal Share)
Includes plans and specifications and actual construction costs (in addition to construction management and construction observation by consultant)

j. OTHER: $143,031 (FEDERAL SHARE) / $0 (NON-FEDERAL SHARE) = $143,031

Bid and Award Unit - MDPR Design & Construction Mgt. Section (DSM): 6,000 (Federal Share)/$0 (Non-Federal Share)
Includes costs of preparing RFP, advertising and processing bid award

Construction Management Construction Phase – MDPR: 68,031 (Federal Share)/$0 (Non-Federal Share)
Includes day-to-day supervision, coordination between contractor and consultant, processing RFI requests, change orders, invoices, etc.

Natural Areas Management: 69,000 (Federal Share)/$0 (Non-Federal Share)
Includes supervising all aspects of tree relocation and exotics control to ensure success of project.

TOTAL DIRECT CHARGES: $2,634,218

TOTAL INDIRECT CHARGES: None

TOTAL FEDERAL SHARE: $2,224,618

TOTAL NON-FEDERAL SHARE: $409,600

TOTAL PROJECT COSTS: $2,634,218

YEAR ONE

APPLICANT: Miami-Dade County Park and Recreation Department

GRANT TITLE: Oleta River/Highland Oaks Park Wetlands Restoration Project

PERFORMANCE PERIOD: May 1, 2009 thru June 30, 2010

Object Class Categories	FEDERAL SHARE	MATCH	TOTAL PROJECT
Personnel			
Karen Cheney - Co-Project Manager @ .10 FTE (18 mos)	8,990	0	8,990
Gary Milano - Co-Project Manager @ .25 FTE (18 mos)	21,468	0	21,468
Jay Forni - Construction Manager 3 @ .05 FTE (18 mos)	5,624	0	5,624
Dan Crawford - Construction Renovation Supervisor @ .75 FTE (18 mos)	53,243	0	53,243
Alice Warren - Natural Areas Manager @ .60 FTE (18 mos)	53,878	0	53,878
John Ricisak - Environmental Projects Supervisor @ .03 FTE (12 mos)	2,464	0	2,464
Jamal Oubrar - Construction Cost Estimator @ .05 FTE (6 mos)	2,823	0	2,823
Vivan Forhat-Diaz - Contracts Specialist @ .05 FTE (6 mos)	1,978	0	1,978
Marcela Rodriguez - Office Support Specialist 3 @ .05 FTE (18 mos)	1,957	0	1,957
Olga Banquecer - Administrative Secretary @ .02 FTE (18 mos)	783	0	783
Larisa Aploks - Administrative Officer 3 @ .03 FTE (18 mos)	2,142	0	2,142
TOTAL PERSONNEL	**$155,348**	**$0**	**$155,348**
Fringe Benefits			
FICA (.062 x FTE Salary)	$9,031	$0	$9,031
MICA (.0145 x FTE Salary)	$2,112	$0	$2,112
Retirement (.0985 x FTE Salary)	$14,348	$0	$14,348
Group Life (.003024 x FTE Salary)	$440	$0	$440
Flex Dollars ($1,100/person x FTE)	$2,178	$0	$2,178
Health Plan ($8,000/person x FTE)	$15,840	$0	$15,840
TOTAL FRINGE BENEFITS	**$43,950**	**$0**	**$43,950**
Non-Personnel			
Travel Costs:			
	$0	$0	$0
	$0	$0	$0
Equipment:			
	$0	$0	$0
	$0	$0	$0
Supplies:			
	$0	$0	$0
	$0	$0	$0
Contractual:			
A/E Consultant Design (revisions to CD's based upon omissions)	$8,000	$0	$8,000
A/E Consultant Resimbursable - Design	$3,500	$0	$3,500
Design (Soft Cost) Contingency	$800	$0	$800
Consultant Construction Phase (Adm. & Monitor)	$115,671	$0	$115,671
A/E Consultant Reimbursables - Const.	$15,000	$0	$15,000
Construction:			$0
Sub-Total Construction Cost	$1,275,850	$0	$1,275,850
Construction Overhead/Profit	$226,770	$0	$226,770
Construction Contingency	$136,062	$0	$136,062
Construction Documents and Construction Costs (Reach 3)	$0	$409,600	$409,600
Other:			
Bid and Award Unit - MDPR Design & Construction Mgt. Section (DSM)	$6,000	$0	$6,000
Construction Management Construction Phase - MDPR	$68,031	$0	$68,031
Natural Areas Management	$69,000	$0	$69,000
TOTAL NON PERSONNEL	**$1,924,684**	**$409,600**	**$2,334,284**
Total Direct Charges	$2,123,982	$409,600	$2,533,582
Indirect Charges	$0	$0	$0
TOTAL PROJECT COSTS	**$2,123,982**	**$409,600**	**$2,533,582**
	83.8%	16.17%	100%

YEAR TWO

APPLICANT: Miami-Dade County Park and Recreation Department

GRANT TITLE: Oleta River/Highland Oaks Park Wetlands Restoration Project

PERFORMANCE PERIOD: May 1, 2010 thru November 30, 2010

Object Class Categories	FEDERAL SHARE	MATCH	TOTAL PROJECT
Personnel			
Karen Cheney - Co-Project Manager @ .10 FTE (18 mos)	4,720	0	4,720
Gary Milano - Co-Project Manager @ .25 FTE (18 mos)	11,271	0	11,271
Jay Forni - Construction Manager 3 @ .05 FTE (18 mos)	2,953	0	2,953
Dan Crawford - Construction Renovation Supervisor @ .75 FTE (18 mos)	27,952	0	27,952
Alice Warren - Natural Areas Manager @ .60 FTE (18 mos)	28,286	0	28,286
John Ricisak - Environmental Projects Supervisor @ .03 FTE (12 mos)	0	0	0
Jamal Oubrar - Construction Cost Estimator @ .05 FTE (6 mos)	0	0	0
Vivan Forhat-Diaz - Contracts Specialist @ .05 FTE (6 mos)	0	0	0
Marcela Rodriguez - Office Support Specialist 3 @ .05 FTE (18 mos)	1,028	0	1,028
Olga Banquecer - Administrative Secretary @ .02 FTE (18 mos)	411	0	411
Larisa Aploks - Administrative Officer 3 @ .03 FTE (18 mos)	1,124	0	1,124
TOTAL PERSONNEL	**$77,744**	**$0**	**$77,744**
Fringe Benefits			
FICA (.062 x FTE Salary)	$4,661	$0	$4,661
MICA (.0145 x FTE Salary)	$1,090	$0	$1,090
Retirement (.0985 x FTE Salary)	$7,405	$0	$7,405
Group Life (.003024 x FTE Salary)	$227	$0	$227
Flex Dollars ($1,100/person/yr x FTE)	$1,018	$0	$1,018
Health Plan ($8,000/person/yr x FTE)	$7,400	$0	$7,400
5% Projected Annual Increase	$1,090	$0	$1,090
TOTAL FRINGE BENEFITS	**$22,892**	**$0**	**$22,892**
Non-Personnel			
Travel Costs:			
	$0	$0	$0
	$0	$0	$0
Equipment:			
	$0	$0	$0
	$0	$0	$0
	$0	$0	$0
	$0	$0	$0
Supplies:			
	$0	$0	$0
	$0	$0	$0
Contractual:			
	$0	$0	$0
	$0	$0	$0
Construction			
	$0	$0	$0
	$0	$0	$0
Other:			
	$0	$0	$0
TOTAL NON PERSONNEL	**$0**	**$0**	**$0**
Total Direct Charges	$100,636	$0	$100,636
Indirect Charges	$0	$0	$0
TOTAL PROJECT COSTS	**$100,636**	**$0**	**$100,636**
	100.0%	0.00%	100%

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ALL YEARS

APPLICANT: Miami-Dade County Park and Recreation Department

GRANT TITLE: Oleta River/Highland Oaks Park Wetlands Restoration Project

PERFORMANCE PERIOD: May 1, 2009 thru October 31, 2010

Object Class Categories	FEDERAL SHARE	MATCH	TOTAL PROJECT
Personnel			
Karen Cheney - Co-Project Manager @ .10 FTE (18 mos)	$13,709	$0	$13,709
Gary Milano - Co-Project Manager @ .25 FTE (18 mos)	$32,739	$0	$32,739
Jay Forni - Construction Manager 3 @ .05 FTE (18 mos)	$8,577	$0	$8,577
Dan Crawford - Construction Renovation Supervisor @ .75 FTE (18 mos)	$81,195	$0	$81,195
Alice Warren - Natural Areas Manager @ .60 FTE (18 mos)	$82,163	$0	$82,163
John Ricisak - Environmental Projects Supervisor @ .03 FTE (12 mos)	$2,464	$0	$2,464
Jamal Oubrar - Construction Cost Estimator @ .05 FTE (6 mos)	$2,823	$0	$2,823
Vivan Forhat-Diaz - Contracts Specialist @ .05 FTE (6 mos)	$1,978	$0	$1,978
Marcela Rodriguez - Office Support Specialist 3 @ .05 FTE (18 mos)	$2,985	$0	$2,985
Olga Banquecer - Administrative Secretary @ .02 FTE (18 mos)	$1,194	$0	$1,194
Larisa Aploks - Administrative Officer 3 @ .03 FTE (18 mos)	$3,266	$0	$3,266
TOTAL PERSONNEL	**$233,092**	**$0**	**$233,092**
Fringe Benefits			
FICA (.062 x FTE Salary)	$13,693	$0	$13,693
MICA (.0145 x FTE Salary)	$3,202	$0	$3,202
Retirement (.0985 x FTE Salary)	$21,753	$0	$21,753
Group Life (.003024 x FTE Salary)	$668	$0	$668
Flex Dollars ($1,100/person x FTE)	$3,196	$0	$3,196
Health Plan ($8,000/person x FTE)	$23,240	$0	$23,240
5% Projected Annual Increase	$1,090	$0	$1,090
TOTAL FRINGE BENEFITS	**$66,842**	**$0**	**$66,842**
Non-Personnel			
Travel Costs:			
	$0	$0	$0
	$0	$0	$0
Equipment:			
	$0	$0	$0
	$0	$0	$0
Supplies:			
	$0	$0	$0
	$0	$0	$0
Contractual:			
A/E Consultant Design Revisions	$8,000	$0	$8,000
A/E Consultant Resimbursable - Design	$3,500	$0	$3,500
Design (Soft Cost) Contingency	$800	$0	$800
Consultant Construction Phase (Adm. & Monitor)	$115,671	$0	$115,671
A/E Consultant Reimbursables - Const.	$15,000	$0	$15,000
Construction:			
Sub-Total Construction Cost	$1,275,850	$0	$1,275,850
Construction Overhead/Profit	$226,770	$0	$226,770
Construction Contingency	$136,062	$0	$136,062
Contruction Documents and Construction Costs (Reach 3)	$0	$409,600	$409,600
Other:			
Bid and Award Unit - MDPR Design & Construction Mgt. Section (DSM)	$6,000	$0	$6,000
Construction Management Construction Phase - MDPR	$68,031	$0	$68,031
Natural Areas Management	$69,000	$0	$69,000
	$0	$0	$0
TOTAL NON PERSONNEL	**$1,924,684**	**$409,600**	**$2,334,284**
Total Direct Charges	$2,224,618	$409,600	$2,634,218
Indirect Charges	$0	$0	$0
TOTAL PROJECT COSTS	**$2,224,618**	**$409,600**	**$2,634,218**
	84.5%	15.55%	100%

FORM **CD-511**
(REV 1-05)

U.S. DEPARTMENT OF COMMERCE

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over $100,000 or a loan or loan guarantee over $150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying.' in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $11,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $11,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

* NAME OF APPLICANT

Miami-Dade County

* AWARD NUMBER

* PROJECT NAME

Oleta River/Highland Oaks Park Wetlands Restoration Project

Prefix: Mr.

* First Name: George

Middle Name: M.

* Last Name: Burgess

Suffix:

* Title: County Manager

* SIGNATURE: Completed by Grants.gov upon submission.

* DATE: Completed by Grants.gov upon submission.

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OMB Approval No.: 4040-0007
Expiration Date: 07/30/2010

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C.§§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U. S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.

10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.

16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	* TITLE
Completed on submission to Grants.gov	County Manager
* APPLICANT ORGANIZATION	* DATE SUBMITTED
Miami-Dade County	Completed on submission to Grants.gov

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OMB Approval No. 4040-0006
Expiration Date 07/30/2010

BUDGET INFORMATION - Non-Construction Programs

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Oleta River/Highland Oaks Park Wetlands Restoration Project	11.463	$ 2,224,618.00	$ 409,600.00	$	$	$ 2,634,218.00
2.						
3.						
4.						
5. Totals		$ 2,224,618.00	$ 409,600.00	$	$	$ 2,634,218.00

Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 1

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY (1) Oleta River/Highland Oaks Park Wetlands Restoration Project	(2)	(3)	(4)	Total (5)
a. Personnel	$ 233,092.00	$	$	$	$ 233,092.00
b. Fringe Benefits	66,842.00				66,842.00
c. Travel	0.00				
d. Equipment	0.00				
e. Supplies	0.00				
f. Contractual	142,971.00				142,971.00
g. Construction	2,048,282.00				2,048,282.00
h. Other	143,031.00				143,031.00
i. Total Direct Charges (sum of 6a-6h)	2,634,218.00				$ 2,634,218.00
j. Indirect Charges	0.00				$
k. TOTALS (sum of 6i and 6j)	$ 2,634,218.00	$	$	$	$ 2,634,218.00
7. Program Income	$ 0.00	$	$	$	$

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SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8. Oleta River/Highland Oaks Park Wetlands Restoration Project	$ 409,600.00	$ 0.00	$ 0.00	$ 409,600.00
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	$ 409,600.00	$	$	$ 409,600.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	$	$	$	$	$
14. Non-Federal	$				
15. TOTAL (sum of lines 13 and 14)	$	$	$	$	$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS) (b)First	(c) Second	(d) Third	(e) Fourth
16. Oleta River/Highland Oaks Park Wetlands Restoration Project	$	$	$	$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	$	$	$	$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: 2,634,218

22. Indirect Charges: 0

23. Remarks:

Other Attachment File(s)

*** Mandatory Other Attachment Filename:** Attachment_1_Project_Design_Plans.pdf

Add Mandatory Other Attachment | Delete Mandatory Other Attachment | View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment | Delete Optional Other Attachment | View Optional Other Attachment

Attachment 1

Project Design Plans

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE
STANDARD GENERAL PERMIT NO. 13-02329-P
DATE ISSUED: June 9, 2004

Form #0941
08/95

PERMITTEE: MIAMI-DADE COUNTY PARK AND RECREATION
275 NW 2ND ST 5TH FL
MIAMI, FL 33128

PROJECT DESCRIPTION: Construction and operation of a 2.13 acre environmental restoration project known as Oleta River Headwaters Restoration.

PROJECT LOCATION: MIAMI-DADE COUNTY, SEC 33 TWP 51S RGE 42E

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

This is to notify you of the District's agency action concerning Notice of Intent for Permit Application No. 040219-3, dated February 19, 2004. This action is taken pursuant to Rule 40E-1.603 and Chapter 40E-40 , Florida Administrative Code (F.A.C.).

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

1. Not receiving a filed request for a Chapter 120, Florida Statutes, administrative hearing.
2. the attached 19 General Conditions (See Pages : 2 - 4 of 6),
3. the attached 12 Special Conditions (See Pages : 5 - 6 of 6) and
4. the attached 17 Exhibit(s).

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

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the Permittee (and the persons listed in the attached distribution list) no later than 5:00 p.m. on this 9th day of June, 2004, in accordance with Section 120.60(3), Florida Statutes.

BY: _____
Robert G. Robbins
Director - Natural Resource Management
Palm Beach Service Center

Certified mail number 7003 1010 0000 4434 3071

GENERAL CONDITIONS

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

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

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

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

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

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

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

GENERAL CONDITIONS

maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall initiate transfer of the permit to the approved responsible operating entity if different from the permittee. Until the permit is transferred pursuant to Section 40E-1.6107, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

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

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

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

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

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

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

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

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding, unless a specific condition of this permit or a formal determination under Section 373.421(2), F.S., provides otherwise.

16. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of

GENERAL CONDITIONS

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

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

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

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

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on June 11, 2009.

2. Operation of the surface water management system shall be the responsibility of the permittee.

3. The permittee shall be responsible for the correction of any erosion, shoaling or water quality problems that result from the construction or operation of the surface water management system.

4. Measures shall be taken during construction to insure that sedimentation and/or turbidity violations do not occur in the receiving water. These measures shall include the installation and maintenance of erosion and turbidity control mechanisms such as hay bales, silt screens, etc. throughout the duration of construction activities to prevent the migration of any visible turbidity plume downstream of the construction activities.

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

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

7. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.

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

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

10. The permittee shall instruct all personnel associated with the project of the potential presence of manatees and the need to avoid collisions with manatees. All construction personnel are responsible for observing water-related activities for the presence of manatee(s).

    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 of 1972, The Endangered Species Act of 1973, and the Florida Manatee Sanctuary Act.

    Siltation barriers shall be made of material in which manatees cannot become entangled, are properly secured, and are regularly monitored to avoid manatee entrapment. Barriers must not block manatee entry to or exist from essential habitat.

    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 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.

    If manatee(s) are seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure protection of the manatee. These precautions shall include the operation of all moving equipment no closer than 50 feet of a manatee. Operation of any equipment closer than 50 feet to a manatee shall necessitate immediate shutdown of that equipment. Activities will not resume until the manatee(s) has departed the project area of its own volition.

SPECIAL CONDITIONS

Any collision with and/or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580) for north Florida or Vero Beach (1-561-562-3909) in south Florida.

Temporary signs concerning manatees shall be posted prior to and during all construction/dredging activities. All signs are to be removed by the permittee upon completion of the project. A sign measuring at least 3 ft. by 4 ft. which reads Caution: Manatee Area will be posted in a location prominently visible to water related construction crews. A second sign should be posted if vessels are associated with the construction, and should be placed visible to the vessel operator. The second sign should be at least 81/2" by 11" which reads Caution: Manatee Habitat. Idle speed is required if operating a vessel in the construction area. All equipment must be shutdown if a manatee comes within 50 feet of operation. Any collision with and/or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. The U.S. Fish and Wildlife Service should also be contacted in Jacksonville (1-904-232-2580) for north Florida or in Vero Beach (1-561-562-3909) for south Florida.

11. A maintenance program shall be implemented for the restored wetland areas on a regular basis to ensure the integrity and viability of those areas as permitted. Maintenance shall be conducted in perpetuity to ensure that Category 1 exotic vegetation (as defined by the Florida Exotic Pest Plant Council at the time of permit issuance) does not become established in this area.

12. The permittee shall perform regular maintenance of the restored river to ensure flushing to the adjacent wetlands.

40E-4.321 Duration of Permits

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

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

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

1. the effective date of the local government's comprehensive plan amendment.
2. the effective date of the local government's development order.
3. the date on which the District issues the conceptual approval, or
4. the latest date of the resolution of any chapter 120.57, F.A.C., administrative proceeding or other legal appeals.

(c) For an individual or standard general environmental resource permit, five years from the date of issuance or such amount of time as made a condition of the permit.

(d) For a noticed general permit issued pursuant to chapter40-E-400, F.A.C., five years from the date the notice of intent to use the permit is provided to the District.

(2)(a) Unless prescribed by special permit condition, permits expire automatically according to the timeframes indicated in this rule. If application for extension if made in writing pursuant to subsection (3), the permit shall remain in full force and effect until:

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

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

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

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

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

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

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

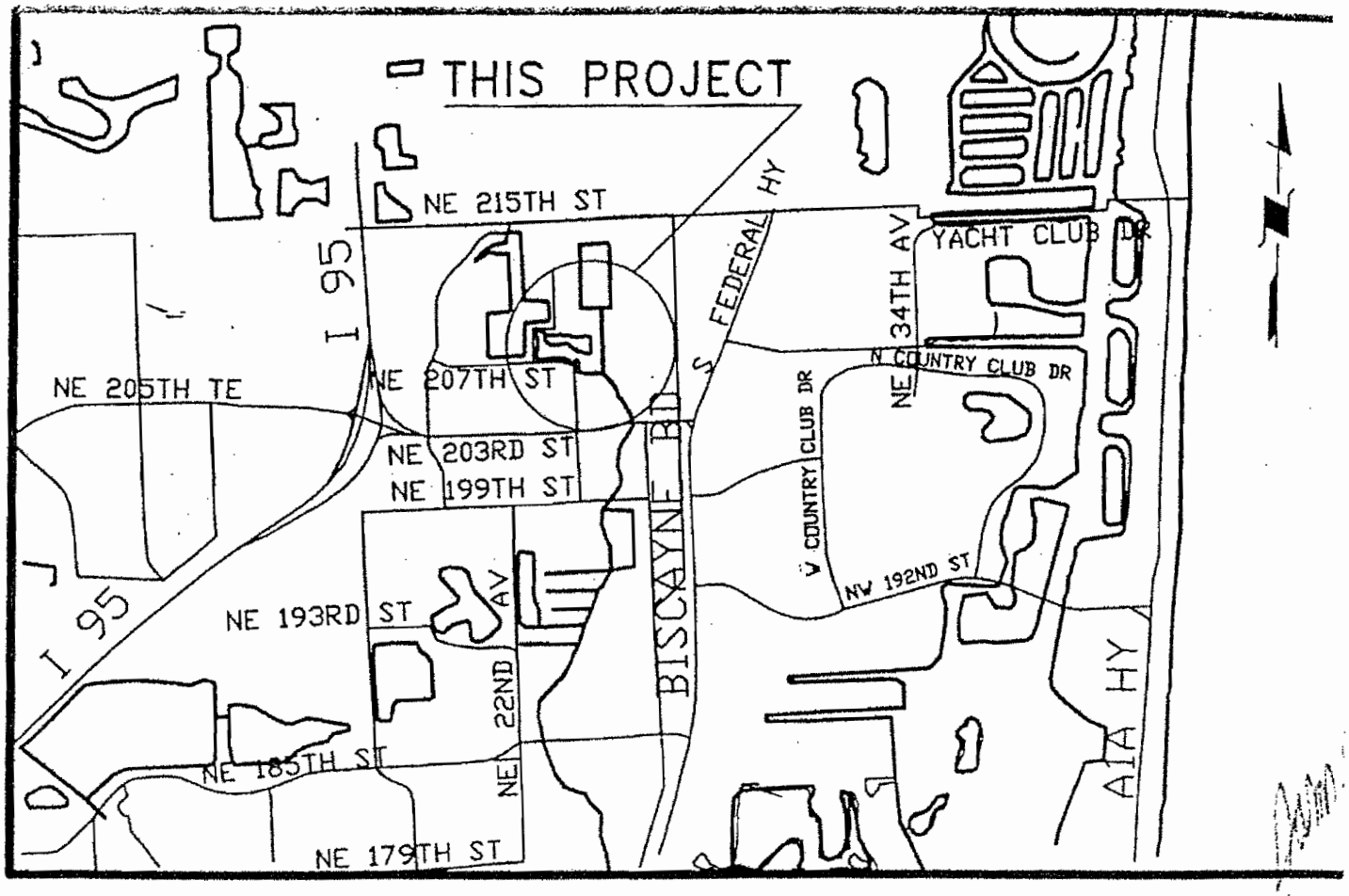
Specific authority 373.044, 373.113 F.S. Law Implemented 373.413, 373.416, 373.419, 373.426 F.S. History-New 9-3-81, Amended 1-31-82, 12-1-82, Formerly 16K-4.07(4), Amended 7-1-86, 4/20/94, Amended 7-1-86, 4/20/94, 10-3-95

Included with this letter/permit is a brochure from the Florida Department of Environmental Protection (DEP) on Florida's National Pollutant Discharge Elimination System (NPDES) program for construction activities. As the brochure indicates, the U.S. Environmental Protection Agency authorized the DEP in October 2000 to implement the NPDES stormwater permitting program in Florida. The District is assisting DEP by distributing this information to entities which may be subject to regulation under the NPDES program. No response to the District is required.

A "Generic Permit for Stormwater Discharge from Construction Activities that Disturb Five or More Acres of Land" **is required for a construction activity which contributes stormwater discharges to surface waters of the State or into a municipal separate storm sewer system and disturbs five or more acres of land. A permit is required for less than five acres if the activity is part of a larger common plan of development or sale that will meet or exceed the five acre threshold.**

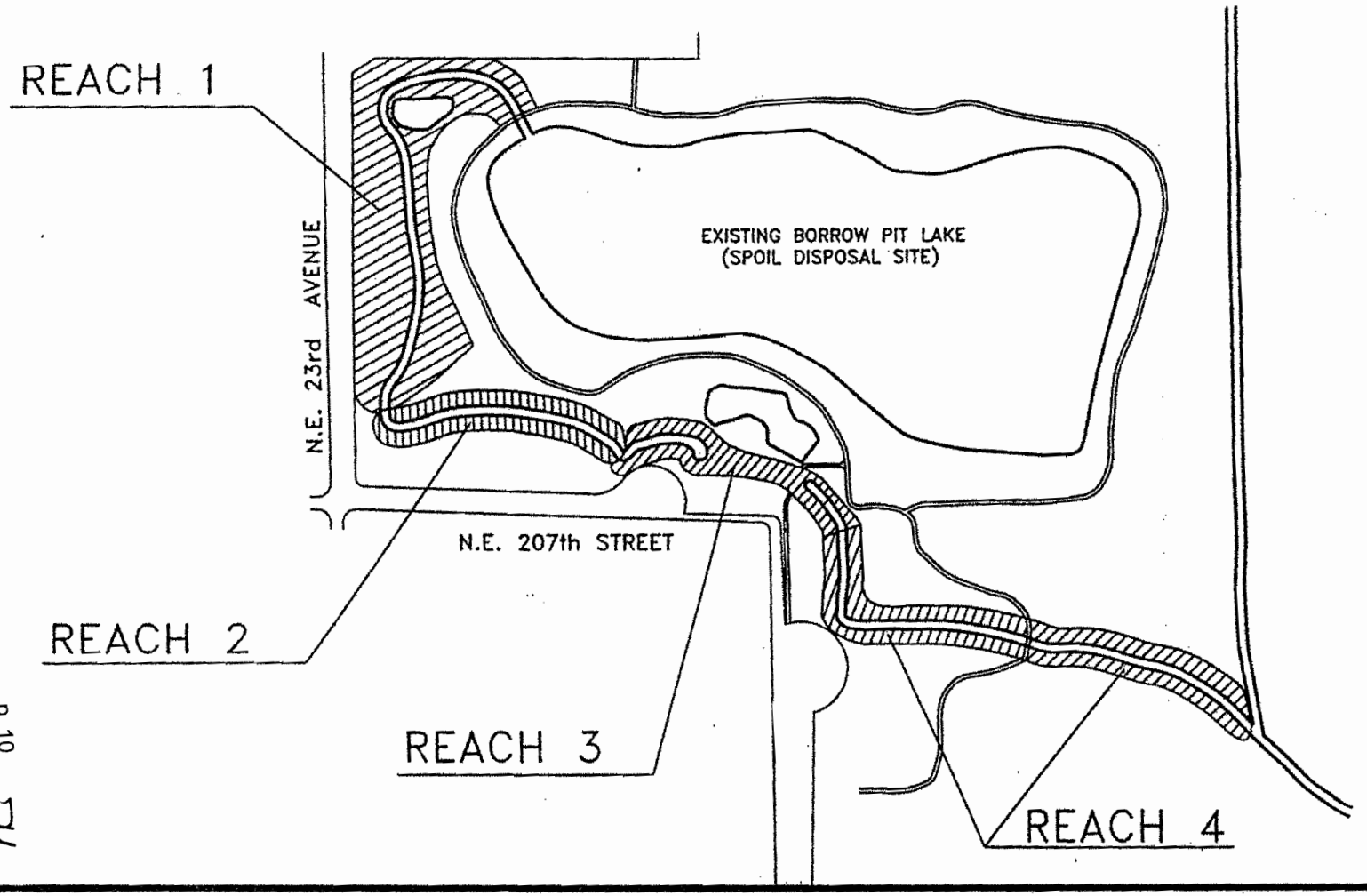
The permit required under DEP's NPDES stormwater permitting program is separate from the Environmental Resource Permit required by the District. Receiving a permit from the District does not exempt you from meeting the NPDES program requirements.

If you have any questions on the NPDES program, there are DEP phone numbers, mailing addresses and internet web page addresses in the brochure. The DEP web site, at www.dep.state.fl.us/water/stormwater/npdes/, provides information associated with the NPDES program including all regulations and forms cited in the brochure.



VICINITY MAP
N.T.S.

EXHIBIT 1



N.T.S.

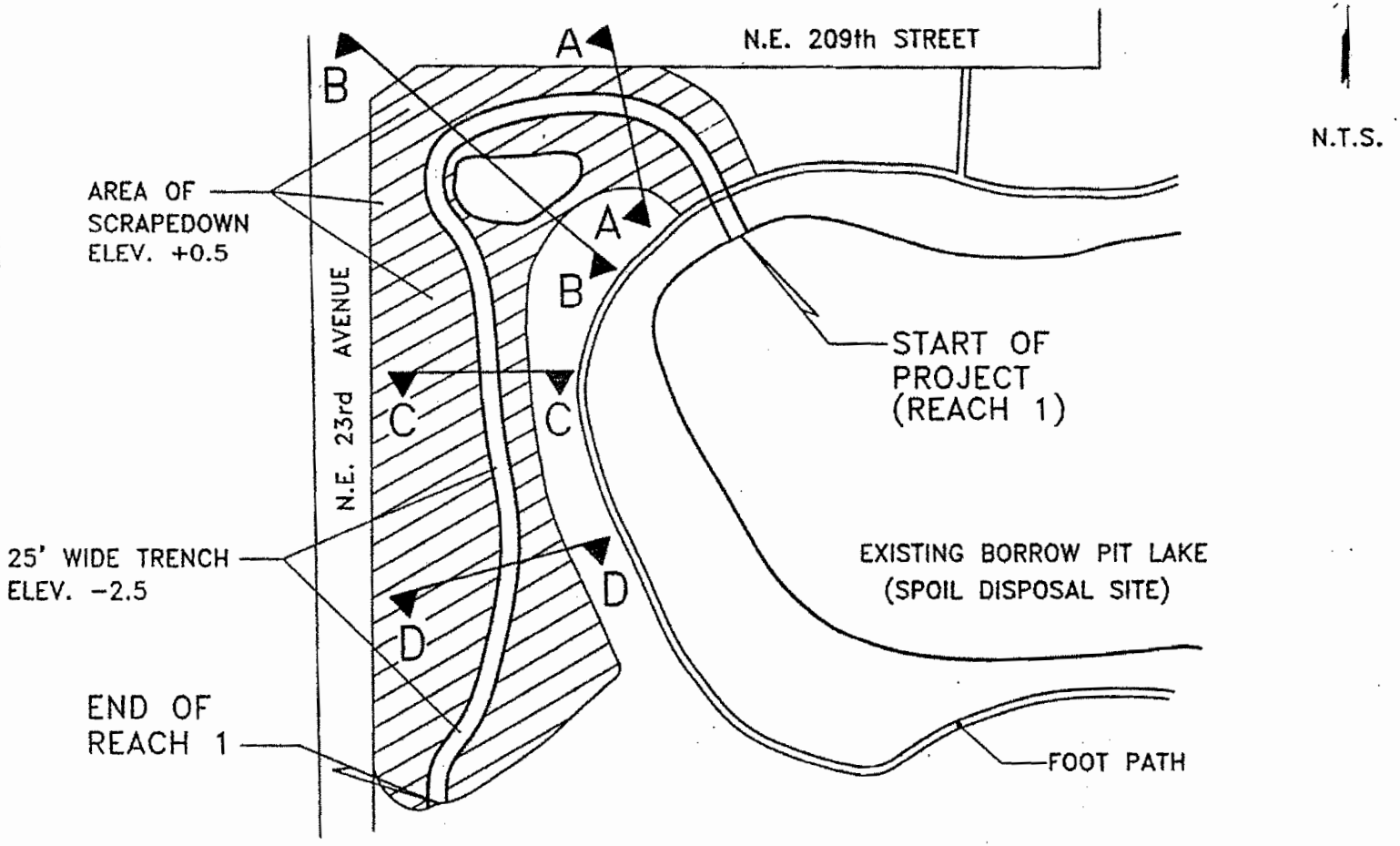
EXHIBIT 2

PURPOSE: SITE PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
3925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/16/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 2 OF 17 DATE: 07-15-03

HIBIT 3

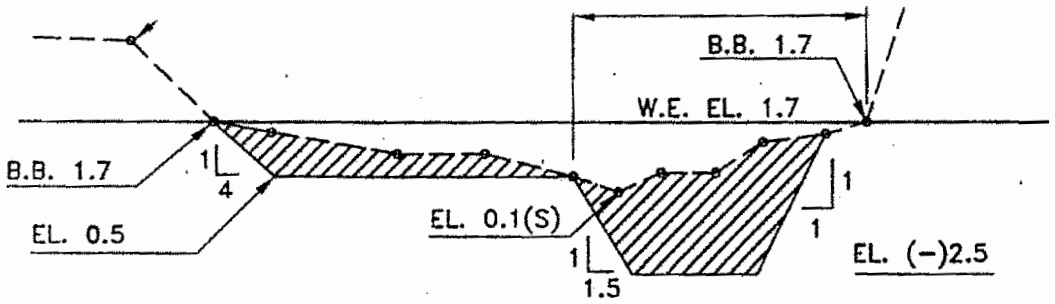


PURPOSE: REACH 1 PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

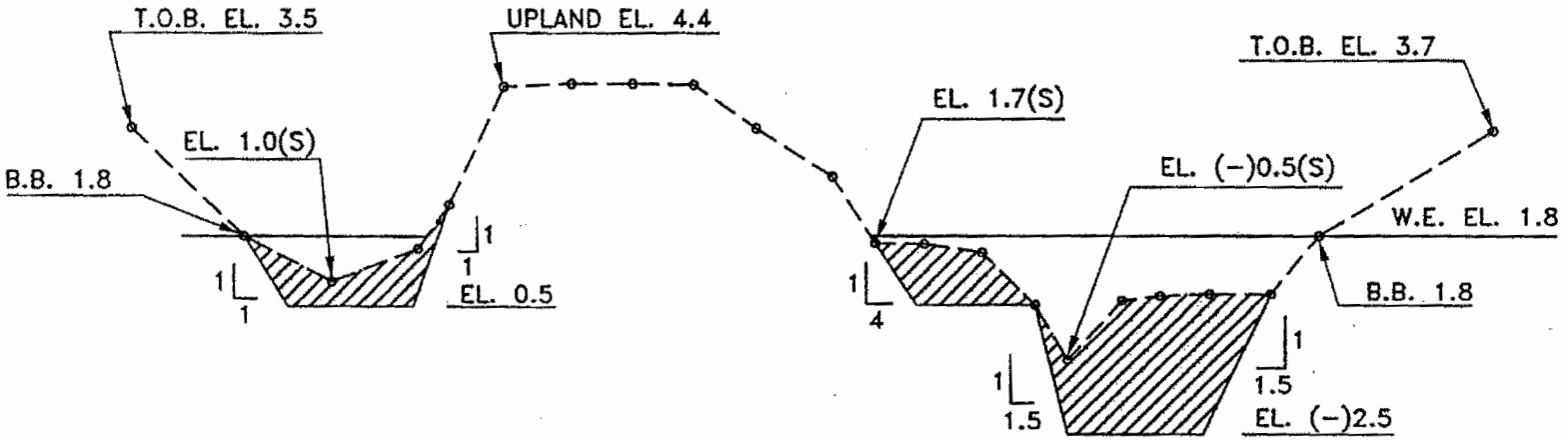
2/18/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 3 OF 17 DATE: 07-15-03

HIBIT 4



CROSS SECTION A–A



CROSS SECTION B–B

N.T.S.

LEGEND

T.O.B.	TOP OF BANK
B.B.	BOTTOM OF BANK
S	TOP OF SEDIMENT
W.E.	WATER ELEVATION

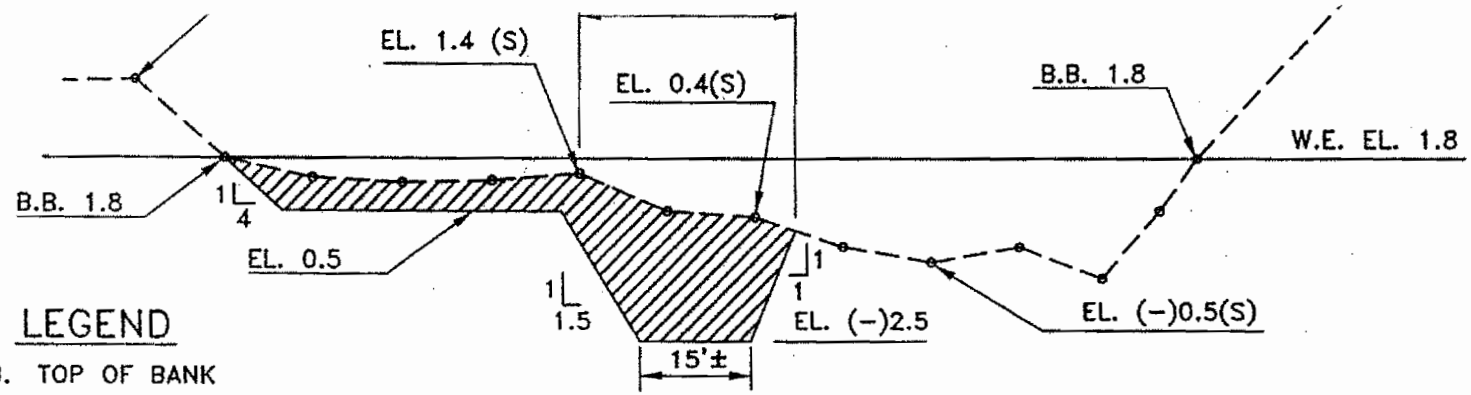
PURPOSE: REACH 1 SECTIONS A–A & B–B
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI–DADE, STATE OF FLORIDA
APPLICATION BY:
Miami–Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 4 OF 17
DATE: 07–15–03

P. 12

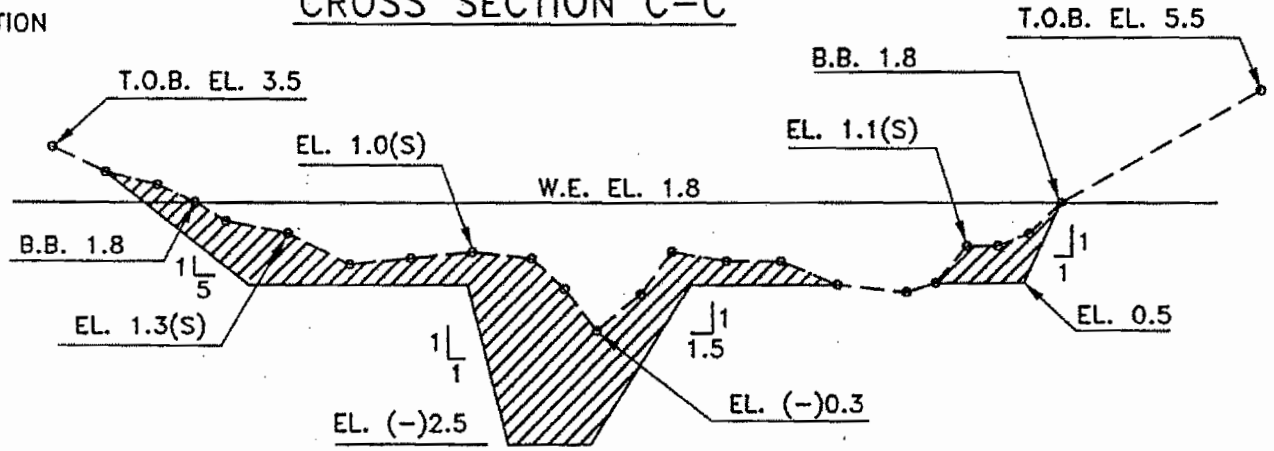
Attachment 1: Project Design Plans



LEGEND

T.O.B. TOP OF BANK
B.B. BOTTOM OF BANK
S TOP OF SEDIMENT
W.E. WATER ELEVATION

CROSS SECTION C−C



CROSS SECTION D−D

N.T.S.

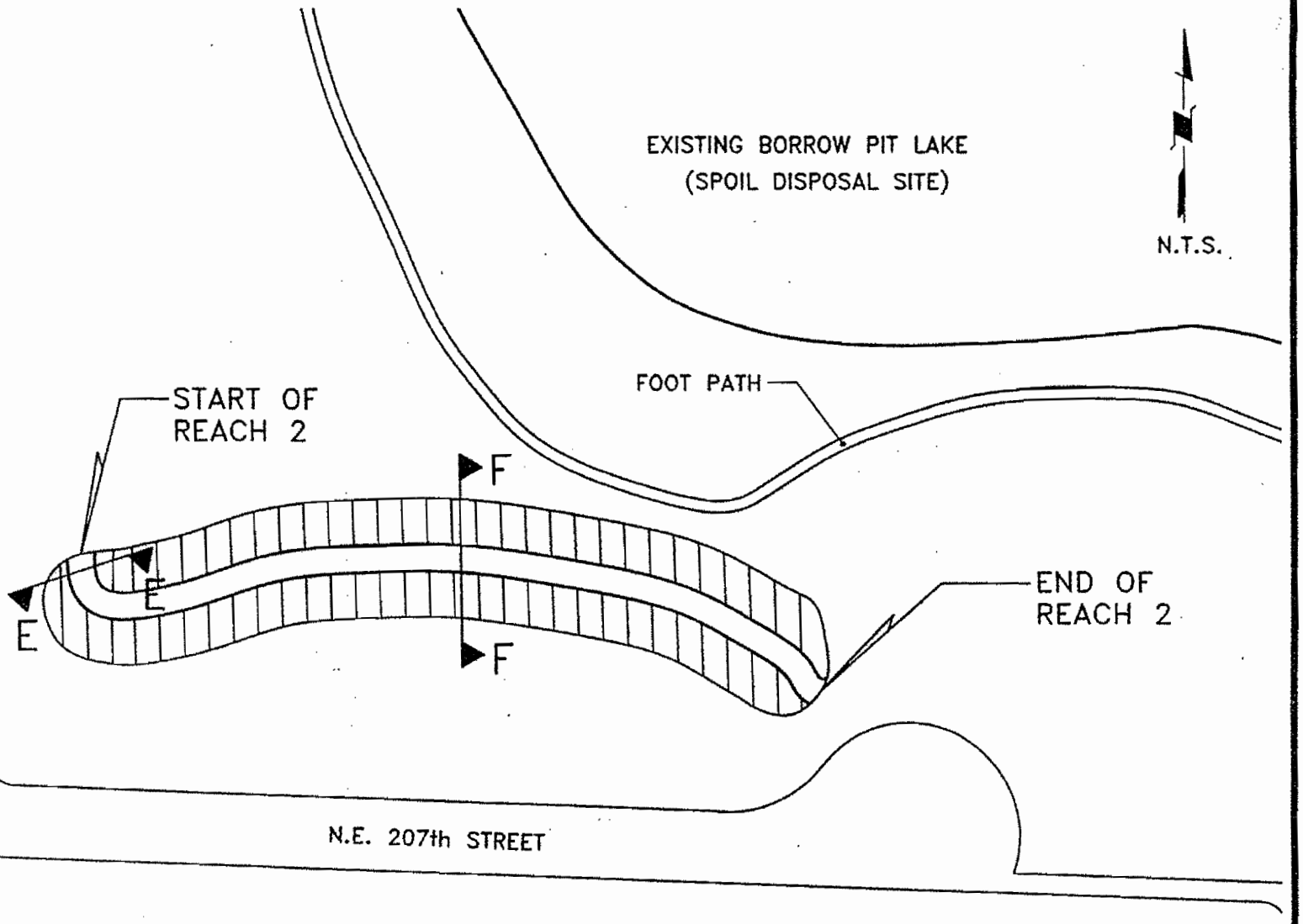
EXHIBIT 5

PURPOSE: REACH 1 SECTIONS C−C & D−D
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI−DADE, STATE OF FLORIDA
APPLICATION BY:
Miami−Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 5 OF 17 DATE: 07−15−03

EXHIBIT 6



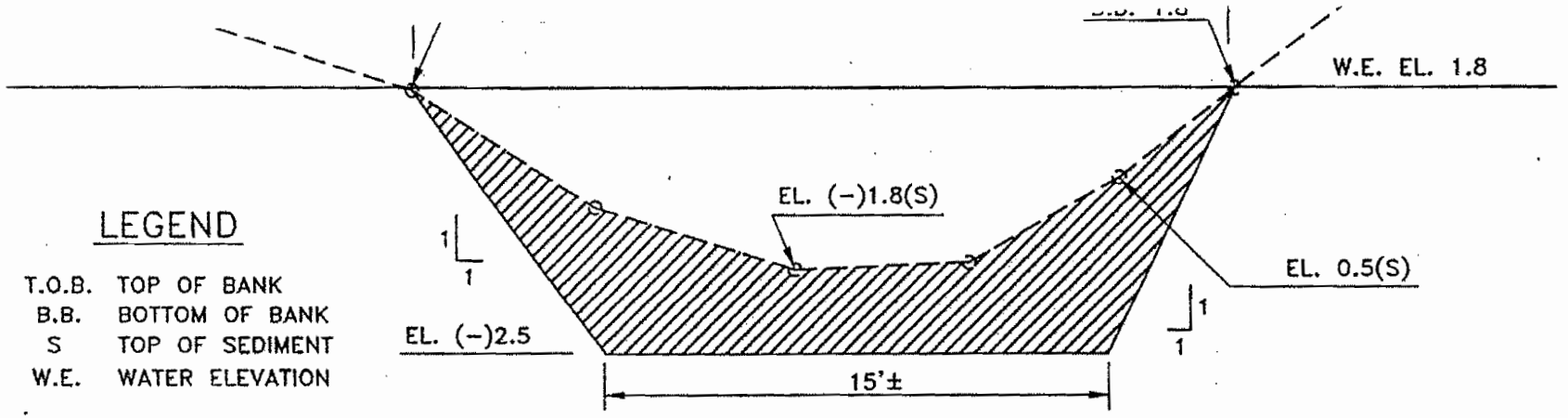
PURPOSE: REACH 2 PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/16/04

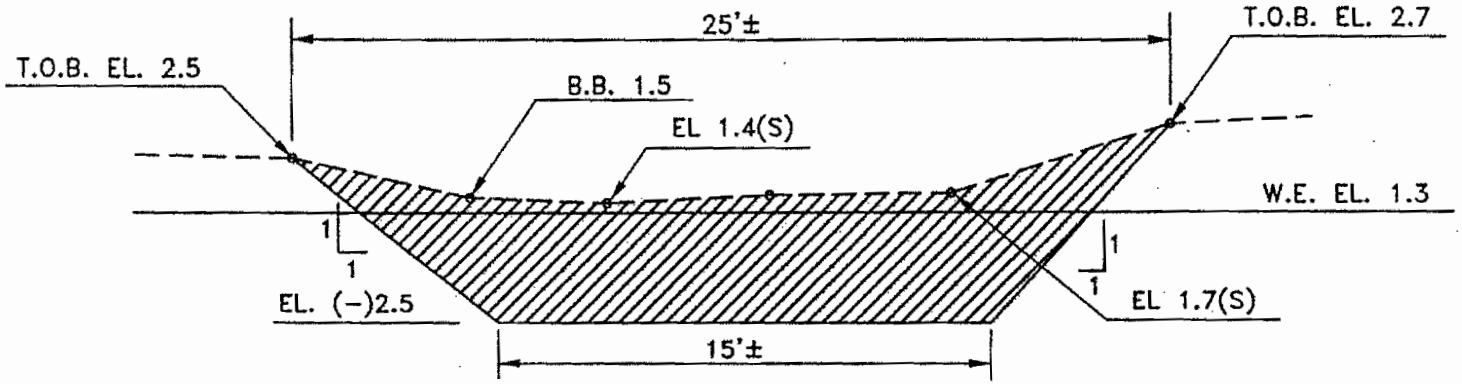
COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 6 OF 17 DATE: 07-15-03

p. 14

Attachment 1: Project Design Plans



CROSS SECTION E−E



CROSS SECTION F−F

N.T.S.

LEGEND

T.O.B.	TOP OF BANK
B.B.	BOTTOM OF BANK
S	TOP OF SEDIMENT
W.E.	WATER ELEVATION

EXHIBIT 7

PURPOSE: REACH 2 SECTIONS E−E & F−F
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

John Lattimore
2/18/04

COUNTY OF MIAMI−DADE, STATE OF FLORIDA
APPLICATION BY:
Miami−Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 7 OF 17
DATE: 07−15−03

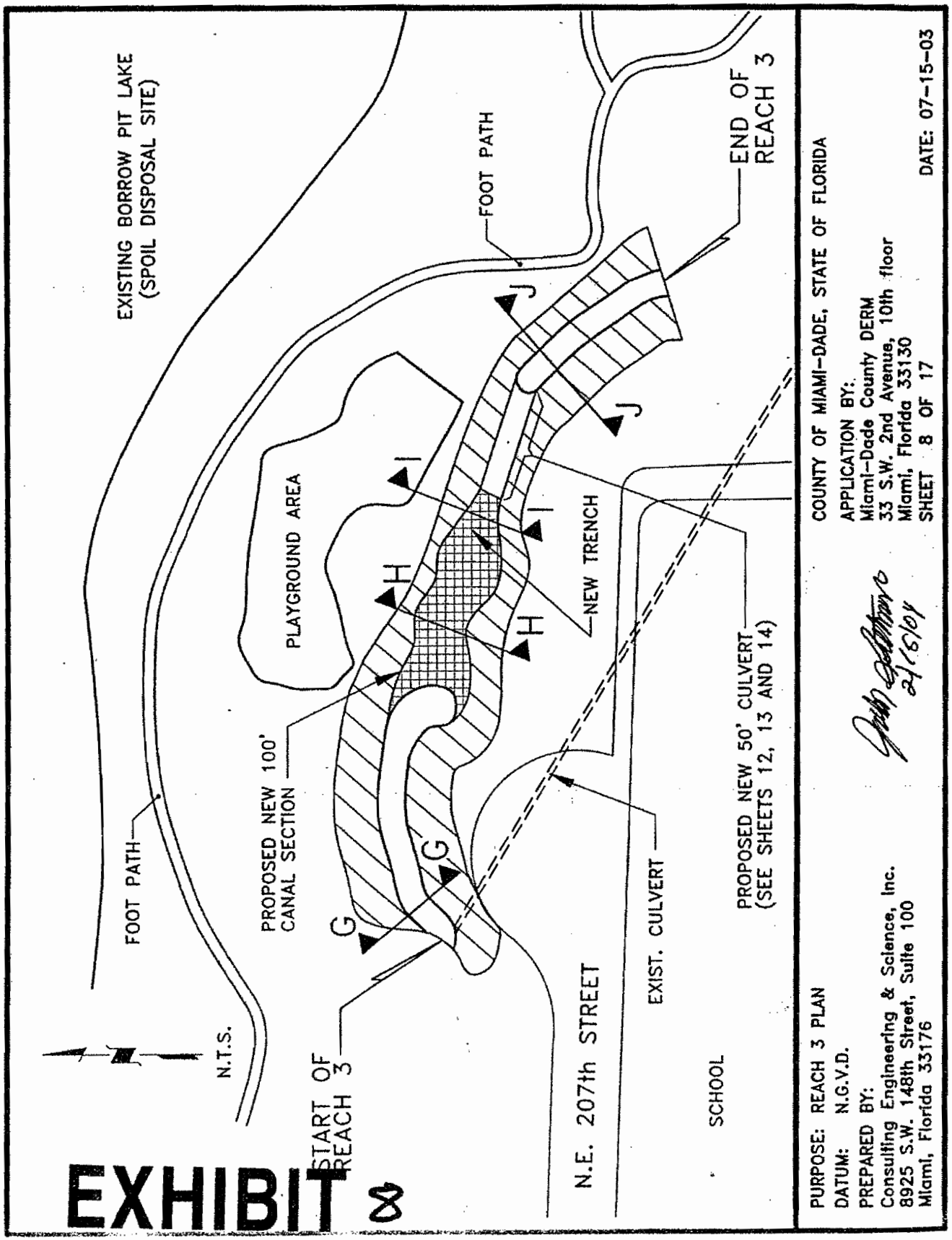
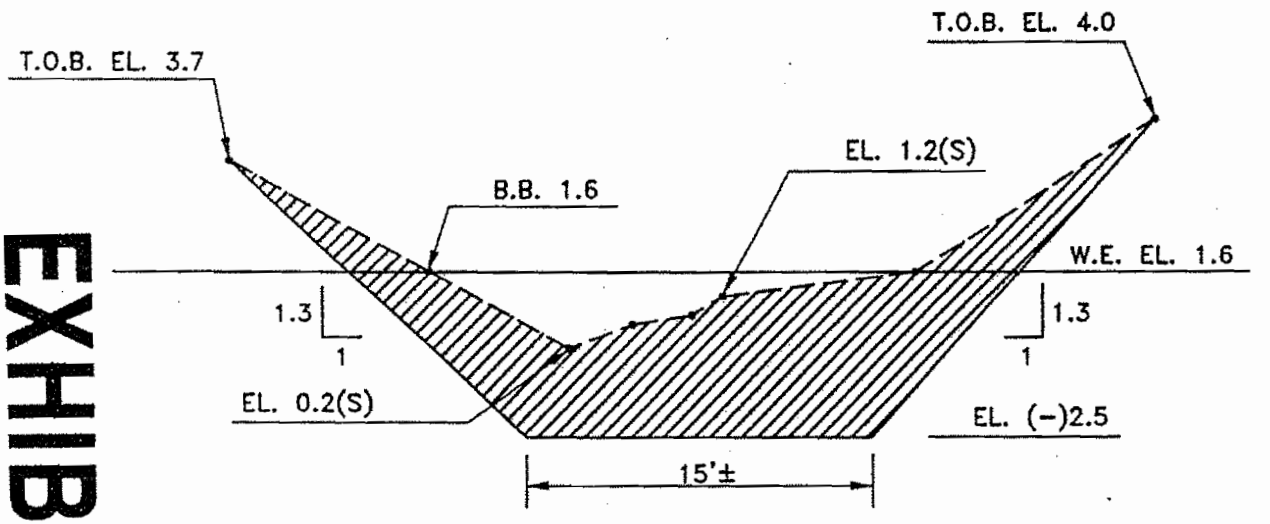
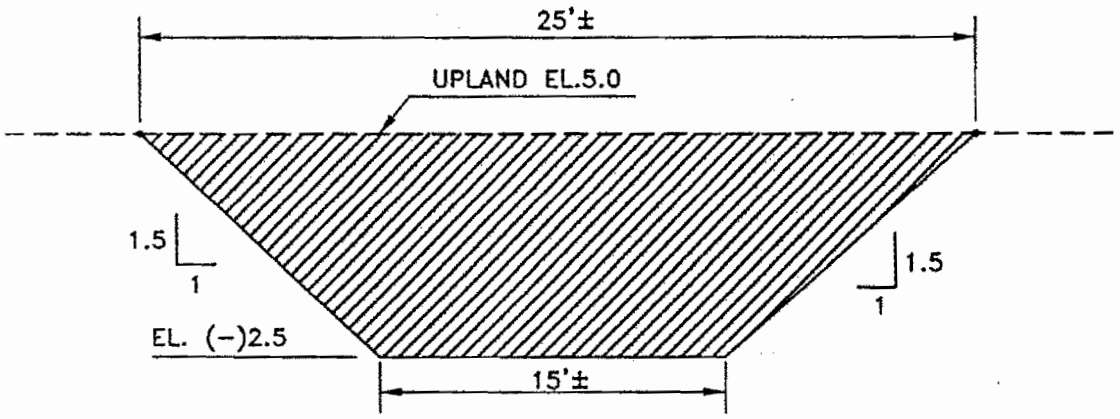

EXISTING BORROW PIT LAKE
(SPOIL DISPOSAL SITE)
FOOT PATH
FOOT PATH
END OF
REACH 3
PLAYGROUND AREA
PROPOSED NEW 100'
CANAL SECTION
NEW TRENCH
PROPOSED NEW 50' CULVERT
(SEE SHEETS 12, 13 AND 14)
EXIST. CULVERT
N.E. 207th STREET
SCHOOL
START OF
REACH 3
N.T.S.
G
H
I
J
EXHIBIT 8
PURPOSE: REACH 3 PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176
COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th floor
Miami, Florida 33130
SHEET 8 OF 17
DATE: 07-15-03

EXHIBIT 9



CROSS SECTION G-G



CROSS SECTION H-H

LEGEND

T.O.B.	TOP OF BANK
B.B.	BOTTOM OF BANK
S	TOP OF SEDIMENT
W.E.	WATER ELEVATION

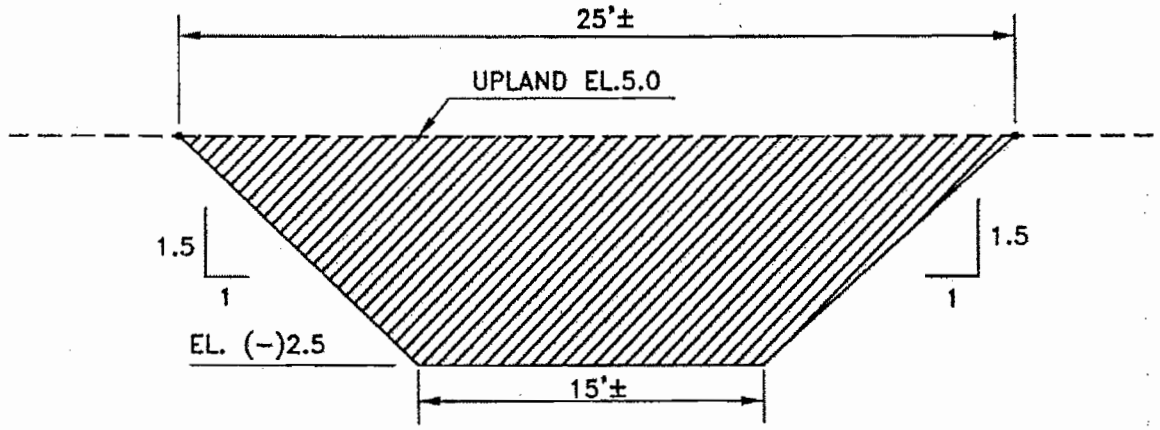
N.T.S.

PURPOSE: REACH 3 SECTIONS G-G & H-H
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 9 OF 17 DATE: 07-15-03

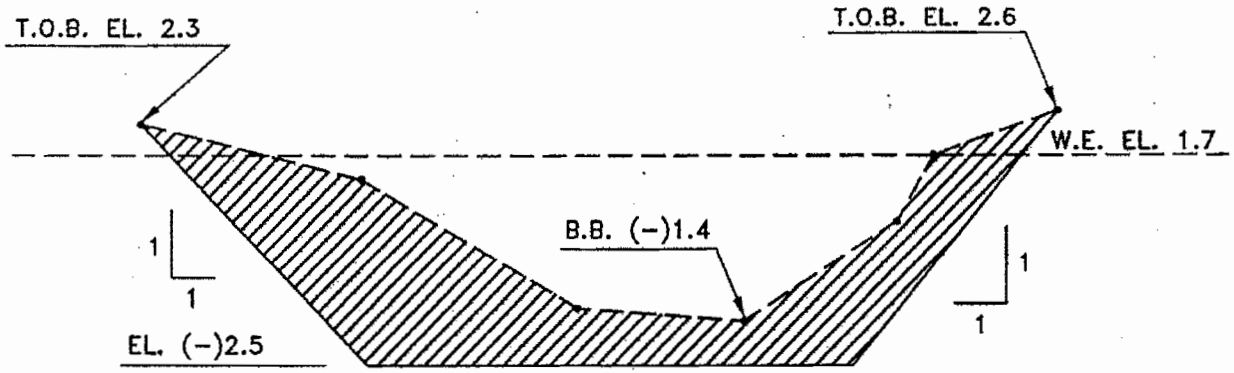
EXHIBIT 10



CROSS SECTION I–I

LEGEND

T.O.B.	TOP OF BANK
B.B.	BOTTOM OF BANK
S	TOP OF SEDIMENT
W.E.	WATER ELEVATION



CROSS SECTION J–J

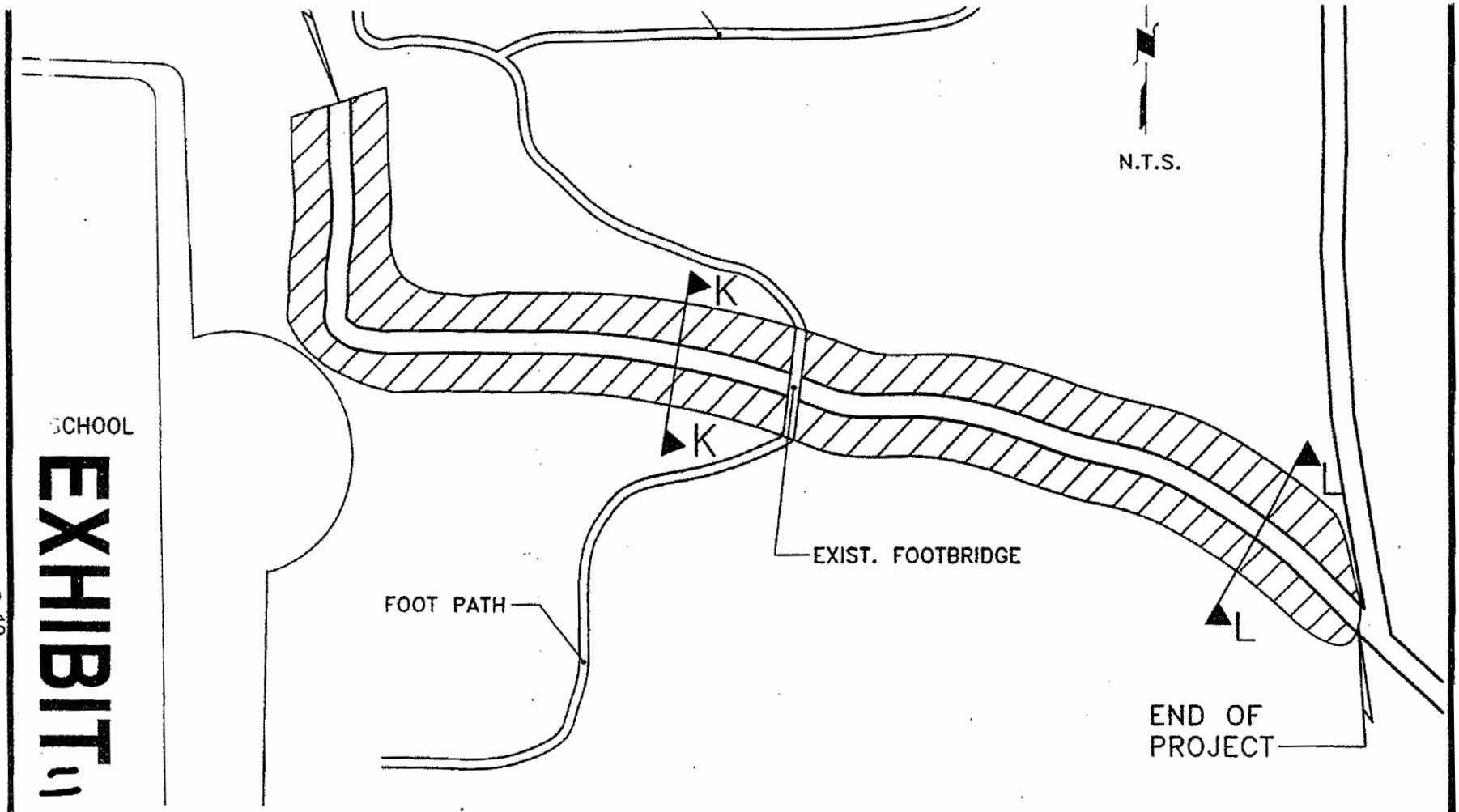
N.T.S.

PURPOSE: REACH 3 SECTIONS I–I & J–J
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8825 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI–DADE, STATE OF FLORIDA
APPLICATION BY:
Miami–Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 10 OF 17

DATE: 07–15–03



SCHOOL

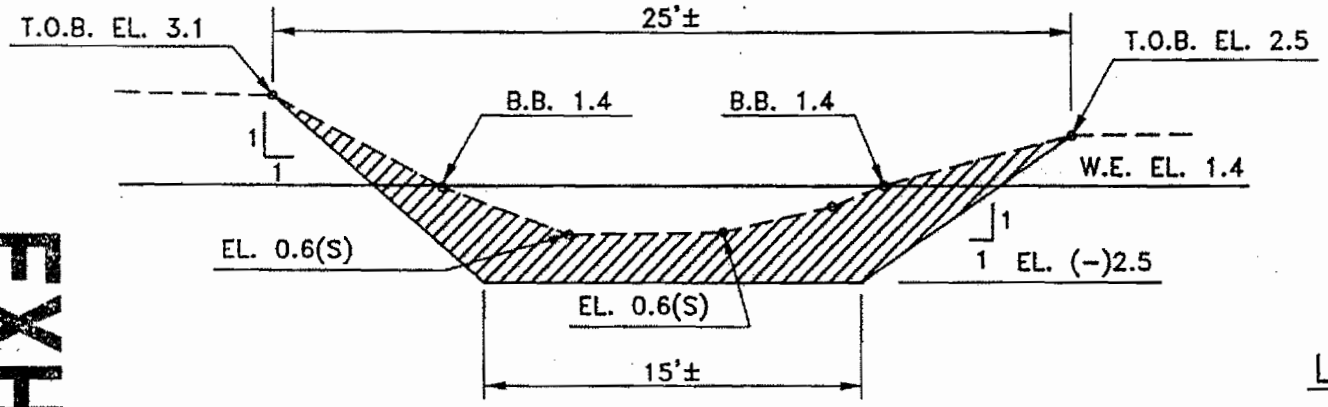
EXHIBIT 11

PURPOSE: REACH 4 PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8825 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 11 OF 17 DATE: 07-15-03

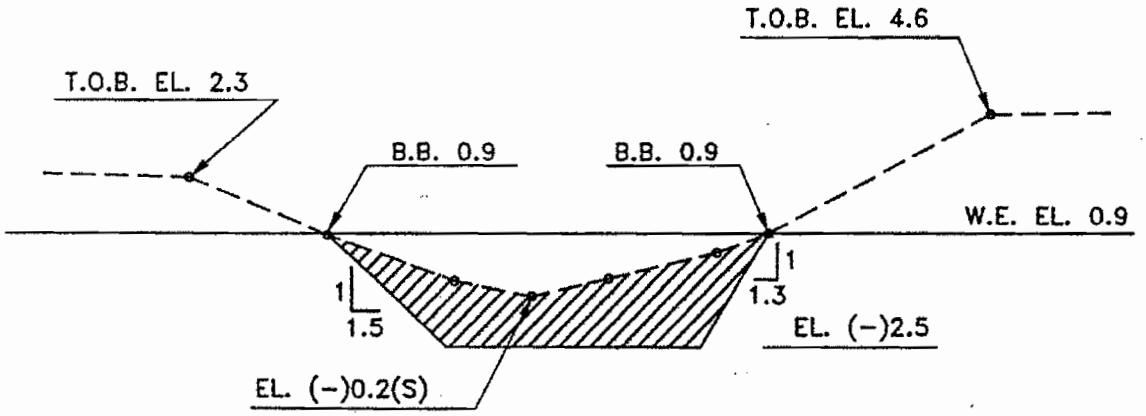
EXHIBIT 12



CROSS SECTION K–K

LEGEND

T.O.B.	TOP OF BANK
B.B.	BOTTOM OF BANK
S	TOP OF SEDIMENT
W.E.	WATER ELEVATION



CROSS SECTION L–L

N.T.S.

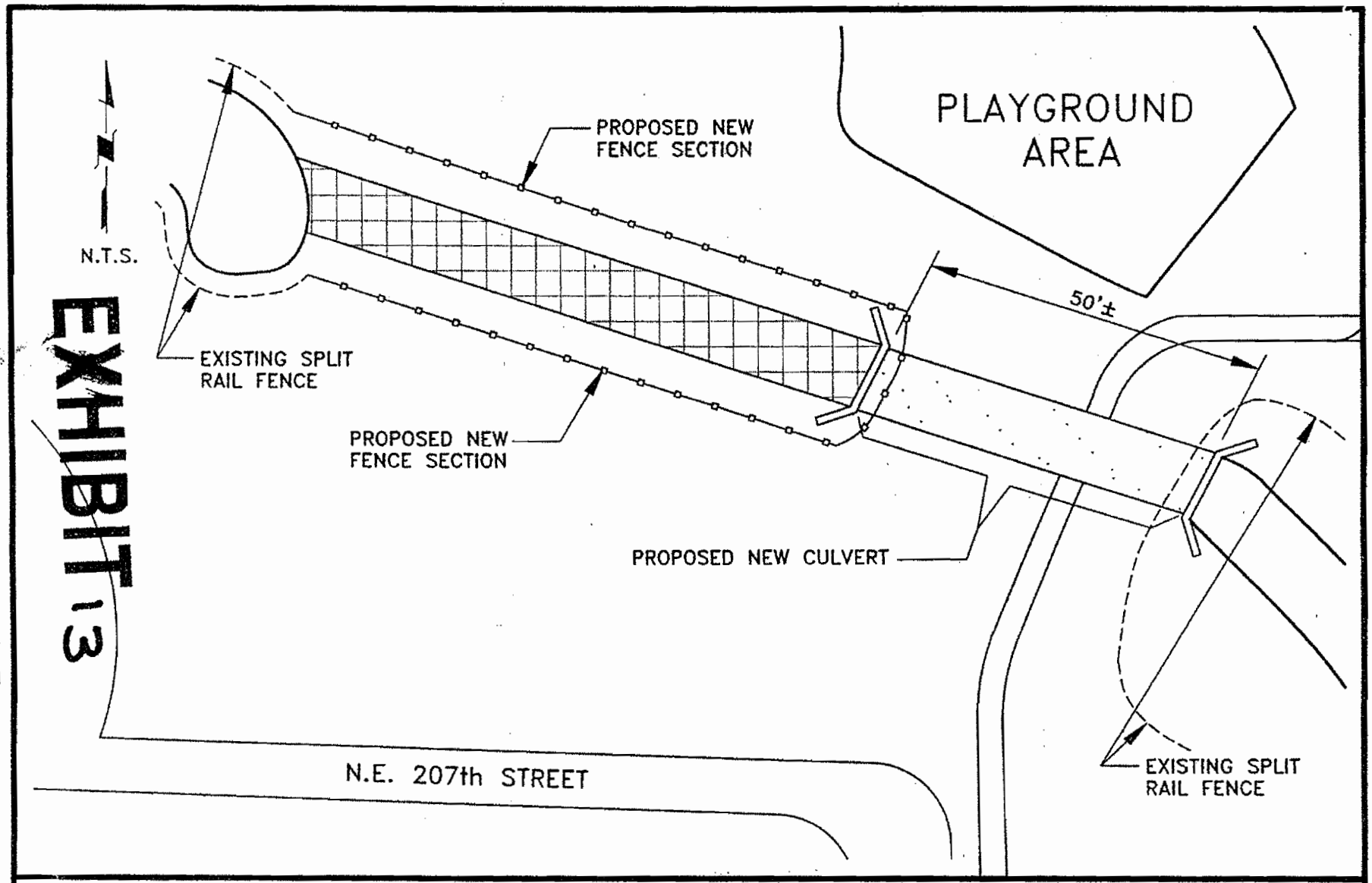
PURPOSE: REACH 4 SECTIONS K–K & L–L
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI–DADE, STATE OF FLORIDA
APPLICATION BY:
Miami–Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 12 OF 17

DATE: 07–15–03

84

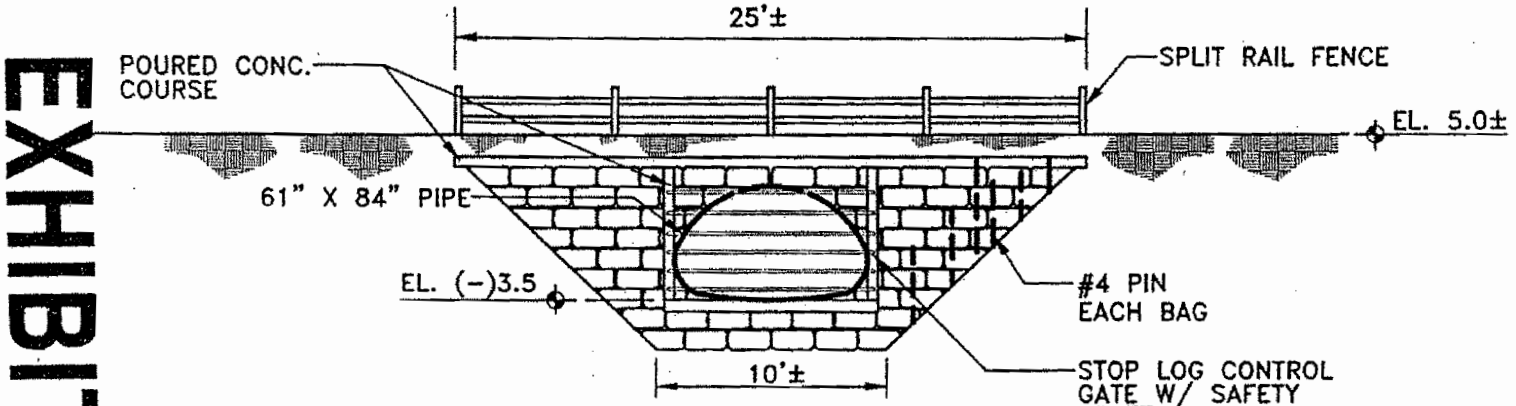


PURPOSE: CULVERT PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

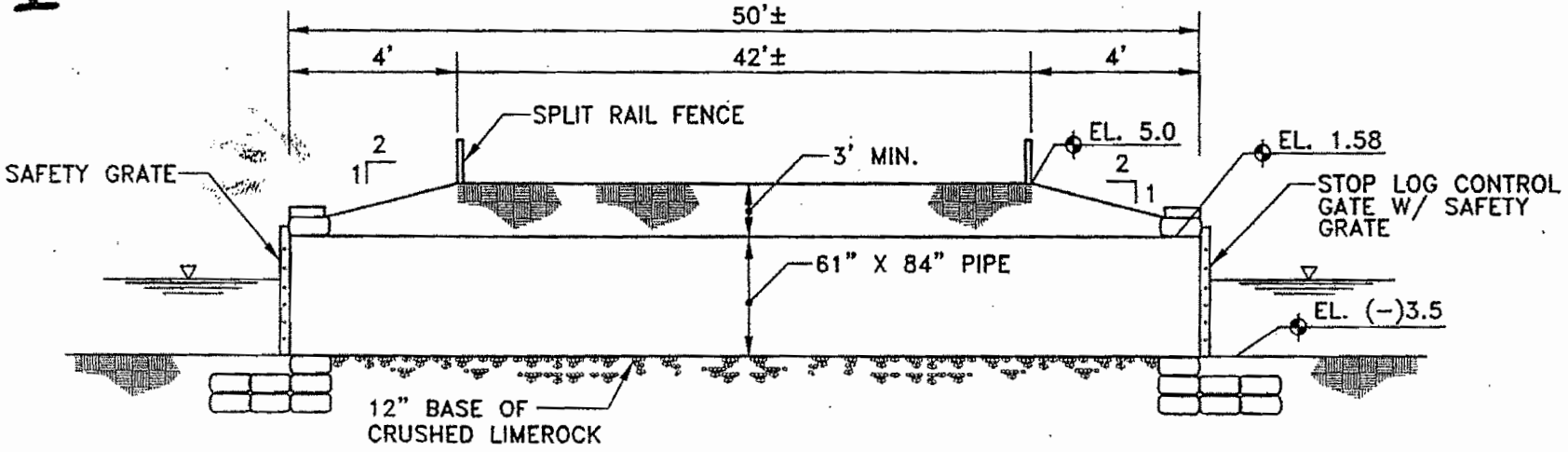
John Schuman
2/18/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th floor
Miami, Florida 33130
SHEET 13 OF 17
DATE: 07-15-03

EXHIBIT 14



END ELEVATION



LONGITUDINAL SECTION

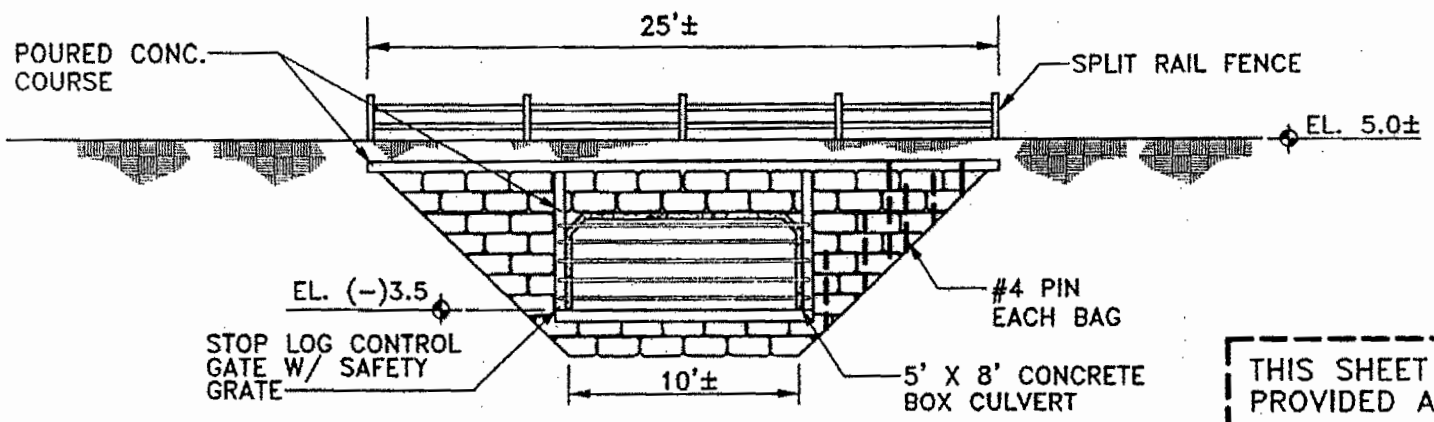
N.T.S.

PURPOSE: PIPE CULVERT END ELEVATION & LONGITUDINAL SECTION
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

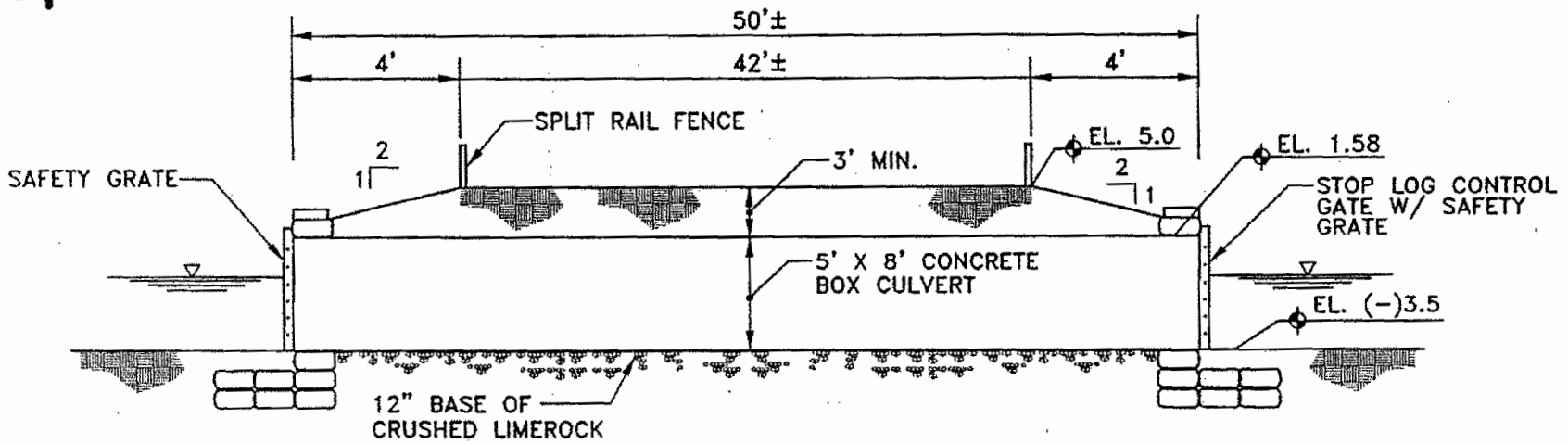
COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 14 OF 17
DATE: 07-15-03

EXHIBIT 's



THIS SHEET PROVIDED AS AN ALTERNATE

END ELEVATION



LONGITUDINAL SECTION

N.T.S.

PURPOSE: BOX CULVERT ALTERNATE
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/10/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 15 OF 17
DATE: 07-15-03

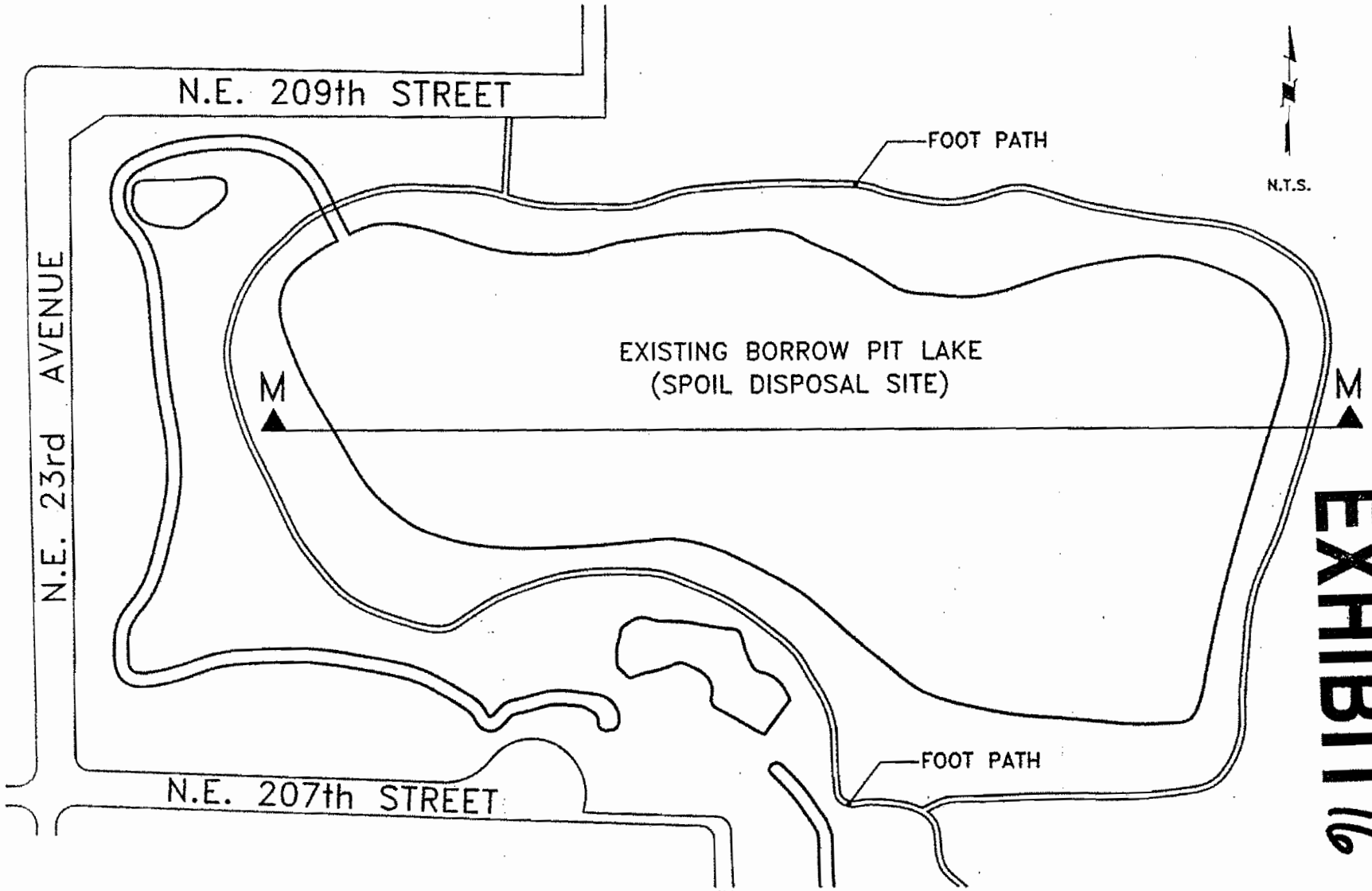


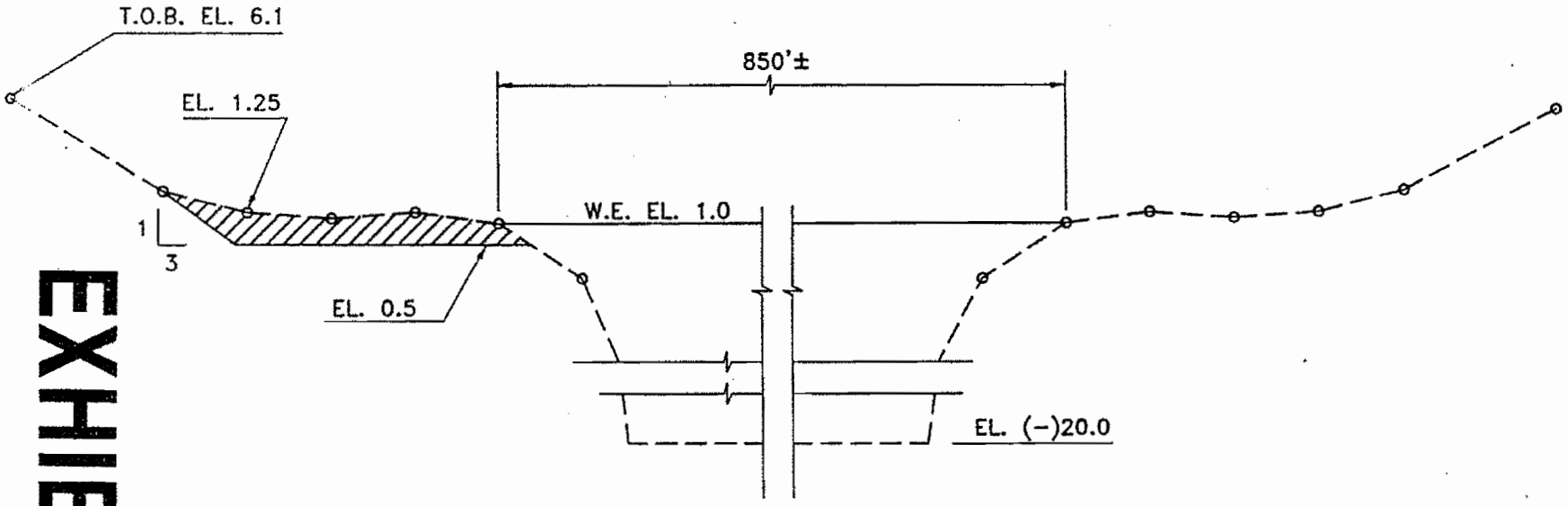
EXHIBIT 16

PURPOSE: LAKE SHORELINE PLAN
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 16 OF 17 DATE: 07-15-03

EXHIBIT 17



TYPICAL LAKE SHORELINE SECTION

N.T.S.

PURPOSE: TYPICAL SHORELINE LAKE SECTION
DATUM: N.G.V.D.
PREPARED BY:
Consulting Engineering & Science, Inc.
8925 S.W. 148th Street, Suite 100
Miami, Florida 33176

2/18/04

COUNTY OF MIAMI-DADE, STATE OF FLORIDA
APPLICATION BY:
Miami-Dade County DERM
33 S.W. 2nd Avenue, 10th Floor
Miami, Florida 33130
SHEET 17 OF 17
DATE: 07-15-03

STAFF REPORT DISTRIBUTION LIST

HEADWATERS OF THE OLETA RIVER ENVIRONMENTAL RESTORATION

Application No: 040219-3

Permit No: 13-02329-P

INTERNAL DISTRIBUTION

- X Eduardo J. Lopez - 4220
- X Ronald M. Peekstok - 4250
- X Carlos A. DeRojas, P.E. - 4220
- X Edward Cronyn - 4250
- X ERC Environmental - 4230
- X ERC Environmental - 4230
- X H. Azizi - 4230
- X H. Wheelock - 6820
- X Miami-Dade Service Center - 6820
- X Permit File

EXTERNAL DISTRIBUTION

- X Permittee - Miami-Dade County Park And Recreation
- X Adj Owner - Scho0l Board Of Miami-Dade County
- X Agent - Miami-Dade County Department Of

GOVERNMENT AGENCIES

- X Div of Recreation and Park - District 5 - FDEP
- X Florida Fish & Wildlife Conservation Commission - Bureau of Protected Species Mgmt
- X Miami-Dade County - DERM (Harvey Kottke, PE)
- X Miami-Dade County - DERM (Manny Tobon, PE, PLS)
- X Miami-Dade County Engineer Public Works Department

OTHER INTERESTED PARTIES

- X Water Management Institute - Michael N. Vanatta

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
4400 PGA Blvd, Suite 500
Palm Beach Gardens, FL 33410

REPLY TO
ATTENTION OF

AUG 0 2 2007

Palm Beach Gardens Regulatory Office
SAJ-2005-1549(NW-KLV)

Miami-Dade County Park and Recreation
Attn: Ms. Vivian Rodriguez
275 NW 2nd St., 5th Floor
Miami, FL 33128

Dear Ms. Rodriguez:

Your application for a Department of the Army permit received on February 9, 2005, has been assigned number SAJ-2005-1549(NW-KLV). A review of the information and drawings provided shows the proposed work is to perform the following activities: replacement of a nonfunctioning culvert, maintenance dredging of sediments within the stream bed, dredging of additional upland areas to expand the stream bed, and excavation of additional areas of adjacent wetlands to achieve a more desirable vegetative stratum. The project is located in the headwaters of the Oleta River at Highland Oaks Park, 20459 NE 24th Ave., Miami (Section 33, Township 51 S, Range 42 E) in Miami-Dade County, Florida.

Your project, as depicted on the enclosed drawings, is authorized by Nationwide Permit (NWP) Number 27. In addition, project specific conditions have been enclosed. This verification is valid until the NWP is modified, reissued, or revoked prior to August 1, 2009. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice if the NWPs are modified, reissued, or revoked. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' Jacksonville District's Regulatory web address at http://www.saj.usace.army.mil/permit/permitting/nwp.htm to access web links to view the Final Nationwide Permits, Federal Register Vol. 72, dated March 12, 2007, the Corrections to the Final Nationwide Permits, Federal Register 72, May 8, 2007, and the List of Regional Conditions. These files contain the description of the Nationwide Permit authorization, the Nationwide Permit

general conditions, and the regional conditions, which apply specifically to this verification for NWP 27. Additionally, enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with this verification:

1. Within 60 days of completion of the work authorized, the attached "Self-Certification Statement of Compliance" must be completed and submitted to the U.S. Army Corps of Engineers. Mail the completed form to the Regulatory Division, Enforcement Section, Post Office Box 4970, Jacksonville, Florida 32232-0019.

2. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date.

3. The permittee shall adhere to the attached standard manatee construction conditions.

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

This letter does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by

the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

If you are unable to access the Internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact Kelly Voloshin by telephone at 561-472-3526, by fax at 561-626-6971 or by email at Kelly.L.Voloshin@saj02.usace.army.mil.

Thank you for your cooperation with our permit program.

Sincerely,

for Myrna Lopez
Chief, South Section

Enclosures

Copies Furnished:

Miami-Dade County Department of Environmental Resources Management - Gary Milano
33 SW 2nd Ave., 10th Floor, Miami, FL 33130

CESAJ-RD-PE

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: NW-27
Application Number: SAJ-2005-1549(NW-KLV)

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

MIAMI - DADE COUNTY DEPARTMENT OF ENVIRONMENTAL
RESOURCES MANAGEMENT (DERM)
33 SW 2nd Avenue, Suite 400
Miami, FL 33130
Phone: 305-372-6575 Fax: 305-372-6479

CLASS I COASTAL CONSTRUCTION PERMIT

***********THIS PERMIT MUST BE KEPT ON SITE***********
DURING ALL PHASES OF CONSTRUCTION

PERMIT NO. CC04-053

ISSUE DATE: January 9, 2008 **EXPIRATION DATE:** December 6, 2010

ISSUED BY: Jesus A. Delgado **SIGNATURE:**

PERMITEE NAME: Miami-Dade County Park and Recreation Department
c/o Jack Kardys, Director

PROJECT LOCATION: 20459 N.E. 24th Avenue
Aventura, Florida

WATERWAY: Oleta River

PROPOSED WORK

Restoration and reconnection of the headwaters of the Oleta River at Highland Oaks Park as follows:

a) Reach 1
- dredging of a streambed to an elevation of –2.5 feet NGVD
- scrape down of wetlands to an elevation of +0.5 feet NGVD in order to promote growth of wetland vegetation
- supplemental plantings of *Eleocharis sp.*, *Scirpus californicus*, and *Sagittaria lancifolia* on 3-foot centers in the area of excavation

b) Reach 2
- dredging of a stream bed to an elevation of –2.5 feet NGVD
- cut slopes to a 1:1 slope

c) Reach 3
- dredging of 180 feet of upland to produce a 120-foot section of new stream bed and a 60-foot section of box culvert
- dredging of a stream bed to an elevation of –2.5 feet NGVD
- replacement of a non-functioning culvert with a new fifty 50-foot culvert
- supplemental plantings of *Eleocharis sp.* and *Sagittaria lancifolia* on 1-foot centers along the edges of the stream bank

d) Reach 4
- dredging of a stream bed to an elevation of –2.5 feet NGVD
- supplemental plantings of *Eleocharis sp.* and *Sagittaria lancifolia* on 1-foot centers along the edges of the stream bank

Attachment A: Project Description

ENGINEER OF RECORD: John Guttman, P.E. #24061

PLANS ENTITLED: Construction Drawings for Mitigation at Highland Oaks Park for Miami-Dade County

DATE SIGNED AND SEALED: March 26, 2007

All work shall be performed in accordance with the above referenced plans bearing a "FINAL APPROVAL" stamp from DERM, and in accordance with the attached specific and general permit conditions.

PERMITEE (Name, Address, & Telephone)	CONTRACTOR (Name, Address, Telephone, & License #)
Miami-Dade County Park and Recreation Dept. c/o Jack Kardys, Director 275 N.W. 2nd Street – 5th Floor Miami, Florida 33128 Tel: 305-755-7910	TBD

PERFORMANCE BOND AMOUNT: N/A

MITIGATION BOND AMOUNT: N/A

TOTAL AMOUNT OF BONDS REQUIRED: N/A

BBEETF CONTRIBUTION AMOUNT: N/A

PRE-WORK CONFERENCE REQUIRED ☑ YES ☐ NO

TO ARRANGE A PRE-CONSTRUCTION CONFERENCE OR TO SCHEDULE A FINAL INSPECTION, PLEASE CONTACT THE DERM COASTAL RESOURCES SECTION AT (305) 372-6575, OR BY FACSIMILE AT (305) 372-6479

UNLESS OTHERWISE EXEMPTED BY THE DERM, RECORD DRAWINGS (AS-BUILTS PLANS) MAY BE REQUIRED TO BE SUBMITTED TO DERM WITHIN THIRTY (30) DAYS OF PROJECT COMPLETION.

APPLICATION FEE: $15,175.00 **PERMIT FEE:** $0.00

AGENCIES OTHER THAN DERM FROM WHICH APPROVAL MAY BE NECESSARY:

1. **Local Municipality (structural, zoning, building)**
2. **Miami-Dade County Building Department (if located in unincorporated Miami-Dade County)**
3. **South Florida Water Management District (SFWMD)**
4. **Florida Department of Environmental Protection (FDEP),**
5. **U.S. Army Corps of Engineers (ACOE)**

REVIEWED BY: Lisa Spadafina
Coastal Resources Section

It is the permitee's responsibility to ensure that all other regulatory or proprietary permits and/or authorizations are obtained prior to commencement of work.

SPECIFIC CONDITIONS

1. The permittee and contractor are reminded and advised that based on the scope of work proposed in this permit, DERM is not authorized to verify the United States Army Corps of Engineers' (USACOE) SAJ42 general permit for this work. Therefore, the permittee and contractor must obtain a federal permit or exemption directly from the USACOE prior to commencement of work.

2. **The work authorized by this permit shall not commence until the name, address, telephone number, and license number of the contractor who will be performing the work has been submitted and written acceptance of the contractor by DERM has been issued.**

3. A DERM Class II Permit is required for the construction, installation and/or alteration of any outfall or overflow system in, on, under or upon any water body of Miami-Dade County, including but not limited to, canals, rivers, lakes, lagoons and/or all tidal water bodies. The contractor shall contact the Water Control Section of DERM at 305-372-6681 in order to ascertain whether a Class II Permit is required for the replacement of the existing culvert.

4. A DERM Tree Removal Permit may be required for any proposed removal or relocation of any trees. The contractor shall the Forest Resources Section of DERM at 305-372-6584 in order to ascertain whether a Tree Removal Permit is required.

5. A pre-work conference shall be held between the Contractor, a representative of the Miami-Dade Park and Recreation Department, and DERM prior to the commencement of work under this permit. Please contact John Ricisak of DERM's Coastal Resources Section in writing a minimum of 3 business days prior to the desired time of the pre-work conference.

6. Prior to the Pre-work Conference, the Permittee and Contractor shall place turbidity curtains along southern shoreline of the borrow lake to contain effluent. Said curtains shall remain in place throughout the entire construction period. Silt fences shall also be installed at the beginning of the riverbed to completely encapsulate the borrow lake. In order to ensure that the curtains and silt fences provide adequate containment, no work may commence on the project until the DERM staff has inspected these curtains and silt fences and approved their location. During this inspection, DERM may require realignment of the curtains and silt curtains to minimize avoidable impacts.

7. The proposed project is located in the vicinity of the Highland Oaks Archeological Site (DA-1036), therefore the applicant is required to obtain a Certification to Dig from the Miami-Dade County Office of Historic Preservation prior to the commencement of construction. Said Certification to Dig will include conditions requiring that an archaeological monitor be present during all work and that the Office of Historic Preservation be contacted in the vent that historic or archeological artifacts are discovered during the construction.

8. The permittee shall be responsible for maintaining the restored areas free of exotic invasive species (less than 5% exotic species).

9. All federal and state rules and regulations regarding the protection of threatened and endangered species shall be implemented if threatened or damaged species are observed within, or immediately adjacent to, the project area before or during construction. In addition, the qualified on-site biologist shall actively monitor the site for the presence of endangered and threatened species.

10. During construction operations, the contractor shall avoid and minimize impacts to adjacent or abutting mangrove trees to the maximum extent practicable.

11. Any mangroves that are to be removed and/or relocated shall be flagged by the contractor and shall be inspected and approved by DERM. Please contact John Ricisak of DERM's Coastal

Resources Section at 305-372-6581 at least 3 business days prior to the time of the desired inspection.

12. Trimming or alteration of mangroves, buttonwoods or other wetland vegetation is prohibited. Such work shall require additional Class I approval. John Ricisak of DERM's Coastal Resources Section shall be notified immediately at 305-372-6581 if any damage occurs to any mangroves, buttonwoods, or other wetland vegetation.

13. There shall be no staging of equipment, debris or other material within utility easements or in wetlands adjacent to the project site(s).

14. All soils removed during excavation and grading work shall be deposited into the adjacent borrow pit.

15. Prior to the final grading of the scrape down areas, the permittee and/or the contractor shall eradicate all exotic and nuisance vegetation within the 4 reaches using mechanical equipment. However, in areas where isolated mangrove stands and fringes exist, exotic and nuisance vegetation shall be treated with an appropriate herbicide and the stumps left in place to avoid any disturbance of wetland soils.

16. All vegetative debris generated from the removal of exotic and nuisance vegetation shall be disposed of at an appropriate upland disposal facility in accordance with all federal, state and local regulations. However, if the Permittee obtains a Burn Permit from the Miami-Dade County Fire Department and obtains prior approval from the FDEP, vegetative debris may be burned on site. A copy of the burn permit shall be provided to DERM prior to any burning.

17. All transitional slopes between the scraped down areas and adjacent uplands shall be graded as necessary and approved and shall be immediately stabilized to prevent erosion of fill into the restored wetlands.

GENERAL CONDITIONS

1. This permit must be kept on site during all phases of construction.

2. All work shall be performed in accordance with the above referenced plans and in accordance with the attached specific and general permit conditions. If a General Condition(s) conflicts with a Specific Condition(s) in this permit document, the Specific Condition shall be the controlling condition for work authorized by this permit.

3. This permit only authorizes the work described in page 1 under PROPOSED WORK. Any additional work in, on, over or upon tidal waters or coastal wetlands at the property shall require additional Class I approval.

4. Any deviation from the approved plans for this project shall be submitted in writing to, and approved by DERM prior to the commencement of this project. The contractor and the permittee shall take whatever remedial action is necessary to bring the project into compliance with the permit and approved plans upon determination by DERM that the structure is not in compliance with such.

5. DERM shall be notified no later than forty-eight (48) hours and no earlier than five (5) days prior to the commencement of the work authorized by this permit, unless otherwise noted herein. The permittee and/or contractor may notify DERM by calling (305) 372-6575 or by submitting the attached Notice of Commencement of Construction via hand delivery, U.S. Mail, or facsimile at (305) 372-6479.

6. Prior to performing any work, the contractor shall verify the location of all underground and overhead utility lines and verify that no utilities will be damaged by the work. Contact Sunshine State One-Call of Florida at 1-800-432-4770 or on the web at http://www.callsunshine.com/corp/before/submitting.html for locating underground utility lines.

7. The permittee and the contractor are hereby advised that under Florida law, no person shall commence any excavation, filling, construction, or other activity involving the use of sovereign or other lands of the State, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Florida Department of Environmental Protection (FDEP), until such person has received the required authorization for the proposed use from the Board of Trustees or FDEP. If such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to $10,000 per offense pursuant to the Florida Administrative Code.

8. All contractors performing work authorized by this permit shall hold an applicable certificate of competency and shall be licensed in Miami-Dade County and/or the State of Florida.

9. The contractor shall take all necessary precautions to prevent construction or demolition debris from falling into the water or adjacent wetlands. Any debris that falls into the water and/or wetlands shall be removed immediately. Construction and demolition debris shall be disposed of in accordance with all federal, state and local regulations.

10. Turbidity controls (such as, but not limited to, turbidity curtains) shall be implemented whenever visible plumes are present to ensure compliance with the water quality standards stipulated in Section 24-42(3), of the Code of Miami-Dade County. Turbidity controls shall be employed and maintained in the most effective manner possible to prevent turbidity from extending beyond the control mechanism in place.

11. Turbidity may not exceed twenty-nine (29) Nephelometric Turbidity Units (NTU's) above background beyond fifty (50) feet from the point of discharge. Turbidity levels shall be monitored continuously when turbidity plumes are visible beyond a fifty (50) foot radius of the point of discharge. If the turbidity levels exceed the above standard, all construction shall stop and additional turbidity controls shall be implemented. Work shall not resume until the contractor has implemented adequate turbidity control methods and has received authorization from DERM to recommence work. At DERM's discretion, turbidity samples may be required and shall be collected in accordance with Section 24-44.2(3), of the Code of Miami-Dade County, or as specified by DERM, and the results sent directly to the DERM Project Manager on a weekly basis.

12. If any work or activity associated with this project is to take place in navigable waters, the contractor shall instruct all personnel associated with the project of the potential presence of manatees and the need to avoid collision with manatees. All vessels associated with the project must operate at "No Wake/Idle Speed" at all times while in water where the draft of the vessel provides less than a four (4) foot clearance from the bottom. Additionally, all vessels will follow routes of deep water whenever possible. **All in-water construction activities shall cease upon the sighting of a manatee(s) within fifty (50) feet of the project area and will not resume until the manatee(s) has departed the project area.** Any collision with and/or injury to a manatee shall be reported immediately to the "Manatee Hotline" (1-888-404-FWCC), the U.S. Fish and Wildlife Service, Jacksonville Field Office (904) 791-2580, and DERM (305) 372-6854.

13. The contractor shall ensure that all watercraft associated with the construction shall operate within waters of sufficient depth so as to preclude bottom scouring or prop dredging and shall maintain a minimum of one (1) foot of water between the vessel bottom and submerged aquatic resources.

14. Pursuant to Section 24-48.10, of the Code of Miami-Dade County, the work or structures authorized under this permit shall be privately maintained by the applicant, his successors and assigns. Whenever, in the opinion of the Director of the DERM, said work or structures are not maintained in such a manner so as to prevent deterioration to the extent that they become a hazard to the public or to navigation, or create an obstruction of flow, or prevent access for drainage maintenance purposes, or may damage adjacent property, then the owner is required to perform any necessary remedial work.

15. Pursuant to Section 24-48.24, of the Code of Miami-Dade County, the installation or construction of non-water-dependent fixed structures (i.e. covered structures, canopies, helicopter pads, commercial signs, etc.) is prohibited in, on, over or upon any of the tidal waters of Miami-Dade County, constitutes a violation of this permit and may subject the permittee to enforcement action without further warning.

16. The time allotted to complete the work for which this permit has been issued shall be limited to the period stipulated on the permit unless the permittee requests an extension of time from the Department in writing at least thirty (30) days prior to the date of permit expiration. Applications for extensions of time that are not timely filed pursuant to Section 24-48.9(2)(b), of the Code of Miami-Dade County will be returned to the applicant.

17. An Application for Transfer of a Class I Permit may be filed with DERM at any time prior to the transfer of property ownership up to 120 days after the date of transfer of fee simple ownership of the property that is the subject of the permit. The Application for Transfer must be signed by both the transferee and transferor. Applications for Transfer shall be filed in the form prescribed by DERM and shall not be processed if the filed Application for Transfer is not fully complete in all respects pursuant to Section 24-48.18, of the Code of Miami-Dade County within 120 days of the date of transfer of property ownership.

18. If the project involves construction, replacement, or repair of a seawall, the new seawall cap shall be a minimum of six (6) inches above the final grade of the uplands immediately adjacent, and in order to prevent positive drainage of stormwater into the waterway, all uplands immediately adjacent to the new seawall shall be graded away from the waterway.

19. A performance and/or mitigation bond may be held to ensure compliance with the aforementioned conditions and the completion of any required mitigation. Failure to comply with any of these conditions may result in the revocation by Miami-Dade County of all or a portion of the bond without further notice.

MIAMI-DADE COUNTY

DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT

33 SW 2ND AVE, Ste 400, Miami, FL 33130
Phone 305-372-6585 Fax 305-372-6479

NOTICE OF COMMENCEMENT OF CONSTRUCTION

PERMIT NO.: _____

PERMITTEE'S NAME: _____

PROJECT LOCATION: _____

PERMIT ISSUANCE DATE: _____

CONTRACTOR NAME: _____

PROPOSED DATE OF COMMENCEMENT: _____

ANTICIPATED DATE OF COMPLETION: _____

COMMENTS: _____

ATTACHMENT A -Project Description

Headwaters of the Oleta River
Highland Oaks Park, Miami-Dade County

Introduction

The headwaters of the Oleta River are located within Highland Oaks Park in Northeast Miami-Dade County. Historic aerial photography indicates that this tributary once extended further west; however, Highland Oaks Park is now the last remaining segment of this natural water course. The existing tributary or stream bed is typically 25 feet across and connects at the northernmost section to a borrow pit (see Figure 1). The stream bed is currently sub-divided into a freshwater and slightly brackish water system by a non-functioning pipe culvert approximately 300 feet long. The pipe culvert only facilitates water flow downstream during/after large rain events thus isolating the northern section of the tributary from tidal flow. As a result of the defunct culvert, the northern portion of the tributary is experiencing a build-up of sediments which causes sections of the tributary to dry up for the majority of the year.

The objective of this project is to re-establish the hydrology to the northern portion of the tributary which would then flush daily with tidal cycles yet remain inundated at a depth suitable to be utilized by diadromous fish. The proposed project would be achieved by replacing a non functioning culvert, dredging sediments within the stream bed to facilitate water flow, and dredging of additional upland areas to expand the stream bed. In addition, we are also proposing to scrape-down additional areas within an adjacent wetland in order to achieve and support a more desirable vegetative stratum. All dredged material will be deposited in the adjacent borrow pit. In order to describe the project, the stream bed has been divided into four Reaches beginning at the north project limits (see Figure 2) including a separate Lake Shoreline Section. The Reaches and Shoreline Section also correspond to the permit sketches.

Reach 1

The stream begins at the borrow pit meandering west and south through an existing wetland marsh. The wetland elevations are typically range from +0.5 to +1.5 NGVD. There are large areas within this wetland that are currently at an elevation that support the exotic torpedo grass (*Panicum repens*) and the

FIGURE 1. HIGHLAND OAKS PARK

PROJECT LOCATION and FLUCCS CODES

ATTACHMENT A -Project Description Con't

nuisance cattail (*Typha domingensis*). These exotic/nuisance species are found typically at an elevation above +1.0. The remaining areas of lower elevation are dominated by the native, desirable spike rush (*Eleocharis cellulosa*) which is found at elevations ranging from +0.2 to +0.9. Smaller, deeper areas of inundation are supporting waterlily (*Nymphaea odorata*) as well as other native aquatic vegetation. The tributary bisects the wetland and is typically a foot deeper and approximately 20-25 feet wide.

Within this Reach, we propose to excavate the tributary to an elevation of -2.5 and scrape-down the areas of higher elevation (> +0.9) within the wetland to +0.5 in order in order to achieve the desired vegetative stratum. Excavation of this section would require a clam shell bucket extended from the upland. After excavation is complete, supplemental plantings would consist of spike rush, giant bull rush (*Scirpus californicus*), and arrowhead (*Sagittaria lancifolia*) installed on 3-foot centers.

Reach 2

This Reach is virtually dry during the majority of the year. Sedimentation has reduced the tributary to a muck wetland approximately 25 to 30 wide that is supporting leather fern (*Acrostichum danaeifolium*) and arrowhead. In addition, the remnant tributary is surrounded by large specimens of pond apple (*Annona glabra*).

Our intent within this Reach would be to excavate the mucky sediment down to -2.5 continuing the elevation and shape of the excavated stream bed in Section A. Please note that in order to achieve constant hydrology, the stream bed will have to be scraped-down to this elevation over the entire length of the project. Furthermore, the majority of the slopes will have to be cut to a 1:1 slope. Please note that adjustments will be made in the field during construction as needed to avoid impacts to large pond apple trees.

Since this area has an overhead canopy of native desirable vegetation, we propose to use a section dredge to reduce impacts

ATTACHMENT A -Project Description Con't

to native species. The suction dredge will have to be utilized during the rainy season when this area is inundated with rainwater. If a suction dredge is not feasible, a claim bucket will have to be utilized from the adjacent upland and trimming of the pond apples will have to occur to gain access. In addition, vegetative specimens may have to be transplanted to the adjacent wetlands until a final elevation is reached whereas supplemental plantings of leather fern and arrowhead will be installed along edge of the stream bank on 1-foot centers.

Reach 3

This Reach entails the excavation of 180 feet of upland to produce a 120-foot section of new stream bed and a 60-foot section of box culvert as well as the excavation of sediments in the existing stream bed continuing the shape and structure of the excavation. The new section will be excavated to match the -2.5 footprint of the previous sections. Since this section abuts a children's playground, a wooden fence will be installed around the stream bed. A claim bucket will be utilized during this section as environmentally sensitive native trees are not present. Existing utility guy wires and small amounts of plumbing for a water fountain will also have to be relocated at this section. After the excavation is complete, the edges of the stream bank will be planted with spike rush and arrowhead on 1-foot centers

Reach 4

This portion of the stream bed is inundated during the entire year and is hydrologically connected to Biscayne Bay. Work within this Reach will entail the continued excavation of sediments from the stream bed to match the bottom elevation of -2.5. This section will be approached in a similar way as Section B as a majority of this section has overhead canopy of pond apples. This section has upland on the north side of the stream bed; however, much of this upland is planted with native hardwood hammock species. Portions of these trees may have to be transplanted temporarily or replaced after construction is completed. After the excavation is complete, the edges of the

ATTACHMENT A -Project Description Con't

Page 4

stream bank will be planted with spike rush and arrowhead on 1-foot centers.

Lake Shoreline Section

This area is located at the western perimeter of the burrow pit. This section is currently supporting large stands of cattails at an elevation greater than +1.0. We propose to scrape down this section to an elevation of +0.5 in order to support native vegetation and extend the littoral shelf of the burrow pit. After the scrape down is complete spike rush, giant bulrush, arrowhead, and soft rush (*Juncus effusus*) will be planted on 2-foot centers.

Conservation Measures

Turbidity curtains, silt fence and/or other erosion control devices will be utilized to promote best management practices. Prior to depositing material into the borrow pit, silt fence will be installed at the beginning of the river bed to completely encapsulate the pit. Turbidity curtains will be utilized in the pit surrounding the area that will receive the dredged material.

Transplanting of native desirable vegetation and trimming will occur in order to grant access to the canopy areas and excavate. A biologist will supervise construction crew in order to avoid unnecessary impacts to native vegetation. Supplemental planting of wetland vegetation will occur at the edges of the stream bed as well as the wetland marsh areas. A maintenance and monitoring plan will be utilized to suppress all exotic/nuisance species and document the survivorship of planted material as well as native recruitment. The monitoring & maintenance plan will occur semiannually the first year and annually for four years following.

In addition, an E.P.A. NPDES permit will be applied for by the contractor utilizing a Storm Water Pollution Prevention Plan.

ATTACHMENT A -Project Description Con't

Page 5

Summary

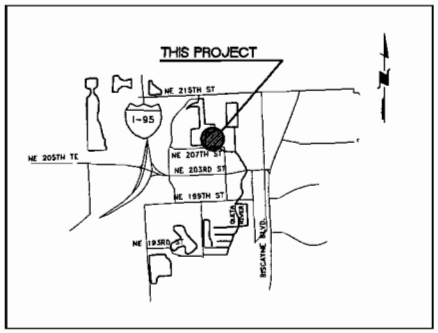
The project goal is the reestablishment of a hydrologic regime at the headwaters of the Oleta River. The proposed project would entail the replacement of a non functioning culvert, dredging of sediments within the stream bed, and dredging of additional upland areas to expand the stream bed. In addition, we are also proposing to scrape-down additional areas within an adjacent wetland in order to achieve a more desirable vegetative stratum. We understand that the areas we are working in are environmentally sensitive and that impacts to the areas will occur; however, the overall net benefit to the system will occur with restored hydrology. With the reestablishment of historic hydrology to the northern portion of the tributary, the headwaters of the Oleta River would then be utilized by diadromous fish converting the borrow pit and adjacent wetlands into an estuarine system. In addition, we hope the additional wetland areas that will be lowered to a more suitable elevation for native desirables will eventually become self sustaining.

CONSTRUCTION DRAWINGS FOR

MITIGATION AT HIGHLAND OAKS PARK

FOR

MIAMI-DADE COUNTY DERM



LOCATION MAP
N.T.S.

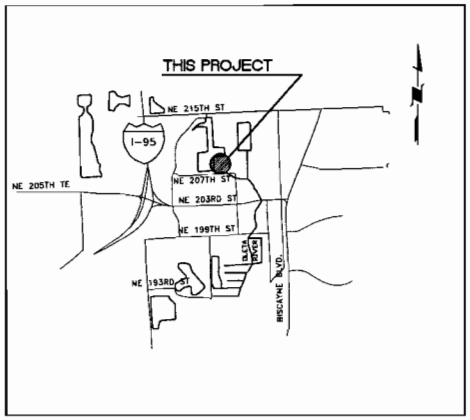
INDEX OF DRAWINGS

SHT. NO.	DWG. NO.	DESCRIPTION
1	---	COVER
2	C-1	OVERALL SITE PLAN AND NOTES
3	C-2	REACH 1 - PLANS, SECTIONS AND NOTES
4	C-3	REACH 2 - PLANS, SECTIONS AND NOTES
5	C-4	REACH 3 - PLANS, SECTIONS AND NOTES
6	C-5	REACH 4 - PLANS, SECTIONS AND NOTES
7	C-6	CULVERT - PLAN, SECTIONS AND ELEVATIONS
8	C-7	LAKE SHORELINE - PLAN AND SECTION

PREPARED BY
CONSULTING ENGINEERING & SCIENCE, INC.
8925 S.W. 148TH STREET, SUITE 100
MIAMI, FLORIDA 33176

PREPARED FOR
MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

100% SUBMITTAL



VICINITY MAP
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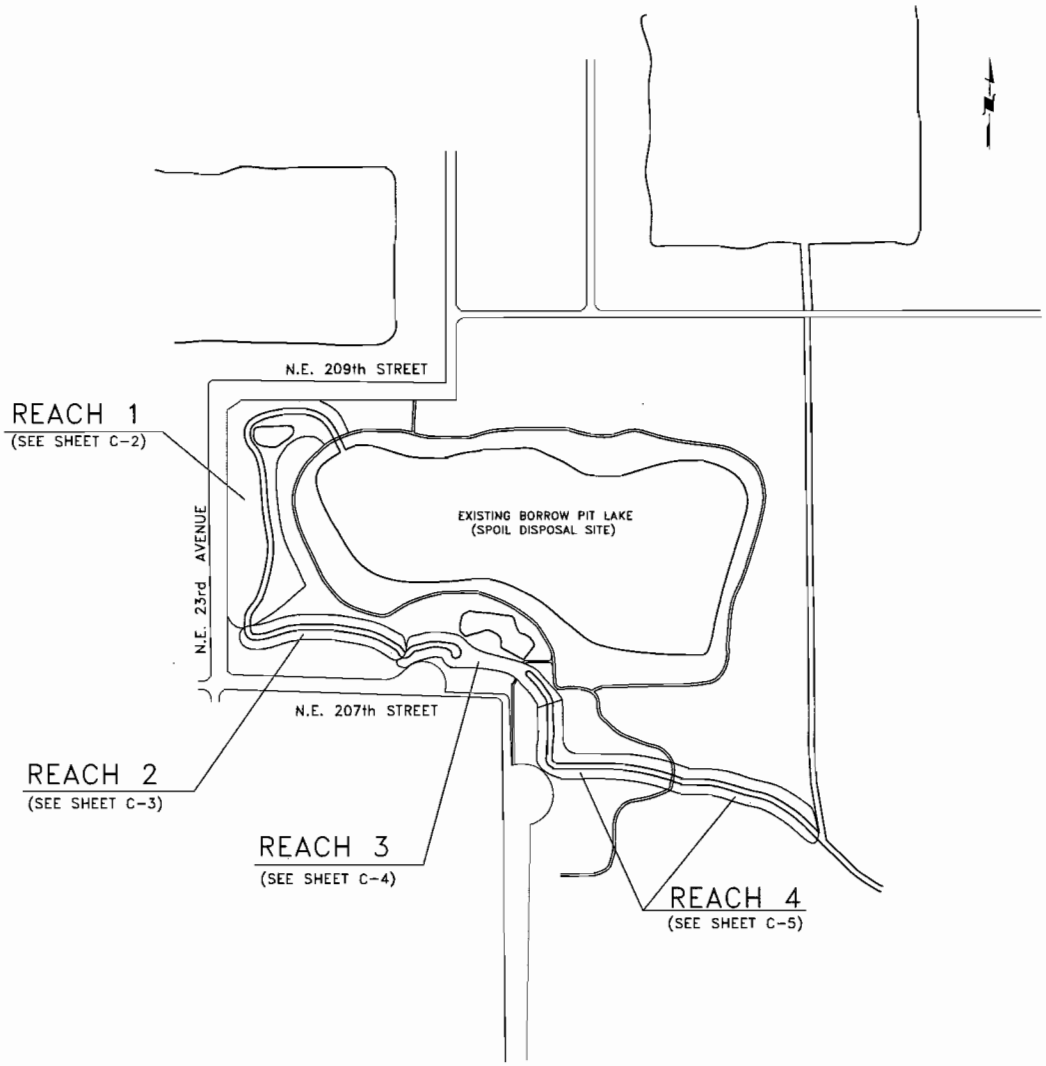

OVERALL SITE PLAN
N.T.S.

LEGEND

LIMITS OF WORK ZONE

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CONSULTING ENGINEERING & SCIENCE, INC.
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MIAMI, FLORIDA 33176 (305) 378-1586
EB-0005255

JOHN R. GUTTMAN
PE-36081 (CIVIL)

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DATE	REMARK

MITIGATION AT HIGHLAND OAKS PARK

MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

OVERALL SITE PLAN AND NOTES

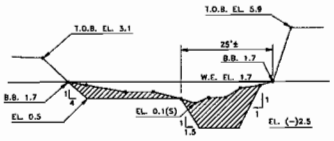
DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

REVISIONS

SCALE: AS SHOWN
SHEET NUMBER:

C-1

2 OF 8



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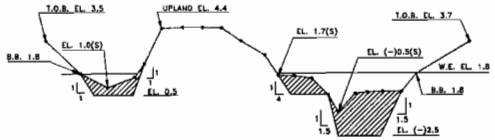

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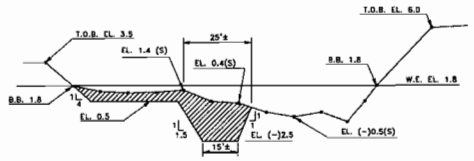

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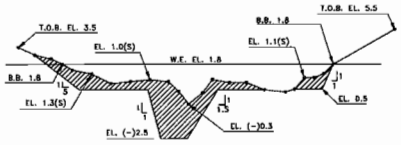
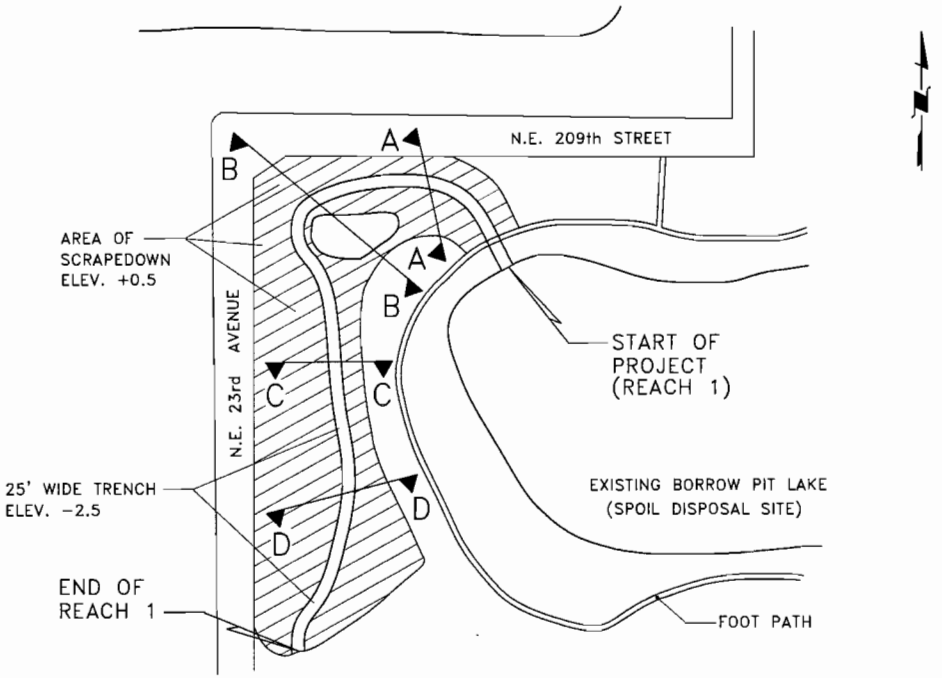


CROSS SECTION D-D

LEGEND

- EXCAVATION AREA
- T.O.B. TOP OF BANK
- B.B. BOTTOM OF BANK
- S TOP OF SEDIMENT
- W.E. WATER ELEVATION



REACH 1 SITE PLAN
N.T.S.

GENERAL NOTES

1. ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
2. HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
5. EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
6. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
7. BOUNDARY AND TOPOGRAPHIC DATA TAKEN FROM SURVEY PREPARED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT DATED MAY 13, 2003.
8. INSTALL SILT FENCE AT THE LIMITS OF WORK AS PER FDOT DESIGN STANDARD INDEX NO. 102.

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EB-0003256

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PE-24181 (CIVIL)
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DATE	REMARK

MITIGATION AT HIGHLAND OAKS PARK

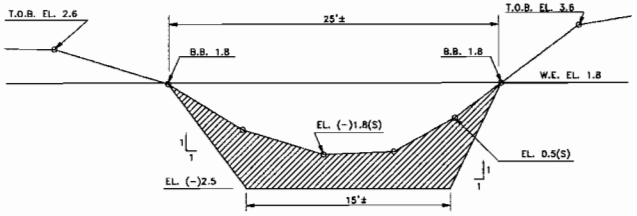
MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

REACH 1 PLANS, SECTIONS AND NOTES

DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

REVISIONS

SCALE: AS SHOWN
SHEET NUMBER:
C-2
3 OF 8



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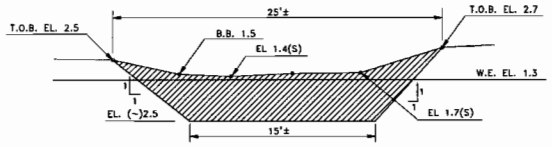

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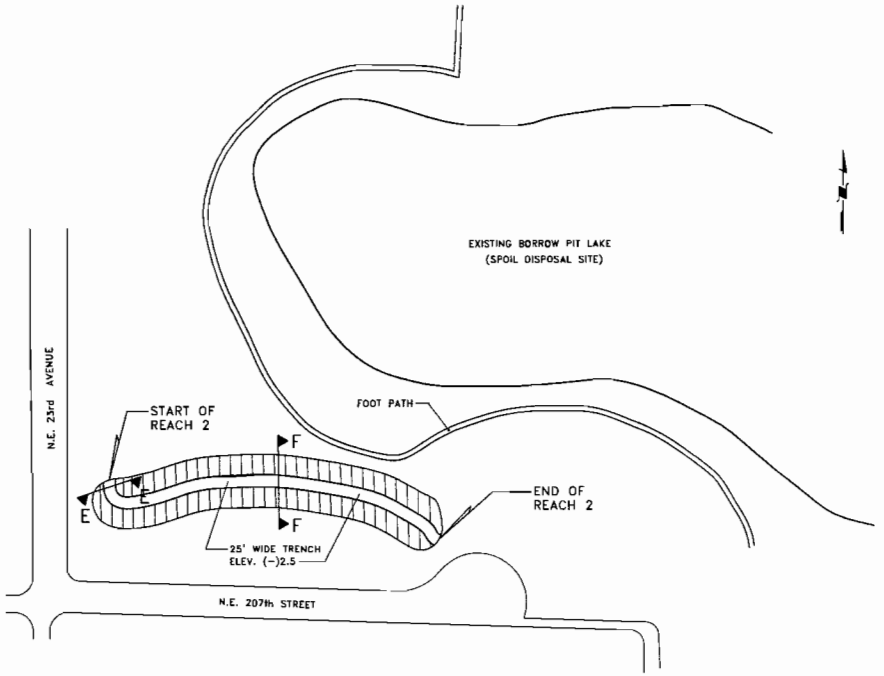

REACH 2 SITE PLAN
N.T.S.

GENERAL NOTES

1. ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
2. HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
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7. BOUNDARY AND TOPOGRAPHIC DATA TAKEN FROM SURVEY PREPARED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT DATED MAY 13, 2003.
8. INSTALL SILT FENCE AT THE LIMITS OF WORK AS PER FDOT DESIGN STANDARD INDEX NO. 102.

LEGEND

- EXCAVATION AREA
- T.O.B. TOP OF BANK
- B.B. BOTTOM OF BANK
- S TOP OF SEDIMENT
- W.E. WATER ELEVATION

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EB-0003250

JOHN R. GUTTMAN
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DATE	REMARK

MITIGATION AT HIGHLAND OAKS PARK

MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

REACH 2 PLANS, SECTIONS AND NOTES

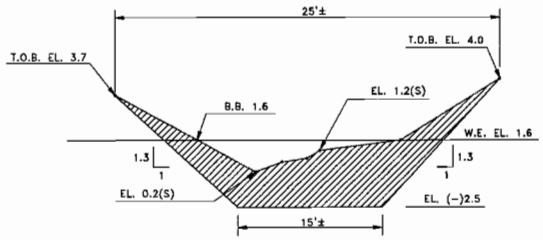
DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

REVISIONS

SCALE: AS SHOWN
SHEET NUMBER:

C-3

4 OF 8



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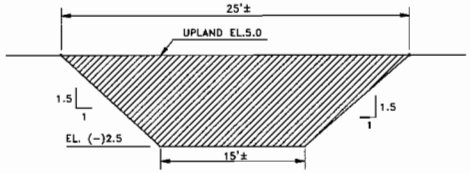

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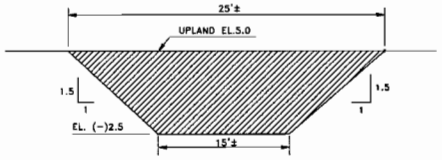

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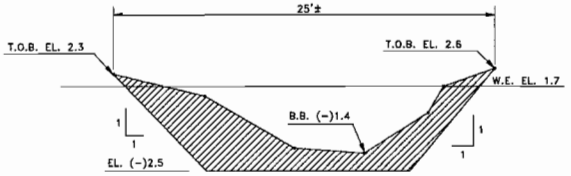
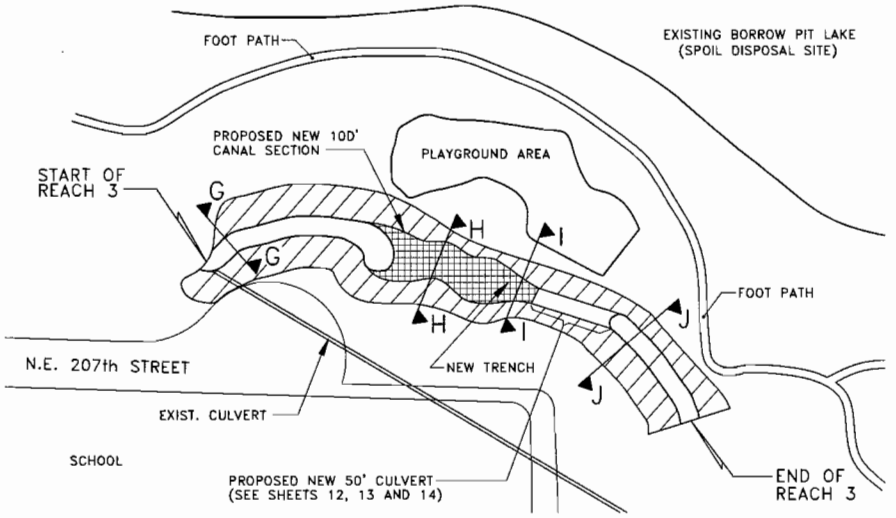


CROSS SECTION J-J

LEGEND

EXCAVATION AREA

T.O.B. TOP OF BANK
B.B. BOTTOM OF BANK
S TOP OF SEDIMENT
W.E. WATER ELEVATION



REACH 3 SITE PLAN
N.T.S.

GENERAL NOTES

1. ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
2. HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
5. EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION SUPPLIED BY OTHERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MEET WITH ALL APPLICABLE UTILITY COMPANIES TO VERIFY ALL UNDERGROUND FACILITIES PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION AT ALL TIMES. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ALL SUCH DAMAGE.
6. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
7. BOUNDARY AND TOPOGRAPHIC DATA TAKEN FROM SURVEY PREPARED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT DATED MAY 13, 2003.
8. INSTALL SILT FENCE AT THE LIMITS OF WORK AS PER FDOT DESIGN STANDARD INDEX NO. 102.

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EB-0003256

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DATE	REMARK

MITIGATION AT
HIGHLAND OAKS
PARK

MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

REACH 3 PLANS, SECTIONS AND NOTES

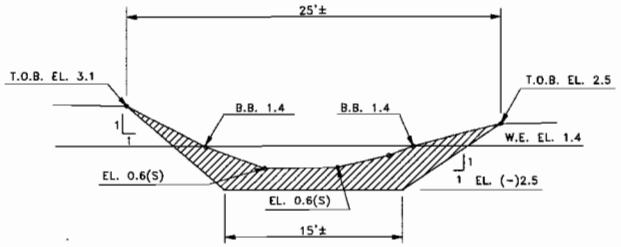
DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

REVISIONS

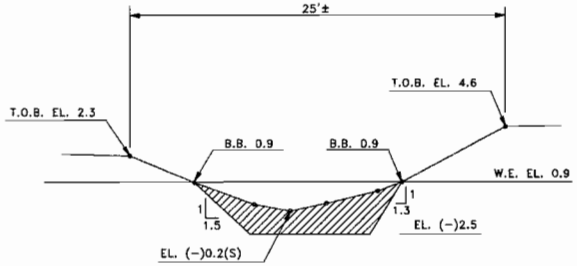
SCALE: AS SHOWN
SHEET NUMBER:

C-4

5 OF 8



CROSS SECTION K-K

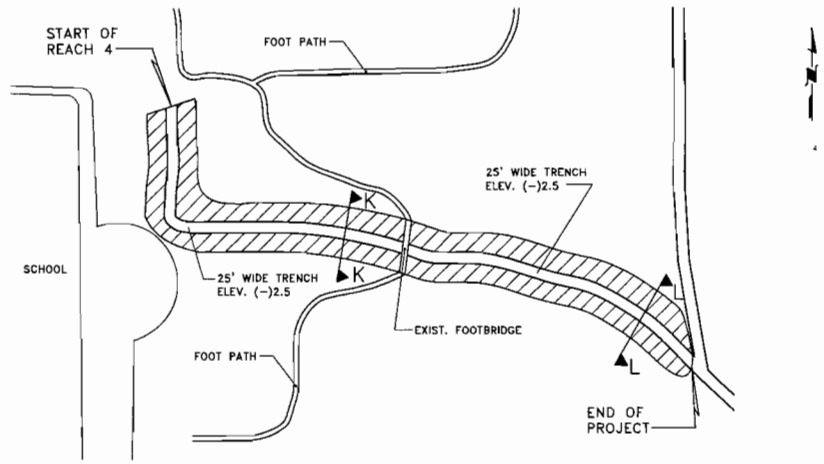


CROSS SECTION L-L

LEGEND

EXCAVATION AREA

T.O.B. TOP OF BANK
B.B. BOTTOM OF BANK
S TOP OF SEDIMENT
W.E. WATER ELEVATION



REACH 4 SITE PLAN
N.T.S.

GENERAL NOTES

1. ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
2. HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE OWNER'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
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7. BOUNDARY AND TOPOGRAPHIC DATA TAKEN FROM SURVEY PREPARED BY MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT DATED MAY 13, 2003.
8. INSTALL SILT FENCE AT THE LIMITS OF WORK AS PER FDOT DESIGN STANDARD INDEX NO. 102.

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EB-0003256

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FE-24061 (CIVIL)

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DATE	REMARK

MITIGATION AT HIGHLAND OAKS PARK

MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

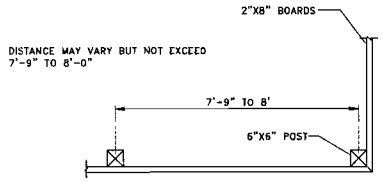
REACH 4 PLANS, SECTIONS AND NOTES

DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

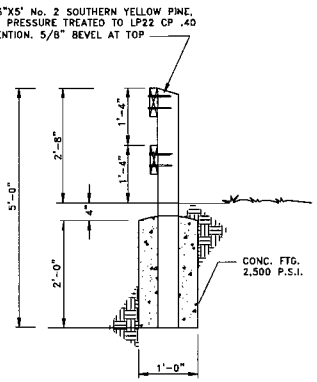
REVISIONS

SCALE: AS SHOWN
SHEET NUMBER:
C-5
8 OF 8

114



PLAN-CORNER (OR ANY CHANGE IN DIRECTION)
N.T.S.



FENCE SECTION
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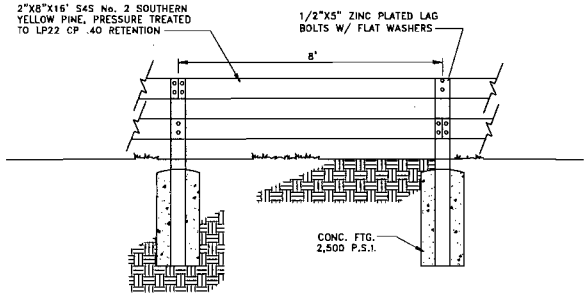

FENCE ELEVATION
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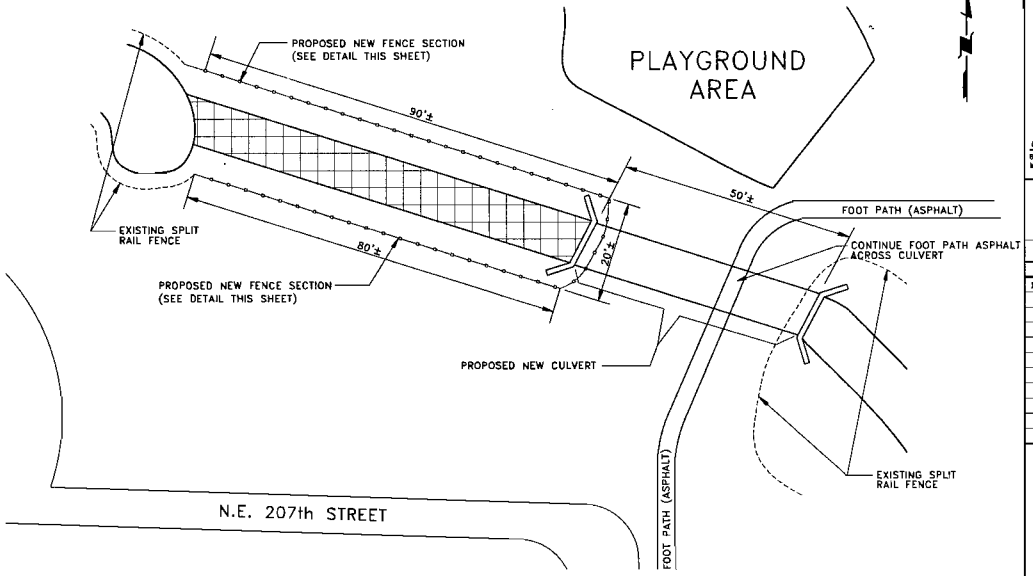
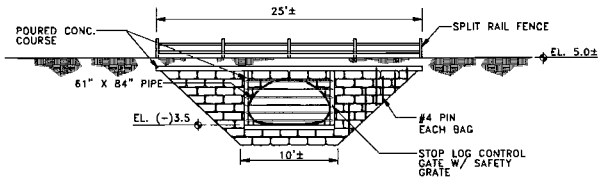


CULVERT PLAN
N.T.S.



END ELEVATION
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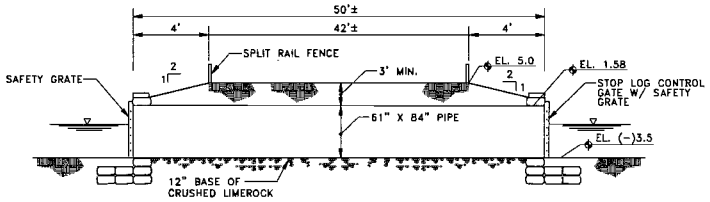

LONGITUDINAL SECTION
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MITIGATION AT HIGHLAND OAKS PARK

MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

CULVERT PLAN, SECTIONS AND DETAILS

DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

REVISIONS

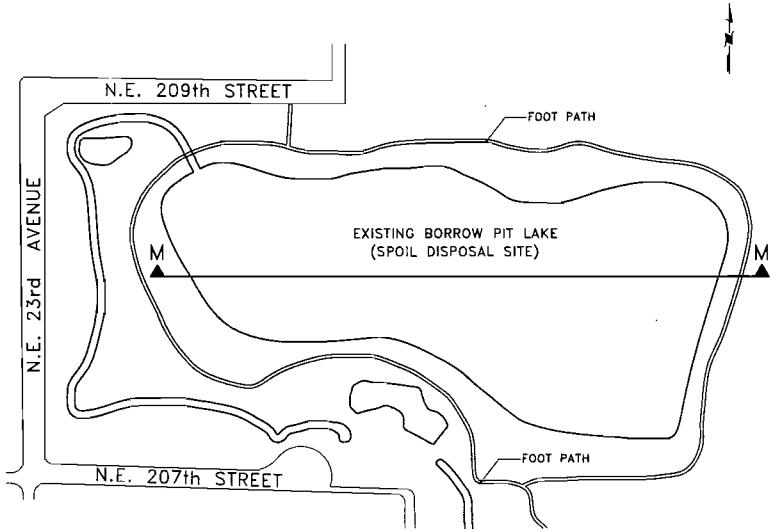
7/10/07	ADD B&Z COMMENTS

SCALE: AS SHOWN
SHEET NUMBER:

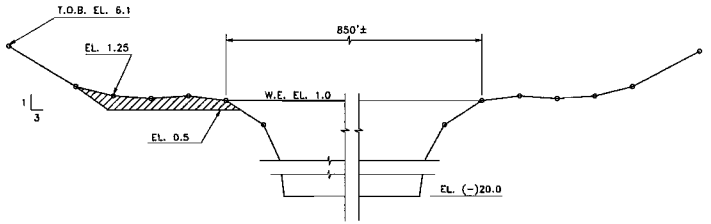
C-6

7 OF 8

1/5



LAKE SHORELINE PLAN



TYPICAL LAKE SHORELINE SECTION

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MITIGATION AT HIGHLAND OAKS PARK

MIAMI-DADE COUNTY DERM
33 S.W. 2ND AVENUE
10TH FLOOR
MIAMI, FLORIDA 33130

LAKE SHORELINE PLAN AND SECTION

DRAWN BY:	R.W.M.
CHECKED BY:	J.R.G.
APPROVED BY:	J.R.G.
DATE:	02-24-06
PROJECT NO.:	0150

REVISIONS

SCALE: AS SHOWN
SHEET NUMBER:

C-7

8 OF 8

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HIGHLAND OAKS -
OLETA RIVER HEADWATERS

SITE ENVIRONMENTAL EVALUATION:

Plant Community:	Freshwater wetland
Location:	NE 203 St. and 24th Ave.
Section, Twnp, Range:	33-51-42
Total Acres:	35.5
Natural Area Acres:	11.6

EVALUATION SUMMARY

Biological Criteria	
Connectedness:	High
Floral Richness:	Medium
Habitat Rarity:	High
Rare Plants:	Low
Wildlife Potential:	Medium
Vulnerability:	Medium

SITE DESCRIPTION

Highland Oaks Park, a Miami-Dade County park located at 20300 NE 24th Avenue contains a portion of and connects to the headwaters of the Oleta River. Historically this area was a forested river floodplain ecosystem that meandered east and southeast to Biscayne Bay. Unlike most rivers in Miami-Dade County, the Oleta is the last remaining natural waterway that has not been altered by the installation of water control structures, making it fully tidally connected.

This 35.5-acre site contains 11.6 acres of freshwater wetland habitat. Highland Oaks is connected via downstream water flow to Greynolds Park, East Greynolds Park and Oleta River State Park. The northern edge of the park is defined by NE 209th St. and nine residences directly abutting. The eastern border is adjacent residential properties and the Oleta River itself. To the south is NE 203rd Street and Ojus Community Center park, as well as NE 25th Avenue and NE 204th Street. On the western border is NE 23rd Avenue.

In the mid 1990s Miami-Dade County initiated restoration of the natural areas of Highland Oaks Park including intensive efforts to remove exotic pest plants, creation of a cypress swamp, and replanting of native vegetation. Exotic plants targeted for removal included Brazilian pepper (*Schinus terebinthifolius*), Australian pine (*Casuarina equisetifolia*), tropical almond (*Terminalia catappa*), castor bean (*Ricinus communis*) and shoebutton Ardisia (*Ardisia elliptica*). Reestablishment of these and additional exotics have continued to be a management problem.

BIOLOGICAL EVALUATION

Plant Community Types

Recreated and enhanced floodplain swamp habitat occurs on the northern four (4) acres of this site, and 7.6 acres of the southern natural areas are freshwater tidal swamp.

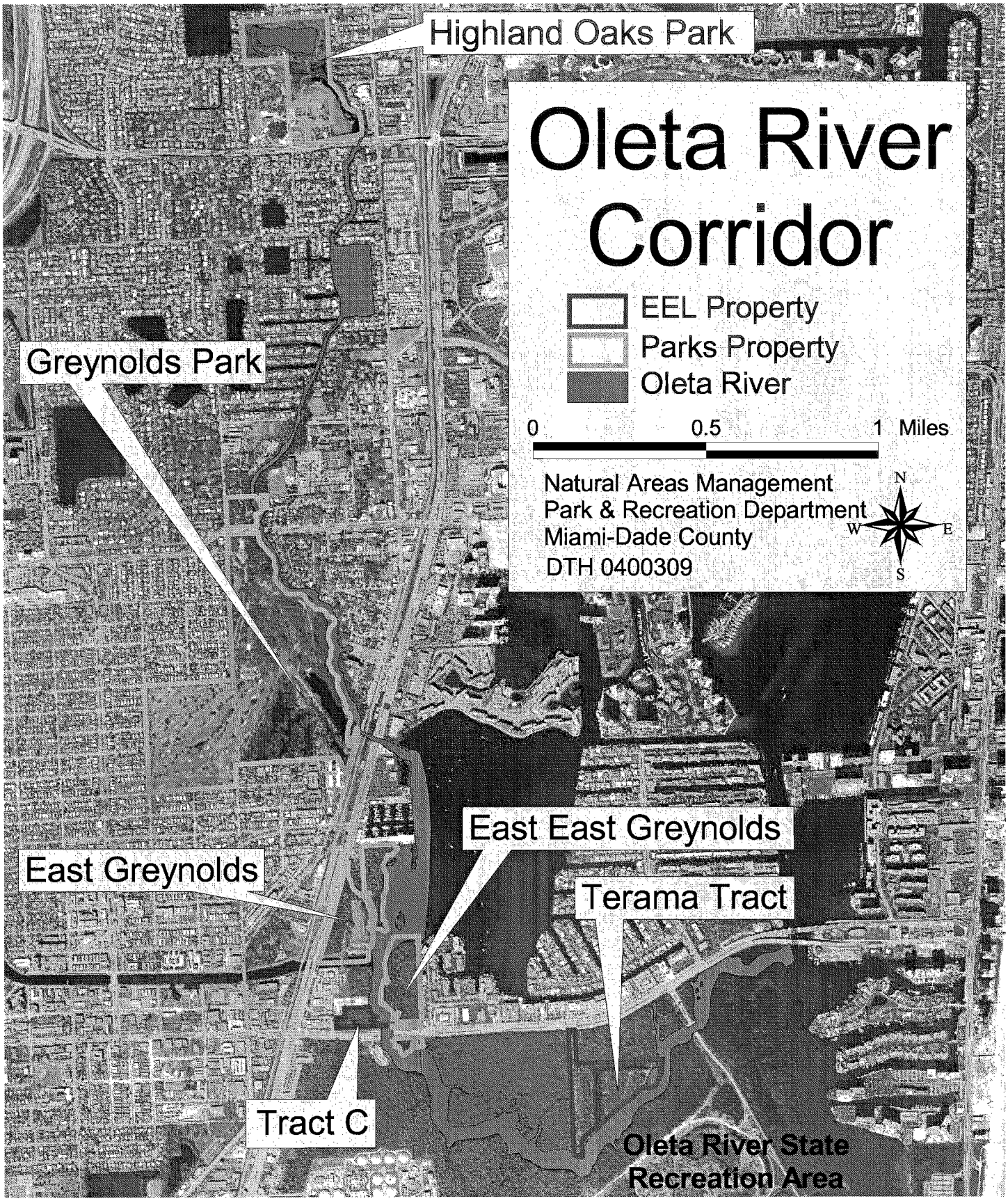
This site is divided into two biological units by site disturbance. Survey of the southern natural areas is not yet complete, but based on that performed on the southwestern riverbank. See attached Plant List.

1. Floodplain swamp and Lake edge:
   These four (4) westernmost acres of enhanced natural area have a canopy dominated by pond apple (*Annona glabra*), Dahoon holly (*Ilex cassine*), and swamp bay (*Persea palustris*) in the southernmost section (Reach 2) and these species plus willow (*Salix caroliniana*) and cypress (*Taxodium distichum*) in the remainder (Reach 1). Common understory species include leatherfern (*Acrostichum danaeifolium*), Cocoplum (*Chrysobalanus icaco*), wax myrtle (*Myrica cerifera*), and myrsine (*Rapanea punctata*).

2. Freshwater tidal swamp:
   This area is approximately 7.6 acres in size, and as a result of planting in the 1990s is being recolonized by native species although most are less than 15 feet in height. Common species are cypress (*Taxodium distichum*), pond apple (*Annona glabra*), buttonwood (*Conocarpus erectus*), white mangrove (*Laguncularia racemosa*), and leatherferns (*Acrostichum danaeifolium*).

Wildlife and Landscape Ecology

This 11.6-acre site seems small, but its corridor-like layout and transitional composition are important for wildlife use, providing refuge, fresh water and food sources along a connective route conducive to migration as well as foraging. Oleta River State Park is an important downstream protected natural area where more than 60 species of wildlife have been documented (see attached list). These same species are expected to also use natural areas at Highland Oaks Park.


Highland Oaks Park
Oleta River Corridor
EEL Property
Parks Property
Oleta River
0
0.5
1 Miles
Natural Areas Management
Park & Recreation Department
Miami-Dade County
DTH 0400309
N
W
E
S
Greynolds Park
East East Greynolds
East Greynolds
Terama Tract
Tract C
Oleta River State Recreation Area

2.5
Acres
1.5
Acres
7.6
Acres
Highland Oaks Park
Natural Area
Highland Oaks Park - 35.5 acres
0
200 Feet
N
W
E
S
Natural Areas Management
Park & Recreation Department
DTH 040309
Miami-Dade County

HIGHLAND OAKS PARK
PLANT LIST

At the time of this update (March 2009) **144** taxa were reported.

Scientific Name:	Cultivated Status:	Designated Status: Federal Protected Status†	State Protected Status†	IRC/ NAM
Acacia auriculiformis				X
Acer rubrum	Cultivated			N
Acrostichum danaeifolium				N
Amaranthus blitum				N
Ambrosia artemisiifolia				N
Ammannia latifolia				N
Ampelopsis arborea				N
Andropogon glomeratus var. pumilus				N
Annona glabra				N
Ardisia elliptica				X
Avicennia germinans				N
Baccharis halimifolia				N
Bacopa monnieri				N
Bidens alba var. radiata				N
Bischofia javanica				X
Boehmeria cylindrica				N
Bucida buceras				X
Bursera simaruba				N
Calyptocarpus vialis				N
Cardiospermum microcarpum				N
Casuarina equisetifolia				X
Catharanthus roseus				N
Centella asiatica				N
Cephalanthus occidentalis				N
Cestrum diurnum				X
Chamaesyce hirta				N
Chamaesyce hypericifolia				N
Chamaesyce prostrata				N
Chromolaena odorata				N
Chrysobalanus icaco				N
Cissus verticillata				N
Coccoloba diversifolia				N
Coccoloba uvifera				N
Conocarpus erectus	Cultivated			N
Conoclinium coelestinum				N
Crinum americanum	Cultivated			N
Crotalaria incana				N
Cupaniopsis anacardioides				X

Cyclospermum leptophyllum				N
Cynodon dactylon				N
Cyperus ligularis				N
Cyperus odoratus				N
Cyperus surinamensis				N
Dactyloctenium aegyptium				N
Desmodium tortuosum				N
Dichondra micrantha				N
Digitaria ciliaris				N
Drymaria cordata				N
Dypsis lutescens				X
Echinochloa walteri				N
Eleocharis geniculata	Cultivated			N
Eleocharis interstincta	Cultivated			N
Eleusine indica				N
Emilia fosbergii				N
Eragrostis ciliaris				N
Eugenia uniflora				X
Eupatorium capillifolium				N
Eustachys petraea				N
Ficus aurea				N
Ficus benghalensis	Cultivated Only			X
Fimbristylis cymosa				N
Fraxinus caroliniana	Cultivated			N
Fuirena breviseta	Cultivated			N
Ilex cassine	Cultivated			N
Ipomoea alba				N
Ipomoea indica var. acuminata				N
Laguncularia racemosa				N
Lantana camara				X
Lepidium virginicum				N
Ludwigia octovalvis				N
Magnolia virginiana	Cultivated			N
Mecardonia procumbens				N
Melaleuca quinquenervia	Cultivated			X
Melaleuca viminalis	Cultivated			X
Melanthera nivea				N
Melothria pendula				N
Mikania cordifolia				N
Mitreola petiolata				N
Morus rubra				N
Myrica cerifera	Cultivated			N
Ocotea coriacea				N
Oxalis corniculata				N
Panicum dichotomiflorum var. bartowense				N
Panicum hemitomon	Cultivated			N

Parietaria floridana				N
Parthenocissus quinquefolia				N
Paspalum setaceum				N
Paspalum urvillei				N
Pennisetum purpureum				N
Persea palustris				N
Phragmites australis				N
Phyla nodiflora				N
Phyllanthus amarus				N
Physalis walteri				N
Pluchea carolinensis				N
Pluchea odorata	Cultivated			N
Poinsettia cyathophora				N
Pongamia pinnata				X
Pontederia cordata	Cultivated			N
Portulaca oleracea				N
Psychotria nervosa				N
Psychotria sulzneri	Cultivated			N
Quercus virginiana	Cultivated			N
Rhizophora mangle				N
Rhynchospora colorata	Cultivated			N
Richardia grandiflora				N
Ricinus communis				X
Rivina humilis				N
Roystonea regia				N
Sabal palmetto				N
Sagittaria lancifolia	Cultivated			N
Salix caroliniana				N
Sambucus canadensis				N
Sarcostemma clausum				N
Saururus cernuus				N
Schefflera actinophylla				X
Schinus terebinthifolius				X
Senna pendula var. glabrata				X
Serenoa repens	Cultivated			N
Sida acuta				N
Sida rhombifolia				N
Sideroxylon foetidissimum				N
Solanum americanum				N
Spartina bakeri				N
Spermacoce assurgens				N
Spermacoce verticillata				N
Stenotaphrum secundatum				X
Syngonium podophyllum				X
Tabebuia heterophylla				X
Taxodium distichum	Cultivated			N

Terminalia catappa				X
Thelypteris kunthii				N
Thespesia populnea				X
Tillandsia fasciculata var. densispica				N
Tillandsia recurvata				N
Trema micranthum				N
Tridax procumbens				N
Typha domingensis				N
Urena lobata				X
Verbesina virginica				N
Vigna luteola				N
Vitis cinerea var. floridana				N
Wedelia trilobata				X
Zanthoxylum fagara				N

SOURCES

United States
USFWS Endangered Species Program. 2006. *All plants* (20 January 2006). US Fish and Wildlife Service.

Florida
Coile, N.C., and M.A. Garland. 2003. *Notes on Florida's endangered and threatened plants* (29 January 2005). Florida Department of Agriculture & Consumer Services, Division of Plant Industry.

†Code Protected Status

CE Commercially Exploited

E Endangered

T Threatened

(IRC / NAM)
N = Native
X = Exotic

REFERENCES

Institute for Regional Conservation. 2009. As accessed on 25 March 2009 at: http://regionalconservation.org/ircs/database/plants/ByConsArea.asp?SiteID=418&SN=Highland%20Oaks%20Park

Warren, A. and Hazelton, D. 2009. Observations of vascular plants at Highland Oaks Park, Miami-Dade County, Florida. 17 – 19 March 2009. Natural Areas Management, Miami-Dade County Park and Recreation Dept.

Woodmansee, S.W. 1999. Observations of vascular plants at Highland Oaks Park, Dade County, Florida. 31 March 1999. Institute for Regional Conservation. Miami, Florida.

USDA Plant Database. 2009. As accessed on 2 April 2009 at: http://plants.usda.gov/java/threat?txtparm=&category=sciname&familycategory=all&duration=all&growthhabit=all&wetland=all&statefed=all&stateSelect=US12&sort=sciname&submit.x=79&submit.y=8

Oleta River State Park

Animals

Common Name	*Scientific Name*	Primary Habitat Codes (for all species)
	INVERTEBRATES	
Great land crab	*Cardisoma guanhumi*	64, 81
Fiddler crab	*Uca sp.*	64
Rock-boring urchin	*Echinometra lucunter*	65
Bleeding tooth	*Nerita peloronta*	65
Tessellated nerite	*Nerita tessellata*	65
Boring isopod	Sphaeroma terebrans	64, 65
	FISH	
Sheepshead	*Archosargus probatocephalus*	64, 65
Common snook	*Centropomus undecimalis*	64, 65
Southern stingray	*Dasyatis americana*	64, 65
Mosquitofish	*Gambusia holbrooki*	64, 65
Mojarra	*Gerres cinereus*	64, 65, 81
Pinfish	*Lagodon rhomboides*	64, 65, 81
Tarpon	*Megalops atlantica*	64, 65
Striped mullet	*Mugil cephalus*	64, 65, 81
Pipefish	*Syngnathus scovelli*	64, 65
	AMPHIBIANS	
Squirrel treefrog	*Hyla squirella*	7, 64, 81
	REPTILES	
Florida cottonmouth	*Agkistrodon piscivorus*	64, 81
Southern black racer	*Coluber constrictor*	7, 81
Southern ringneck snake	*Diadophis punctatus*	7, 81
Red rat, Corn snake	*Elaphe guttata*	81
Gopher tortoise	*Gopherus polyphemus*	7, 81
Mangrove water snake	*Nerodia fasciata compressicauda*	64
Red-eared turtle *	*Pseudemys scripta elegans*	64
Florida cooter	*Pseudemys floridana*	64, 65
Florida box turtle	*Terrapene carolina bauri*	7, 81
Florida softshell	*Trionyx ferox*	64
	BIRDS	
Sharp-shinned hawk	*Accipiter striatus velox*	7, 64, 81
Spotted sandpiper	*Actitis macularia*	1
Roseate spoonbill	*Ajaia ajaja*	64, 65
Anhinga	*Anhinga anhinga*	64, 65
Great blue heron	*Ardea herodias*	64, 65
American bittern	*Botaurus lentiginosus*	64
Cattle egret	*Bubulcus ibis*	64, 65, 81
Short-tailed hawk	*Buteo brachyurus*	7, 64, 81
Red-tailed hawk	*Buteo jamaicensis*	64, 7, 81
Red-shouldered hawk	*Buteo lineatus*	64, 7, 81
Green-backed heron	*Butorides striatus*	64, 65

* Non-native Species

Oleta River State Park

Animals

Common Name	*Scientific Name*	Primary Habitat Codes (for all species)
Chuck-will's widow	*Caprimulgus carolinensis*	7, 81
Northern cardinal	*Cardinalis cardinalis*	7, 81
American goldfinch	*Carduelis tristis*	7, 81
Turkey vulture	*Cathartes aura*	All
Belted kingfisher	*Ceryle alcyon*	64
Killdeer	*Charadrius vociferus*	81
Common nighthawk	*Chordeiles minor*	7, 81
Northern harrier	*Circus cyaneus*	64, 7, 81
Mangrove cuckoo	*Coccyzus minor mynardi*	64
Ground dove *	*Columbina passerina*	All
Fish crow	*Corvus ossifragus*	64, 81
Sanderling	*Crocethia alba*	1
Blue jay	*Cyanocitta cristata*	7, 81
Black-throated blue warbler	*Dendroica caerulescens*	7, 64, 81
Yellow-throated warbler	*Dendroica dominica*	7, 64, 81
Gray catbird	*Dumetella carolinensis*	7, 81, 82
Little blue heron	*Egretta caerulea*	64, 65
Reddish egret	*Egretta rufescens*	64, 65
Snowy egret	*Egretta thula*	64, 65
Tricolored heron	*Egretta tricolor*	64, 65
American swallow-tailed kite	*Elanoides forficatus*	65
White ibis	*Eudocimus albus*	64, 65, 81
Peregrine falcon	*Falco peregrinus*	7, 64
American kestrel	*Falco sparverius*	64, 7, 81
Magnificent frigatebird	*Fregata magnificens rothschildi*	64, 65, 81
Common loon	*Gavia immer*	64, 65
Bald eagle	*Haliaeetus leucocephalus*	64, 65, 7, 81
Herring gull	*Larus argentatus*	1, 65
Laughing gull	*Larus atricilla*	1
Ring-billed gull	*Larus delawarensis*	1, 65
Red-bellied woodpecker	*Melanerpes carolinus*	7, 81
Red-breasted merganser	*Mergus serrator*	64, 65
Mockingbird	*Mimus polyglottos*	7, 81, 82
Wood Stork	*Mycteria americana*	64, 65
Yellow-crowned night heron	*Nyctanassa violacea*	64, 65
Osprey	*Pandion haliaetus*	64, 65, 7, 81
American white pelican	*Pelecanus erythrorhynchos*	64, 65, 81
Double-crested cormorant	*Phalacrocorax auritus*	64, 65, 81
Pied-billed grebe	*Podilymbus podiceps*	64, 65
Blue-gray gnatcatcher	*Polioptila caerulea*	64, 7, 81
Purple martin	*Progne subis*	81
Boat-tailed grackle	*Quiscalus major*	64, 81
Least tern	*Sterna albifrons*	1, 65
Common tern	*Sterna hirundo hirundo*	1, 65
Barred owl	*Strix varia*	7
Royal tern	*Thalasseus maximus*	1, 65
Black-whiskered vireo	*Vireo altiloquus*	64

* Non-native Species

Oleta River State Park

Animals

Common Name	*Scientific Name*	Primary Habitat Codes (for all species)
Mourning dove	*Zenaida macroura*	All
	MAMMALS	
Oppossum	*Didelphis marsupialis*	All
River otter	*Lutra canadensis*	64
Florida bobcat	*Lynx rufus*	64, 81
Raccoon	*Procyon lotor*	All
Eastern gray squirrel	*Sciurus carolinensis*	7, 81, 82
Spotted skunk	*Spilogale putorius*	7, 81
Marsh rabbit	*Sylvilagus palustris*	7, 81
West Indian manatee	*Trichechus manatus latirostris*	64, 65, 81
Atlantic bottlenose dolphin	*Tursiops truncatus*	64, 65, 81
Gray fox	*Urocyon cinereoargenteus*	7, 81

* Non-native Species

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB
0348-0046

1. * Type of Federal Action:	2. * Status of Federal Action:	3. * Report Type:
☐ a. contract	☐ a. bid/offer/application	☒ a. initial filing
☒ b. grant	☒ b. initial award	☐ b. material change
☐ c. cooperative agreement	☐ c. post-award	
☐ d. loan		
☐ e. loan guarantee		
☐ f. loan insurance		

4. Name and Address of Reporting Entity:

☒ Prime ☐ SubAwardee

*Name: Miami-Dade County

*Street 1: 111 NW First Street, 29th Floor Street 2:

*City: Miami State: FL: Florida Zip: 33128-1994

Congressional District, if known: 18, 17

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

6. * Federal Department/Agency:

Dept. of Commerce NOAA

7. * Federal Program Name/Description:

Habitat Conservation

CFDA Number, *if applicable:* 11.463

8. Federal Action Number, *if known:*

9. Award Amount, *if known:*

$

10. a. Name and Address of Lobbying Registrant:

Prefix: *First Name: Greenburg Traurig Middle Name:

*Last Name: Greenburg Traurig Suffix:

*Street 1: 2101 L Street, N.W. Street 2:

*City: Washington State: DC: District of Columbia Zip: 20037

b. Individual Performing Services (including address if different from No. 10a)

Prefix: *First Name: Joe Middle Name:

*Last Name: Corrigan Suffix:

*Street 1: Street 2:

*City: State: Zip:

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

*** Signature:** Completed on submission to Grants.gov

***Name:** Prefix: Mr. *First Name: George Middle Name: M.

*Last Name: Burgess Suffix:

Title: County Manager **Telephone No.:** 305-375-5311 **Date:** Completed on submission to Grants.gov

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