Memorandum

MIAMI-DADE COUNTY

Date: May 19, 2009

Agenda Item No. 5(E)

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

From: George M. Burgess
County Manager

Subject: Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel

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Attached, please find for your consideration an application by Miami-Dade County for a Class I permit. Also, attached is the recommendation of the Director of the Department of Environmental Resources Management and a resolution seeking the Board's approval of the aforesaid Class I permit.

Assistant County Manager

Memorandum

MIAMI-DADE COUNTY

Date: April 17, 2009

To: George M. Burgess
County Manager

From: Carlos Espinosa, PE, Director
Environmental Resources Management

Subject: Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel

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Recommendation

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

Scope

The project site is located at 13600 Old Cutler Road in Coral Gables, in Commission District 7 (Commissioner Carlos A. Gimenez).

Fiscal Impact/Funding Source

Not Applicable

Track Record/Monitor

Not Applicable

Background

The subject Class I permit application involves the dredging and filling of wetlands and the trimming and altering of mangroves to improve passive public recreational use of Chapman Field Park through the following: the construction of a pedestrian/bicycle path and associated swale area that will improve stormwater management; the creation of an emergency vehicle access area along the existing fill road; construction of a canoe access and launch area that includes a fixed pier, a ramp, a floating dock and riprap bag revetment; the construction of a parking lot with a retaining wall and the replacement of an existing culvert; the excavation of a access channel to connect the two existing navigable channels located on either side of the fill road, stabilized with a riprap bag revetment; and the construction of a bridge over the new access channel. The project site is located within Chapman Field Park (Park) at 13600 Old Cutler Road in Coral Gables, Miami-Dade County, Florida. The proposed project is required to be reviewed and approved by the Miami-Dade County BCC at a public hearing because the scope of work includes the dredging and filling of halophytic (salt tolerant) wetlands and the trimming and alteration of mangroves that are part of a Coastal Band Community as defined in Section 24-5 of the Code of Miami-Dade County (Code). Said work is not specifically referenced in Section 24-48.2 of the Code as work that can be processed administratively with a short form application. Therefore, a standard form application including a public hearing is required.

The site currently consists of a Miami-Dade County park, operated by the Miami-Dade County Park and Recreation Department, that is dominated by high quality halophytic wetlands, primarily vegetated by *Rhizophora mangle* (red mangroves), but also includes an existing fill road and former landfill areas. In response to public input and in accordance with the Chapman Field General Plan, the applicant is proposing to enhance the Park for passive use through the creation and maintenance of a nature-based recreational area. The project involves the construction of a one (1) mile long pedestrian/bicycle path along the north side of the existing road, a canoe launching pier, ramp, and floating dock with an associated parking facility, an access channel and bridge connecting two (2) existing channels, and the trimming/alteration of mangroves to facilitate non-motorized vessel access through existing waterways and emergency vehicle access along the existing fill road.

An existing fill road runs from the west entrance of the Park to the eastern side of the Park, near Biscayne Bay. The road varies in width, in some areas narrowing to become only wide enough for one vehicle to pass at a time. The road is bordered to the north and south by halophytic wetlands. However, field assessments have revealed that the wetlands south of the fill road are comprised of higher quality mature mangroves that provide a greater habitat value than the wetlands to the north. The future paving and widening of the existing fill road has been considered as part of the Chapman Field General Plan. During the evaluation of the proposed project, DERM recommended that the proposed bicycle path be shifted to border the wetlands north of the existing fill road to avoid impacts to the higher quality wetlands located on the south side. Therefore, the one (1) mile long, eight (8) foot wide paved pedestrian and bicycle path is being proposed north of the existing fill road with a three (3) foot wide shoulder on each side of the path to ensure pedestrian and bicycle safety. This configuration results in the need to fill three thousand four hundred sixty-nine (3,469) square feet of halophytic wetlands and trim twenty-five (25) square feet of mangrove canopy north of the existing road. In addition, the City of Coral Gables Fire Department requires that a minimum of ten (10) feet of clearance be established and maintained immediately south of the fill road for use by emergency vehicles. To comply with this requirement, the applicant is proposing the trimming of four hundred seventeen (417) square feet of existing *Laguncularia racemosa* (white mangrove) and *Conocorpus erectus* (green buttonwood) branches and the removal of forty-two (42) square feet of mangrove and buttonwood trees. Continued maintenance for this ten (10) foot area shall be authorized, in perpetuity, by the Class I permit through specific mangrove trimming conditions.

The applicant is proposing to remove two thousand six hundred thirteen (2,613) square feet of existing mangroves to construct a launching facility that shall consist of a fixed pier, ramp, and floating dock to provide public access to Biscayne Bay and the Park's natural areas including existing channels and lakes. The proposed structures have been designed to be compatible with American Disabilities Act (ADA) requirements and shall facilitate the launching of only non-motorized vessels, such as canoes. To provide adequate clearance for the floating dock and non-motorized vessels, two hundred (200) cubic yards of sediment shall be dredged from the channel bottom and adjacent shoreline over an eight hundred fifty-nine (859) square foot area. In addition, a riprap bag revetment shall be installed to stabilize the adjacent mangrove wetland shoreline landward of the floating dock.

Pursuant to the Florida Building Code (FBC), a small paved parking area is required to be constructed in conjunction with the proposed launching facility. To minimize impacts to the surrounding wetlands, an existing upland area located north of the launching facility was selected for the construction of the required parking lot. Although the entire upland area shall be utilized, five thousand eight hundred fifty-three (5,853) square feet of halophytic wetlands along the periphery of

the uplands are proposed to be dredged and filled to accommodate said parking lot. To further minimize environmental impacts, the applicant shall be required to construct a retaining wall along the areas of the parking lot that border halophytic wetlands. The applicant is also proposing to repair an existing damaged culvert located beneath the proposed parking lot that will improve the hydrologic connection between the surrounding wetlands.

To the east of the launching facility, an access channel with a bridge is proposed to join the launch area channel (west channel) with the east channel that connects to Biscayne Bay. The proposed access channel involves the excavation of a portion of the fill road and the dredging of two thousand four hundred sixty (2,460) square feet of wetlands north and south of said road, to meet the controlling depth of minus four and three quarters (-4.75) feet NGVD within the existing channels. Five hundred fifteen (515) square feet of wetlands will be filled and four hundred ninety-one (491) square feet of mangroves will be removed for the construction of the bridge extending over said access channel. Use of the bridge shall be limited to maintenance staff and non-motorized public access. The applicant is proposing to trim and alter nine thousand four hundred seven (9,407) square feet of mangroves and buttonwoods for the maintenance of a twelve (12) foot wide corridor through the channels to facilitate navigation between the Park's waterways and Biscayne Bay.

Section 24-48.3(2) of the Code requires that dredging or filling work proposed in Class I permit applications comply with at least one of six listed criteria. The proposed project complies with the above referenced criteria as it relates to the minimum dredging and spoiling for public necessity. In addition, although the mangroves at the site are designated by the Comprehensive Development Master Plan (CDMP) of Miami-Dade County as a Mangrove Protection Area, the proposed project is consistent with the exceptions of the CDMP, as the trimming and alteration of mangroves is necessary to prevent or eliminate a threat to public health, safety or welfare, is water dependent, and is clearly within the public interest.

Furthermore, Section 24-48.4 of the Code requires that environmental impacts be avoided or minimized. Mitigation is required for otherwise acceptable projects that result in environmental impacts. The project has been designed to benefit the public interest and staff believes that the project adequately demonstrates avoidance and minimization of impacts to wetlands. In order to mitigate for adverse environmental impacts associated with the proposed project, the applicant will restore three (3) acres of halophytic wetland habitat in Chapman Field Park. The mitigation will be performed in accordance with the DERM approved mitigation plan (Attachment E).

The proposed project has been designed in accordance with all relevant Miami-Dade County coastal construction criteria and is consistent with all other Miami-Dade County coastal protection provisions. Please find attached a DERM Project Report which sets forth the reasons the proposed project is recommended for approval by DERM pursuant to the applicable evaluation factors set forth in Section 24-48.3 of the Code. The conditions, limitations, and restrictions set forth in the Project Report attached hereto are incorporated herein by references hereto.

Attachments

Attachment A: Class I Permit application
Attachment B: Affidavit of Ownership and Hold Harmless Agreement
Attachment C: Owner/Agent Letter, Engineer Certification Letter, and Project Sketches
Attachment D: Zoning Memorandum
Attachment E: Mitigation Plan
Attachment F: Soil Management Plan
Attachment G: DERM Project Report

NOTICE OF PUBLIC HEARING ON AN APPLICATION BY MIAMI-DADE COUNTY FOR A CLASS I PERMIT TO DREDGE AND FILL WETLANDS AND TRIM AND ALTER MANGROVES IN CHAPMAN FIELD PARK FOR THE CONSTRUCTION OF A PEDESTRIAN/BICYCLE PATH WITH AN ASSOCIATED SWALE AREA, AN EMERGENCY VEHICLE ACCESS ALONG THE EXISTING FILL ROAD, A CANOE ACCESS AND LAUNCH AREA WITH A FIXED PIER, RAMP, FLOATING DOCK, AND RIPRAP BAG REVETMENT, A PARKING LOT WITH A RETAINING WALL AND THE REPLACEMENT OF AN EXISTING CULVERT, THE EXCAVATION OF AN ACCESS CHANNEL TO CONNECT EXISTING NAVIGABLE CHANNELS TO BE STABILIZED BY RIPRAP BAG REVETMENTS, AND THE CONSTRUCTION OF A BRIDGE OVER THE NEW ACCESS CHANNEL LOCATED IN CHAPMAN FIELD PARK AT 13600 OLD CUTLER ROAD, CORAL GABLES, MIAMI-DADE COUNTY, FLORIDA

BOARD OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

NOTICE IS HEREBY GIVEN pursuant to Article IV, Division 1 of Chapter 24 of the Code of Miarni-Dade County that the Board of County Commissioners of Miami-Dade County will hold and conduct a Public Hearing on a request by Miami-Dade County for a Class I permit to dredge and fill wetlands and trim and alter mangroves in Chapman Field Park for the construction of a pedestrian/bicycle path with an associated swale area, an emergency vehicle access along the existing fill road, a canoe access and launch area with a fixed pier, ramp, floating dock, and riprap bag revetment, a parking lot with a retaining wall and the replacement of an existing culvert, the excavation of an access channel to connect existing navigable channels to be stabilized by riprap bag revetments, and the construction of a bridge over the new access channel. Such Public Hearing will be held on the 5th day of May 2009 at 9:30 AM in the County Commission Chambers on the 2nd Floor of the Stephen P. Clark Center at 111 NW 1st Street in Miami, Florida.

Plans and details concerning the work requested in the application may be reviewed by interested persons at the office of the Miami-Dade County Department of Environmental Resources Management, 4th Floor, 701 NW 1st Court, Miami, Florida, 33136-3912.

Oral statements will be heard and appropriate records made. For accuracy of records all important facts and arguments should be prepared in writing in triplicate, with two copies being submitted to the Deputy Clerk of the County Commission at the hearing or mailed to her beforehand (Kay Sullivan, Deputy Clerk), 111 NW 1st Street, Stephen P. Clark Center, Suite 17-202, Miami, Florida 33128; and with one copy being submitted beforehand to the Miami-Dade County Department of Environmental Resources Management, 4th Floor, 701 NW 1st Court, Miami, Florida, 33136-3912.

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

BOARD OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

HARVEY RUVIN, CLERK

BY: _____
Kay Sullivan, Deputy Clerk

MEMORANDUM

(Revised)

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

DATE: May 19, 2009

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

SUBJECT: Agenda Item No. 5(E)

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**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 5(E)
5-19-09

RESOLUTION NO. _____

RESOLUTION RELATING TO AN APPLICATION BY MIAMI-DADE COUNTY FOR A CLASS I PERMIT TO DREDGE AND FILL WETLANDS AND TRIM AND ALTER MANGROVES IN CHAPMAN FIELD PARK FOR THE CONSTRUCTION OF A PEDESTRIAN/BICYCLE PATH WITH AN ASSOCIATED SWALE AREA, AN EMERGENCY VEHICLE ACCESS ALONG THE EXISTING FILL ROAD, A CANOE ACCESS AND LAUNCH AREA WITH A FIXED PIER, RAMP, FLOATING DOCK, AND RIPRAP BAG REVETMENT, A PARKING LOT WITH A RETAINING WALL AND THE REPLACEMENT OF AN EXISTING CULVERT, THE EXCAVATION OF AN ACCESS CHANNEL TO CONNECT EXISTING NAVIGABLE CHANNELS TO BE STABILIZED BY RIPRAP BAG REVETMENTS, AND THE CONSTRUCTION OF A BRIDGE OVER THE NEW ACCESS CHANNEL LOCATED IN CHAPMAN FIELD PARK AT 13600 OLD CUTLER ROAD, CORAL GABLES, MIAMI-DADE COUNTY, FLORIDA

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

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board having considered all the applicable factors contained within Section 24-48.3 of the Code of Miami-Dade County, hereby approves the application by Miami-Dade County for a Class I permit to dredge and fill wetlands and trim and alter mangroves in Chapman Field Park for the construction of a pedestrian/bicycle path with an associated swale area, an emergency vehicle access along the existing fill road, a canoe access and launch area with a fixed pier, ramp, floating dock, and riprap bag revetment, a parking lot with a retaining wall and the replacement of an existing culvert, the excavation of an access channel to connect existing navigable channels to be stabilized by riprap bag revetments, and the construction of a bridge over the new access channel, subject to the conditions set forth in the memorandum from the Director of the Miami-Dade County Department of Environmental Resources Management, a copy of which is attached hereto and made a part hereof. The issuance of this approval does not relieve the applicant from obtaining all applicable Federal, State, and local permits.

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

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 19th 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.

Peter S. Tell

Attachment A

Class I Permit Application

MIAMI-DADE COUNTY

Class I
Permit Application

1. Application number	2. Date Day/Month/Year	3. For official use only
CC06-255	March 18, 2009	

4. Applicant Information:

Name: Miami-Dade County
Address: 275 NW 2nd Street
Miami, FL Zip Code: 33128
Phone #: 305-755-7800 Fax #:

5. Applicant's authorized permit agent

Name: Nova Consulting, Inc.
Address: 10486 NW 31 Terrace
Miami, FL Zip Code: 33172
Phone #: 305-436-9200 Fax #: 305-436-9265

6. Describe the proposed activity, its purpose and intended use, including a description of the type of structures, if any, to be erected on fills, or pipe or float-supported platforms, and the type, composition and quantity of materials to be discharged or dumped and means of conveyance.

Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel.

	Dredged/Excavated			Filled/Deposited			
Volume of Material:	607 CY			4,640 CY			
	Waterward of OHW or MHW	Landward of OHW or MHW		Waterward of OHW or MHW	Landward of OHW or MHW		

7. Proposed Use: (Check One)

- ☐ Private
- ☒ Public
- ☐ Commercial
- ☐ Other

8. Names and addresses of adjoining property owners whose property also adjoins the waterway.

Name: N/a
Address:
Zip Code

Name: N/a
Address:
Zip Code

9. Location where proposed activity exists or will occur.

Street Address: 13600 Old Cutler Road
Coral Gables
Latitude Longitude
Section 24 Township 55 Range 40
State Florida County Miam-Dade In City or Town Coral Gables Near City Or Town

10. Name of waterway at location of the activity.

11. Date activity is proposed to:

Commence Pending permit approval Be completed approx. 1 year after initiation of construction

12. Is any portion of this activity for which authorization is sought now complete?

☐ Yes

☒ No

If answer is "yes", give reasons in the remarks section. Indicate the existing work on the drawings.

Month and Year the activity was completed _____

13. List all approvals or certifications required by other Federal, state or local agencies for any structures, construction, discharges, deposits or other activities described in this application, including whether the project is a Development of Regional Impacts.

Issuing Agency	Type of Approval	Identification Number	Date of Application	Date of Approval
SFWMD	Regulatory/Wetland permitting	060526-23	May 05 2006	January 13, 2009
City of Coral Gables	Structural (Building/zoning)		December 02, 2008	Under Review
USACE	Regulatory/Wetland permitting	SAJ-2004-10481 (IP-MJW)	May 05, 2006	Under Review

14. Has any other agency denied approval for any activity directly related to the activity described herein?

☐ Yes

☒ No

15. Remarks

16. Estimated project cost = $2,311,453

17. Contractor's name and address

Name: TBD License #: _____

Address: _____

_____ Zip Code: _____

Phone #: _____ Fax #: _____

19. To obtain proprietary authorization for work on state-owned submerged lands, please include an additional copy of the following:

☐ 8½ x 11 Location Map

☐ 8½ x 11 Project Drawing

☐ Copy of Application

18. Application is hereby made for a permit or permit(s) to authorize the activities described herein. I agree to provide any additional information/data that may be necessary to provide reasonable assurance or evidence to show that the proposed project will comply with the applicable State Water Quality Standards or other environmental protection standards both during construction and after the project is completed. I also agree to provide entry to the project site for inspectors from the environmental protection agencies for the purpose of making the preliminary analyses of the site and monitoring permitted works, if permit is granted. I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities.

Signature of owner _____

Alex Muñoz
Asistant County Manager
Miami Dade County

Date: _____

SUBSCRIBED AND SWORN TO ME THIS 2nd DAY OF APRIL, 20 09. BY ALEX MUÑOZ

☒ PERSONALLY KNOWN ☐ PRODUCED IDENTIFICATION (PLEASE CHECK ONE)

TYPE OF ID PRODUCED _____

R. M. GRAND-PIERRE
MY COMMISSION # DD 798360
EXPIRES: June 16, 2012
NOTARY PUBLIC

Attachment B

Affidavit of Ownership and Hold Harmless Agreement

Affidavit of Ownership
And Hold Harmless Agreement

Personally Appeared Before Me, ***Alex Muñoz***, that
(Property owner, lessee or corporate officer if owner is a corporation)
undersigned authority, and hereby swear and affirms under oath as follow:

1. That your affiant is the record owner or lessee of that certain property* more fully described as:

   Chapman Field Park
   13600 Old Cutler Road
   Coral Gables, Fl 33158

   * may attach legal description from public records or plat book or a copy of the warranty deed

2. That your affiant is also the riparian and/or littoral owner or lessee of that certain property that is the subject matter of Application No. ***CC06-255*** for a Class I permit under and pursuant to Section 24-48 of the Code of Miami-Dade County to construct or engage in the following activity:

   Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel.

3. That your affiant hereby swears and affirms its ownership or leasehold in the above noted property necessary for the work noted in Paragraph 2 above, and hereby agrees to: defend same and hold the County harmless from any and all liability, claims and damages of any nature whatsoever occurring, including or arising as a result of your affiant not having the proper title to all lands or proper leasehold to all lands that are the subject matter of this application.

STATE OF FLORIDA
COUNTY OF DADE

Alex Muñoz, Assistant County Manager
Miami Dade County
Owner / Applicant

BEFORE ME, the undersigned authority, personally appeared ALEX MUÑOZ, who, after being duly sworn, deposes and says that he/she has read the foregoing, and that the statements contained therein are true and correct to the best of his/her knowledge and belief.

Sworn to and subscribed before me this 2nd (day) of APRIL (month), 2009 (year)

Notary Signature R. M. Grand-Pierre

Notary Seal R. M. GRAND-PIERRE MY COMMISSION # DD798360 EXPIRES: June 16, 2012 1-800-3 NOTARY Fl. Notary Discount Assoc. Co.

Attachment C

Owner/Agent Letter, Engineer Certification Letter, and Project Sketches

MIAMI-DADE COUNTY

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

miamidade.gov

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

March 19, 2009

PERMIT APPLICANT/AUTHORIZED AGENT STATEMENT

Miami Dade County DERM
Class I Permitting Program
701 NW 1st Court, Suite #600
Miami, FL 33126

Re: Class I Standard Form Permit Application Number CC06-255, Chapman Field – Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel.

By the attached Class I Standard Form permit application with supporting documents, I, Alex Muñoz, am the (permit applicant) / applicant's authorized agent (circle one) and hereby request permission to perform the following: Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel. I understand that a Miami-Dade County Class I Standard Form Permit is required to perform this work.

If approval is granted for the proposed work by the Board of County Commissioners, complete and detailed plans and calculations of the proposed work shall be prepared by an engineer registered/licensed in the State of Florida in accordance with the minimum requirements of Chapter 24 of the Code of Miami-Dade County, Florida. Said plans and calculations shall be subject to the review and approval of the Department of Environmental Resources Management. The permit applicant will secure the services of an engineer registered/licensed in the State of Florida to conduct inspections throughout the construction period, and said engineer shall prepare all required drawings of records.

In the event that the proposed work which is the subject of this Class I Permit application involves the cutting or trimming of a mangrove tree(s), a detailed plan of the proposed cutting of trimming shall be prepared by a licensed landscape architect and submitted to the Department for review and approval, and the permit applicant will secure the services of a licensed landscape architect to supervise the trimming or cutting.

Respectfully submitted,

Alex Muñoz
Assistant County Manager
Miami Dade County

NATIONAL GOLD MEDAL AWARD WINNER FOR EXCELLENCE IN THE FIELD OF PARK AND RECREATION MANAGEMENT
Printed on Recycled Paper

March 26, 2009

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

RE: Class I Standard Form Permit Application Number CC06-255.
Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel.

Ladies and Gentlemen:

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

a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.

b. Harmful or increased erosion, shoaling of channels or stagnant areas of water. (Not applicable to Class IV Permits)

c. Material injury to adjacent property.

d. Adverse Environmental impacts from changes in water quality or quantity. (Applicable to Class IV Permits only)

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

Sincerely,

Oliverio Sanchez, P.E.
P.E. #4771

FIRE DEPARTMENT REQUIREMENTS

1. COMPLETE REMOVAL OF ALL EXOTIC VEGETATION WITHIN 5' OF SOUTH SIDE OF ROAD PATH. (REFER TO ROAD LEGEND, SHEETS C-5 and C-6).
2. CUTTING DOWN TO GROUND LEVEL ALL EXOTIC VEGETATION OUT AND ADDITIONAL 5' TO THE SOUTH OF ROAD PATH (REFER TO ROAD LEGEND, SHEETS C-5 and C-6).
3. MAINTENANCE OF THE 10' CLEARANCE IN THE FUTURE (BY MDPR) WILL BE MANDATORY.
4. REMOVAL OF ALL VEGETATION BETWEEN NORTH SIDE OF ROAD PATH AND BIKE PATH (REFER TO ROAD LEGEND, SHEETS C-5 and C-6).
5. ENSURE THAT THE PROPOSED PARKING AREA SURFACE IS CAPABLE OF CARRYING THE WEIGHT OF FIRE APPARATUS TO ALLOW TURN AROUND OF APPARATUS. (REFER TO ROAD LEGEND, SHEETS C-5 and C-6).

IMPROVEMENTS

PROPOSED LAND IMPROVEMENTS=	4.71 ACRES
PROPOSED CANAL IMPROVEMENTS=	0.21 ACRES
TOTAL IMPROVEMENTS=	4.93 ACRES

SECONDARY IMPACTS

SECONDARY IMPACTS REPRESENT THE POTENTIAL FOR INDIRECT IMPACTS TO OCCUR WITHIN AREAS SURROUNDING THE PROJECT SITE AS A RESULT OF THE PROJECT OR ITS RELATED CONSTRUCTION ACTIVITIES. SECONDARY IMPACTS MAY INCLUDE A DECREASE IN THE NATIVE WILDLIFE UTILIZATION OF THE AREAS ADJACENT TO THE PROJECT SITE. SECONDARY IMPACT AREAS ARE REQUIRED TO BE DEPICTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

ENVIRONMENTAL GENERAL NOTES

1. The contractor shall erect high visibility, protective barriers (i.e. wire fence, barricades, etc.) on the landward side of mangrove fringes or mangrove areas to be preserved. Said barriers shall remain in place through out the entire construction period.
2. Prior to commencement of construction, erosion and turbidity controls (such as, but not limited to hay bales and entrenched silt fencing/screens, turbidity curtains, etc.) shall be installed at the landward-edge (down-slope boundary) along wetlands and surface waters to prevent sedimentation and erosion of soils or waste materials into the wetland areas and/or surface waters. Erosion and turbidity controls shall remain in place until project completion.
3. No debris of any kind shall be disposed of within adjacent mangrove areas. If debris from the construction site falls into adjacent mangrove areas, the debris shall be removed immediately.
4. Fill material shall be limited to suitable clean fill material, which excludes items such as trash, debris, car bodies, asphalt, construction materials, concrete block w/ rebar.
5. All efforts shall be made to avoid impacts to mangrove roots, trees and branches adjacent to the construction zones. Any onsite mangrove impacts not covered under the scope of regulatory permits shall be immediately reported to the appropriate regulatory agencies and mitigation conducted.
6. The appropriate regulatory agencies, i.e. DERM, SFWMD, USACE shall be contacted prior to commencement of construction and once erosion/turbidity controls are in place, to allow time for pre-construction inspections to be conducted.
7. In the event that any items or features of potential archeological or historic significance are encountered, the contractor shall immediately cease all onsite work and notify the Miami-Dade County Historic Preservation Division and/or the appropriate SFWMD service center.
8. All mangrove trimming and/or alteration shall be performed by a licensed landscape professional specialized in mangrove management, and in accordance with regulatory agency requirements.
9. Regulatory agencies (DERM, SFWMD, USACE) shall be notified prior to initiating any onsite mangrove trimming/alteration activities.
10. All dredging and filling to be provided from embankment without impacting existing adjacent mangroves.

COASTAL WETLANDS IMPACT LEGEND

MANGROVES/BOTTONWOODS TO BE REMOVED/ALTERED AT:

-PARKING AREA=	± 0 SF (**)
-PEDEST./BIKE PATH=	± 0 SF (**)
-LAUNCHING PIER=	±2,613 SF
-BRIDGE=	± 481 SF
-EAST CANAL=	±8,874 SF
-SOUTH OF ROAD=	± 42 SF
TOTAL=	±12,020 SF

MANGROVES/BOTTONWOODS TO BE TRIMMED AT:

-WEST CANAL=	± 533 SF
-SOUTH OF ROAD=	± 417 SF
-NORTH OF DIRT RD.=	± 20 SF
TOTAL=	± 975 SF

AREAS TO BE DREDGED WITHIN WETLANDS AT:

-LAUNCHING PIER=	± 609 SF (200 C.Y.) ▲
-BRIDGE=	± 2,460 SF (407 C.Y.) ▲
TOTAL(+)=	± 3,219 SF (607 C.Y.) ▲

AREAS TO BE FILLED WITHIN WETLANDS AT:

-PARKING AREA/WALL=	±5,852 SF (3,200 C.Y.) ▲ *
-BRIDGE EMBANKMENT=	± 516 SF (510 C.Y.) ▲
-PEDEST./BIKE PATH=	±3,469 SF (930 C.Y.) ▲ *
TOTAL=	±9,837 SF (4,640 C.Y.) ▲

SECONDARY IMPACTS AT:

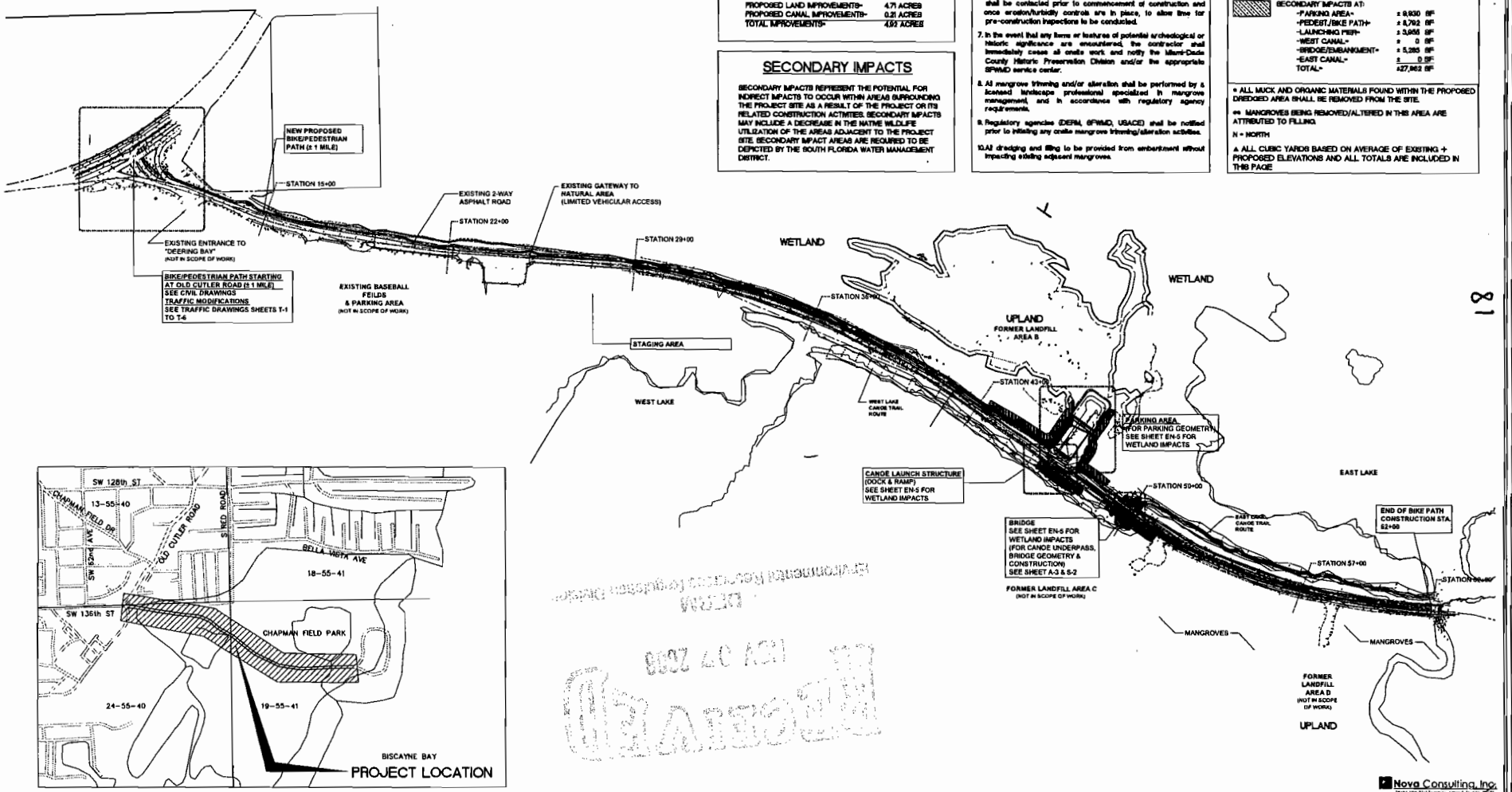
-PARKING AREA=	± 8,930 SF
-PEDEST./BIKE PATH=	± 8,792 SF
-LAUNCHING PIER=	± 3,955 SF
-WEST CANAL=	± 0 SF
-BRIDGE/EMBANKMENT=	± 5,285 SF
-EAST CANAL=	± 0 SF
TOTAL=	±27,962 SF

* ALL MUCK AND ORGANIC MATERIALS FOUND WITHIN THE PROPOSED DREDGED AREA SHALL BE REMOVED FROM THE SITE.

** MANGROVES BEING REMOVED/ALTERED IN THIS AREA ARE ATTRIBUTED TO FILLING.

N = NORTH

▲ ALL CUBIC YARDS BASED ON AVERAGE OF EXISTING + PROPOSED ELEVATIONS AND ALL TOTALS ARE INCLUDED IN THIS PAGE



LOCATION MAP
N.T.S.

SITE PLAN
SCALE: 1"=50'

LAURA M PEREZ
REGISTERED ARCHITECT LIC. AA 0003884
STATE OF FLORIDA

Nova Consulting, Inc.
10484 NW 31st Terrace, Doral, Florida 33172
Ricardo A. Martinez, P.E. - PROJECT MANAGER

Nova Consulting, Inc.
10484 NW 31st Terrace, Doral, Florida, 33172
Florida Certificate of Authorization #26
Nova Consulting - ENVIRONMENTAL CONSULTANT

LAURA M. PEREZ & ASSOCIATES
ARCHITECTS PLANNERS INTERIORS
FLORIDA LICENSE No. AA 0003884
10484 NW 31st Terrace, Doral, Florida 33172
(305) 470-8870 (305) 470-8871 (fax)

Designed by:	LE
Survey:	
Reproduction:	
Project Manager:	Leila Evelyn

Revisions

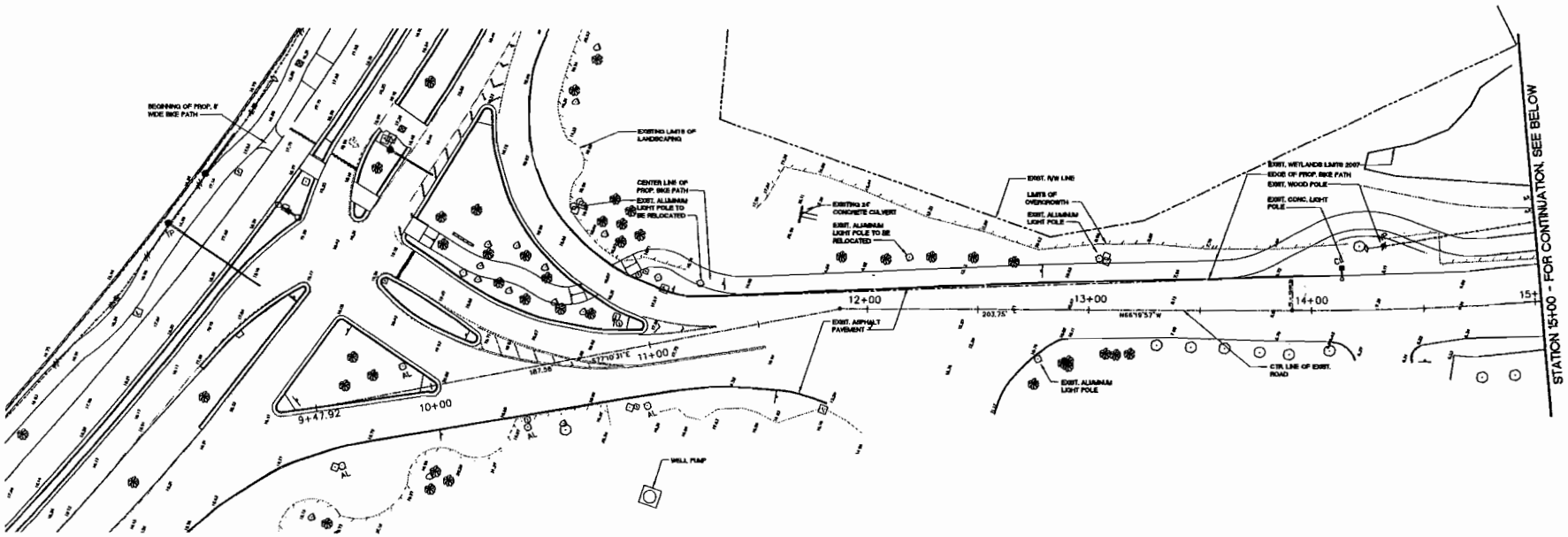
N°	Date	Description
1	6-26-06	Resubmittal to DERM, SFWMD & USACE
2	10-05-06	Resubmittal to DERM for STAMP approval
3	10-31-06	Minor Dredging Revision

Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Project Title:
Chapman Field Park
Phase III-100% CD : Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158

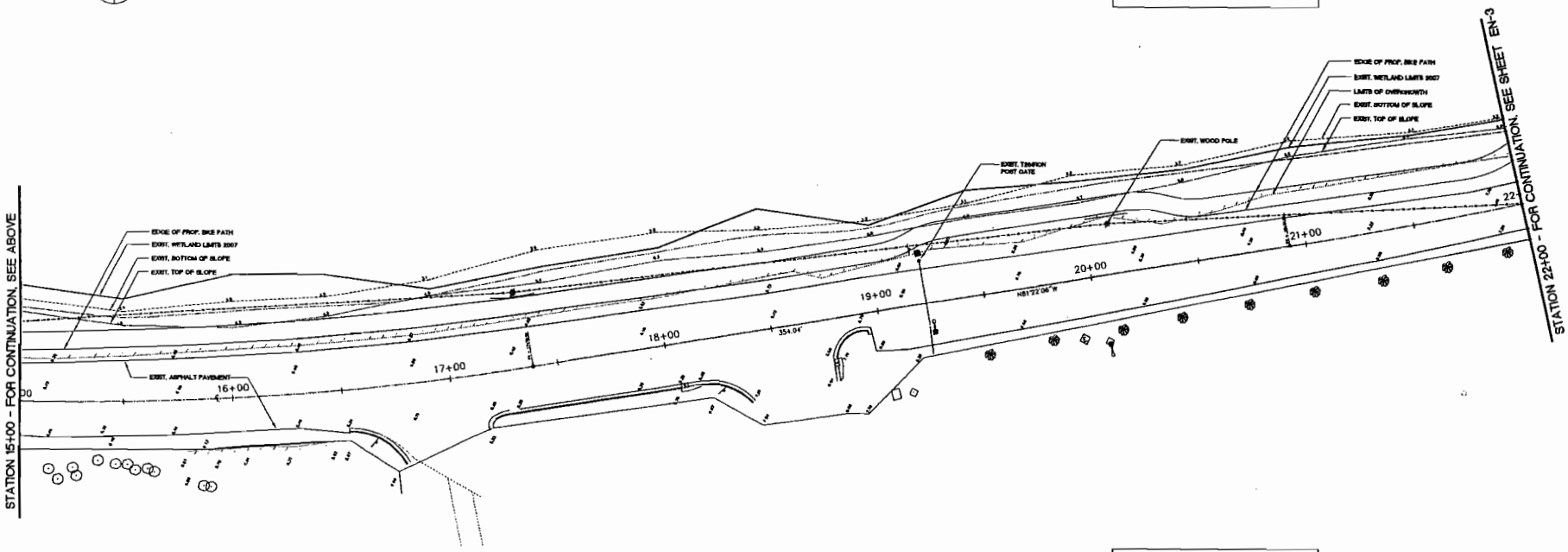
COASTAL WETLANDS IMPACTS

Contract Number: 511901-04-001
Date: 04/25/2007
EN-1 of 8
Dwg:



PLAN (STATION 9+47.92 TO 15+00)
SCALE: 1"=20'

NOTE:
NO IMPACTS TO THE EXISTING COASTAL WETLANDS BETWEEN STA 9+47.92 AND 15+00



PLAN (STATION 15+00 TO 22+00)
SCALE: 1"=20'

NOTE:
NO IMPACTS TO THE EXISTING COASTAL WETLANDS BETWEEN STA 15+00 AND 22+00

LAURA M PEREZ
REGISTERED ARCHITECT LIC. AA 0009004
STATE OF FLORIDA

Nova Consulting, Inc.
Nova Consulting, Inc.

19

Designed by: LE
Survey:
Inspections:
Project Manager: Leila Evelyn

Revisions

N°	Date	Description
	6-25-08	Re-submitted to DERM, SFWM & USACE
	10-09-08	Re-submitted to DERM for STAMP approval

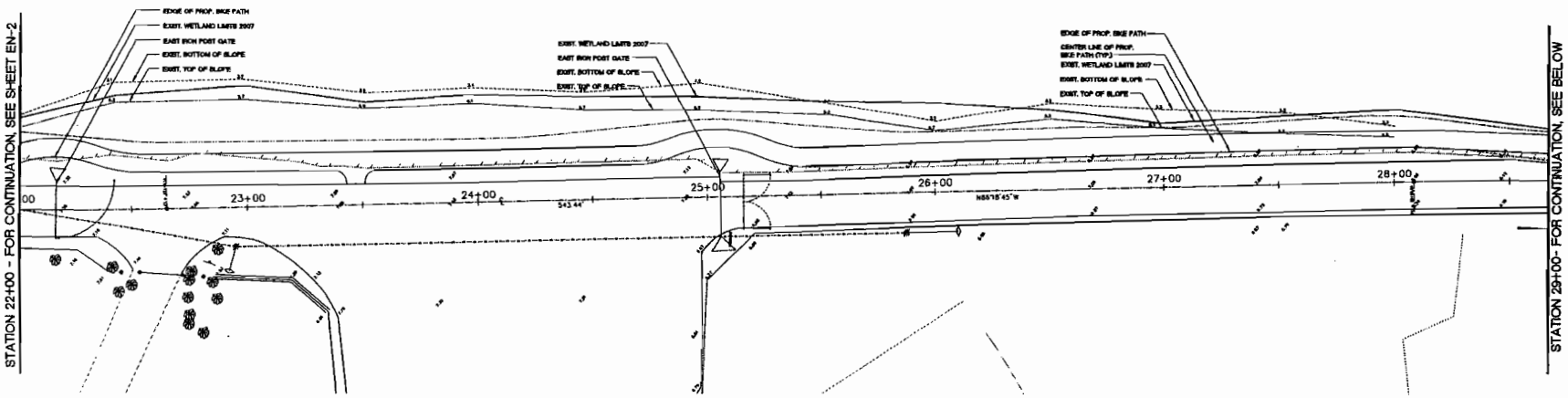
Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

MIAMI-DADE PARKS

Project Title:
Chapman Field Park
Phase III-100% CD :Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158

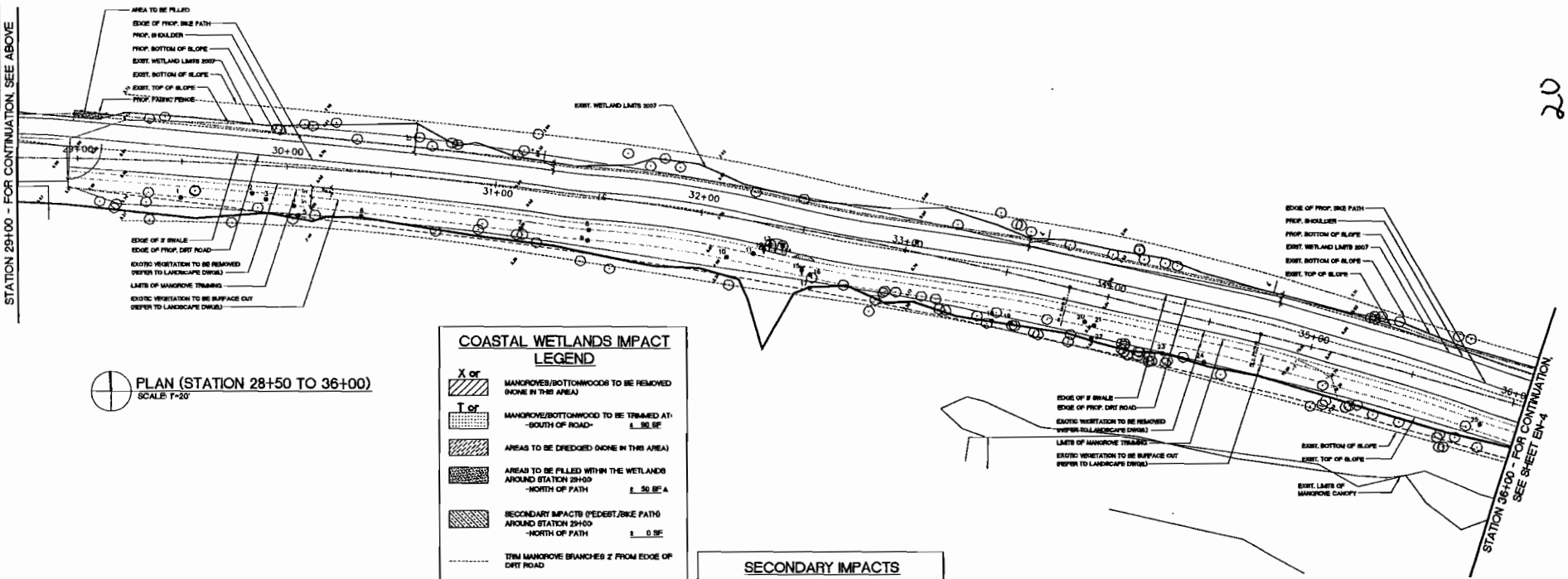
WETLANDS IMPACT ALONG BIKE PATH
(STATION 9+47.92 TO 22+00)

Contract Number: 511901-04-001
Date: 04/25/2007
EN-2 of 8
Dwg:



PLAN (STATION 22+00 TO 29+00)
SCALE: 1"=20'

NOTE:
NO IMPACTS TO THE EXISTING COASTAL WETLANDS BETWEEN STA 22+00 AND 28+50



PLAN (STATION 28+50 TO 36+00)
SCALE: 1"=20'

COASTAL WETLANDS IMPACT LEGEND

X or	MANGROVES/BOTTONWOODS TO BE REMOVED (NONE IN THIS AREA)
T or	MANGROVE/BOTTONWOOD TO BE TRIMMED AT: -SOUTH OF ROAD- ± 90 SF
	AREAS TO BE DREDGED (NONE IN THIS AREA)
	AREAS TO BE FILLED WITHIN THE WETLANDS AROUND STATION 29+00 -NORTH OF PATH ± 50 SF ▲
	SECONDARY IMPACTS (PEDEST./BIKE PATH) AROUND STATION 29+00 -NORTH OF PATH ± 0 SF
	TRIM MANGROVE BRANCHES 2' FROM EDGE OF DIRT ROAD
	PROPOSED FABRIC FENCE
	GENERAL TREES, REFER TO SHEET TD-7, TREE DISPOSITION LIST
97	MANGROVES/BOTTONWOODS, REFER TO SHEET EN-6 FOR LIST OF TREES and MITIGATION
▲	TOTAL CUBIC YARDS FOR THIS PAGE INCLUDED IN SHEET EN-5

SECONDARY IMPACTS

SECONDARY IMPACTS REPRESENT THE POTENTIAL FOR INDIRECT IMPACTS TO OCCUR WITHIN AREAS SURROUNDING THE PROJECT SITE AS A RESULT OF THE PROJECT OR ITS RELATED CONSTRUCTION ACTIVITIES. SECONDARY IMPACTS MAY INCLUDE A DECREASE IN THE NATIVE WILDLIFE UTILIZATION OF THE AREAS ADJACENT TO THE PROJECT SITE. SECONDARY IMPACT AREAS ARE REQUIRED TO BE DEPICTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

LAURA M PEREZ
REGISTERED ARCHITECT LIC. AA C026904
STATE OF FLORIDA

Nova Consulting, Inc.
10464 NW 31st Terrace, Miami, Florida, 33172
Florida Registration No. 4404
Ricardo A. Lawrence, P.E. - PROJECT ENGINEER

Nova Consulting, Inc.
10464 NW 31st Terrace, Miami, Florida, 33172
Florida Certificate No. 7234
Nova Consulting - ENVIRONMENTAL COMPANY

20

Designed by: LE
Survey:
Inspections:
Project Manager: Leila Evelyn

Revisions

N°	Date	Description
	6-25-08	Resubmitted to DERM, SFWM & USACE
	10-09-08	Resubmitted to DERM for STAMP approval

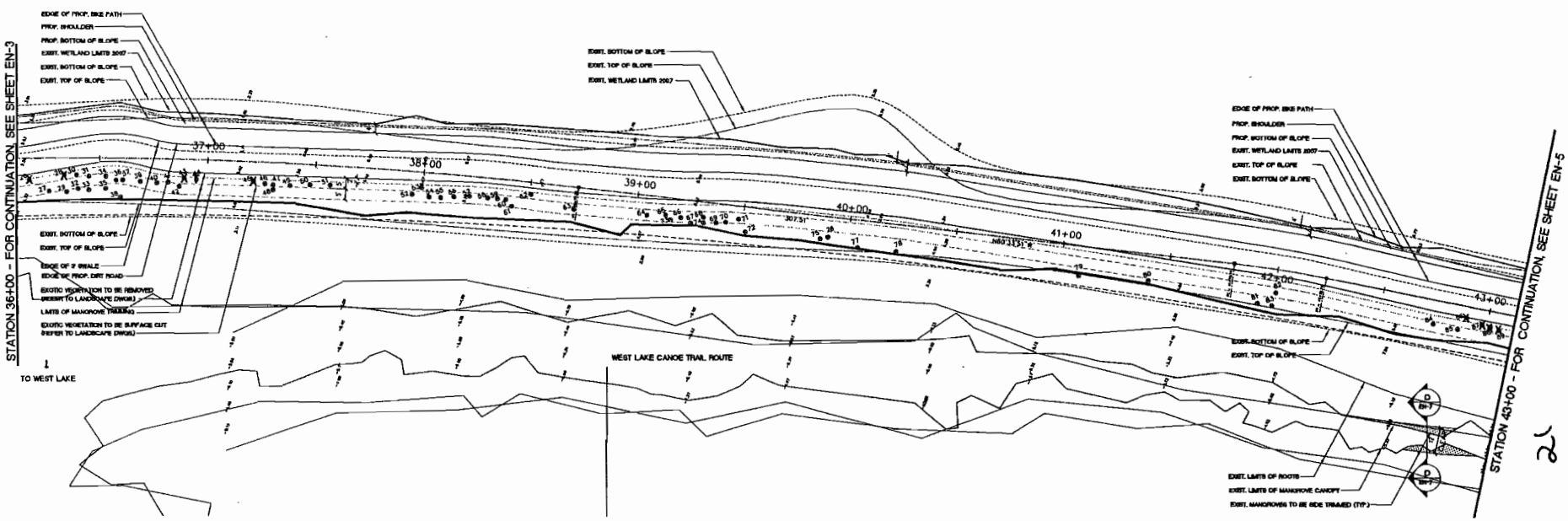
MIAMI-DADE PARKS

Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Project Title:
Chapman Field Park
Phase III-100% CD :Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158

WETLANDS IMPACT ALONG BIKE PATH
(STATION 22+00 TO 36+00)

Contract Number: 511901-04-001
Date: 04/25/2007
EN-3 of 8
Dwg:



PLAN (STA 36+00 TO 43+00)
SCALE 1"=20'

COASTAL WETLANDS IMPACT LEGEND

X or — MANGROVES/BOTTONWOODS TO BE REMOVED AT:
-SOUTH OF ROAD- ± 13 SF

T or — MANGROVE/BOTTONWOOD TO BE TRIMMED WITHIN THE WEST LAKE CANOE TRAIL, BETWEEN STA. 36+00 AND 43+00
-SOUTH OF ROAD- ± 2 SF
-WEST CANAL- ± 174 SF
TOTAL- ± 176 SF

AREAS TO BE DREDGED (NONE IN THIS AREA)

AREAS TO BE FILLED WITHIN THE WETLANDS (NONE IN THIS AREA)

SECONDARY IMPACT AT:
-WEST CANAL - ± 0 SF

TRIM MANGROVE BRANCHES 2' FROM EDGE OF DIRT ROAD

GENERAL TREES, REFER TO SHEET TD-7, TREE DISPOSITION LIST

97 — MANGROVES/BOTTONWOODS, REFER TO SHEET EN-8 FOR LIST OF TREES and MITIGATION

SECONDARY IMPACTS

SECONDARY IMPACTS REPRESENT THE POTENTIAL FOR INDIRECT IMPACTS TO OCCUR WITHIN AREAS SURROUNDING THE PROJECT SITE AS A RESULT OF THE PROJECT OR ITS RELATED CONSTRUCTION ACTIVITIES. SECONDARY IMPACTS MAY INCLUDE A DECREASE IN THE NATIVE WILDLIFE UTILIZATION OF THE AREAS ADJACENT TO THE PROJECT SITE. SECONDARY IMPACT AREAS ARE REQUIRED TO BE DEPICTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

LAURA M PEREZ
REGISTERED ARCHITECT LIC. #A 0026804
STATE OF FLORIDA

Nova Consulting, Inc.
Florida Registration No. 6426
RICARDO A. NORIEGA, P.E. - PROJECT ENGINEER

Nova Consulting, Inc.
Florida Certification No. 7324
Lead Consultant - ENVIRONMENTAL CONSULTANT

Designed by: LE
Drawn by:
Checked by:
Survey:
Inspections:
Project Manager: Laila Evelyn

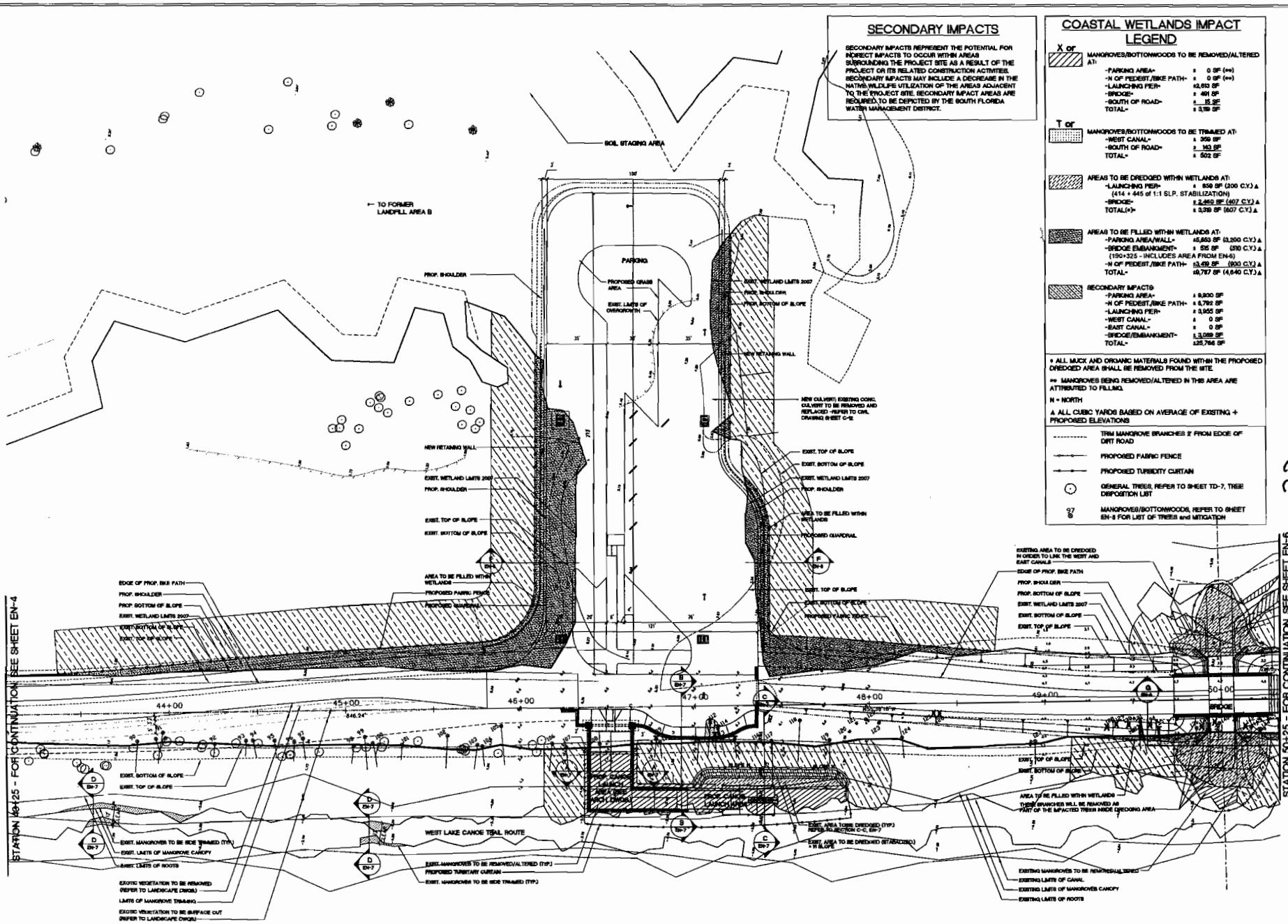
N°	Date	Description
	8-25-08	Resubmittal to RER#4, SFWMD & MDDERM
	10-06-08	Resubmittal to DERM for SFWMP approval

Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Project Title:
Chapman Field Park
Phase III-100% CD :Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL. 33158

WETLANDS IMPACT ALONG BIKE PATH OF WEST CANAL

Contract Number: 511901-04-001
Date: 04/25/2007
EN-4 of 8
Dwg:



PLAN (STA 43+00 TO 50+25
SCALE: 1"-20'

Nova Consulting, Inc.
Nova Consulting, Inc.

LAURA M PEREZ
REGISTERED ARCHITECT NO. AR 0009199
STATE OF FLORIDA

Revisions		
N°	Date	Description
	6-25-08	Resubmittal to DERM, DPWM & USACE
	10-09-08	Resubmittal to DERM for STAMP approval
	10-31-08	Design Development Revisions

Designed by: LE
Drawn by:
Checked by:
Approved by:
Survey:
Inspections:
Project Manager: Leila Evelyn

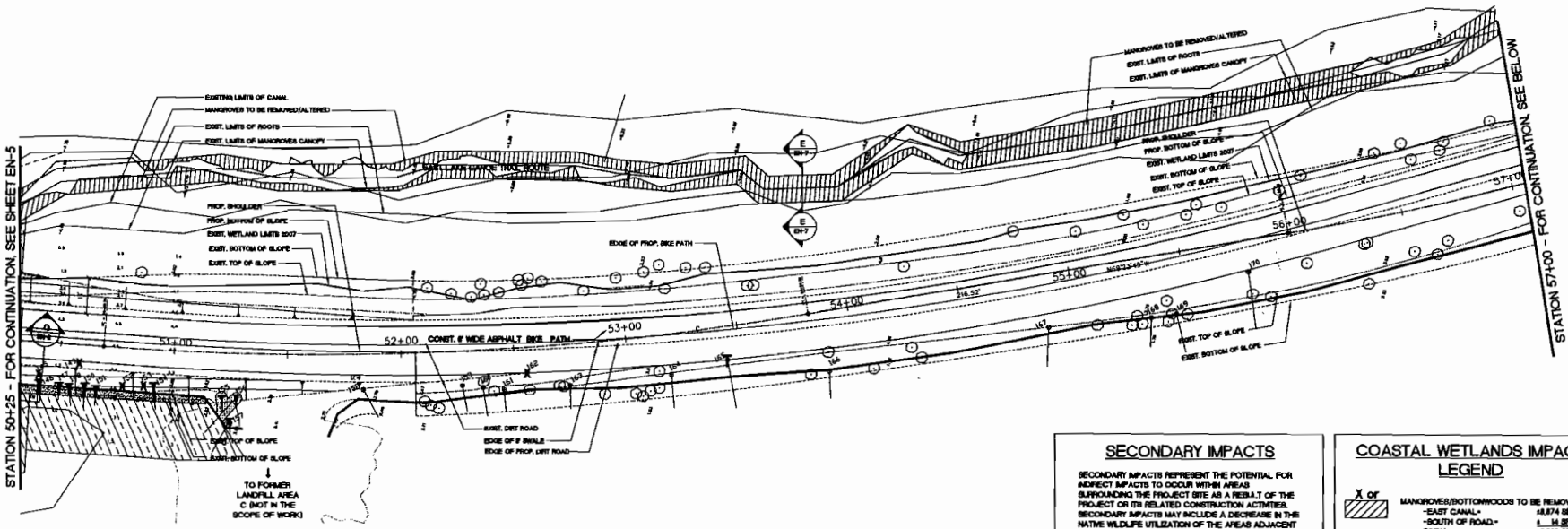
LAURA PEREZ & ASSOCIATES, ARCHITECTS PLANNERS INTERIORS, 7200 SW 87th AVENUE, MIAMI, FLORIDA 33173 (305) 596-1946

Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

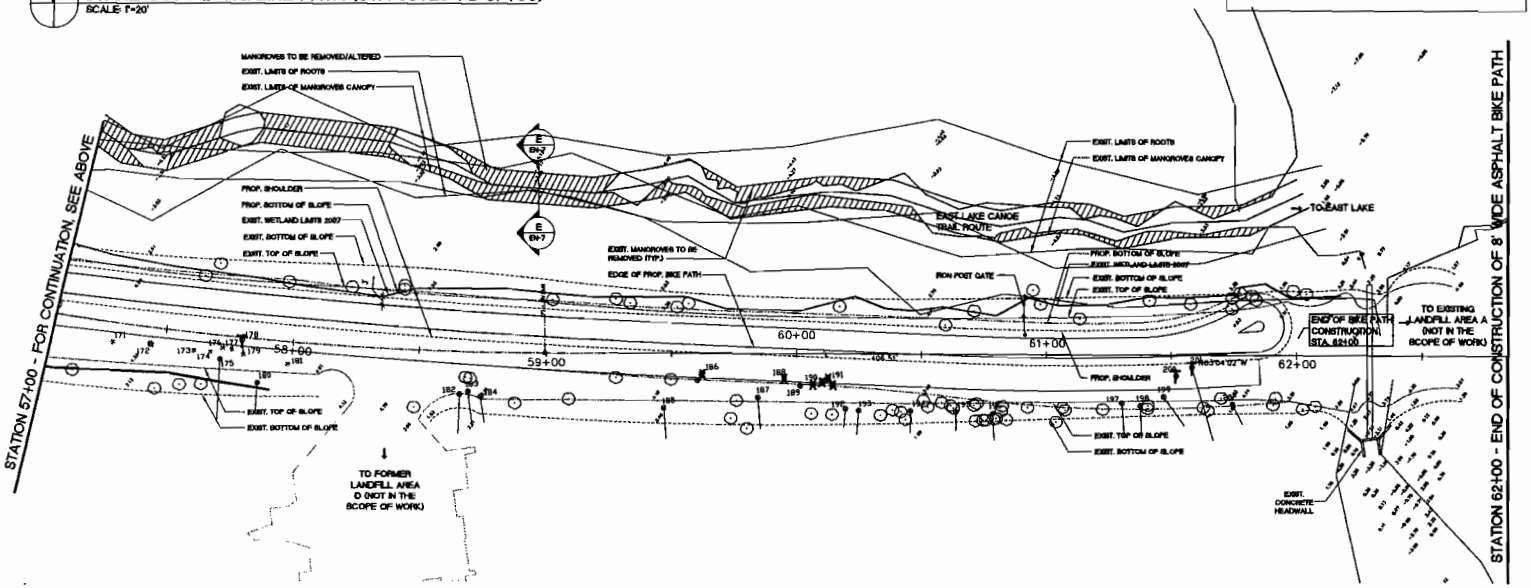
Project Title:
Chapman Field Park
Phase III-100% CD :Phase I Development
13501 OLD CUTLER ROAD, MIAMI FL, 33158

WETLANDS IMPACT ALONG BIKE PATH, PARKING LOT, CANOE LAUNCH AND BRIDGE

Contract Number: 511901-04-001
Date: 04/25/2007
EN-5 of 8
Dwg:



STAKE OUT ALONG BIKE PATH (STA 50+25 TO 57+00)
SCALE: 1"=20'



STAKE OUT ALONG BIKE PATH (STA 57+00 to 62+00)
SCALE: 1"=20'

SECONDARY IMPACTS

SECONDARY IMPACTS REPRESENT THE POTENTIAL FOR INDIRECT IMPACTS TO OCCUR WITHIN AREAS SURROUNDING THE PROJECT SITE AS A RESULT OF THE PROJECT OR ITS RELATED CONSTRUCTION ACTIVITIES. SECONDARY IMPACTS MAY INCLUDE A DECREASE IN THE NATIVE WILDLIFE UTILIZATION OF THE AREAS ADJACENT TO THE PROJECT SITE. SECONDARY IMPACT AREAS ARE REQUIRED TO BE DEPICTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

COASTAL WETLANDS IMPACT LEGEND

X or

MANGROVES/BOTTONWOODS TO BE REMOVED AT:
-EAST CANAL= ±8,874 SF
-SOUTH OF ROAD.= ± 14 SF
TOTAL= ±8,888 SF

T or

MANGROVES/BOTTONWOODS TO BE TRIMMED AT:
-SOUTH OF ROAD.= ± 182 SF
-NORTH OF DIRT RD.= ± 25 SF
(REFER TO SHEET EN-8, LIST OF MANGROVES/ BOTTONWOODS, NORTH OF DIRT ROAD)
TOTAL ±207 SF

AREAS TO BE DREDGED (NONE B/W STA. 50+25 AND 62+00)

AREAS TO BE FILLED WITHIN WETLANDS AT:
-BRIDGE EMBANKMENT= ± 0 SF ▲
(TOTAL INCLUDED IN EN-5)
-NORTH OF PED/BIKE PTH.= ± 0 SF
TOTAL= ± 0 SF ▲

SECONDARY IMPACTS (EAST OF BRIDGE):
-BRIDGE+EMBANKMENT= ± 2,196 SF
-EAST CANAL= ± 0 SF
-NORTH OF PED/BIKE PTH.= ± 0 SF
TOTAL= ± 2,196 SF

PROPOSED FABRIC FENCE

GENERAL TREES, REFER TO SHEET TD-7, TREE DISPOSITION LIST

97 MANGROVES/BOTTONWOODS, REFER TO SHEET EN-8 FOR LIST OF TREES and MITIGATION

▲ TOTAL SQUARE FEET and CUBIC YARDS FOR THIS PAGE INCLUDED IN SHEET EN-5

23

LAURA M PEREZ
REGISTERED ARCHITECT LIC. AR 0009854
STATE OF FLORIDA

Nova Consulting, Inc.
18484 NW 31st Terrace, Miami, Florida 33172
Florida Registration No. 4444
Ricardo A. Martinez, P.E. - PROJECT ENGINEER

Nova Consulting, Inc.
18484 NW 31st Terrace, Miami, Florida 33172
Florida Certification No. 7234
Nova Consulting - ENVIRONMENTAL CONSULTANT

Project Title:
Chapman Field Park
Phase III-100% CD :Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158

WETLANDS IMPACT ALONG EXISTING CANAL

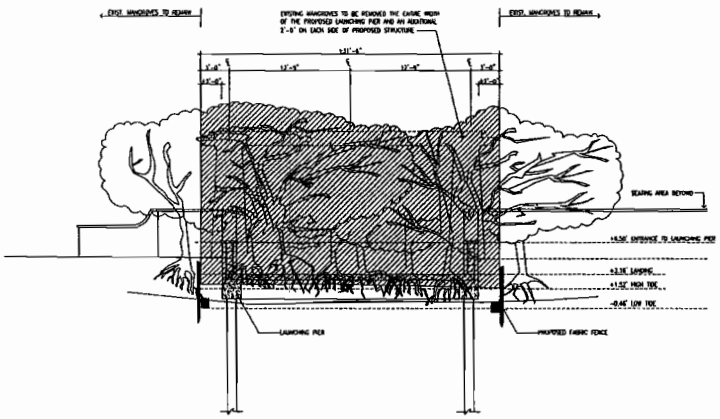
Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Revisions

N°	Date	Description
	6-25-08	Resubmitted to DERM, SFWM & USACE
	10-09-08	Resubmitted to DERM for STAMP approval
	10-31-08	Bridge Designing Revision

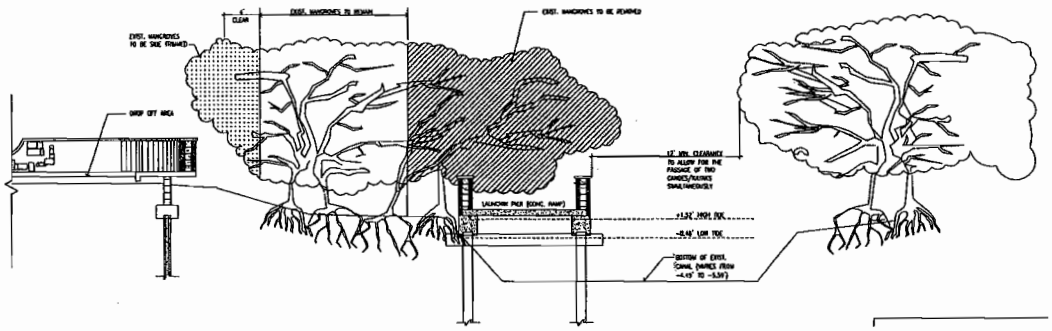
Designed by: LE
Survey:
Inspections:
Project Manager: Leila Evelyn

Contract Number: 511901-04-001
Date: 04/25/2007
EN-6 of 8
Dwg:



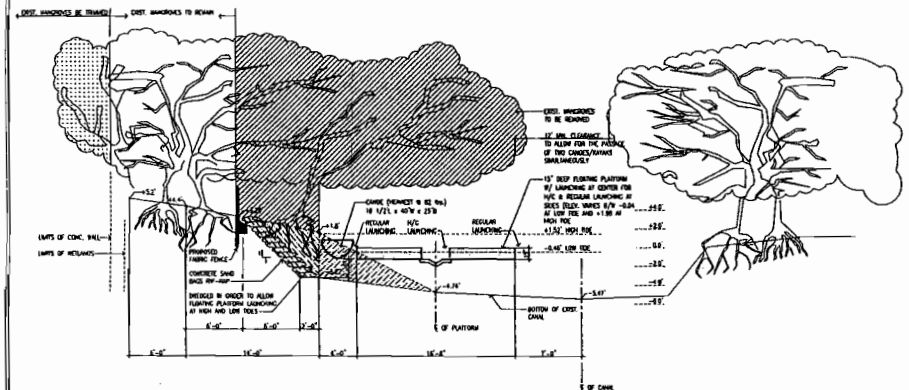
SECTION A-A MANGROVE REMOVAL/ALTERATION AT LAUNCHING PIER

SCALE 1/16"-1'-0



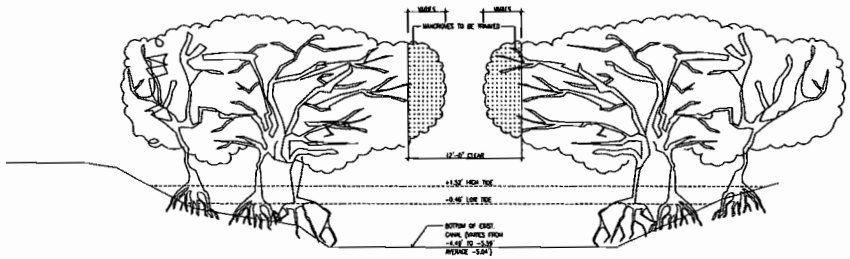
SECTION B-B DREDGING AND MANGROVE ALTERATION AT CANOE LAUNCH

SCALE 1/16"-1'-0



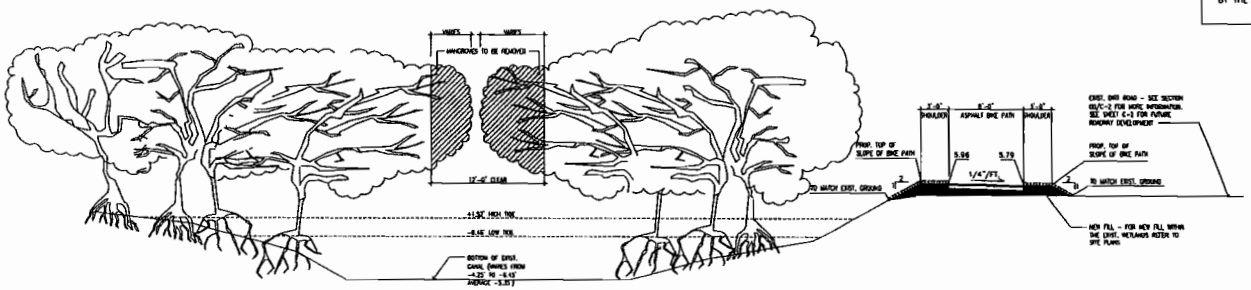
SECTION C-C DREDGING, MANGROVE REMOVAL AND TRIMMING AT CANOE LAUNCH

SCALE 1/16"-1'-0



SECTION D-D MANGROVE TRIMING ALONG WEST CANAL

SCALE 1/16"-1'-0



SECTION E-E MANGROVE REMOVAL ALONG EAST CANAL

SCALE 3/16"-1'-0

SECONDARY IMPACTS

SECONDARY IMPACTS REPRESENT THE POTENTIAL FOR INDIRECT IMPACTS TO OCCUR WITHIN AREAS SURROUNDING THE PROJECT SITE AS A RESULT OF THE PROJECT OR ITS RELATED CONSTRUCTION ACTIVITIES. SECONDARY IMPACTS MAY INCLUDE A DECREASE IN THE NATIVE WILDLIFE UTILIZATION OF THE AREAS ADJACENT TO THE PROJECT SITE. SECONDARY IMPACT AREAS ARE REQUIRED TO BE DEPICTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

COASTAL WETLANDS IMPACT LEGEND

- MANGROVES TO BE REMOVED/ALTERED
- MANGROVES TO BE SIDE TRIMMED
- AREA TO BE DREDGED
- AREA TO BE FILLED WITHIN WETLANDS (FILL ALONG PEDESTRIAN/BIKE PATH VARIES FROM ONE AREA TO THE OTHER - REFER TO SHEETS EN-5 & EN-6 FOR FILL WITHIN WETLANDS)
- NEW FILL (NOT WITHIN WETLANDS)
- EXISTING EARTH
- NEW PROPOSED SHOULDER & SLOPES TO BE STABILIZED WITH SEA ISLE GRASS (PASPOLUM VAGINATUM GRASS) REFER TO LANDSCAPE DRAWINGS.

24

LAURA M PEREZ
REGISTERED ARCHITECT LIC. AR 0018184
STATE OF FLORIDA

Nova Consulting Inc.
Nova Consultants Inc.

Revisions

No	Date	Description
	6-25-06	Resubmittal to DERM, DPWM & MDFD
	10-09-06	Resubmittal to DERM for DTSW approval

Designed by: LE
Survey:
Project Manager: LE

Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Project Title:
Chapman Field Park
Phase III-100%CD: Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158

SECTIONS- WETLANDS IMPACT

Contract Number:
511901-04-001

Date:
4/25/07

EN-7 of 8

Dwg:

SECTION F-F MANGROVE REMOVAL/ALTERATION AT PARKING LOT

SCALE 3/16"=1'-0

SECTION G-G DREDGING AT BRIDGE

SCALE 3/16"=1'-0

COASTAL WETLANDS IMPACT LEGEND

- MANGROVES TO BE REMOVED/ALTERED
- MANGROVES TO BE SIDE TRIMMED
- AREA TO BE DREDGED
- AREA TO BE FILLED WITHIN WETLANDS
- NEW FILL (NOT WITHIN WETLANDS)
- EXISTING EARTH
- NEW PROPOSED SHOULDER & SLOPES TO BE STABILIZED WITH SEA ISLE GRASS (PASPOLUM VAGINATUM GRASS) REFER TO LANDSCAPE DRAWINGS.

SECONDARY IMPACTS

SECONDARY IMPACTS REPRESENT THE POTENTIAL FOR INDIRECT IMPACTS TO OCCUR WITHIN AREAS SURROUNDING THE PROJECT SITE AS A RESULT OF THE PROJECT OR ITS RELATED CONSTRUCTION ACTIVITIES. SECONDARY IMPACTS MAY INCLUDE A DECREASE IN THE NATIVE WILDLIFE UTILIZATION OF THE AREAS ADJACENT TO THE PROJECT SITE. SECONDARY IMPACT AREAS ARE REQUIRED TO BE DEPICTED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

GENERAL NOTE

THERE ARE TWO SEPARATE TREE SURVEYS PROVIDED IN THIS PROJECT & BOTH HAVE THE SAME NUMBERING SYSTEM. WE HAVE SEPARATED EACH SURVEY AS FOLLOWS FOR CLARITY.

a.) TREE SURVEY FOR "ALL" TREES FOR ENTIRE SITE IS PROVIDED UNDER THE LANDSCAPE PLANS, "TD" & "L" SHEETS. THESE PLANS CONTAIN CLIENTS TREE REMOVAL, RELOCATION OF 4 BUTTONWOOD TREES (#s 77, 128, 237, & 685) & REMOVAL OF 1 WHITE MANGROVE TREE (#681). (ALL 5 TREES ARE SHOWN ON SHEET EN-8, SCHEDULE FOR REQUIRED OF MITIGATION, NORTH OF DIRT ROAD.)

b.) SPECIFIC TREE SURVEY FOR "MANGROVES/BOTTONWOODS" ON SOUTH SIDE OF EXISTING ROAD IS PROVIDED UNDER THE "EN" SHEETS. THESE PLANS CONTAIN TRIMMING/REMOVAL OF MANGROVES/BOTTONWOODS & ARE SHOWN ON SHEET EN-8, SCHEDULE FOR REQUIRED OF MITIGATION, SOUTH OF DIRT ROAD.

LIST OF MANGROVES / BOTTONWOODS

(NORTH OF DIRT ROAD) T-TRIM X-REMOVE

TREE #	TRUNK CALLIPER (IN DIA.)	COMMON / SCIENTIFIC NAME	DISPOSITION
77	8	BUTTONWOOD / CONOCARPUS ERECTUS	RELOCATE
128	4	BUTTONWOOD / CONOCARPUS ERECTUS	RELOCATE
237	4	BUTTONWOOD (Mult.) / CONOCARPUS ERECTUS	RELOCATE
681	6	WHITE MANGROVE / LANGUNCULARIA RACEMOSA	X- 25 sf
685	4	BUTTONWOOD (Mult.) / CONOCARPUS ERECTUS	RELOCATE
		REMOVAL TOTAL	25 SF

LIST OF MANGROVES / BOTTONWOODS

(SOUTH OF DIRT ROAD) T-TRIM X-REMOVE

TREE #	DIAMETER	SPREAD	DESCRIPTION	COMMENTS
1	1"	5'	BOTTONWOOD BRANCHE	
2	1/4"	1'	BOTTONWOOD TREE	
3	1/2"	1'	BUTTONWOOD TREE	
4	1"	2'	RED MANGROVE BRANCHE	
5	2"	6'	BUTTONWOOD TREE	
6	1/2"	1'	RED MANGROVE TREE	
7	1"	2'	BUTTONWOOD TREE	
8	1/2"	1'	BUTTONWOOD TREE	
9	3"	7'	BUTTONWOOD TREE	
10	2"	3'	WHITE MANGROVE BRANCHE	
11	3"	7'	BOTTONWOOD BRANCHE	
12	4"	5'	BOTTONWOOD BRANCHE	T-
13	4"	5'	BOTTONWOOD BRANCHE	T- 73sf
14	4"	5'	BOTTONWOOD BRANCHE	T-
15	3"	15'	BUTTONWOOD TREE	T - 3' CLUSTER - 17sf
16	2"	3'	WHITE MANGROVE TREE	
17	1"	2'	RED MANGROVE BRANCHE	
18	1/2	1'	RED MANGROVE BRANCHE	
19	1/2	1'	RED MANGROVE BRANCHE	
20	1"	3'	RED MANGROVE BRANCHE	
21	1/2"	2'	LEATHER FUR	
22	1/2"	1'	RED MANGROVE BRANCHE	
23	1/2"	2'	RED MANGROVE BRANCHE	
24	1/2"	2'	WHITE MANGROVE BRANCHE	
25	1"	5'	BUTTONWOOD TREE	
26	1"	3'	BUTTONWOOD TREE	X - 3sf
27	2"	5'	BUTTONWOOD TREE	
28	1"	5'	BUTTONWOOD TREE	X - MULTIPLE TREES - 2sf
29	2"	5'	BUTTONWOOD TREE	
30	1"	2'	BUTTONWOOD TREE	
31	1"	2'	BUTTONWOOD TREE	
32	2"	2'	BUTTONWOOD TREE	
33	1"	2'	BUTTONWOOD TREE	
34	1"	2'	BUTTONWOOD TREE	
35	1"	2'	BUTTONWOOD TREE	
36	1"	2'	BUTTONWOOD TREE	
37	1"	2'	BUTTONWOOD TREE	
38	1"	2'	BUTTONWOOD TREE	
39	1"	2'	BUTTONWOOD TREE	
40	1"	2'	BUTTONWOOD TREE	
41	1"	2'	BUTTONWOOD TREE	
42	1"	2'	BUTTONWOOD TREE	
43	2"	2'	BUTTONWOOD TREE	X - 2sf
44	1"	2'	BOTTONWOOD BRANCHE	T - 2sf
45	1"	2'	BUTTONWOOD TREE	X - 2sf
46	1"	2'	BUTTONWOOD TREE	
47	1"	2'	BUTTONWOOD TREE	
48	4"	15'	BOTTONWOOD BRANCHE	(3) 4" BRANCHES
49	1"	2'	BUTTONWOOD TREE	
50	1"	2'	BUTTONWOOD TREE	
51	1"	2'	BUTTONWOOD TREE	
			TRIM SEMI-TOTAL	92 SF
			REMOVAL SEMI-TOTAL	8 SF

LIST OF MANGROVES / BOTTONWOODS - Cont.

(SOUTH OF DIRT ROAD) T-TRIM X-REMOVE

TREE #	DIAMETER	SPREAD	DESCRIPTION	COMMENTS
52	1"	1'	BUTTONWOOD TREE	
53	1"	1'	BUTTONWOOD TREE	
54	2"	2'	BUTTONWOOD TREE	MULTIPLE TREES
55	2"	2'	BUTTONWOOD TREE	MULTIPLE TREES
56	1"	2'	BUTTONWOOD TREE	MULTIPLE TREES
57	1"	2'	BUTTONWOOD TREE	MULTIPLE TREES
58	1"	2'	BOTTONWOOD BRANCHE	
59	1"	1'	BUTTONWOOD TREE	
60	1"	2'	BUTTONWOOD TREE	MULTIPLE TREES
61	2"	7'	BOTTONWOOD BRANCHE	(2) 2" BRANCHES
62	1"	1'	BUTTONWOOD TREE	
63	2"	3'	BUTTONWOOD TREE	MULTIPLE TREES
64	2"	10'	BUTTONWOOD TREE	MULTIPLE TREES
65	1"	2'	BUTTONWOOD TREE	
66	1"	2'	BUTTONWOOD TREE	
67	1"	2'	BUTTONWOOD TREE	
68	1"	2'	BUTTONWOOD TREE	
69	1"	2'	BUTTONWOOD TREE	
70	1"	2'	BUTTONWOOD TREE	
71	1"	2'	BUTTONWOOD TREE	
72	1"	2'	BUTTONWOOD TREE	
73	2"	5'	BOTTONWOOD BRANCHE	
74	1"	3'	BOTTONWOOD BRANCHE	
75	1"	2'	BOTTONWOOD BRANCHE	
76	1"	2'	RED MANGROVE BRANCHE	
77	1"	2'	RED MANGROVE BRANCHE	
78	1"	2'	RED MANGROVE BRANCHE	
79	1"	2'	RED MANGROVE BRANCHE	
80	1"	2'	RED MANGROVE BRANCHE	
81	1"	2'	RED MANGROVE BRANCHE	
82	2"	5'	BOTTONWOOD BRANCHE	
83	2"	2'	RED MANGROVE BRANCHE	
84	3"	3'	BOTTONWOOD BRANCHE	(2) 3" BRANCHES
85	1"	3'	BUTTONWOOD TREE	
86	1"	1'	BUTTONWOOD TREE	X - MULTIPLE TREES - 1sf
87	1"	1'	BUTTONWOOD TREE	X - 1sf
88	1"	1'	BUTTONWOOD TREE	X - MULTIPLE TREES - 1sf
89	1"	1'	BUTTONWOOD TREE	X - MULTIPLE TREES - 1sf
90	1"	1'	RED MANGROVE TREE	
91	2"	10'	RED MANGROVE BRANCHE PROP UP ROOTS	(3) 2" BRANCHES
92	1"	1'	RED MANGROVE BRANCHE	
93	1"	1'	RED MANGROVE BRANCHE	
94	1"	1'	RED MANGROVE BRANCHE	
95	1"	1'	RED MANGROVE BRANCHE	
96	1"	1'	RED MANGROVE BRANCHE	
97	1"	1'	RED MANGROVE BRANCHE	
98	1"	1'	WHITE MANGROVE BRANCHE	
99	1"	1'	BLACK MANGROVE BRANCHE	
100	1"	1'	RED MANGROVE BRANCHE	(2) 1" BRANCHES
101	1"	1'	RED MANGROVE BRANCHE	
102	1"	1'	RED MANGROVE BRANCHE	
			TRIM SEMI-TOTAL	N/A
			REMOVAL SEMI-TOTAL	4 SF

LIST OF MANGROVES / BOTTONWOODS - Cont.

(SOUTH OF DIRT ROAD) T-TRIM X-REMOVE

TREE #	DIAMETER	SPREAD	DESCRIPTION	COMMENTS
103	1"	1'	RED MANGROVE BRANCHE	
104	1"	1'	RED MANGROVE BRANCHE	
105	3"	5'	BOTTONWOOD BRANCHE	
106	1"	1'	RED MANGROVE BRANCHE	
107	1"	1'	RED MANGROVE BRANCHE	
108	2"	2'	BOTTONWOOD BRANCHE	
109	1"	1'	RED MANGROVE BRANCHE	T - 3sf
110	1"	1'	RED MANGROVE BRANCHE	
111	1"	1'	RED MANGROVE BRANCHE	
112	2"	5'	BOTTONWOOD BRANCHE	T - (2) 2" BRANCHES -
113	1"	1'	BOTTONWOOD BRANCHE	T- 85 sf
114	1"	1'	WHITE MANGROVE BRANCHE	T-
115	1"	1'	RED MANGROVE BRANCHE	T-
116	1"	1'	RED MANGROVE BRANCHE	
117	1"	1'	RED MANGROVE BRANCHE	
118	2"	3'	BOTTONWOOD BRANCHE	
119	1"	1'	RED MANGROVE BRANCHE	
120	2"	2'	BUTTONWOOD TREE	
121	2"	2'	BUTTONWOOD TREE	
122	1"	1'	BUTTONWOOD TREE	
123	1"	1'	BUTTONWOOD TREE	
124	2"	3'	BOTTONWOOD BRANCHE	
125	1"	2'	BUTTONWOOD TREE	X- 2 sf
126	2"	2'	BUTTONWOOD TREE	X- 2 sf
127	1"	1'	RED MANGROVE BRANCHE	
128	1"	1'	BUTTONWOOD TREE	X- 1 sf
129	1"	1'	BUTTONWOOD TREE	X- 1 sf
130	1"	1'	BUTTONWOOD TREE	X- 1 sf
131	1"	1'	BUTTONWOOD TREE	T- 11 sf
132	1"	1'	BUTTONWOOD TREE	T- 7sf
133	1"	1'	BUTTONWOOD TREE	
134	1"	1'	BUTTONWOOD TREE	X- 1 sf
135	1"	1'	BUTTONWOOD TREE	T- 7 sf
136	1"	1'	WHITE MANGROVE BRANCHE	**
137	1"	1'	BUTTONWOOD TREE	X- 1 sf
138	1"	1'	BUTTONWOOD TREE	X- 1 sf
139	1"	1'	BUTTONWOOD TREE	X- 1 sf
140	1"	1'	BOTTONWOOD BRANCHE	**
141	2"	3'	BOTTONWOOD BRANCHE	X- 3 sf
142	1"	1'	BUTTONWOOD TREE	X- 1 sf
143	1"	1'	BOTTONWOOD BRANCHE	**
144	1"	1'	BOTTONWOOD BRANCHE	**
145	1"	1'	BUTTONWOOD TREE	X- 1 sf
146	1"	1'	BOTTONWOOD BRANCHE	T- 6 sf
147	1"	1'	BOTTONWOOD BRANCHE	T- 5 sf
148	1"	1'	BOTTONWOOD BRANCHE	T- 5 sf
149	1"	1'	BUTTONWOOD TREE	X- 1 sf
150	1"	1'	BOTTONWOOD BRANCHE	T- 5 sf
151	1"	1'	BOTTONWOOD BRANCHE	T- 5 sf
152	1"	1'	BUTTONWOOD TREE	X- 1 sf
			TRIM SEMI-TOTAL	163 SF
			REMOVAL SEMI-TOTAL	18 SF

**BRANCHES WILL BE REMOVED AS PART OF IMPACTED TREES INSIDE DREDGING AREA

LIST OF MANGROVES / BOTTONWOODS - Cont.

(SOUTH OF DIRT ROAD) T-TRIM X-REMOVE

TREE #	DIAMETER	SPREAD	DESCRIPTION	COMMENTS
153	1"	1'	BUTTONWOOD TREE	X- 1 sf
154	1"	1'	BOTTONWOOD BRANCHE	T- 8 sf
155	1"	5'	BOTTONWOOD BRANCHE	T- 97 sf
156	1"	5'	BOTTONWOOD BRANCHE	T-
157	1"	3'	RED MANGROVE BRANCHE	T- 12 sf
158	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
159	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
160	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
161	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
162	1"	2'	BOTTONWOOD BRANCHE	X- 2 sf
163	1"	2'	RED MANGROVE BRANCHE	
164	1"	2'	RED MANGROVE BRANCHE	
165	1"	2'	WHITE MANGROVE BRANCHE	T- 2 sf
166	1"	2'	RED MANGROVE BRANCHE	
167	1"	2'	RED MANGROVE BRANCHE	
168	1"	2'	RED MANGROVE BRANCHE	
169	1"	2'	RED MANGROVE BRANCHE	
170	2"	2'	WHITE MANGROVE BRANCHE	
171	1"	2'	BUTTONWOOD TREE	
172	2"	3'	BUTTONWOOD TREE	
173	1"	2'	BUTTONWOOD TREE	
174	1"	2'	BUTTONWOOD TREE	
175	2"	2'	WHITE MANGROVE BRANCHE	
176	1"	2'	BUTTONWOOD TREE	
177	1"	2'	BUTTONWOOD TREE	
178	1"	2'	BOTTONWOOD BRANCHE	T- 6 sf
179	1"	2'	BUTTONWOOD TREE	
180	1"	2'	RED MANGROVE BRANCHE	
181	1"	2'	BUTTONWOOD TREE	
182	1"	2'	RED MANGROVE BRANCHE	
183	1"	2'	RED MANGROVE BRANCHE	
184	1"	2'	RED MANGROVE BRANCHE	
185	1"	1'	BLACK MANGROVE BRANCHE	
186	1"	3'	BUTTONWOOD TREE	X- MULTIPLE TREES - 3 sf
187	1"	2'	BOTTONWOOD BRANCHE	
188	1"	1'	BUTTONWOOD TREE	X- 1 sf
189	1"	1'	BUTTONWOOD TREE	
190	1"	1'	BUTTONWOOD TREE	X- 1 sf
191	1"	3'	BUTTONWOOD TREE	X- MULTIPLE TREES - 3 sf
192	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
193	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
194	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
195	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
196	1"	2'	RED MANGROVE BRANCHE	
197	1"	2'	RED MANGROVE BRANCHE	
198	1"	2'	RED MANGROVE BRANCHE	
199	1"	2'	RED MANGROVE BRANCHE PROP UP ROOTS	
200	1"	2'	RED MANGROVE BRANCHE	T- 12 sf
201	1"	2'	RED MANGROVE BRANCHE	T- 19 sf
202	1"	2'	RED MANGROVE BRANCHE	
			TRIM SEMI-TOTAL	156 SF
			REMOVAL SEMI-TOTAL	11 SF

TRIM TOTAL	417 SF
REMOVAL TOTAL	42 SF

25

LAURA M. PEREZ
REGISTERED ARCHITECT LIC. AA C001864
STATE OF FLORIDA

Nova Consulting, Inc.
Florida Registration No. 6464
Ricardo A. Martinez, P.E. - PROJECT ENGINEER

Nova Consulting, Inc.
Florida Certification No. 726
Nova Consulting - ENVIRONMENTAL CONSULTANT

LAURA M. PEREZ & ASSOCIATES
ARCHITECTS-PLANNERS-INTERIOR DESIGNERS
FLORIDA LICENSE No. AA-C001864

Project Title:
Chapman Field Park
Phase III-100%CD: Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158
SECTIONS- WETLANDS IMPACT

Miami-Dade County Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Revisions		
N°	Date	Description
	6-25-08	Resubmittal to DERM, SFWM & USACE
	10-09-08	Resubmittal to DERM for STAMP approval
	10-31-08	Bridge Dredging Revision

Designed by: LE
Survey:
Inspections:

Contract Number: 511901-04-001
Date: 4/25/07
EN-8 of 8
Dwg:

Attachment D

Zoning Memorandum

Memorandum

MIAMI-DADE COUNTY

Date: March 19, 2008

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

From: Lourdes Barrelli, Biologist II
Coastal Resources Section
Environmental Resources Management

Subject: Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel

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

Attachment E

Mitigation Plan

MITIGATION PLAN

FOR

CHAPMAN FIELD PARK

13600 Old Cutler Road
Miami-Dade County, Florida
Folio Number 03-5024-001-0030

Prepared for

MIAMI-DADE COUNTY PARKS AND RECREATION DEPARTMENT
275 NW 2ND Street
Miami, Florida 33128

Prepared by

NOVA CONSULTING, INC.
10486 N.W. 31st Terrace
Miami, Florida 33172

Project No. 6402

November 2008

MITIGATION PLAN

CHAPMAN FIELD PARK
13600 OLD CUTLER ROAD
MIAMI-DADE COUNTY, FLORIDA

1 Mitigation Plan

The subject mitigation project objectives are to restore the habitat of Chapman Field Park for a variety of marine and bird-life and to improve water quality in Biscayne Bay by reducing point source discharge of landfill pollutants. This mitigation project shall be used to offset the wetland impacts associated with the Class I Permit Application by Miami-Dade County to Dredge and Fill Wetlands and Trim and Alter Mangroves in Chapman Field Park for the Construction of a Pedestrian/Bicycle Path with an Associated Swale Area, an Emergency Vehicle Access Along the Existing Fill Road, a Canoe Access and Launch Area with a Fixed Pier, Ramp, Floating Dock, and Riprap Bag Revetment, a Parking Lot with a Retaining Wall and the Replacement of an Existing Culvert, the Excavation of an Access Channel to Connect Existing Navigable Channels to be Stabilized by Riprap Bag Revetments, and the Construction of a Bridge Over the New Access Channel. The mitigation project has been permitted under the following permit numbers:

- DERM Class I Permit No. CC04-112 (Previously issued on March 27, 2007)
- SFWMD Permit No. 13-02333-P
- USACE Permit No. SAJ-2004-4379(NW-JLK)

Copies of the approved permits are attached to this report.

1.1 Estimated Mitigation

Uniform Mitigation Assessment Method (UMAM) calculations conducted for the project area yielded a Functional Loss for the project area of 0.499. It was also calculated, via UMAM, that the proposed mitigation site would have an estimated Functional Gain of 0.531. Therefore, the proposed mitigation area would be sufficient to compensate for the impacts to other wetland areas of the park during the proposed park improvements.

1.2 Current Site Conditions

The proposed mitigation area is part of a permitted restoration and enhancement project being conducted on two sites within the park. The permitted area consists of one 3-acre site and one 8-acre site. However, onsite mitigation for this project will only be conducted within the northern half of the 8-acre site (See Figure 1). The restoration of the entire 8-acre site is being conducted in two phases. The first phase (Phase I) consists of a 3.7-acre area and the second phase (Phase II) consists of a 4.27-acre area. The first phase is currently under construction at this time.

The proposed mitigation area is a 3 acre area along the northern portion of the 8-acre permitted restoration site. The site was previously used as a landfill in the 1960's and 1970's and was subject to dumping of construction and wood debris, as well as unregulated dumping of household trash. Due to the historical filling, the site currently consists of disturbed uplands and is overgrown with exotic vegetation, mostly Brazilian Pepper (See Figure 2). The areas

adjacent to the former landfill were not subject to filling and consist of un-impacted mangrove areas.

The areas adjacent to the mitigation site are tidally connected to Biscayne Bay; however the hydrology of the mitigation site has been altered by the land filling activities and resulting elevation and topography changes.

1.3 Proposed Mitigation Site Activities

1.3.1 Site Preparation and Solid Waste Disposal

All exotic vegetation, including root systems, shall be removed from the site prior to excavation. All exotics existing outside the fill area (and within mangrove zones) will be hand-treated with herbicide and left in place. After the site has been completely cleared of any exotic or nuisance vegetation, preparations will be made to remove the existing onsite fill.

The existing fill on the site is mixed with trash items and will be considered solid waste once excavated. The current elevation at the proposed mitigation site is approximately 2.12 to 5.62 National Geodetic Vertical Datum (NGVD). The site will be scraped down to the bedrock, between approximately -1.0 and -2.0 NGVD, to remove all solid waste materials, and the solid waste will be transported via truck to the South Dade Landfill for disposal. See Figure 3 for existing conditions and proposed excavation.

Mangrove planting areas will be backfilled with wetland-suitable muck soil to a grade of approximately 1.0 NGVD. Flushing channels will be excavated along the site to improve natural surface flow. The flushing channel locations will remain at -1.0 to -2.0 NGVD with a 2.5:1 slope between planted areas and the flushing channels (see Figure 4). The adjusted site elevation after excavation and grading and; the creation of deeper water channels and lagoons at the site will provide increased flushing as well as habitat for a variety of species, including wading birds (white ibis, herons, etc.) and reptiles (such as previously observed crocodiles to the north of the mitigation site).

1.3.2 Vegetative Planting and Site Protection

After removal of the existing fill and backfilling with suitable muck soil, the proposed mitigation site will be planted with 11-16 inch red mangrove (Rhizophora mangle) seedlings. The seedlings shall be placed on 3-foot centers at the time of planting. The planting will be conducted by community volunteers, under the direction of Mr. Gary Milano of DERM. If volunteers are not available to assist in planting the area, arrangements will be made between DERM and the Miami-Dade County Parks and Recreation Department to have a licensed contractor (specialized in this arena) to complete the onsite planting.

The entryway of the site, adjacent to the existing fill road, consists of a narrow strip of fill that will be removed and backfilled with suitable muck soil. This area will have a 3:1 slope from the edge of the existing fill road to the proposed planting areas within the mitigation site. A buffer

area has not been proposed for the site, due to its location within the park. The lack of development in the area and low traffic volumes deem the need for a buffer area unnecessary.

However, to prevent unauthorized access and potential impact to the mitigation site, signage will be placed at the entrance to the site, along the existing fill road. The sign will be approximately 2 feet x 3 feet in size and will read the following:

Mangrove Restoration and Preserve Area

Do Not Disturb
No Unauthorized Entry
No Dumping

In order to ensure the protection of the mitigation site into perpetuity, a Standard Conservation Easement document has been prepared by the Miami-Dade County Parks and Recreation Department. The Conservation Easement will be used to protect the mitigation site from alteration from its permitted condition, by human disturbances such as construction, fill, encroachment, vegetation removal, vegetation maintenance, etc. unless such activities are part of the permitted perpetual maintenance of the mitigation/preservation area.

A biologist will be onsite during all construction activities to ensure that the existing mangroves and surface waters are not adversely impacted. Silt fencing, turbidity barriers, and/or other sediment and erosion control measures will be utilized during all aspects of project construction that may generate turbidity. During onsite work, turbidity screens and silt fencing shall be installed around the limits of construction to ensure that the adjacent wetlands and the adjacent waters of the Biscayne Bay Aquatic Preserve are not adversely affected.

1.4 Maintenance and Monitoring

1.4.1 Success Criteria

Following the construction of the mitigation site, a baseline survey will be conducted at the site. The information collected will be compiled in a time zero monitoring report by the Miami-Dade Parks and Recreation Department (or designated sub-consultant) and will be submitted to the regulatory agencies for review and comment. The time zero report will include details of the construction of the mitigation site, including but not limited to, the number and type of plants used, hydrologic conditions, total quantity of waste removed and photo documentation of the current site conditions.

Success monitoring will be conducted on a semi-annual basis for a period of five (5) years. At the conclusion of each monitoring event, a semi-annual monitoring report will be submitted by the Miami-Dade Parks and Recreation Department (or designated sub-consultant) to the regulatory agencies for review and comment.

The vegetative monitoring will consist of randomly located transects, utilizing the line intercept methodology, semi-annual observations within (3) 1-square meter fixed grids, every 10-meters along the 30-meter transect(s). The following detailed observations will be recorded at each monitoring grid, along each transect:

- Species;
- Plant height;
- Diameter at breast height (if applicable);
- Presence of prop roots.

The 5-year monitoring plan will be conducted to ensure an eighty percent (80%) coverage of wetland species by the end of the 5-year period. Nuisance and exotic species will be at 0% coverage and any nuisance species noted in the mitigation area will be hand treated and/or removed. Mortality of wetland species noted during monitoring will be addressed through replanting, to maintain the required wetland species coverage.

To assist the monitoring team, the portion of the 8-acre site used by the Miami-Dade Parks and Recreation Department as mitigation for the proposed park improvements, will be delineated by rebar and/or polyvinyl chloride (PVC) pipes.

1.5 Project Timeline and Deliverables

Construction of the mitigation site is scheduled to begin during the first part of 2009. This schedule has been proposed in order to take advantage of the local dry season, which would assist in limiting weather-related delays. The following is an estimate of proposed activities and deliverables for the mitigation site:

Date	Activity
• March 2009	• Construction of surface water management structures
• April – July 2009	• Earthwork/Site Grading/Excavation
• August 2009	• Mangrove seedling Planting
• August 2009	• Installation of permanent markers/signage
• September 2009	• Submittal of As-built Plans
• September 2009	• Submittal of Time Zero Monitoring Report
• March 2010	• 1st Semi-Annual Monitoring Report
• September 2010	• 2nd Semi-Annual Monitoring Report
• March 2011	• 3rd Semi-Annual Monitoring Report
• September 2011	• 4th Semi-Annual Monitoring Report
• March 2012	• 5th Semi-Annual Monitoring Report
• September 2012	• 6th Semi-Annual Monitoring Report
• March 2013	• 7th Semi-Annual Monitoring Report
• September 2013	• 8th Semi-Annual Monitoring Report
• March 2014	• 9th Semi-Annual Monitoring Report
• September 2014	• Final 5-year Monitoring Report

1.6 Estimated Budget

The estimated cost (for the Miami-Dade County Parks and Recreation Department) to complete the construction of the 3-acre mitigation site is currently $179,000 per acre for a total estimated cost of $537,000. DERM has also agreed to remove the associated tipping fees (for solid waste disposal) from the estimated costs to the Parks Department. Therefore, the cost of solid waste disposal is not included in the above totals.

A copy of the most recent cost estimate provided by DERM, for entire second phase of the restoration project, is attached to this report.

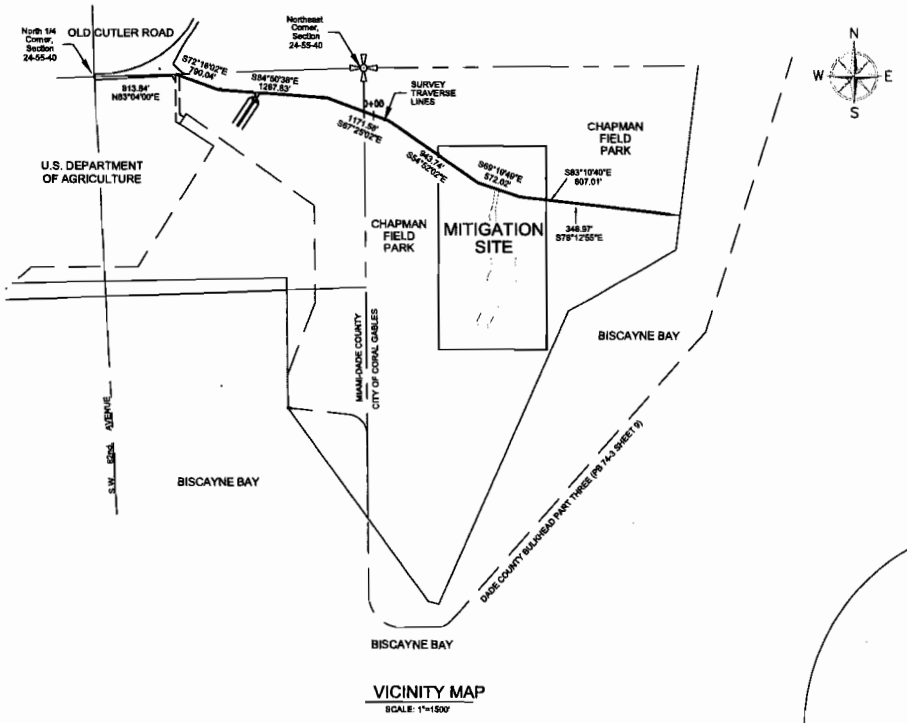
2 References

ATC Group Services, Inc. April 15, 2003. *Site Assessment Report – Chapman Field Park.*

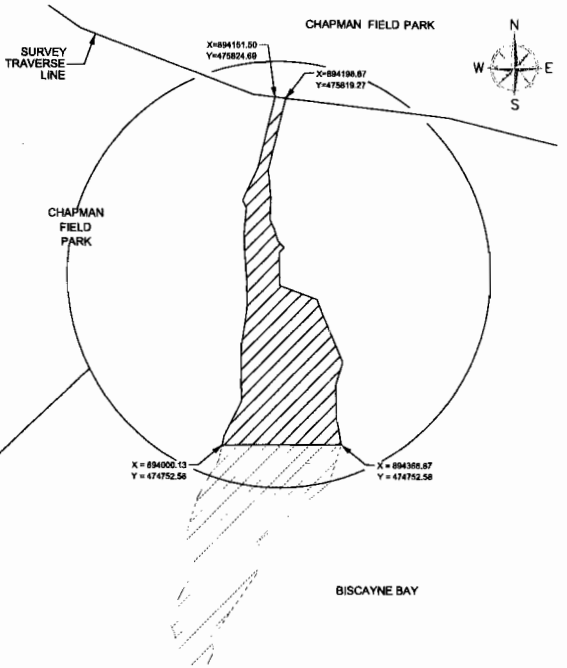
FDEP. Last Update: 06/09/2008. *Rules of the Department of Environmental Protection, Listed in Numeric Order.* URL: http://www.dep.state.fl.us/legal/Rules/rulelistnum.htm

Municipal Code Corporation. 2007. *Code of Miami-Dade County, Florida. Codified through Ord. No. 07-180, enacted December 18, 2007. (Supplement No. 56)* URL: http://www.municode.com/resources/gateway.asp?pid=10620&sid=9

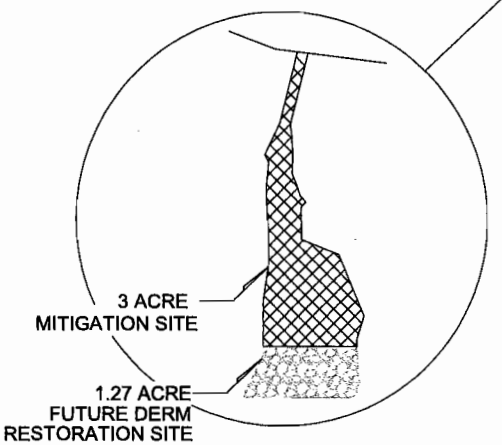
ATTACHMENTS



VICINITY MAP
SCALE: 1"=1500'



LOCATION MAP
N.T.S.



GENERAL NOTES

1. ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
2. 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.
3. EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS.
4. BOUNDARY AND TOPOGRAPHIC DATA TAKEN FROM SURVEY PREPARED BY SCHWERKE-SHISKIN AND ASSOCIATES, INC., MIRAMAR, FLORIDA DATED MARCH 31, 2003.
5. INSTALL SILT FENCE AT THE LIMITS OF WORK AS PER FDOT DESIGN STANDARD INDEX NO. 103.

LEGEND

- PHASE I DERM RESTORATION SITE (CURRENTLY UNDER CONSTRUCTION)
- PHASE II DERM RESTORATION SITE
- 3 ACRE MITIGATION SITE
- 1.27 ACRE, FUTURE DERM RESTORATION SITE

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

DRAWN BY:	K.C.K.			
CHECKED BY:	O.A.			
APPROVED BY:	R.A.M.			
DATE:	11-06-08			
PROJECT NO.:	0402	NO.	DATE	REVISION

Nova Consulting, Inc.
10486 NW 31st Terrace, Miami, Florida, 33172
Florida Certification No. 7256

CHAPMAN FIELD PARK
MITIGATION PLAN

FOR THE FIRM
RICARDO A. MARTINEZ, P.E.
FE 56400

SITE LOCATION MAP

SHEET NO.
01
SHEET 01 of 04

36

C:\0402\Dwg\0402 SITE PLAN.dwg Nov 06, 2008 3:32pm, AS ATTACHED BY Andrew

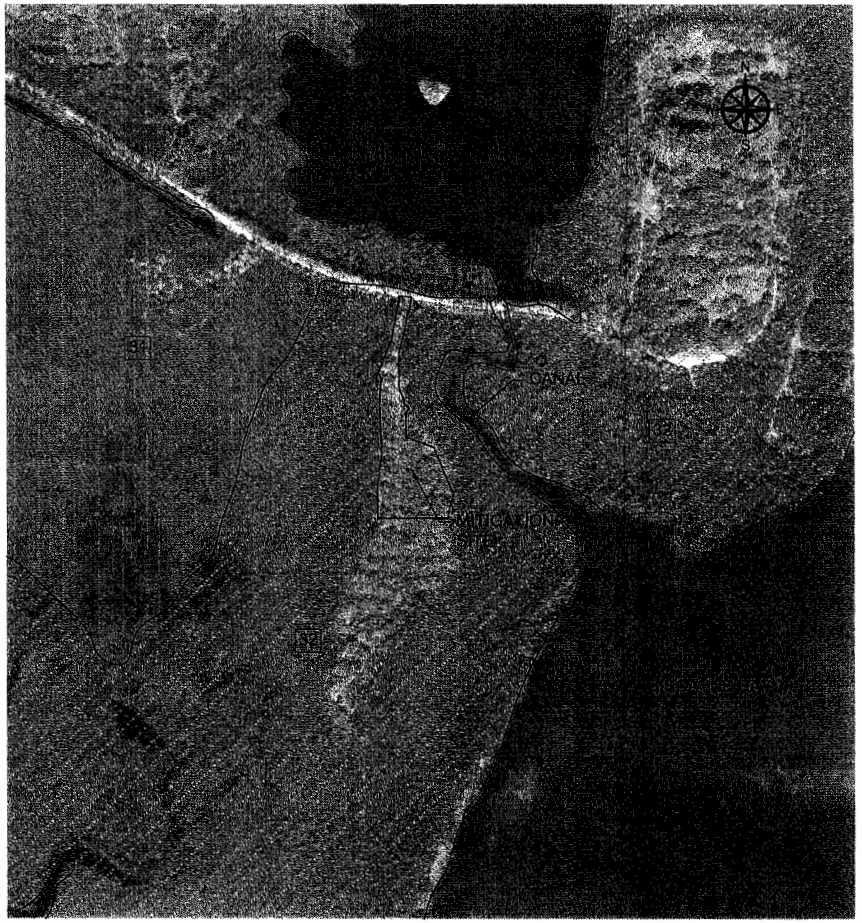
VEGETATION AND HYDROLOGICAL FEATURES
SCALE: 1"=300'

LEGEND

ADJACENT SALTWATER AND BRACKISH WATER AREAS

FLUCCS CODES:

612 MANGROVE SWAMPS
422 BRAZILIAN PEPPER
743 SPOIL AREAS



SOIL MAP
SCALE: 1"=500'

LEGEND

SOIL CODES:

31 PENNISCO MARL, TIDAL

32 TERA CELA MUCK, TIDAL

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DRAWN BY:	K.C.K.			
CHECKED BY:	O.A.			
APPROVED BY:	R.A.M.			
DATE:	11-05-08			
PROJECT NO.:	6402	NO.	DATE	REVISION

Nova Consulting, Inc.
10486 NW 31st Terrace, Miami, Florida, 33172
Florida Certification No. 7256

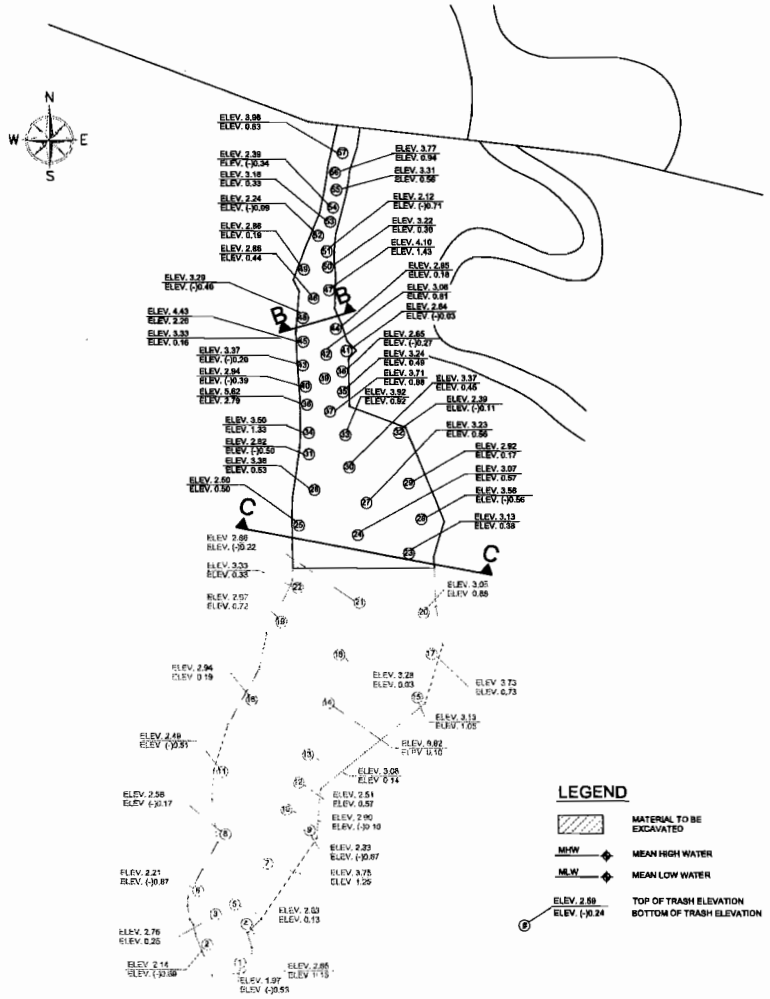
CHAPMAN FIELD PARK
MITIGATION PLAN

FOR THE FIRM
RICARDO A. MARTINEZ, P.E.
FE-66634

VEGETATION , HYDROLOGICAL FEATURES AND SOIL MAP

SHEET NO.
02
SHEET 03 of 04

28

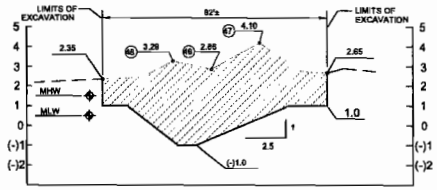


MITIGATION SITE - PLAN

SCALE: 1"=250'

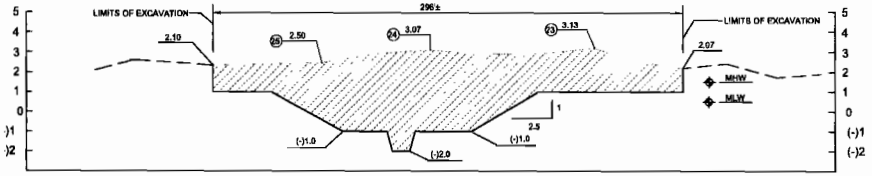
LEGEND

- MATERIAL TO BE EXCAVATED
- MHW — MEAN HIGH WATER
- MLW — MEAN LOW WATER
- ELEV. 2.59 / ELEV. (-)0.24 (B) — TOP OF TRASH ELEVATION / BOTTOM OF TRASH ELEVATION



EXCAVATION SECTION B-B

N.T.S.



EXCAVATION SECTION C-C

N.T.S.

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DRAWN BY:	K.C.K.			
CHECKED BY:	O.A.			
APPROVED BY:	R.A.M.			
DATE:	11-05-08			
PROJECT NO.:	0402	NO.	DATE	REVISION

Nova Consulting, Inc.
10486 NW 31st Terrace, Miami, Florida, 33172
Florida Certification No. 7256

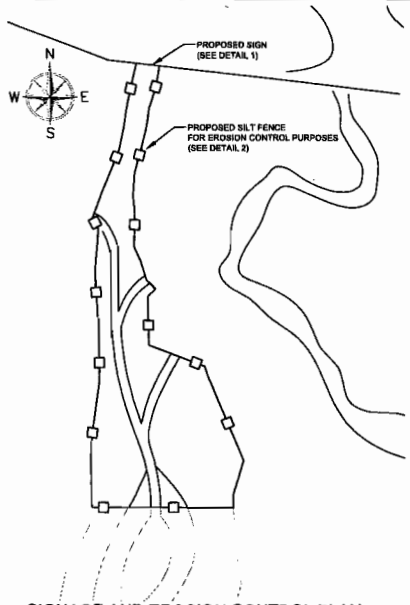
CHAPMAN FIELD PARK
MITIGATION PLAN

FOR THE FIRM
RICARDO A. MARTINEZ, P.E.
FE 59424

EXISTING CONDITIONS AND
PROPOSED EXCAVATION DETAIL

SHEET NO.
03
SHEET 02 of 04

38

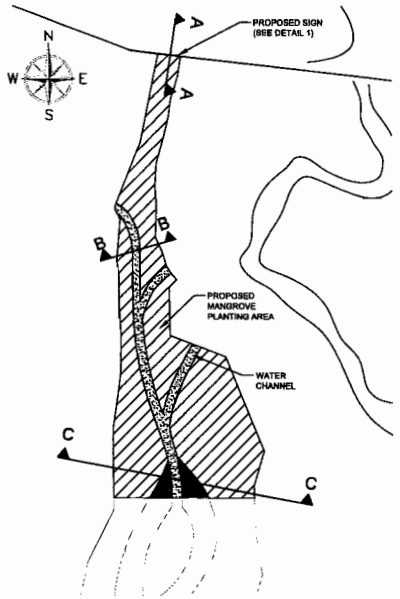


SIGNAGE AND EROSION CONTROL PLAN

SCALE: 1"=250'

LEGEND

PROPOSED SILT FENCE



MITIGATION SITE - PLANTING PLAN

SCALE: 1"=250'

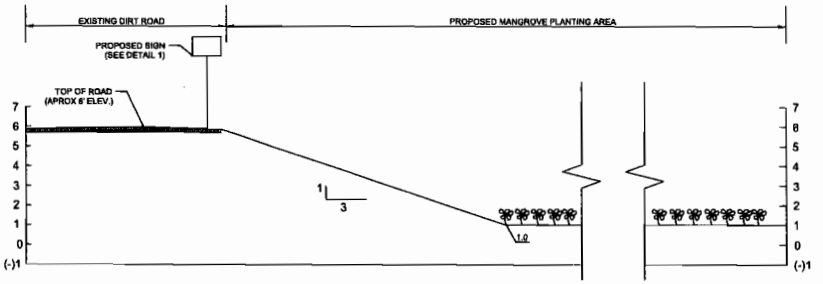
LEGEND

PROPOSED MANGROVE PLANTING AREA

PROPOSED CANAL EXCAVATION

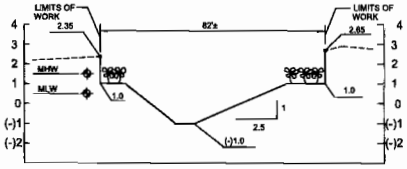
PROPOSED CANAL SLOPE

PROPOSED RED MANGROVE SEEDLINGS
(RHIZOPHORA MANGLE)



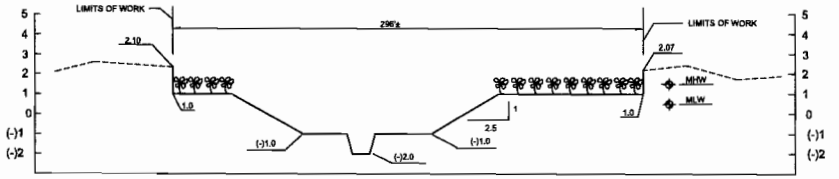
PLANTING AREA SECTION A-A

N.T.S.



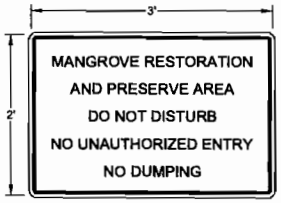
PLANTING AREA SECTION B-B

N.T.S.



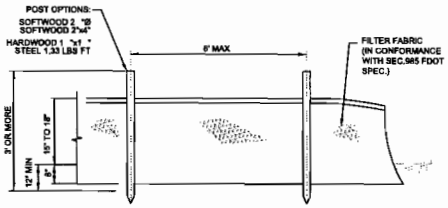
PLANTING AREA SECTION C-C

N.T.S.



DETAIL 1

N.T.S.



DETAIL 2

N.T.S.

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CHECKED BY:	O.A.			
APPROVED BY:	R.A.M.			
DATE:	11-05-08			
PROJECT NO.:	0402	NO.	DATE	REVISION

Nova Consulting, Inc.
10486 NW 31st Terrace, Miami, Florida, 33172
Florida Certification No. 7256

CHAPMAN FIELD PARK
MITIGATION PLAN

FOR THE FIRM
RICARDO A. MARTINEZ, P.E.
PE-69491

PLANTING AREAS,
SIGNAGE AND EROSION CONTROL

SHEET NO.
04
SHEET 04 of 04

39

...\0402\04-27\07-dwg Nov 26, 2008 09:48am AM Autodesk

Attachment F

Soil Management Plan

SOIL MANAGEMENT PLAN
(REVISED)

FOR

CHAPMAN FIELD PARK
13600 Old Cutler Road
Miami-Dade County, Florida
Folio Number 03-5024-001-0030

Prepared for

MIAMI-DADE COUNTY PARKS AND RECREATION DEPARTMENT
275 NW 2ND Street
Miami, Florida 33128

Prepared by

NOVA CONSULTING, INC.
10486 N.W. 31st Terrace
Miami, Florida 33172

Project No. 6402

November 2008

TABLE OF CONTENTS

Section **Page**

1 INTRODUCTION 1

1.1 PARKING LOT 1
1.2 CANOE LAUNCH AREA 2
1.3 BRIDGE AND ACCESS CANAL 3

2 REFERENCES 4

ATTACHMENT

Soil Disposal Route and associated calculations

List of Acronyms

DERM	Department of Environmental Resources Management
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
MDPR	Miami-Dade County Parks and Recreation Department
NOVA	Nova Consulting, Inc.
SOP	Standard Operating Procedure

SOIL MANAGEMENT PLAN (REVISED)

CHAPMAN FIELD PARK
13600 OLD CUTLER ROAD
MIAMI-DADE COUNTY, FLORIDA

1 Introduction

Nova Consulting, Inc. (NOVA) has been contracted by the Miami-Dade Parks and Recreation Department (MDPR), to prepare a Soil Management Plan for Chapman Field Park (Folio Number 03-5024-001-0030) located at 13600 Old Cutler Road, Miami-Dade County, Florida.

An area identified as Area B, located just north of one of the proposed construction areas (parking lot) for the MDPR project, was identified as containing construction debris and household waste, including but not limited to, glass bottles, scrap metal, beer cans, tires, plastic and pieces of wood. The household waste was mainly located along the central west portion of Area B. Construction debris was identified throughout the entire area of Area B.

1.1 Parking Lot

De-mucked material from the boundary areas of the proposed parking lot is estimated to be approximately 1,330 cubic yards. The existing fill pad in the proposed parking area would be used to place large equipment involved in the excavation and filling activities. The soil will be transported using dump trucks from the proposed parking area to a temporary soil staging area just north of the site, at Area B (see Attachment).

Prior to any excavation and demucking activities at the site, analytical testing shall be performed in accordance with DERM (and Chapter 62-713 of the Florida Administrative Code) requirements. A Soil Sampling Plan will be submitted to DERM under separate cover, which will detail the number of samples, approximate sampling locations, etc. After receipt of the results of the soil sampling, demucking activities will proceed, in accordance with DERM requirements and approval.

Demucked material will be placed on a double-layer of visqueen, each of at least 4-millimeter thickness. A small berm will also be placed around the excavated material to contain the material and to prevent run off into other areas. The stockpiled material would also be covered with visqueen to limit any transference of materials to different areas of the project site. Silt fencing will be placed around the temporary staging area to prevent any stormwater runoff from entering adjacent wetland areas.

If landfill material is encountered during the site excavation activities, the DERM Pollution Remediation Section shall be contacted (within twenty-four hours). Excavated material containing landfill waste shall be segregated from any clean fill and/or clean excavated material and stockpiled separately. The stockpiled material shall be staged temporarily by placing it on and by covering it with a double layer of visqueen of at least 4-millimeter thickness. A berm will also be placed around it to prevent cross contamination to other areas of the site.

All field activities will be conducted in accordance with F.A.C. Chapter 62-160 and/or the current/revised FDEP Standard Operating Procedures (SOP), released June 8, 2004. Soil which does not meet the appropriate criteria will be disposed of within a landfill in accordance with the requirements of Chapter 24 of the Miami-Dade County Code and Chapter 62 of the Florida Administrative Code (F.A.C.). Soil which is not considered contaminated will be removed from the temporary staging area within Area B, to a permanent disposal location determined by MDPR and agreed to by DERM. A soil removal report, including copies of all disposal manifests shall be supplied to DERM for review.

The soil staging area is currently overgrown by exotic vegetation, as noted during a wetland delineation conducted in 2003, and a site visit conducted with DERM on August 11, 2008. A portion of Area B will be cleared and grubbed by the contractor to allow truck access and to create an open area for temporary stockpiling of the soil material. The proposed soil staging area will be cleared of all exotic vegetation using heavy machinery. Any remaining tree stumps will be removed and the existing soil surface will be leveled to prevent run-off or pooling of water in certain areas.

The stockpile area will be made free of any sharp materials and debris that could puncture the polyethylene film/visqueen that will be used as the stockpile base. The area selected for stockpiling will also be free of water ponding. Rainwater will be directed outside of the berm area.

The area will be staked prior to any clearing activities, as per DERM request, to ensure that the contractor has a clear understanding of the area to be cleared and to make certain that no wetland plants are impacted. The area shall also be inspected by a wetland biologist, under authorization from MDPR, to ensure that no wetland species will be impacted during the clearing and grubbing stages. Removal of any trees within Area B shall also be completed by the contractor, in accordance with Miami-Dade County Chapter 24-49 guidelines.

Erosion control measures shall be taken prior to and during construction and permanent control measures shall be completed within 7 days of any construction activity for environmental protection. Erosion control measures shall be installed and maintained at all locations along the work area adjacent to off-site wetlands in order to protect surrounding wetlands from all construction activities. Erosion control measures shall remain in place in all locations until construction is completed and soils are stabilized and vegetation has been established.

1.2 Canoe Launch Area

Adjacent to the parking lot, a canoe launching area with a launching platform with ramp and floating dock is proposed. Approximately 200 cubic yards of barren tidal bottom is also proposed to be dredged to accommodate the floating dock platform. The first portion of the ramp will be concrete construction with concrete piling supports. The pilings shall be installed with a landside crane.

The canal area was not historically used for landfilling purposes and therefore the dredge material is anticipated to be uncontaminated. However, appropriate precautions will be taken. Prior to any onsite dredging activities, the sediment within the proposed canal dredge area will be sampled. All field activities will be conducted in accordance with F.A.C. Chapter 62-160 and/or the current/revised FDEP Standard Operating Procedures (SOP), released June 8, 2004.

Subsequent to the receipt of the analytical results and approval by DERM, dredging activities will be initiated. The dredged material is proposed to be excavated via landside crane and placed into awaiting trucks. The trucks will then transport the material to the temporary soil staging area in Area B (see Attachment).

Due to the watery nature of the dredge material, the material will be bermed to prevent transference to other areas of the Park. Material placed within a berm will first be placed on and covered with a double layer of (a minimum of) 4-inch thick visqueen to prevent cross contamination from the former landfill. Also, excavated/dredge material from each of the three construction locations (parking lot, launching pier, bridge) will be staged in separate areas along Area B to prevent any potential cross-contamination. After the dredge material has dried out sufficiently, it shall be transferred to a location determined by MDPR and approved of by DERM. Erosion control measures shall be used along the canal to reduce the impact to the water quality in the waterway. Erosion control measures will also be installed along the landside areas of the construction zone. All erosion control measures shall be installed 7 days prior to construction and shall remain in place until after construction is completed.

1.3 Bridge and Access Canal

To the east of the canoe launching dock, an access canal with a bridge is proposed to join the canoe launching area canal (west canal) with the remainder of the park waters and Biscayne Bay.

The canal will be excavated by land. All embankments for the bridge are proposed to be constructed first, up to the level of the top of the base course. After the embankments are in place, construction of the bridge and canoe launch ramp would then commence. Precast concrete, piling, slabs and beams would be trucked in over the new embankment. Pile driving equipment and construction cranes would also access the site in the same manner. All piling and precast elements are proposed to be installed by equipment stationed on the embankment. Rip-rap and sand-bagging will be used to stabilize the area.

Excavation to create the access-way beneath the bridge would be performed after retaining seawalls have been installed and prior to the erection of the precast arches that will comprise the bridge. The canal area will be dredged to improve navigability along the channel. Approximately 667 cubic yards of material is proposed to be removed.

Prior to excavation activities at the proposed bridge area, analytical testing will be performed along the canal area. Sediment samples will be collected within the canal. All field activities will be conducted in accordance with F.A.C. Chapter 62-160 and/or the current/revised FDEP Standard Operating Procedures (SOP), released June 8, 2004. A Soil Sampling Plan will be submitted to DERM, under separate cover, for approval of the proposed sampling locations, number of samples, etc.

Subsequent to the receipt of the analytical results, and approval by DERM, the dredging of the proposed bridge area will be initiated. The dredge material would be placed in lined trucks and transported to the temporary soil staging area in Area B. Due to single-lane access to the

bridge area, trucks will be required to individually reverse along the road to the loading zone. This will eliminate any issue with a limited turning radius near adjacent wetland areas.

Soil material generated during construction activities shall be stockpiled at a temporary staging location, Area B, until excavation activities have been completed. The material shall be bermed to prevent transference to other areas of the Park. Material placed within a berm shall first be placed on and covered with a double layer of visqueen to prevent cross contamination from the former landfill. Material dredged from the canal area will be stockpiled separately from material excavated/dredged from other areas to prevent any potential cross-contamination.

After the dredge material has dried out sufficiently, it shall be transferred to a final disposal location determined by MDPR and approved of by DERM.

Any potentially contaminated soil encountered at any of the proposed construction areas will be segregated from the clean material and then transported to a Class I landfill in accordance with the requirements of Chapter 24 of the Miami-Dade County Code and Chapter 62 of the Florida Administrative Code (F.A.C.). Copies of all disposal manifests shall be supplied to DERM for review.

Turbidity barriers and silt fences shall be installed and maintained at all locations along the project perimeter adjacent to off-site wetlands and on-site preservation areas in order to protect surrounding wetlands from all construction activities. Turbidity barriers and silt fences shall remain in place in all locations until construction is completed and soils are stabilized.

2 References

ATC Group Services, Inc. April 15, 2003. *Site Assessment Report – Chapman Field Park.*

Florida Department of Environmental Protection (FDEP). February 1, 2004. *Department of Environmental Protection Standard Operating Procedures for Field Activities - DEP-SOP-001/01.* FDEP Bureau of Laboratories, Environmental Assessment Section. Tallahassee, FL.

FDEP. Last Update: 06/09/2008. *Rules of the Department of Environmental Protection, Listed in Numeric Order.* URL: http://www.dep.state.fl.us/legal/Rules/rulelistnum.htm

Miami-Dade County DERM. March 22, 2004. *SWP Guidance No.1 – Soil Reuse Guidance for Miami-Dade County.* URL: http://www.miamidade.gov/derm/library/land/rbca_soil_reuse.pdf

Municipal Code Corporation. 2007. *Code of Miami-Dade County, Florida. Codified through Ord. No. 07-180, enacted December 18, 2007. (Supplement No. 56)* URL: http://www.municode.com/resources/gateway.asp?pid=10620&sid=9

ATTACHMENT

LEGEND

- DIRECTIONS OF TRUCKS FROM DREDGE / EXCAVATION LOCATIONS
- FLOW OF TRUCKS INTO / OUT OF SITE AT START / END OF DAY
- CHAIN LINK FENCE
- SILT FENCE
- 25' BUFFER AREA
- EXISTING TREE TO BE REMOVED AND LEGALLY DISCARDED OFFSITE
- EXISTING TREE/PALM TO BE RELOCATED
- WELL/MW

GENERAL NOTES

1. EXISTING SEAGRAPE TREE 503 TO BE REMOVED AND LEGALLY DISCARDED OFFSITE. EXISTING TREES [illegible], 501, 502, 504 and 505 TO BE RELOCATED TO THE FRONT OF THE SITE (ENTRY AREA) AS SHOWN ON ATTACHED RELOCATION SKETCH (SM-3).
2. AFTER REMOVAL AND RELOCATION (NOTE 1 ABOVE) HAS BEEN PROVIDED, THE ENTIRE SOILS STAGING AREA WILL BE CLEARED OF ALL OTHER VEGETATION NOT INDICATED IN THE SURVEY USING HEAVY MACHINERY AND ANY REMAINING TREE STUMPS WILL BE REMOVED AND LEGALLY DISCARDED OFFSITE. THE EXISTING SOIL SURFACE WILL BE LEVELED TO PREVENT RUN-OFF OR POOLING OF WATER IN CERTAIN AREAS.
3. THE STOCKPILE AREA SHALL BE FREE OF ANY SHARP MATERIALS AND DEBRIS THAT COULD PUNCTURE THE POLYETHYLENE FILM/VISQUEEN THAT IS USED AS THE STOCKPILE BASE. THE AREA SELECTED FOR STOCKPILING SHALL BE FREE OF WATER PONDING. RAINWATER SHALL BE DIRECTED OUTSIDE OF THE BERM AREA.
4. STOCKPILE SHOULD NOT EXCEED 12-FEET IN HEIGHT. THE STOCKPILED SOIL SHALL ALSO BE COVERED WITH POLYETHYLENE/VISQUEEN SHEETING WHILE ONSITE.
5. SOILS COLLECTED FROM DIFFERENT CONSTRUCTION ZONES (E.G. BRIDGE VS. PARKING LOT) TO BE SEGREGATED FROM EACH OTHER TO PREVENT POTENTIAL CROSS-CONTAMINATION.
6. STOCKPILED SOIL SHALL BE PLACED ATOP A DOUBLE-LAYER OF 4-MILLIMETER POLYETHYLENE/VISQUEEN SHEETING.
7. THE BERM SHOULD BE A MINIMUM OF 12 INCHES IN HEIGHT AND COMPLETELY SURROUND THE STOCKPILED MATERIAL.

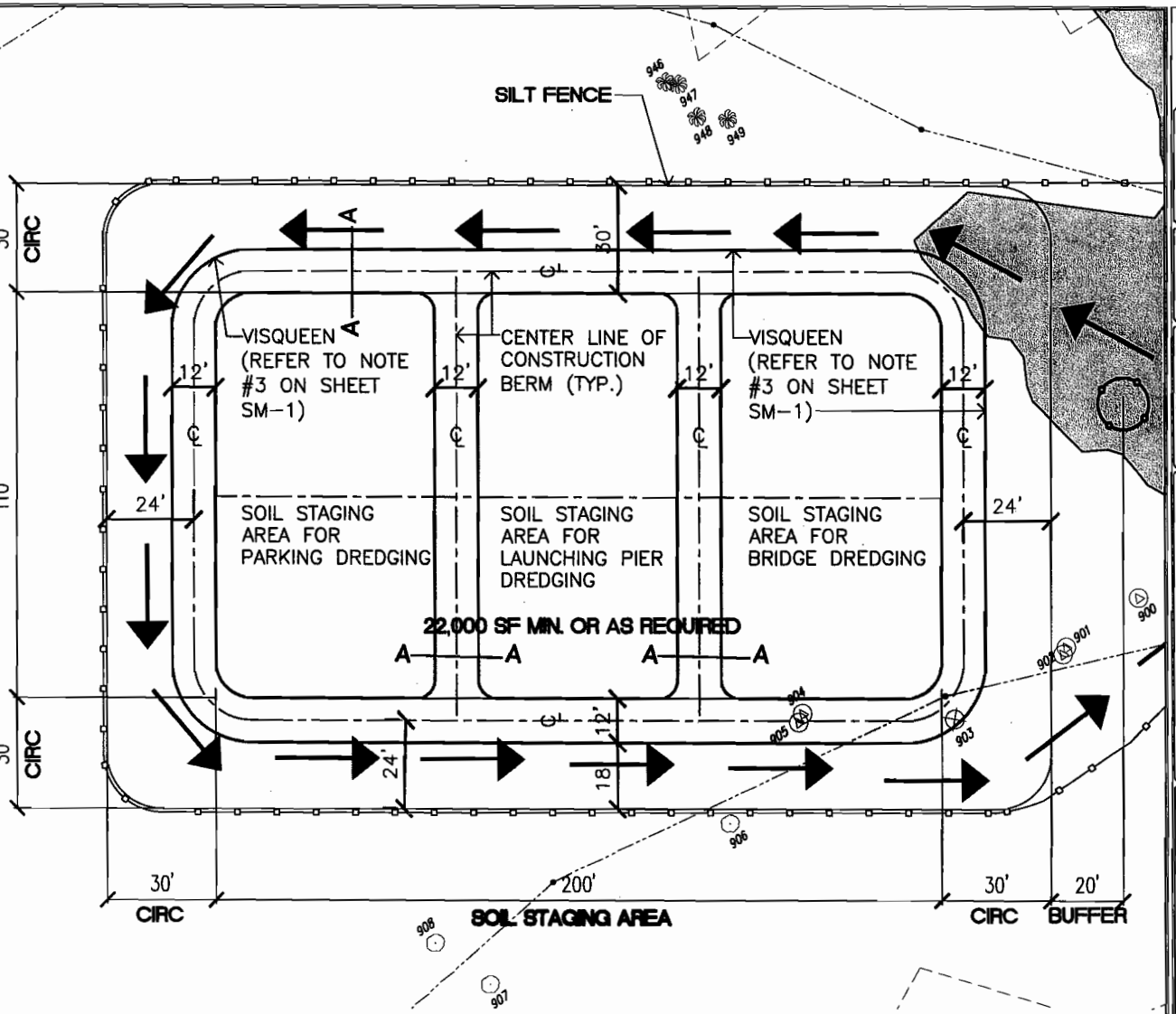
Designed by: MR

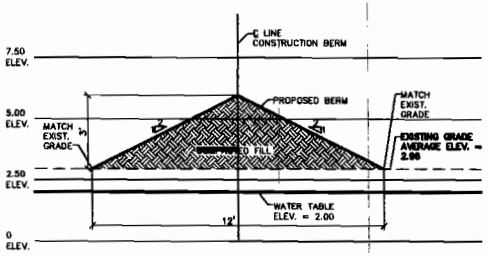
Revisions: 9-25-08

Miami-Dade County Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Project Title: **Chapman Field Park**
Phase III-100% CD :Phase I Development
13601 OLD CUTLER ROAD, MIAMI FL, 33158
SOIL MANAGEMENT

Contract Number: 511961-04-001
Date: 11/17/08
SM-1 of 3





SECTION 'A-A'
SOIL STAGING AREA BERM
SCALE: 1"=5'

1 **SOIL STAGING AREA AND BERM**
SCALE: 1"=30'

OLIVERIO SANCHEZ
REGISTERED ENGINEER No. 44771
STATE OF FLORIDA

CRS
CONSULTING ENGINEERS
3161 S.W. 70th TERRACE, SUITE 101
MIAMI, FLORIDA 33155
TEL: 305.661.3567 FAX: 305.662.4828
WWW.CRS-CORP.COM

Nova Consulting, Inc.
10480 NW 31st Terrace, Miami, Florida, 33172
Florida Registration No. 6455
Benjamin A. Medina, P.E. - PROJECT ENGINEER

Nova Consulting, Inc.
10480 NW 31st Terrace, Miami, Florida, 33172
Florida Certification No. 7254
Nova Complex - ENVIRONMENTAL CONSULTANT

Miami-Dade County
Park and Recreation Department
275 N.W. 2ND STREET, 4TH FLOOR, MIAMI, FLORIDA 33128

Project Title:
Chapman Field Park
Phase III-100% CD ;Phase I Development
13901 OLD CUTLER ROAD, MIAMI FL. 33158
SOIL MANAGEMENT

Contract Number
S11901-04-001
Date:
11/17/08
SM-2 of 3
Dwg.

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Attachment G

DERM Project Report

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

1. **Potential Adverse Environmental Impact** – The proposed project shall impact twenty-six thousand one hundred fifty-one (26,151) square feet of halophytic (salt tolerant) wetlands to enhance Chapman Field Park (Park) for passive public use through the creation and maintenance of a nature based recreational area. However, the Department of Environmental Resources Management (DERM) believes that the potential for adverse environmental impacts has been minimized. To further minimize the potential for impacts to the surrounding wetlands, the Class I permit shall include specific conditions for the use and maintenance of turbidity curtains and silt screens. To mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of halophytic wetland habitat, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

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

3. **Hydrology** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater. The proposed project is designed in accordance with DERM and the South Florida Water Management District (SFWMD) criteria and design standards. Specifically, the proposed pedestrian/bicycle path and parking lot have been designed to drain stormwater into associated shoulder/swale areas. In addition, the replacement of an existing culvert will reestablish a hydrological connection and increase flushing between the wetlands east and west of the upland parking facility.

4. **Water Quality** – The proposed project may affect surface water quality on a temporary basis during dredging and filling activities. The Class I permit shall require that standard erosion and turbidity control methods be implemented during all phases of construction. The spoil material generated during construction activities shall be temporarily stored at an on-site upland area in accordance with the DERM approved Soil Management Plan (Attachment F). The dredge spoil materials shall be placed on polyethylene sheeting and separated by clean compacted fill berm mounds that are between one (1) and three (3) feet in height. The spoil material from each of the construction locations (parking lot, launching pier, and bridge) will be staged in separate areas to prevent potential cross-contamination, then dried, and disposed of in accordance with federal, state, and local agency regulations.

   The potential for post-construction erosion into the existing wetlands and waterways as a result of the project has been addressed through the construction of a retaining wall and creation of swale areas within the parking lot and the proposed swale areas adjacent to the pedestrian/bicycle path. In addition, the project also incorporates stabilization of wetland shorelines using riprap bags and native plant landscaping.

5. **Wellfields** – Not applicable.

6. **Water Supply** – Not applicable.

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

8. **Aesthetics** – The project is designed to be aesthetically compatible with the surrounding area. The purpose of the proposed project is to enhance the Park for passive public use through the creation and maintenance of a nature-based recreational area. The applicant has modified the aspects of the project, including the extent of the road improvements and the dimensions of the launching pier and parking lot as necessary to minimize environmental impacts and preserve the surrounding halophytic wetlands while meeting federal, state, and local agency requirements. Specifically, the applicant will meet the requirements of the American Disabilities Act (ADA), the Florida Building Code, and the City of Coral Gables Fire Department (CGFD).

9. **Navigation** – The proposed project is designed to enhance navigation within the Park. The proposed project will improve navigation through the excavation of a portion of the existing fill road to create an access channel that connects the east and west navigable channels, and through the trimming and removal of mangroves encroaching into the center of said navigable channels.

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

11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values. The proposed project is intended to promote and enhance the passive public use of the existing Park through the maintenance of natural areas.

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

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

14. **Marine and Wildlife Habitats** – The proposed project will result in impacts to twenty-six thousand one hundred fifty-one (26,151) square feet of marine and wetland habitat. The marine soils in the area of the proposed excavation may support limited numbers of marine infauna (i.e. benthic fauna living within the substrate). However, impacts to the marine habitat shall be minimal because the soils do not support any significant marine resources. The project site is not located within an area identified as essential manatee habitat for *Trichechus manatus* (West Indian Manatee) as per the Miami-Dade County Manatee Protection Plan and although the Park has the potential to be utilized by *Crocodylus acutus* (American Crocodiles) and *Mycteria americana* (Wood Storks), DERM has determined that impacts to the existing halophytic wetland habitats have been minimized. In addition, to mitigate for impacts the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

15. **Wetland Soils Suitable for Habitat** – The proposed project will result in the permanent removal of natural wetland soils suitable for habitat. However, these impacts have been minimized and to mitigate for unavoidable environmental impacts associated with the proposed project the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E). The proposed mitigation shall result in an increase of wetland soils that are suitable for native plant species and will provide additional wetland habitat.

16. **Floral Values** – The proposed project will result in impacts to twenty-six thousand one hundred fifty-one (26,151) square feet of halophytic wetlands, mainly consisting of mangroves and green buttonwoods. The potential for secondary impacts to surrounding wetland areas shall be minimized through the use of the silt fences and similar erosion control devices utilized during construction operations. The applicant has minimized impacts to the existing halophytic wetlands by incorporating shoreline stabilization, swale areas, and the installation of a retaining wall into the proposed project to prevent the erosion of wetland soils. In addition, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

17. **Fauna Values** - The proposed project will cause a temporary disturbance to native fauna as a result of the project and related construction activities. However, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance the DERM approved mitigation plan (Attachment E). The restored habitat is expected to increase utilization of the area by native fauna.

18. **Rare, Threatened and Endangered Species** – The proposed project is not reasonably expected to adversely affect any rare, threatened or endangered species. The Park has the potential to be utilized by *Crocodylus acutus* (American Crocodiles) and *Mycteria americana* (Wood Storks). However, DERM has determined that impacts to the existing halophytic wetlands have been minimized. In addition, the project site is not located within an area identified as essential manatee habitat for *Trichechus manatus* (West Indian Manatee) as per the Miami-Dade County Manatee Protection Plan, and the proposed project shall facilitate the use of non-motorized vessels only.

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

20. **Wetland Values** – The proposed project shall result in impacts to twenty-six thousand one hundred fifty-one (26,151) square feet of existing halophytic wetlands. However, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E). The proposed mitigation shall result in a net increase of wetland values within the Park.

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

22. **Recreation** - The proposed project is consistent with the recreation element of the Miami-Dade County Comprehensive Development Master Plan and the Biscayne Bay Management Plan recreation elements.

23. **Other Environmental Values Affecting the Public Interest** - The proposed project is not reasonably expected to adversely affect other environmental values affecting the public interest. The proposed project will occur on lands owned entirely by the applicant.

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

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

25. **Comprehensive Environmental Impact Statement (CEIS)** – In the opinion of the Director, the proposed mitigation plan will compensate for the loss of wetland values associated with the proposed project. As such, a CEIS was not required by DERM to evaluate the proposed project.

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

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

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

LAND USE ELEMENT I:

Objective 2/Policy 2A - Level of Service. The proposed project is in a category consistent with projects generally approved by relevant Miami-Dade County Departments in accordance with the Miami-Dade County Concurrency Ordinance.

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

TRANSPORTATION ELEMENT II

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

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

CONSERVATION, AQUIFER RECHARGES AND DRAINAGE ELEMENT IV:

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

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

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

Objective 5/Policies 5A, 5B, 5F - Flood protection and cut and fill criteria. – The proposed project does not compromise flood protection, and is consistent with all relevant criteria related to cut and fill activities.

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

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

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

Objective 7/Policy 7A - No net loss of high quality, relatively unstressed wetlands. – The proposed project will impact twenty-six thousand one hundred fifty-one (26,151) square feet of high quality halophytic wetlands within close proximity to an existing fill road and upland fill pad. The mangroves to be impacted are part of a Coastal Band Community (CBC) within the Chapman Field Park Mangrove Protection Area (MPA) as designated in the Miami-Dade County CDMP. However, the proposed project is water dependant and due to the proximity of said wetlands to the fill road and fill pad, they do not provide the same high quality habitat values as other wetland areas within the Park that do not border developed areas. In addition, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

Objective 9/Policies 9A, 9B, 9C – Protection of habitat critical to Federal or State-designated endangered, threatened, or rare species - The proposed project is not reasonably expected to adversely affect habitat critical to any endangered, rare, or threatened species. The Park has the potential to be utilized by *Crocodylus acutus* (American crocodiles) and *Mycteria Americana* (wood storks). However, DERM has determined that impacts to the existing halophytic wetland habitat have been minimized. In addition, the project site is not located within an area identified as essential manatee habitat for the *Trichechus manatus* (West Indian Manatee) as per the Miami-Dade County Manatee Protection Plan, and the proposed project shall facilitate the use of non-motorized vessels only. Furthermore, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, that will increase the costal wetland habitat utilized by native fauna in accordance with the DERM approved mitigation plan (Attachment E).

COASTAL MANAGEMENT ELEMENT VII:

Objective 1/Policy 1A - Tidally connected mangroves in mangrove protection areas. – The project site is located within the Chapman Field Park MPA as designated in the Miami-Dade County CDMP. However, the proposed project is water dependant and the associated environmental impacts have been minimized. To mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

Objective 1/ Policy 1B - Natural surface flow into and through coastal wetlands. – The proposed project will result in an increase to the natural surface flow into and through halophytic wetlands north and south of the existing fill road and in the area of the proposed parking lot. The replacement of an existing culvert, beneath the proposed parking lot, will reestablish a hydrological connection and increase flushing between the wetlands east and west of the proposed parking facility. In addition, the applicant is proposing to excavate an access channel to create a hydrological connection between existing navigable channels.

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

Objective 1/Policy 1D - Protection and maintenance of mangrove forests and related natural vegetational communities. - The proposed project will impact twenty-six thousand one hundred fifty-one (26,151) square feet of halophytic wetlands within a CBC. The Class I permit shall require that construction fencing or similar visible barriers be installed to prevent incidental damage mangroves beyond the project area during construction operations. The applicant has minimized impacts to the mangrove forests and related natural vegetational communities by incorporating shoreline stabilization and the installation of a retaining wall that shall prevent the potential for erosion of wetland soils. In addition, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

Objective 1/Policy 1E - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – The proposed project will impact twenty-six thousand one hundred fifty-one (26,151) square feet of halophytic wetlands. However, these impacts have been minimized and to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E). Said mitigation plan includes a monitoring and maintenance schedule for the mitigation area.

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

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

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

Objective 4/Policy 4A, 4C, 4E, 4F – Protection of endangered or threatened animal species. - The proposed work is not reasonably expected to adversely affect endangered or threatened species. The Park has the potential to be utilized by *Crocodylus acutus* (American crocodiles) and *Mycteria Americana* (wood storks). However, DERM has determined that impacts to the existing halophytic wetland habitat have been minimized. In addition, the project site is not located within an area identified as essential manatee habitat for the *Trichechus manatus* (West Indian Manatee) as per the Miami-Dade County Manatee Protection Plan, and the proposed project shall facilitate the use of non-motorized vessels only.

Objective 5/Policy 5B - Existing and new areas for water-dependent uses. - The proposed project involves the creation of a public canoe launching facility, the excavation of an access channel to connect existing navigable channels, and the trimming/alteration of mangroves to facilitate non-motorized vessel access through said existing navigable channels for the enhancement of water dependant uses within the Park.

Objective 5/Policy 5D - Consistency with Chapter 33D, Miami-Dade County Code (shoreline access, environmental compatibility of shoreline development) - The proposed project shall be reviewed by the Shoreline Development Review Committee (SDRC) Board. However, the Miami-Dade Planning and Zoning Department has provided written correspondence indicating they shall support a "no need to comply" determination for the proposed project.

Objective 5/Policy 5F - The siting of water dependent facilities. - The proposed project involves the creation of a public canoe launching facility, the excavation of an access channel to connect existing navigable channels, and the trimming/alteration of mangroves to facilitate non-motorized vessel access through said existing navigable channels to enhance the water dependant uses within the Park. The applicant is also proposing a paved parking lot in conjunction with the launching facility. Although the proposed project is located within the Chapman Field Park MPA as designated in the Miami-Dade County CDMP, impacts to existing wetlands have been minimized. To mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

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

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

30. **Conformance with the Miami-Dade County Manatee Protection Plan** - The proposed project area is not located within essential habitat for the West Indian Manatee. In addition, the proposed project shall facilitate the use of non-motorized vessels only.

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

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

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

34. **Maximum Protection of a Wetland's Hydrological and Biological Functions** – The proposed project will result in impacts to twenty-six thousand one hundred fifty-one (26,151) square feet of halophytic wetlands. However these impacts have been minimized through the utilization of existing upland areas whenever possible and the installation of a retaining wall along sections of the proposed parking lot to minimize impacts to the surrounding wetlands. In addition, the applicant intends to preserve the area's overall wetland hydrological and biological functions through the creation and maintenance of a nature based recreational area. Furthermore, to mitigate for unavoidable environmental impacts associated with the proposed project, the applicant will restore three (3) acres of high quality halophytic wetlands, within the Park, in accordance with the DERM approved mitigation plan (Attachment E).

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

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

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

24-48.3 (2) Dredging and Filling for Class I Permit - The proposed project involves the dredging and filling of halophytic wetlands to enhance the Park for passive public use through the creation and maintenance of a nature based recreational area. The project complies with the following criteria listed in Section 24-48.3(2) of the Code of Miami-Dade County:

- Minimum dredging and spoiling for public navigation or public necessity.

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

24-48.3 (4) Clean Fill in Wetlands – The proposed project involves the filling of halophytic wetlands to enhance the Park for passive public use through the creation and maintenance of a nature based recreational area. All fill placed in wetlands shall meet the definition of clean fill as defined in Section 24-5 of the Code of Miami-Dade County.

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

Lisa Spadafina, Manager
Coastal Resources Section

Lourdes Barrelli, Biologist II
Coastal Resources Section