



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE PERMIT NO. 13-05474-P-02
DATE ISSUED: January 6, 2017**

PERMITTEE: CITY OF DORAL
8401 N.W. 53RD TERRACE
DORAL, FL 33166

PROJECT DESCRIPTION: Construction and operation of a stormwater management system serving a 24.25-acre recreational development for a project known as Doral Glades Park.

PROJECT LOCATION: MIAMI-DADE COUNTY, SEC 8 TWP 53S RGE 40E

PERMIT DURATION: See Special Condition No:1.

This is to notify you of the District's agency action for Permit Application No. 160718-5, dated July 18, 2016. This action is taken pursuant to the provisions of Chapter 373, Part IV, Florida Statutes (F.S).

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

1. Not receiving a filed request for a Chapter 120, Florida Statutes, administrative hearing.
2. the attached 18 General Conditions (See Pages : 2 - 4 of 6),
3. the attached 14 Special Conditions (See Pages : 5 - 6 of 6) and
4. the attached 3 Exhibit(s)

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

CERTIFICATE OF SERVICE

I HEREBY CERTIFY THAT this written notice has been mailed or electronically transmitted to the Permittee (and the persons listed in the attached distribution list) this 6th day of January, 2017, in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on the home page of the District's website (<http://my.sfwmd.gov/ePermitting>).

BY: _____
Ricardo A. Valera, P.E.
Bureau Chief - Environmental Resource
Regulation Division

GENERAL CONDITIONS

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, Florida Administrative Code (F.A.C.). Any deviations that are not so authorized shall subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the "State of Florida Erosion and Sediment Control Designer and Reviewer Manual" (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), and the "Florida Stormwater Erosion and Sedimentation Control Inspector's Manual" (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice" indicating the expected start and completion dates. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.
5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.
6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
 - a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex- "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit"[Form 62-330.310(3)]; or
 - b. For all other activities- "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].
 - c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.
7. If the final operation and maintenance entity is a third party:
 - a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Applicant's Handbook Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
 - b. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.
8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that

GENERAL CONDITIONS

require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
 - a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
 - b. Convey to the permittee or create in the permittee any interest in real property;
 - c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
 - d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.
10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.
11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.
12. The permittee shall notify the Agency in writing:
 - a. Immediately if any previously submitted information is discovered to be inaccurate; and
 - b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.
13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.
14. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S.
15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.
16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other

GENERAL CONDITIONS

uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.
18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on January 6, 2022.
2. Operation and maintenance of the stormwater management system shall be the responsibility of the permittee.
3. Lake side slopes shall be no steeper than 4:1 (horizontal:vertical) to a depth of two feet below the control elevation. Side slopes shall be nurtured or planted from 2 feet below to 1 foot above control elevation to insure vegetative growth, unless shown on the plans.
4. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.
5. Prior to initiating construction activities associated with this Environmental Resource Permit (ERP), the permittee is required to hold a pre-construction meeting with field representatives, consultants, contractors, District Environmental Resource Compliance (ERC) staff, and any other local government entities as necessary.

The purpose of the pre-construction meeting is to discuss construction methods, sequencing, best management practices, identify work areas, staking and roping of preserves where applicable, and to facilitate coordination and assistance amongst relevant parties.

To schedule a pre-construction meeting, please contact ERC staff from the West Palm Beach Office at (561) 686-8800 or via e-mail at: pre-con@sfwmd.gov. When sending a request for a pre-construction meeting, please include the application number, permit number, and contact name and phone number.

6. Minimum building floor elevation: BASIN: Park - 8.10 feet NGVD 29.
7. Minimum road crown elevation: Basin: Park - 7.10 feet NGVD 29.
8. A mitigation program for Doral Glades Park shall be implemented in accordance with Exhibit No. 3.1. The permittee shall enhance 0.1 acres of onsite wetlands.
9. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or other surface waters have occurred due to project related activities.
10. A monitoring program shall be implemented in accordance with Exhibit No. 3.1. The monitoring program shall extend for a period of 5 years with annual reports submitted to District staff. At the end of the first monitoring period the mitigation area shall contain an 80% survival of planted vegetation. The 80% survival rate shall be maintained throughout the remainder of the monitoring program, with replanting as necessary. If native wetland, transitional, and upland species do not achieve an 80% coverage within the initial two years of the monitoring program, native species shall be planted in accordance with the maintenance program. At the end of the 5 year monitoring program the entire mitigation area shall contain an 80% survival of planted vegetation and an 80% coverage of desirable obligate and facultative wetland species.
11. A maintenance program shall be implemented in accordance with Exhibit No. 3.1 for the enhanced wetland and upland areas on a regular basis to ensure the integrity and viability of those areas as permitted. Maintenance shall be conducted in perpetuity to ensure that the conservation areas are maintained free from Category 1 exotic vegetation (as defined by the Florida Exotic Pest Plant Council at the time of permit issuance) immediately following a maintenance activity. Maintenance in perpetuity shall also insure that conservation areas, including buffers, maintain the species and coverage of native,

SPECIAL CONDITIONS

desirable vegetation specified in the permit. Coverage of exotic and nuisance plant species shall not exceed [5%][10%] of total cover between maintenance activities. In addition, the permittee shall manage the conservation areas such that exotic/nuisance plant species do not dominate any one section of those areas.

12. Within 30 days of permit issuance, and prior to commencement of construction of the boardwalk, the permittee shall provide to the District the fully executed and recorded Amendment of Conservation Easement document depicted in Exhibit 3.2 to this staff report.
13. Activities associated with the implementation of the mitigation, monitoring and maintenance plan shall be completed in accordance with the work schedule attached as Exhibit No. 3.3. Any deviation from these time frames must be coordinated with the District's Environmental Resource Compliance staff, and may require a minor modification to this permit. Such requests must be made in writing and shall include (1) reason for the change, (2) proposed start/finish and/or completion dates; and (3) progress report on the status of the project development or mitigation effort.
14. The following are exhibits to this permit. Exhibits noted as incorporated by reference are available on the District's ePermitting website (<http://my.sfwmd.gov/ePermitting>) under this application number.
Exhibit No. 1 Location Map
Exhibit No. 2 Plans, Pages 1 - 10
Exhibit No. 3 Natural Resource Documents

NOTICE OF RIGHTS

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

RIGHT TO REQUEST ADMINISTRATIVE HEARING

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

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

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

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

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

MEDIATION

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

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.

Last Date For Agency Action: February 28, 2017

INDIVIDUAL ENVIRONMENTAL RESOURCE PERMIT STAFF REPORT

Project Name: Doral Glades Park
Permit No.: 13-05474-P-02
Application No.: 160718-5
Application Type: Environmental Resource (Construction/Operation Modification)
Location: Miami-Dade County, S8/T53S/R40E
Permittee : City Of Doral
Operating Entity : City Of Doral
Project Area: 24.50 acres
Permit Area: 24.50 acres
Project Land Use: Recreational
Drainage Basin: AREA B
Receiving Body: On-site retention
Special Drainage District: NA

Total Acres Wetland Onsite:	3.60
Total Acres Wetland Preserved Onsite:	3.52
Total Acres Impacted Onsite :	.08
Total Acres Presv/Mit Compensation Onsite:	3.52
Conservation Easement To District :	No
Sovereign Submerged Lands:	No

PROJECT SUMMARY:

This Environmental Resource Permit Modification authorizes construction and operation of a stormwater management system serving a 24.25-acre recreational development for a project known as Doral Glades Park.

The project consists of a park with recreational facilities and an education nature center with a wetland boardwalk area. The stormwater management system consists of inlets and culverts directing runoff into exfiltration trench prior to overflow into the previously permitted wet retention area.

Issuance of this permit constitutes certification of compliance with state water quality standards in accordance with Rule 62-330.062, F.A.C.

PROJECT EVALUATION:**PROJECT SITE DESCRIPTION:**

The site is located east of the Doral Commons development, west of N.W. 97th Avenue, and south of an existing undeveloped site. Refer to Exhibit 1 for a location map.

This application is for the Doral Glades Park site located within the Terra Doral Commons development that was issued Permit No. 13-05474-P on November 12, 2013.

For information on the wetlands and surface waters within the project, please refer to the Wetlands and Surface Waters section of this staff report.

LAND USE:**Construction****Project:****Total Project**

Building Coverage	.18	acres
Pavement	5.21	acres
Pervious	6.36	acres
Wet Retention	12.50	acres
Total:	24.25	

WATER QUANTITY :**Discharge Rate :**

No offsite discharge is proposed from this project in accordance with Miami-Dade County requirements.

Finished Floors :

As shown in the following table and the attached exhibits, minimum finished floor elevations have been set at or above the calculated design storm flood elevation.

Building Storm Frequency : 100 YEAR-3 DAY

Design Rainfall : 16.3 inches

Basin	Peak Stage (ft, NGVD 29)	Proposed Min. Finished Floors (ft, NGVD 29)	FEMA Elevation (ft, NGVD 29)
Park	8.09	8.1	N/A

Road Design :

As shown in the following table and the attached exhibits, minimum road center lines have been set at or above the calculated design storm flood elevation.

Road Storm Frequency : 10 YEAR-1 DAY

Design Rainfall: 8.5 inches

Basin	Peak Stage (ft, NGVD 29)	Proposed Min. Road Crown (ft, NGVD 29)
Park	7.04	7.1

Control Elevation :

Basin	Area (Acres)	Ctrl Elev (ft, NGVD 29)	WSWT Ctrl Elev (ft, NGVD 29)	Method Of Determination
Park	24.25	3.8	3.80	Previously Permitted

WATER QUALITY :

Water quality treatment will be provided in 740 LF of exfiltration trench prior to overflowing into the wet retention area. The project provides the required 2.02 acre-feet of water quality treatment volume based on 1 inch over the basin area.

Basin	Treatment Method	Vol Req.d (ac-ft)	Vol Prov'd
Park	Treatment Trench And Wet Retention	740 LF 2.02	2.02

WETLANDS:**Wetlands And Other Surface Waters:**

The project area contains previously preserved wetlands totaling 3.6 acres. These freshwater marsh wetlands and the associated 0.32-acre upland buffer were preserved under Application No. 121226-7. Please see exhibit 3.0 for wetland locations. Additional wetland descriptions are located in the epermitting file.

The project includes an elevated boardwalk over the existing onsite freshwater marsh, which will result in shading impacts to 0.08 acres of wetlands as described in the table below. Exhibit 3.0 identifies the locations of wetlands that will be impacted. The applicant made multiple revisions to reduce the amount of wetland impacts to the extent practicable, in accordance with Section 10.2.1 of the Applicant's Handbook Volume I.

To mitigate for the wetland impacts, the applicant will enhance 0.1 acres of onsite freshwater marsh, as depicted in Exhibit 3.1. The amount of mitigation was determined by using the Uniform Mitigation Assessment Method in Chapter 62-345, F.A.C. The final scores can be found in the permit file. Wetland enhancement activities include supplemental planting of 0.1 acres of wetland and upland buffer vegetation. The mitigation area shall be maintained and monitored in accordance with the mitigation plan attached as Exhibit 3.1, and will be protected in perpetuity under the existing conservation easement.

The proposed mitigation is located within the same basin as the impacts; therefore, pursuant to Section 10.2.8 of Volume I, the project will not result in unacceptable cumulative impacts to the East Everglades Basin.

The existing 3.92-acre conservation easement will remain over the onsite wetlands. To allow for the installation of the boardwalk, the existing conservation easement will be amended to allow for passive

recreational use.

Wetland Inventory :

CONSTRUCTION MOD -Doral Glades Park

Site Id	Site Type	Pre-Development				Post-Development						
		Pre Fluc cs	AA Type	Acreage (Acres)	Current Wo Pres	With Project	Time Lag (Yrs)	Risk Factor	Pres. Adj. Factor	Post Fluc cs	Adj Delta	Functional Gain / Loss
1	ON	641	Direct	.08	.63	.50				641	-.130	-.010
2	ON	641	Enhancement	.10	.63	.80	5	1.25		641	.119	.012
3	ON	641	Preservation	3.42								
Total:				3.60								.00

<u>Fluc cs Code</u>	<u>Description</u>
641	Freshwater Marshes

Fish And Wildlife Issues:

The wetlands or surface waters to be impacted provide habitat for wetland-dependent species. The proposed mitigation will provide or improve habitat for wetland- dependent/ aquatic species. No aquatic or wetland- dependent listed species or species having special protection were observed to be using the uplands within the project for nesting or denning.

This permit does not relieve the applicant from complying with all applicable rules and any other agencies' requirements if, in the future, endangered/threatened species or species of special concern are discovered on the site.

LEGAL ISSUES:

A 3.92-acre conservation easement was previously recorded over the wetlands and upland buffers within the project. To allow for the installation of a boardwalk within the conservation area, an amendment shall be made to the existing conservation easement, utilizing the form attached as Exhibit 3.2, and recorded within 30 days of permit issuance and prior to commencement of construction of the boardwalk.

CERTIFICATION, OPERATION, AND MAINTENANCE:

Pursuant to Chapter 62-330.310 Florida Administrative Code (F.A.C.), Individual Permits will not be converted from the construction phase to the operation phase until construction completion certification of the project is submitted to and accepted by the District. This includes compliance with all permit conditions, except for any long term maintenance and monitoring requirements. It is suggested that the permittee retain the services of an appropriate professional registered in the State of Florida for periodic observation of construction of the project.

For projects permitted with an operating entity that is different from the permittee, it should be noted that until the construction completion certification is accepted by the District and the permit is transferred to an acceptable operating entity pursuant to Sections 12.1-12.3 of the Applicant's Handbook Volume I and Section 62-330.310, F.A.C., the permittee is liable for operation and maintenance in compliance with the

terms and conditions of this permit.

In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all stormwater management systems and works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity.

The efficiency of stormwater management systems, dams, impoundments, and most other project components will decrease over time without periodic maintenance. The operation and maintenance entity must perform periodic inspections to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation of projects that may endanger public health, safety, or welfare, or the water resources. If deficiencies are found, the operation and maintenance entity will be responsible for correcting the deficiencies in a timely manner to prevent compromises to flood protection and water quality. See Section 12.4 of Applicant's Handbook Volume I for Minimum Operation and Maintenance Standards.

RELATED CONCERNS:

Water Use Permit Status:

The applicant has indicated that the on-site lake will be used as the source for irrigation water for the project. A Water Use application will be submitted for the project. The applicant has indicated that the project will be constructed without dewatering.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation.

CERP:

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

Potable Water Supplier:

Miami-Dade Water and Sewer Department

Waste Water System/Supplier:

Miami-Dade Water and Sewer Department

Right-Of-Way Permit Status:

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

Historical/Archeological Resources:

On August 10, 2016, the District received correspondence from the Florida Department of State, Division of Historical Resources indicating that no significant archaeological or historical resources are recorded in the project area and the project is therefore unlikely to have an effect upon any such properties.

DEO/CZM Consistency Review:

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

Third Party Interest:

No third party has contacted the District with concerns about this application.

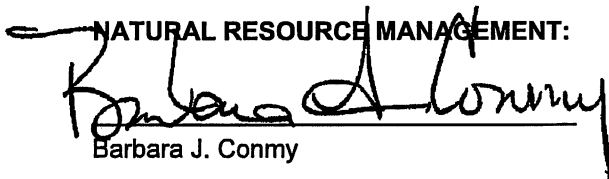
Enforcement:

There has been no enforcement activity associated with this application.

STAFF REVIEW:

DIVISION APPROVAL:

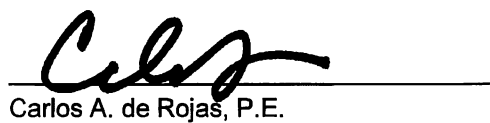
NATURAL RESOURCE MANAGEMENT:



Barbara J. Conmy

05 Jan 2017
DATE: _____

SURFACE WATER MANAGEMENT:



Carlos A. de Rojas, P.E.

05-Jan-2016
DATE: _____



Exhibit No: 1

Exhibit Created On:
2016-07-18

MIAMI-DADE COUNTY, FL

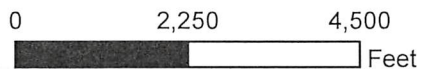


Application



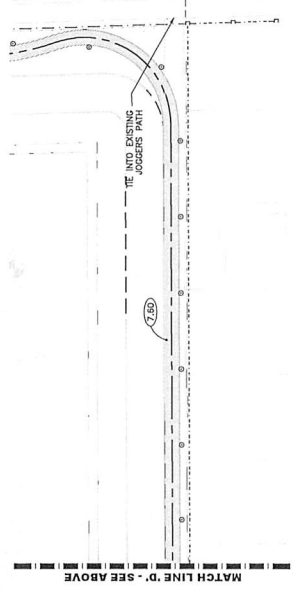
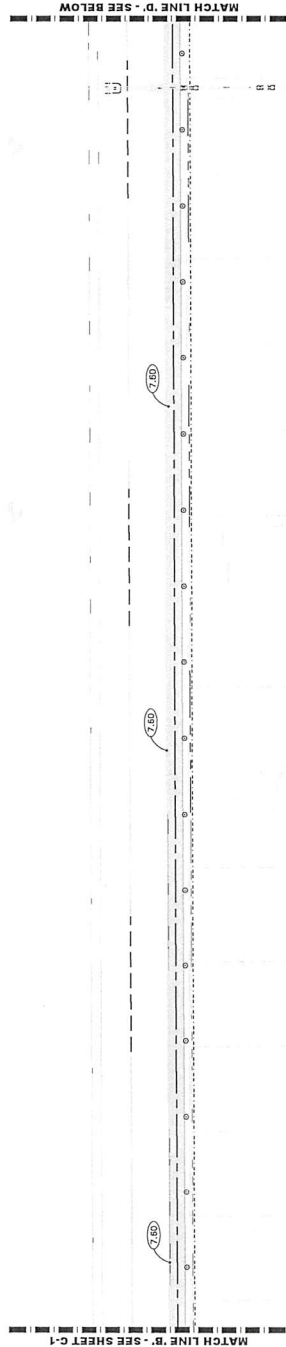
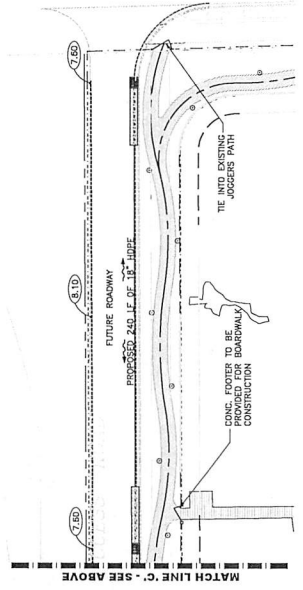
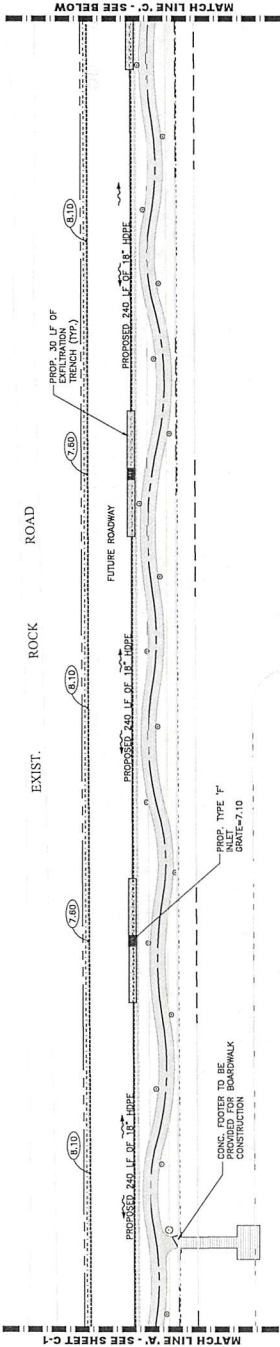
REGULATION DIVISION
Project Name: DORAL GLADES PARK

Application Number: 160718-5



sfwmd.gov

Created by Regulation GIS Section
South Florida Water Management District



NO. REVISION DATE
 1. 5-31-18
 2. 5-31-18
 3. 5-31-18
 4. 5-31-18
 5. 5-31-18
 6. 5-31-18
 7. 5-31-18
 8. 5-31-18
 9. 5-31-18
 10. 5-31-18
 11. 5-31-18
 12. 5-31-18

CONSULTANTS
 CIVIL ENGINEERING AND ARCHITECTURE
 1101 N.W. 10TH AVENUE
 SUITE 100
 MIAMI, FL 33136

City of Doral, Miami, FL
 Section 8, Township 33 South, Range 40 East
 Doral North Park Nature Center

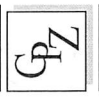


Know what's below.
 Call before you dig.

LEGEND

PROPOSED ASPHALT

PROPOSED BRICK OR CONCRETE DRIVEWAY



DRAWING TITLE:
 PAVING, GRADING, AND DRAINAGE PLAN

CHECKED: CPZ
 DATE: 1.29.18
 SCALE: AS NOTED
 PROJECT NO.: 1514
 SHEET: C-2

LEO P. CHANDRANER, P. E.
 STATE OF FLORIDA

DATE:

1. ALL MAINS AND LINES UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE WATER AND SEWER DEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT. SUBMIT SHOP DRAWINGS FOR ALL MAINS.

2. COVER OVER WATER OR SEWER FORCE MAINS SHALL BE 4'-0" MIN.

3. ALL MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 10" RISER PIPES AND NO. 3 OR 53 VALVE BOXES FIRE HYDRANT AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 4" RISER PIPES AND NO. 3 VALVE BOXES.

4. ALL FORCE MAIN CONNECTIONS WITH PRESSURE TRANSDUCERS SHALL HAVE A SHUT OFF VALVE AND CHECK VALVE AT THE POINT OF ENTRY.

5. ALL GRAVITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEPARTMENT STANDARDS.

6. ALL WATER METERS SHALL BE INSTALLED BY THE MIAMI-DADE WATER AND SEWER DEPARTMENT PROVIDING THE APPROPRIATE CHANGES HAVE BEEN MADE.

7. FIRE HYDRANT REQUIREMENTS (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY THE MIAMI-DADE COUNTY FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH DEPARTMENT STANDARDS.

8. CONTRACTOR MUST CALL IN-ROAD INSPECTION LOCATION TO ARRANGE FOR A PRECONSTRUCTION MEETING 2 FULL BUSINESS DAYS PRIOR TO PROPOSED START OF CONSTRUCTION CONTACT ONE CALL CENTER 48 HRS PRIOR TO DIGITATION.

9. CONTRACT INSPECTOR WILL INSPECT ANY FACILITIES PROVIDED BY THE DEPARTMENT. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARDS AND REQUIREMENTS.

10. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE SYSTEM BY THE DEPARTMENT AND UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED AND APPROVED BY THE DEPARTMENT.

a. DOCUMENTS, IF REQUIRED.

b. CONTRACTOR'S WARRANTY AND RELEASE OF LIEN.

c. ASUURE BILL OF SALE.

d. CONTRACTOR'S LETTER OF WARRANTY (I.E. LETTER AGREEMENT).

e. DEVELOPER'S CONTRACT BOND (I.E. CONTRACT AGREEMENT).

f. "AS-BUILT" PRINTS 24"x36" SHOWING SPECIFIC LOCATIONS, TOPRA, ETC. OF ALL WATER AND SEWER FACILITIES AS LOCATED BY A LICENSED FLORIDA SURVEYOR, ALONG WITH PRINTS OF "AS-BUILT" WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED SURVEYOR. (No. OF PRINTS 3-FOR WATER, 4-FOR GRAVITY SEWER AND 5-FOR FORCE MAIN OR PLUMB CROCK PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO RECEIVE SUBMITALS ON ELECTRONIC MEDIA IN ACCORDANCE WITH SEC. 0175 "ELECTRONIC MEDIA SUBMITAL".

g. VALS LETTER OF RELEASE REQUIRED FOR ALL WATER PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO RECEIVE SUBMITALS ON ELECTRONIC MEDIA IN ACCORDANCE WITH SEC. 0175 "ELECTRONIC MEDIA SUBMITAL".

h. BILL OF SALE SKETCH (8 1/2"x11") FOR WATER AND SEWER, SEPARATELY.

11. ALL NEW CONNECTIONS FROM EXISTING DEPARTMENT MAINS TO BE MADE BY DEPARTMENT FORCE MAINS ONLY. THE CONTRACTOR TO EXCAVATE AT REQUIRED LOCATIONS, PROVIDE AND INSTALL MAINS WITH FITTINGS, PRIOR TO TOP.

12. AN APPROVED PLUMB AND DRAINAGE PLAN MUST BE SUBMITTED TO MONITOR FOR ALL NEW SUBDISBURGERS PRIOR TO APPROVAL OF WATER AND SEWER PERMITS PLANS, LIAISON RECORDS.

13. UNLESS OTHERWISE SPECIFIED, ALL TAPS 20 INCHES AND SMALLER FOR CONNECTIONS TO EXISTING MAINS WILL BE DONE BY DEPARTMENT FORCE MAINS. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE PERMITTED TO TAP EXISTING MAINS IN THE FIELD UNLESS SPECIFIED ABOVE. THE TAPPING SLICES AND TAPPING WELDS ARE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER THE SUPERVISION OF THE INSPECTOR.

ITEM	CROSS REF.	SPEC. REF.
GS	0.5	

STANDARD DETAIL
WATER AND SEWER
CONSTRUCTION

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT

ISSUE DATE: 03/01/2010
APPROVED BY: V.F.C.

STANDARD DETAIL
WATER AND SEWER
CONSTRUCTION

GS
0.5
SHEET 1 of 2

20' WIDE (DEDICATED R.O.W.)

3. FILL MATERIAL SHALL BE ROLLER COMPACTED IN TWO LAYERS 9" THICK EACH TO 104% MOISTURE DENSITY (GSM-0-1557)

4. DETAIL APPLICABLE FOR FORCE MAINS & WATER MAINS TO BE 4 FEET COVER WHEN THE ROAD IS NOT SET CONSTRUCTION

5. FILL MATERIAL SHALL BE A Mixture OF SAND AND ROCK UNLESS ROCK DIMENSIONS SHALL NOT BE ABOVE 1'-0"

NOTES:

1. REMOVE ALL ORGANIC MATERIAL OR OTHER UNSATURABLE OVERLIEERS

2. FILL MATERIAL SHALL BE ROLLER COMPACTED IN TWO LAYERS 9" THICK EACH TO 104% MOISTURE DENSITY (GSM-0-1557)

3. FILL MATERIAL SHALL BE ROLLER COMPACTED IN TWO LAYERS 9" THICK EACH TO 104% MOISTURE DENSITY (GSM-0-1557)

ITEM	CROSS REF.	SPEC. REF.
GS	2.1	

STANDARD DETAIL
EMBANKMENT
TYPICAL SECTION

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT

ISSUE DATE: 06/07/2008
APPROVED BY: V.F.C.

STANDARD DETAIL
EMBANKMENT
TYPICAL SECTION

GS
2.1
SHEET 1 of 1

1. AT THE COMPLETION OF ANY WATER AND SEWER JOB, EITHER DURING OR CONTRACT, THE CONTRACTOR SHALL SUBMIT:

a. AS-BUILT PRINTS WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND WAPPER. (OUT OF PRINTS, AS REQUIRED BY THE DEPARTMENT.)

2. "AS-BUILT" FORMS:

a. 24"x36" PRINTS

b. LOCATION MAP SCALE SHOULD BE 1"=50' AND SECTION-TOWNSHIP-RANGE SHOULD BE SHOWN

c. THE RISER "AS-BUILT" IN LARGE LETTERS.

d. TITLE BLOCK WITH DEPARTMENT CO. OR ER NUMBER AND PERTINENT INFORMATION.

e. PREFERRED SCALE TO BE 1"=40' HORIZONTALLY AND 1"=4' VERTICALLY

f. STREET NOMENCLATURE

g. SEPARATE 45-BUILT FOR WATER AND SEWER

h. SEPARATE WATER AND SEWER PROFILE

i. STATIONING STARTING WITH 6+00 AT PERMANENT REFERENCE POINT (I.L., E., S., ETC.) OR AS SHOWN ON DESIGN PERMIT PLANS, AND TO RUN CONTINUOUSLY TO END OF MAIN

j. EASEMENTS, IF ANY, TIED TO PERMANENT REFERENCE POINT

k. VERIFY ALL CONTROL LINES (I.E. RIGHT LINE, PROPERTY LINE, R/W, ETC.)

l. ALL "PROPOSED" INFORMATION TO BE REMOVED FROM PRINTS, LEAVING ONLY "AS-BUILT" INFORMATION REFLECTED IN DRAWINGS.

3. WATER "AS-BUILTS" MUST INCLUDE:

a. PLANS SHOWING PIPE SIZE, MATERIAL AND OFFSET OF MAIN, DEFLECTIONS (IF ANY), STATION OF SERVICES, IMPROVING AND FITTINGS AT THE MANHOLES (IF PERPENDICULAR TO IT), AND AT MANY AND END OF SERVICES IF ANY, OTHER ANGLES, AND DEFLECTION OF PIPE, IF ANY.

b. PROFILE SHOWING TOP OF COORDINATE AND TOP OF PIPE ELEVATIONS AT EVERY 100' STATION AND AT ANY CHANGE IN GRADE (WITH CORRESPONDING STATION), PIPE SIZE AND PIPE MATERIALS REFERENCED TO PLAN

4. SEWER "AS-BUILTS" MUST INCLUDE:

a. PLAN SHOWING MANHOLE NUMBER, PIPE SIZE AND PIPE MATERIAL, OF PIPE, DEFLECTION, IF ANY (FORCE MAIN ONLY), AND LOCATION OF LATERALS WITH REFERENCE TO MANHOLE

b. PROFILE SHOWING MANHOLE NUMBER (AS PER PLANS), R/W AND HIGHEST ELEVATIONS OF MORE THAN ONE RISE, LABELS NORTH, SOUTH, ETC., AND SECTION STARTING AT EACH 6+00 AT DOWNSTREAM MANHOLE

5. FORCE MAIN "AS-BUILT" SAME AS WATER MAIN ABOVE

6. EACH AS-BUILT SHALL SHOW THE FLORIDA STATE PLANE COORDINATES (CURRENT READJUSTMENT) OF ALL THE MANHOLES AND VALVES AND OF AT LEAST TWO HORIZONTAL CONTROL POINTS PROPERLY COORDINATED AND LOCATED WITHIN THE PROJECT.

* OTHER SCALE MAY BE PERMITTED, BUT MUST BE APPROVED BY THE DEP. OF DRAWINGS.

ITEM	CROSS REF.	SPEC. REF.
GS	0.5	

STANDARD DETAIL
"AS-BUILT" REQUIREMENTS

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT

ISSUE DATE: 03/11/2009
APPROVED BY: V.F.C.

STANDARD DETAIL
"AS-BUILT" REQUIREMENTS

GS
0.5
SHEET 2 of 2

MIAMI-DADE WATER AND SEWER DEPARTMENT
ENGINEERING DIVISION

PUMP STATION DESIGN PACKAGE
(PSP-4596)

Pump station plans cannot be processed if the Engineer of Record does not fully complete all appropriate Pump Station Design information contained herein. This form serves as a cover to the Pump Station Design package.

To be completed by MID-WAST Operations Personnel:

PUMP STATION NUMBER: _____ SEWER ATLAS PAGE NO.: _____

ADDRESS: _____

LEGAL DESCRIPTION OF PROPERTY: _____

PROJECT TITLE: _____

Engineer of Record Certifications: _____ P.E. certifies that:

The above pump station design follows all applicable guidelines published by Miami-Dade Water and Sewer Department and is the product of thorough engineering work.

When selecting the operating range of the pump, I considered the maximum and minimum head conditions that may be encountered in the system.

I consulted manufacturers published data to find and specify the equipment that was most suitable for the application, from the point of durability, reliability and energy consumption.

This is in order to accomplish this, I reviewed and specified the optimum combination of pump and motor I found for this application.

The selected equipment meets all the above criteria.

I have also recommended this in the form of manufacturer's data sheets, literature, shop drawings and/or other certified materials.

I will be personally responsible for reviewing and approving shop drawings of equipment to be installed in this project.

ENGINEER OF RECORD CERTIFIES THAT THE FOLLOWING INFORMATION IS ATTACHED TO THIS FORM FOR REVIEW AND APPROVAL. Check all items attached:

Hydraulic Calculations (Signed and Sealed) _____

System Curve (Min. and Max.) _____

Pump Curve _____

Pump Selection Including Catalog Information (Specifications, Materials) _____

Plantation Calculations (Signed and Sealed) _____

Electrical Load Calculations and Wiring Sizing (Signed and Sealed) _____

Air Change Calculations for Drywell Ventilation System (Signed and Sealed) _____

Generator Sizing Calculations (Signed and Sealed) _____

Architectural/Structural Construction Drawings _____

Mechanical Construction Drawings _____

Electrical Construction Drawings _____

This is to certify that the engineering features of this design have been designed by me (or by an individual) under my direct supervision.

Name: _____ Title: _____ Address and Phone Number: _____ Signature & Seal: _____
PSP-4596 Page 1 (Rev. 1/99)

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-355.314

CROSSINGS (1)	HORIZONTAL SECTION	OVER VIEW

NOTES:
1. WATER MAINS SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE THE TOP OF THE GRAVITY SEWER SEWER
2. SEWER MAINS SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE THE TOP OF THE GRAVITY SEWER SEWER
3. ALL MAINS SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE THE TOP OF THE GRAVITY SEWER SEWER
4. ALL MAINS SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE THE TOP OF THE GRAVITY SEWER SEWER

ITEM	CROSS REF.	SPEC. REF.
GS	1.5	

STANDARD DETAIL
WATER AND SEWER
MAINS CROSSING

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT

ISSUE DATE: 10/06/2008
APPROVED BY: V.F.C.

STANDARD DETAIL
WATER AND SEWER
MAINS CROSSING

GS
1.5
SHEET 1 of 1

EXIST. OR PROP. GRAVITY SEWER PIPE (8" MIN.)

SECTION A

CONCRETE BOX & LID TO BE INSTALLED IN SOLID CONCRETE SERVICE PLUG WITH EXPANSION JOINTS TO ADJUST PLANS. FOR BOX LOCATED IN GRASS WELLS, SEE STD. DETAIL SS 21.0 FOR REFERENCE.

CLEAN-OUT (BROKEN PLUG)

8" SEWER LATERAL MAIN OR LARGER AS REQ'D.

SLOPE PIPE DOWNWARD MIN. SLOPE 1/8"

45° BEND

45° BEND, INSTALLED AS REQ'D.

APPROVED INTERDIT PLUG, PLUG TO BE REMOVED FOR FUTURE DOMESTIC CONNECTION WITH PVC "T" JOINT COUPLING, BY OTHERS

3" MIN. TO INVERT OF COVER AS REQ'D.

EXIST. OR PROP. GRAVITY SEWER PIPE (8" MIN.)

ITEM	CROSS REF.	SPEC. REF.
SS	1.0	

STANDARD DETAIL
GRAVITY SEWER SERVICE LATERAL
FOR "SHALLOW" SEWERS

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT

ISSUE DATE: 08/26/2010
APPROVED BY: V.F.C.

STANDARD DETAIL
GRAVITY SEWER SERVICE LATERAL
FOR "SHALLOW" SEWERS

SS
1.0
SHEET 1 of 2



NO. REVISION DATE
ZONING SUBMITTAL
12-1-18

CONSULTANT:
GRAND OPENING AND PLUMB
75 IN BUILT UNDER
1000 E. 1000

GFIP

Doral North Park Nature Center
Section 8, Township 53 South, Range 40 East
City of Doral, Miami, FL.

CPZ ARCHITECTS, INC.
10000 W. BIRCHWOOD BLVD
PLANTATION, FLORIDA 33324
TEL: 954-345-1100
WWW.CPZARCHITECTS.COM

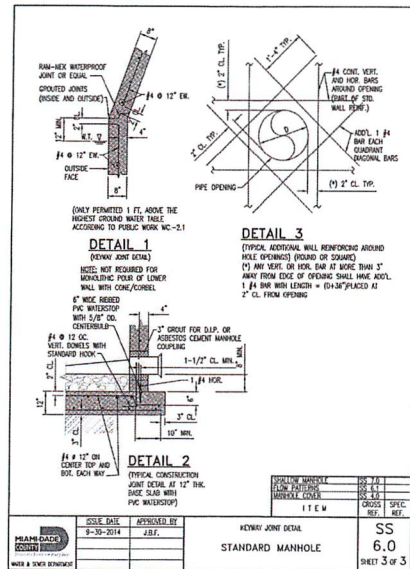
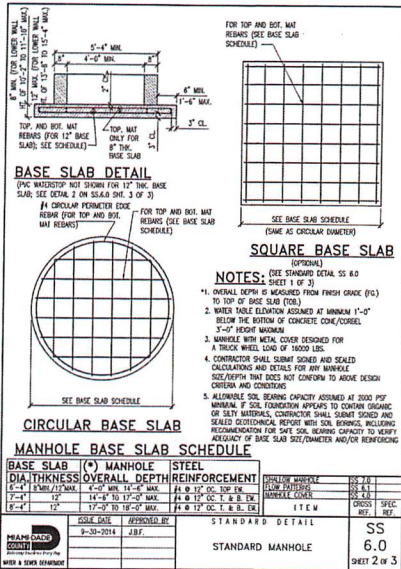
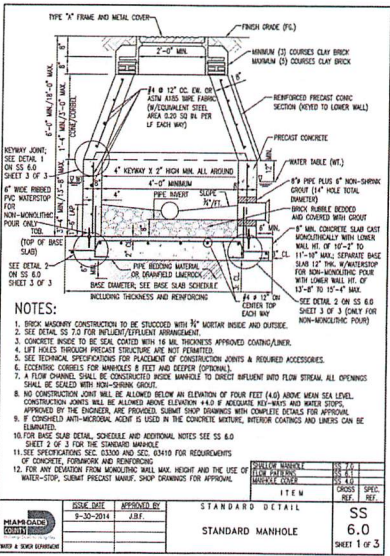
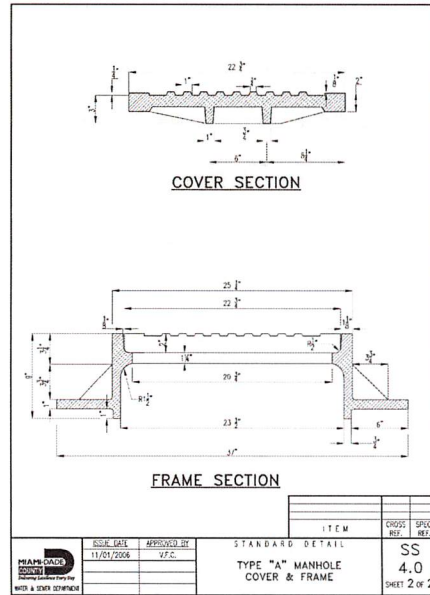
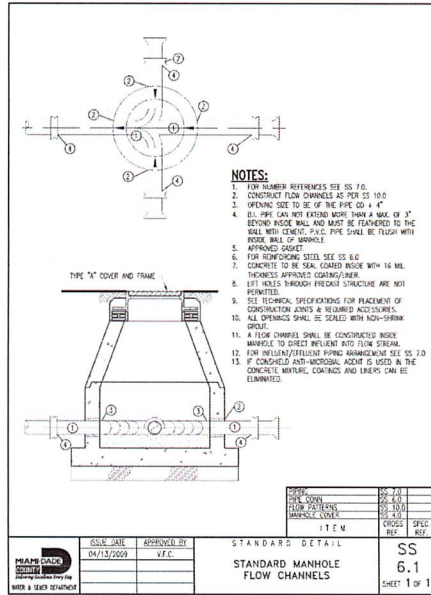
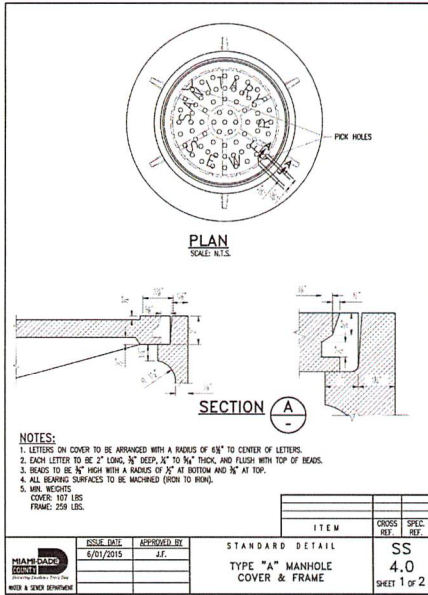


DRAWING TITLE:
DETAILS

DRAWN: _____
CHECKED: CPZ
DATE: 1-29-16
SCALE: AS NOTED
PROJECT NO.: 1514
SHEET:
D-2

LEO P. CIANGRANDE, P.E.
LICENSE NO. 66387
STATE OF FLORIDA

DATE:



NO. REVISION DATE
ZONING SUBMITTAL
12-1-16

CONSULTANT:
GARDNER WHITTING AND PLANNING
1215 BICKNELL AVE
MIAMI, FL 33136



Doral North Park Nature Center
Section 8, Township 33 South, Range 40 East
City of Doral, Miami, FL.

CPZ ARCHITECTS, INC.
14455 SW 104th Ave, Suite 100
Miami, FL 33186
PH: 305.444.1111
WWW.CPZARCHITECTS.COM



DRAWING TITLE:

DETAILS

DRAWN: CPZ
CHECKED: CPZ
DATE: 1.29.16
SCALE: AS NOTED
PROJECT NO.: 1514
SHEET:

LEO P. GIANGRANDE, P.E.
LICENSE NO. 66487
STATE OF FLORIDA

DATE:

D-3



Know what's below.
 Call before you dig.

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT
 1101 N.W. 13th Street
 Miami, FL 33136
 www.miamidade.gov

Doral North Park Nature Center
 Section 8, Township 33 South, Range 40 East
 City of Doral, Miami, FL.

CPZ ARCHITECTS, INC.
 11175 N.W. 11th Street, Suite 100
 Ft. Lauderdale, FL 33309
 WWW.CPZARCHITECTS.COM



DRAWING TITLE:

DETAILS

DRAWN	CPZ
CHECKED	CPZ
SCALE	AS NOTED
PROJECT NO.	1514
SHEET	E-4

DATE: _____

LEO P. GIANDRANDE, P. E.
 STATE OF FLORIDA

ENGINEERING & DESIGN
 1101 N.W. 13th Street
 Miami, FL 33136
 www.miamidade.gov

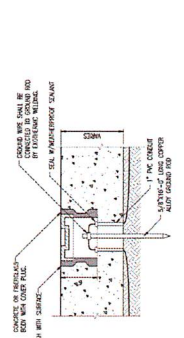
PTS 00000/CONTRACT X-000 or RPQ/ERX00000
SUBMERSIBLE PUMPING STATION (WITHOUT GENERATOR)
 PROJECT OFFICIAL ADDRESS

DRAINING HISTORY

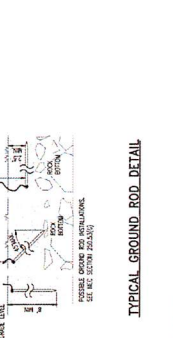
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APPROVALS

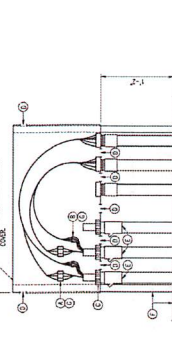
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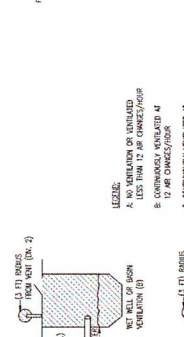
TYPICAL GROUND ROD DETAIL



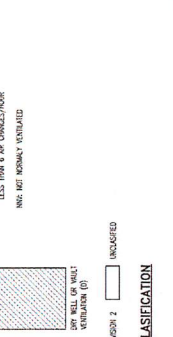
PUMPS MOTOR CONNECTION BOX



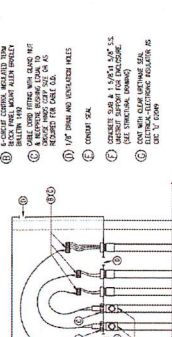
CONTROL CONNECTIONS DETAIL AT VALVE VAULT



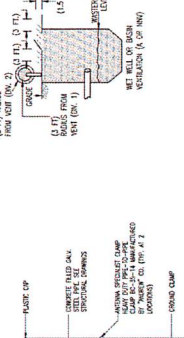
TYPICAL GROUND ROD DETAIL



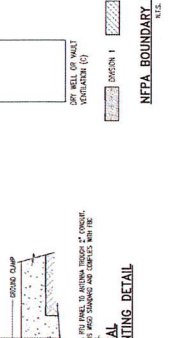
PUMPS MOTOR CONNECTION BOX



CONTROL CONNECTIONS DETAIL AT VALVE VAULT



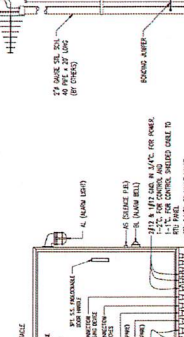
NEPA BOUNDARY CLASSIFICATION



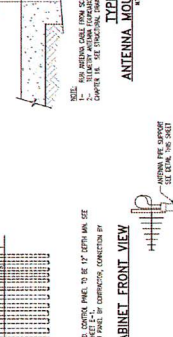
CONTROL JUNCTION BOX



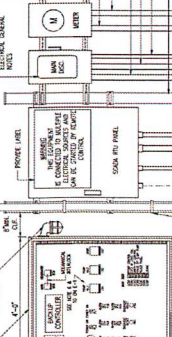
POWER CONNECTION DETAIL AT VALVE VAULT



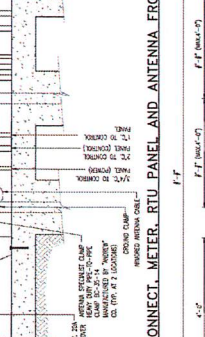
TYPICAL ANTENNA MOUNTING DETAIL



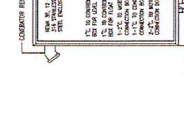
CONTROL CABINET FRONT VIEW



MAIN DISCONNECT, METER, RTU PANEL AND ANTENNA FRONT VIEW



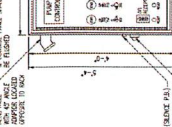
CONCRETE SLAB AND ANCHORAGE PLAN



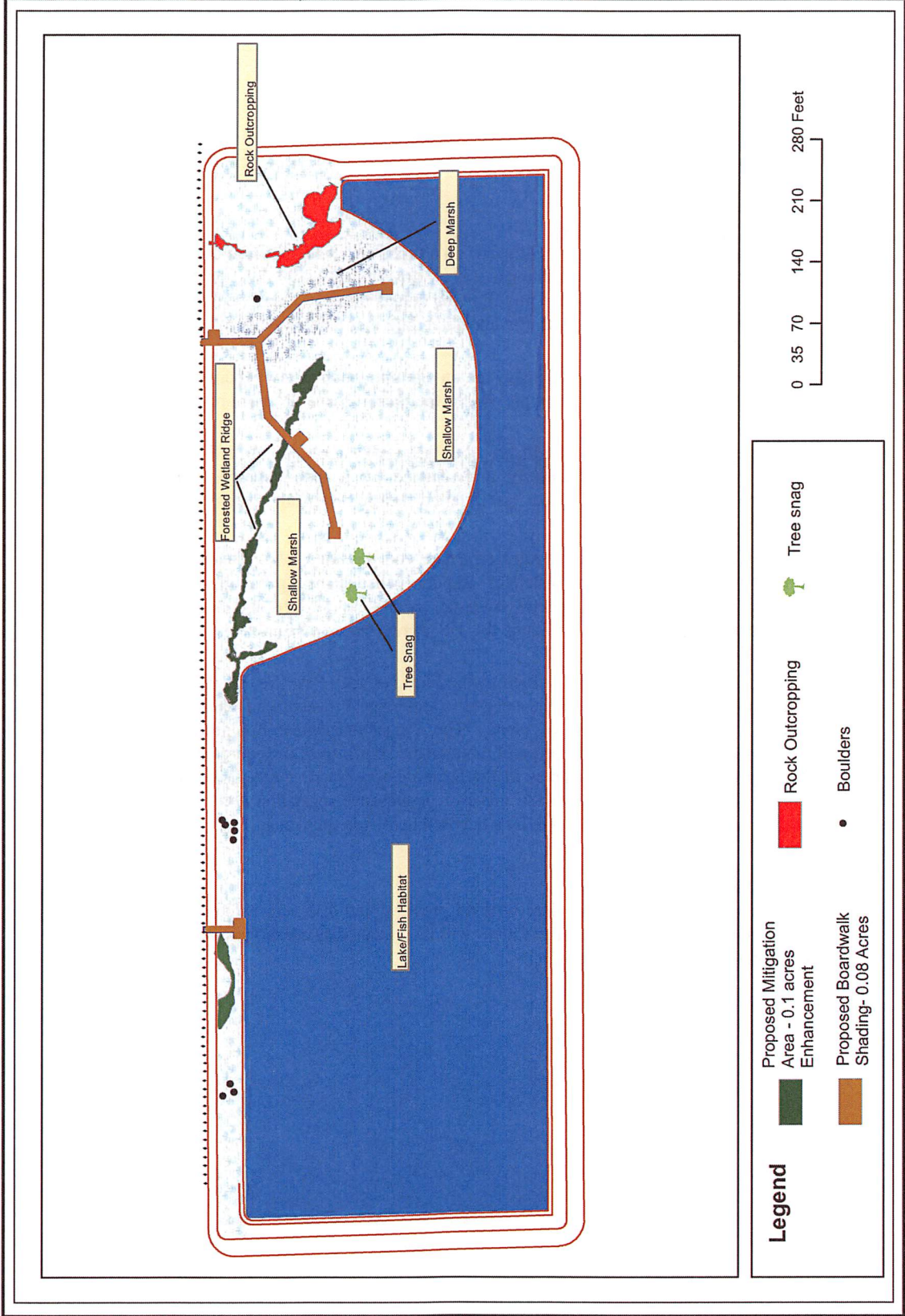
TYPICAL GROUND ROD DETAIL



PUMPS MOTOR CONNECTION BOX



CONTROL CONNECTIONS DETAIL AT VALVE VAULT



Monitoring and Maintenance:

As this is a City park, plantings will occur on a timeframe differing from other areas of the project, as there may be additional steps a government entity must go through as opposed to a private developer. The following details the steps associated with the full construction of the preserve, with the understanding that timeframe modifications will most likely be made.

Formal maintenance and monitoring of the on-site mitigation area will commence once all filling activities have been completed and the preserve area has been re-graded and planted.

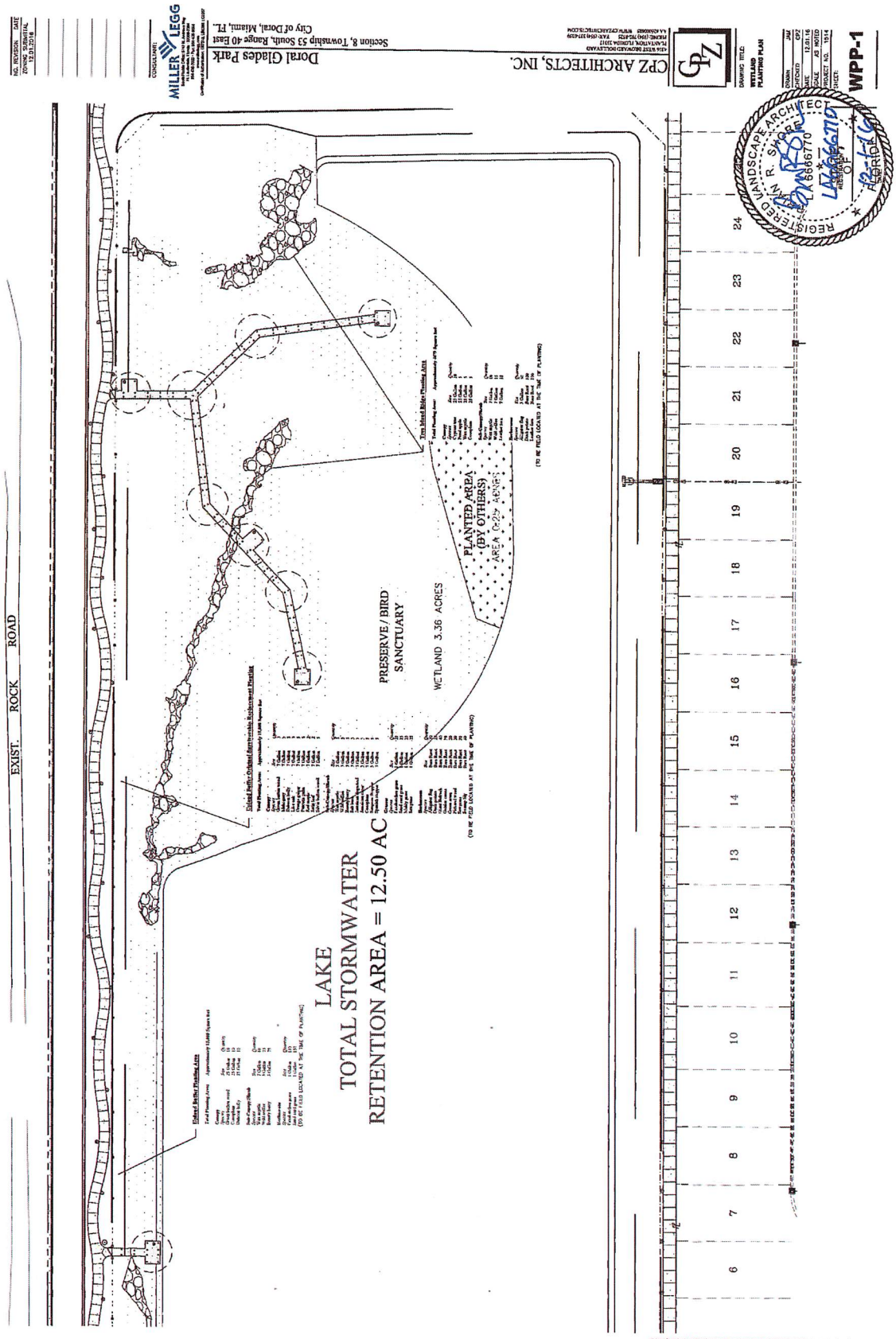
Subsequent monitoring reports will be submitted yearly for a period of five years as shown in Appendix B. Quarterly maintenance by a state approved mitigation maintenance company will occur as detailed below to ensure native vegetation coverage standards are met.

To provide documentation of species coverage and coverage, photo and monitoring stations (Appendix C) will be installed. Reports will document percentage of native/exotic coverage and overall species coverage as well as wildlife utilization and are recommended to be written utilizing the US Army Corps of Engineers Monitoring Report Guidance.

Exotic vegetation (as currently defined by the Florida Exotic Pest Council (EPPC)) will comprise no more than 5% of the vegetative coverage between maintenance events, with 0% following maintenance events. The annual maintenance/monitoring report will include a description of the type of maintenance performed, including photographs showing before and after examples of the preserve area where maintenance occurred. All maintenance with respect to the invasive or nuisance vegetation will be done by hand or with an approved herbicide by a licensed herbicide applicator.

Perpetual Protection:

In order to ensure that the 3.6 acre wetland preserve and 0.31 acre upland buffer are protected in perpetuity, both of these areas will be protected by conservation easements, as required by permit conditions.



Doral Glades Park Mitigation Enhancement Planting Plan

Tree Island Ridge Planting Area

Total Planting Area: **Approximately 4679 Square feet**

Canopy

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Cypress tree	25 Gallon	10
Pond apple	25 Gallon	5
Wax myrtle	25 Gallon	5
Cocoplum	25 Gallon	5

Sub-Canopy/Shrub

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Wax myrtle	7 Gallon	10
Wild coffee	7 Gallon	15
Leather fern	7 Gallon	15

Herbaceous

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Alligator flag	3 Gallon	50
Duck potato	Bare Root	100
Leather fern	Bare Root	100

Upland Buffer Planting Area

Total Planting Area: **Approximately 15,000 Square feet**

Canopy

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Green button wood	25 Gallon	10
Cocoplum	25 Gallon	10
Dahoon holly	25 Gallon	10

Sub-Canopy/Shrub

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Wax myrtle	7 Gallon	10
Wild coffee	3 Gallon	25
Beauty berry	3 Gallon	25

Herbaceous

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Faxahatchee grass	1 Gallon	150
Sand cord grass	1 Gallon	150



Upland Buffer Original Survivorship Replacement Planting

Total Planting Area: **Approximately 15,000 Square feet**

Canopy

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Green button wood	7 Gallon	3
Mahogany	7 Gallon	3
Dahoon holly	7 Gallon	5
Live oak	7 Gallon	3
Orange geiger	7 Gallon	5
Paurotis palm	7 Gallon	5
Red maple	7 Gallon	2
Satin leaf	7 Gallon	2
Silver button wood	7 Gallon	5

Sub-Canopy/Shrub

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Wax myrtle	3 Gallon	5
Wild coffee	3 Gallon	5
Beauty berry	3 Gallon	5
Salt bush	3 Gallon	3
Jamaican dogwood	3 Gallon	3
Jamaican caper	3 Gallon	3
Cocoplum	3 Gallon	5
Simpson Stopper	3 Gallon	5
Spanish stopper	3 Gallon	5

Grasses

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Faxahatchee grass	1 Gallon	25
Sand cord grass	1 Gallon	25
Muhly grass	1 Gallon	25
Sawgrass	1 Gallon	25

Herbaceous

<u>Species</u>	<u>Size</u>	<u>Quantity</u>
Alligator flag	Bare Root	20
Duck potato	Bare Root	25
Giant Bulrush	Bare Root	40
Golden canna	Bare Root	30
Green arum	Bare Root	20
Pickerel weed	Bare Root	20
Sawgrass	Bare Root	20
Swamp lily	Bare Root	40

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Amendment of Conservation Easement

This Amendment of Conservation Easement ("Amendment of Conservation Easement") is made this 5th day of December, 20 16 by the South Florida Water Management District ("District") having an address of 3301 Gun Club Road, West Palm Beach, Florida 33406 and a mailing address of Post Office Box 24680, West Palm Beach, Florida 33416-4680.

WITNESSETH:

WHEREAS, the City of Doral granted in favor of the District that certain Deed of Conservation Easement dated 10/24/16 and recorded in Official Record Book 29003 at Page 1508 of the Public Records of Miami-Dade County, Florida hereinafter referred to as the ("Conservation Easement") encumbering the real property Described on Exhibit "A" attached hereto and made a part hereof (hereinafter referred to as the "Original Premises"); and

WHEREAS, the District has been requested to modify the Conservation Easement to (include/delete) the following language:

If Passive Recreation uses are requested, insert the following language:

Passive Recreational Facilities. Grantor reserves the rights as owner of the Property, including the right to engage in uses of the Property that are not prohibited herein and that are not inconsistent with any District rule, criteria, the Permit and the intent and purposes of this Conservation Easement. Passive recreational uses that are not contrary to the purpose of this Conservation Easement may be permitted upon written approval by the District.

- a. The Grantor may conduct limited land clearing for the purpose of constructing such pervious facilities as docks, boardwalks or mulched walking trails.
- b. The construction and use of the approved passive recreational facilities shall be subject to the following conditions:
 - i. Grantor shall minimize and avoid, to the fullest extent possible, impact to any wetland or upland buffer areas within the Conservation Easement Area and shall avoid materially diverting the direction of the natural surface water flow in such area;
 - ii. Such facilities and improvements shall be constructed and maintained utilizing Best Management Practices;
 - iii. Adequate containers for litter disposal shall be situated adjacent to such facilities and improvements and periodic inspections shall be instituted by the maintenance entity, to clean any litter from the area surrounding the facilities and improvements;
 - iv. This Conservation Easement shall not constitute a permit authorization for any works including the construction and operation of the passive recreational facilities. Any such work shall be subject to all applicable federal, state, District or local permitting requirements.

WHEREAS, the District is amenable to modifying the Conservation Easement to (include/delete) the above language.

WHEREAS, all terms of the Conservation Easement remain in full force and effect. The priority of the recording of the Conservation Easement is not affect by this amendment.

WHEREAS, on July 21, 2014, a "Delegations of Authority and Designations of Responsibilities" memorandum was issued providing authority to the Regulatory Service Center Administrators or Bureau Chief for the purpose of "accepting or amending conservation easements that have been conveyed to the District in connection with the District's issuance of permits."

NOW, THEREFORE, for good and valuable consideration, the adequacy and receipt of which are hereby acknowledged, the District hereby amends the Conservation Easement to (include/delete) the above language.

IN WITNESS WHEREOF, the South Florida Water Management District has caused this Amendment of Conservation Easement to be executed in its name by WAYNE P. BLYTHE this 16 day of March, 2018.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

By: [Signature]
Title: Environmental Section Administrator

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 16th day of March 2018, by Wayne Blythe of the South Florida Water Management District, a public corporation of the State of Florida, on Behalf of the Corporation, who is personally known to me or produced driver's license number: Known to me



Notary Public: [Signature]
Print: Layle Knox
My Commission Expires: 4/21/20

OWNER:
[Signature]
Name (sign)
(FEWMAN)

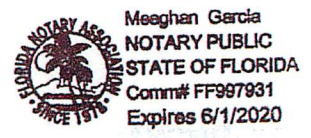
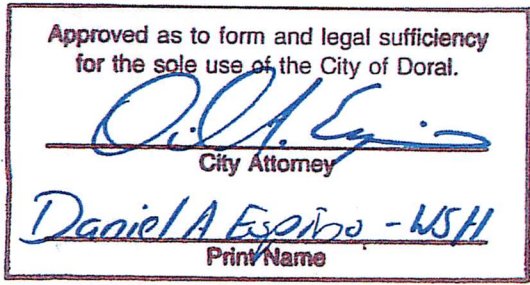
EDWARD A. ROJAS, CM
Name (print)

WITNESSES:
[Signature] Emi Weir
Name (print)
Barbara Hernandez Erin Weislow
Name (print)

STATE OF FLORIDA
COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me this 5th day of December, by Edward Rojas, who has produced (personally known) as identification.

Notary Public: [Signature]
Print: Meaghan Garcia
My Commission Expires: 6/1/2020



**South Florida Water Management District
Work Schedule Requirements**

Application No : 160718-5

Page 1 of 1

Mitigation Plan ID: DORAL GLADES PARK

Activity	Due Date
SUBMIT RECORDED CONSERVATION EASEMENT AMENDMENT	15-FEB-17
SUBMIT BASELINE MONITORING REPORT	01-DEC-18
COMPLETE PLANTING MITIGATION AREA	01-JAN-19
SUBMIT TIME ZERO MONITORING REPORT	01-JAN-19
SUBMIT FIRST MONITORING REPORT	01-JAN-20
SUBMIT SECOND MONITORING REPORT	01-JAN-21
SUBMIT THIRD MONITORING REPORT	01-JAN-22
SUBMIT FOURTH MONITORING REPORT	01-JAN-23
SUBMIT FIFTH MONITORING REPORT	01-JAN-24

STAFF REPORT DISTRIBUTION LIST

DORAL GLADES PARK

Application No: 160718-5

Permit No: 13-05474-P

INTERNAL DISTRIBUTION

- X Eduardo J. Lopez
- X Jeff Meyer
- X Carlos A. de Rojas, P.E.
- X Barbara J. Conmy
- X A. Waterhouse, P.E.
- X J. Markle, P.E.

EXTERNAL DISTRIBUTION

- X Permittee - City Of Doral
- X Agent - Giangrande Engineering & Planning
Consulting Civil Engineers

GOVERNMENT AGENCIES

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- X Department of Regulatory and Economic Resources
Lisa Spadafina
- X Department of Regulatory and Economic Resources
Mike Spinelli
- X Div of Recreation and Park - District 5 - Miranda
Cunningham, FDEP
- X Miami-Dade County - RER (Maria D. Molina, PE)

STAFF REPORT DISTRIBUTION LIST

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