

Memorandum



Date: July 8, 2021

To: Honorable Chairman Jose “Pepe” Diaz
and Members, Board of County Commissioners

From: Lourdes M. Gomez, Director 
Department of Regulatory and Economic Resources

Agenda Item No. 5(L)

Subject: Class I Permit Application by the Florida Department of Environmental Protection

Recommendation

I have reviewed the attached application for a Class I permit by the Florida Department of Environmental Protection (FDEP) and based upon the applicable evaluation factors set forth in Section 24-48.3 of the Code of Miami-Dade County (Code), I recommend that the Board of County Commissioners (Board) approve the issuance of a Class I permit for the reasons set forth below.

Pursuant to Ordinance No. 16-73, this quasi-judicial matter may be submitted directly for placement on the Board’s meeting agenda by the Director of the Department of Regulatory and Economic Resources (Department.)

Scope

The project site is located at 3400 Northeast 163 Street, North Miami, Florida, in Commission District 4, which is represented by Commissioner Sally A. Heyman.

Delegation of Authority

This item has no delegation of authority. Upon approval of this item, Section 24-48.2(C)(2) of the Code authorizes the Department to issue the permit, provided that other Code requirements are satisfied, such as submittal of final plans and bonds, and to require additional conditions, limitations, and restrictions if consistent with this Board’s approval.

Fiscal Impact/Funding Source

This resolution is a regulatory approval and does not have a fiscal impact.

Track Record/Monitor

The Coastal Resources Section Manager, McKee Gray, in the Department of Regulatory and Economic Resources, Division of Environmental Resources Management (DERM), will be responsible for monitoring the proposed permit.

Background

The subject Class I permit application requests authorization for the repair of three existing culverts within Oleta River State Park, to include the dredging and filling of halophytic (salt tolerant) wetlands and the removal of 3,728 square feet of mangrove canopy within a Coastal Band Community. The proposed project is required to be reviewed and approved by the Board at a public hearing because the trimming or alteration of mangroves within a Coastal Band Community is specifically referenced in Section 24-48.2 of the Code as work that shall be processed with a standard form application, including a public hearing.

The subject project areas consist of halophytic wetlands comprised of predominately red (*Rhizophora mangle*) mangrove forest within a Coastal Band Community in Oleta River State Park. The project

areas contain three existing damaged or non-functioning culverts used to connect the subject halophytic wetlands to Biscayne Bay. The failed culverts are preventing tidal flow into two areas within the park leading to stress and severe mangrove mortality within these areas. In order to restore tidal flow to the two wetland areas, FDEP is proposing to replace three culverts through the maintenance dredging of 4,600 square feet of accumulated wetland soils and the filling of 1,242 square feet of wetlands supporting halophytic vegetation, and the removal of 3,728 square feet of mangrove canopy. Dredging and filling work in wetlands or tidal waters for the sole purpose of environmental restoration or enhancement is work that is identified by the Code as work that can be processed administratively; however, this application is coming before the Board as the aforementioned work also involves the trimming of mangroves within a Coastal Band Community.

According to Section 24-48.3(2) of the Code, dredging and filling work proposed in a Class I permit application shall comply with at least one of the criteria listed in that section of the Code. The existing mangrove wetland areas are experiencing severe stress and mortality due to the failed culverts, resulting in degraded habitat function within the park. The proposed work would result in the minimal amount of dredging and filling of halophytic wetlands necessary to replace the culverts to re-establish tidal exchange and improve habitat function within the project areas. As the work is necessary to enhance the biological, chemical, or physical characteristics of adjacent waters, the proposed project complies with the requirements in Section 24-48.3(2)(e) of the Code.

Based on the reasons herein and in the Project Report, DERM recommends approval of the dredging and filling of halophytic wetlands and alteration of mangroves within a Coastal Band Community in association with the installation of three culverts.

Oleta River State Park is designated by the Miami-Dade County Comprehensive Development Master Plan (CDMP) as a Mangrove Protection Area. Trimming of mangroves within a Mangrove Protection Area must be consistent with the criteria outlined in the Coastal Management Element of the CDMP. The CDMP states that in areas classified as Mangrove Protection Areas, there shall be “no cutting, trimming, pruning or other alteration including dredging or filling of mangroves” unless the project is “(1) necessary to prevent or eliminate a threat to public health, safety or welfare; (2) water dependent; (3) required for natural system restoration and enhancement; or (4) clearly in the public interest; and where no reasonable upland alternative exists. In such cases, the trimming or alteration shall be kept to the minimum, and done in a manner, which preserves the functions of the mangrove system, and does not reduce or adversely affect habitat used by endangered or threatened species.” The proposed work is consistent with the CDMP as the work is the minimum necessary required for natural system restoration and enhancement as the culvert replacements would reestablish historic tidal flows into two areas of wetland habitat currently experiencing stress and mortality. In addition, it is reasonably expected that the restored tidal flow would result in enhanced faunal and floral habitat and improved water quality of the surrounding wetlands. As the intent of the proposed work is to restore historic tidal flows and the work must be completed in the wetlands, there is no reasonable upland alternative for the project. The proposed trimming and alteration have been minimized and would be done in a manner that preserves the function of the mangrove system and does not adversely affect habitat. The Class I permit would include authorization for future maintenance trimming and alteration of mangroves in the same configuration around the new culverts as that proposed under the subject application. This would allow FDEP to maintain appropriate clearance and hydrologic connection, should mangroves grow into the area around the culverts.

Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized. Section 24-48.4 of the Code also requires mitigation for permissible projects that otherwise result in unavoidable environmental impacts. The proposed culverts would be installed in generally the same footprint of the existing culverts with minor changes to the elevation and position in order to increase tidal flow and prevent future blockage. The project would result in the dredging of 4,600 square feet of accumulated wetland soils and the filling of 1,242 square feet of wetlands supporting halophytic vegetation, and the removal of 3,728 square feet of mangrove canopy within a Coastal Band Community. These impacts would be fully offset by the re-establishment of tidal exchange to improve water quality and habitat function within the project sites. Furthermore, the replacement of the culverts would result in the hydrological restoration and enhancement of approximately 26 acres (approximately 1.1 million square feet) of halophytic wetlands within Oleta River State Park and therefore, no additional mitigation would be required. The project area would be maintained free of exotic pest plants and nuisance species in accordance with the Class I permit conditions. Any temporary water quality impacts as a result of the construction activities would be minimized through the implementation of proper turbidity controls, including silt fencing, throughout construction operations to ensure that State and County water quality standards are met. In addition, any temporary staging areas would not be located within halophytic wetlands to avoid secondary impacts.

Please note that there are no riparian owners within 300 feet of the proposed project. Therefore, no riparian owners were notified.

The 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 also sets forth the reasons the proposed project is recommended for approval by DERM pursuant to the applicable evaluation factors and criteria as set forth in Section 24-48.3 of the Code. The conditions, limitations, and restrictions set forth in the Project Report attached hereto are incorporated herein by references hereto.

Attachments

- Attachment A: Class I Permit Application
- Attachment B: Owner/Agent Letter, Engineer Letter and Project Sketches
- Attachment C: Zoning Memorandum
- Attachment D: DERM Project Report

Attachment A
Class I Permit Application



Class I Permit Application

FOR DEPARTMENTAL USE ONLY	
Date Received: <div style="text-align: right; font-size: small;">(Updated 09/09)</div>	Application Number: Application Fee:

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

1. Applicant Information: Name: <u>Florida Department of Environmental Protection</u> Address: <u>3400 NE 163rd St</u> <u>North Miami Beach, FL</u> Zip Code: <u>33160</u> Phone #: <u>305-919-1846</u> Fax#: _____ Email: <u>Charles.E.Smith@dep.state.fl.us</u> <small>* This should be the applicant's information for contact purposes.</small>	2. Applicant's Authorized Permit Agent: <small>Agent is allowed to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.</small> Name: <u>Michael Burton</u> Address: <u>6900 Professional Parkway East</u> <u>Sarasota, FL</u> Zip Code: <u>34240</u> Phone #: <u>941-907-6900</u> Fax #: <u>941-907-6910</u> Email: <u>mike.burton@Stantec.com</u>
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3. Location where proposed activity exists or will occur (latitude and longitude are only necessary for properties without address or folio #):	
Folio #(s): <u>06-2222-000-001</u>	Latitude: <u>25.917822 N</u> Longitude: <u>80.131293 W</u>
Street Address: <u>3400 NE 163rd St</u>	Section: <u>15</u> Township: <u>52 S</u> Range: <u>42 E</u>
In City or Town: <u>North Miami Beach</u>	Near City or Town: _____
Name of waterway at location of the activity: <u>Drainage ditches where proposed work will occur discharge into Biscayne Bay</u>	

4. Describe the proposed activity (check all that apply):	
<input type="checkbox"/> Seawall <input type="checkbox"/> New/Replacement Seawall <input type="checkbox"/> Seawall Cap <input type="checkbox"/> Batter Piles <input type="checkbox"/> King Piles <input type="checkbox"/> Footer/Toe Wall <input type="checkbox"/> Riprap	<input type="checkbox"/> Dock(s) <input type="checkbox"/> Pier(s) <input type="checkbox"/> Viewing Platform
<input type="checkbox"/> Boatlift <input type="checkbox"/> Mooring Piles <input type="checkbox"/> Fender Piles <input type="checkbox"/> Davits	<input checked="" type="checkbox"/> Dredging <input checked="" type="checkbox"/> Maintenance <input type="checkbox"/> New <input type="checkbox"/> Filling
<input checked="" type="checkbox"/> Mangrove Trimming <input checked="" type="checkbox"/> Mangrove Removal	
<input checked="" type="checkbox"/> Other: <u>The replacement of four existing, non-functioning culverts with three culverts in three different locations within the drainage ditches internal to Oleta River State Park to restore the tidal exchange to two mangrove wetlands that are currently experiencing stress and mortality totaling approximately 26 acres.</u>	
Estimated project cost = \$ <u>160,000</u>	
Are you seeking an after-the-fact approval (ATF)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes", describe the ATF work: _____	

5. Proposed Use (check all that apply): <input type="checkbox"/> Single Family <input type="checkbox"/> Multi-Family <input type="checkbox"/> Private <input checked="" type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Utility	6. If the proposed work relates to the mooring of vessels provide the following information (please also indicate if the applicant does not have a vessel): Proposed Vessel Type (s): <u>N/A</u> Vessel Make/Model (If known): _____ Draft (s)(range in inches.): _____ Length (s)(range in feet.): _____ Total Number of Slips: _____
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7. List all permits or certifications that have been applied for or obtained for the above referenced work:				
Issuing Agency	Type of Approval	Identification Number	Application Date	Approval Date
SFWMD	General Permit (62-330.485)	TBD		TBD
USACE	Nationwide Permit 27	TBD		TBD

8. Contractor Information (If known):

Name: TBD License # (County/State): _____
 Address: _____ Zip Code: _____
 Phone #: _____ Fax #: _____ E-mail: _____

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

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

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

A. IF APPLICANT IS AN INDIVIDUAL

Signature of Applicant _____ Print Applicant's Name _____ Date _____

B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON

(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Florida Department of Environmental Protection _____ Agency of State of Florida _____
 Print Name of Applicant (Enter the complete name as registered) _____ Type (Corp, LLC, LLP, etc.) _____ State of Registration/Incorporation _____

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

 _____ Charles Smith _____ Park Manager _____
 Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____

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

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

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

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

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

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

Attachment B

Owner/Agent Letter, Engineer Letter and Project Sketches

PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT

Date: November 6, 2020

Miami Dade County Department of Regulatory and Economic Resources
Class I Permitting Program
701 NW 1st Court
Miami, FL 33136

Re: Class I Standard Form Permit Application Number CLI-2020-0227

By the attached Class I Standard Form permit application with supporting documents, I, Michael Burton, am the authorized agent and hereby request permission to perform the work associated with Class I Permit Application CLI-2020-0227. 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 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. The permit applicant will secure the services of an engineer licensed in the State of Florida to conduct inspections throughout the construction period, and said engineer shall prepare all required drawings of record. In the event that the proposed work which is the subject of this Class I Permit application involves the cutting or trimming of a mangrove tree(s), a detailed plan of the proposed cutting or trimming shall be prepared by a licensed landscape architect and submitted to the Department for review and approval, and the permit applicant will secure the services of a licensed landscape architect to supervise the trimming or cutting.

Respectfully submitted,



Michael Burton, Authorized Agent
Senior Principal, Stantec Consulting Services Inc.

ENGINEER LETTER OF CERTIFICATION



Stantec Consulting Services Inc.
6900 Professional Parkway East
Sarasota, FL 34240
Tel: (941) 907-6900, Fax: (941) 907-6910

March 10, 2021

File: 177311483

Miami-Dade County RER
Class I Permitting Program
701 NW 1ST Court
Miami, FL 33136

Reference: Class I Permit Application Number CLI-2020-0227
Oleta River State Park Mangrove Restoration

Ladies and Gentlemen:

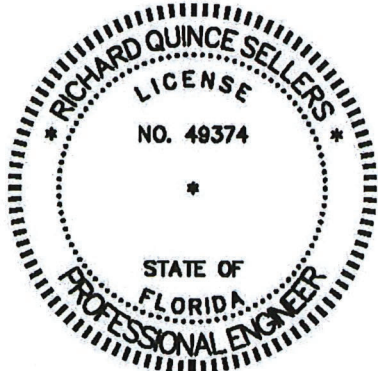
This letter will certify that I am an engineer licensed in the State of Florida, qualified by education and experience in the area of engineering design and inspection, and that to the best of my knowledge and belief, the proposed work does not violate any laws, rules or regulations of the State of Florida 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 of 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, certified surveys, drawings, and other data furnished by the contractor to me.

Sincerely,

STANTEC CONSULTING SERVICES INC.



**Richard Q
Sellers**

Digitally signed by
Richard Q Sellers
Date: 2021.03.10 11:29:47
-05'00'

This item has been digitally signed and sealed by Richard Quince Sellers, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

R. Quince Sellers, P.E.
Senior Project Engineer
FL P.E. License No 49374

OLETA RIVER STATE PARK MANGROVE RESTORATION

SECTION 15 AND 22, TOWNSHIP 52 SOUTH, RANGE 42 EAST,
MIAMI DADE COUNTY, FLORIDA

CLIENT:

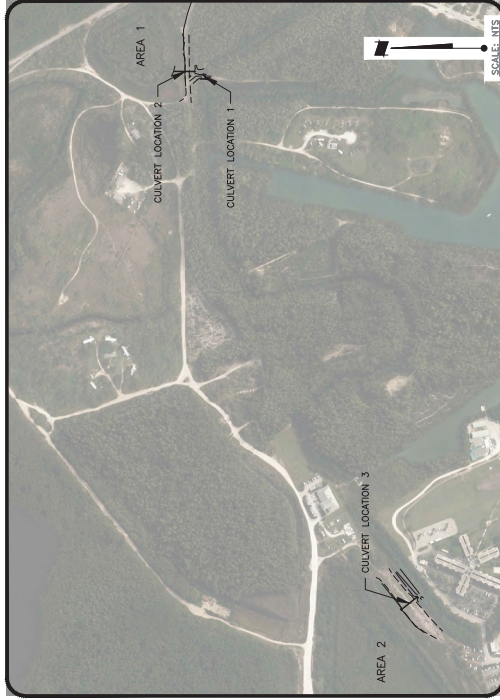
FLORIDA FISH AND WILDLIFE
CONSERVATION COMMISSION
1875 EAST ORANGE AVE.
TALLAHASSEE, FL 32301

CULVERT REPLACEMENT CONSTRUCTION PLANS FOR

NOTES

- GENERAL SITE CONSTRUCTION NOTES:**
- PRE-EXISTING UTILITIES LOCATED BY THE CONTRACTOR WORKING ON THIS SITE SHALL BE GREAT CARE IN AVOIDING UNNECESSARY IMPACTS TO UTILITIES.
 - THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND LOCATION OF PRE-EXISTING UTILITIES. CONTRACTORS ARE DIRECTED TO BRING TO THE ATTENTION OF THE PROJECT MANAGER ANY DISCREPANCIES OR UNUSUAL CONDITIONS THAT MAY BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
 - BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770), MIAMI DADE COUNTY DEPARTMENT OF REGULATION & ECONOMIC RESOURCES (DERM), CITY OF NORTH MIAMI PUBLIC WORKS, ANY OTHER AGENCIES WITHIN THE PROJECT AREA, AND THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE. (SUNSHINE STATE ONE CALL: 1-800-432-4770).
 - IF HUMAN REMAINS OR ARCHAEOLOGICAL REMAINS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE COUNTY PROJECT MANAGER AND FLORIDA DEPARTMENT OF STATE DIVISION OF HISTORICAL RESOURCES.
 - The coordinates and bearings shown hereon are relative to the Florida State Plane Coordinate System, East Zone, North American Datum of 1983, 1990 adjustment (NAD83/90), bearing true. All distances shown hereon are in U.S. Survey feet unless otherwise noted. (FIPS AC3638). All distances shown hereon are in U.S. Survey feet unless otherwise noted.
 - Elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 88), based upon the following benchmarks, as published by the National Geospatial Survey (NGS):
 (161349) 24.44' NAVD 88 EL. = 26.79'
 (161350) 29.11' NAVD 88 EL. = 28.36'
 (161351) 29.11' NAVD 88 EL. = 28.36'
 +1.57', based upon their NGS data sheets.
 - THE MEAN HIGH WATER (MHW) ELEVATION IS 0.20 FEET NAVD88 AND THE MEAN LOW WATER (MLW) ELEVATION IS -0.20 FEET NAVD88. ALL ELEVATIONS ARE BASED ON THE STATION HULLOVER - INTERSECTION, WATERWAY (JOB STATION NO. 872-3073).
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE AND VERIFY ALL CUT AND FILL QUANTITIES OF EARTHWORK FOR THE PROJECT. A BALANCING/COMPARISON FACTOR SHOULD BE TAKEN INTO ACCOUNT WHEN FURNISHING VOLUMES OF FILL PLACEMENT.
 - ALL EXISTING UTILITIES AND OBSTRUCTIONS SHALL BE STABILIZED AND MAINTAINED UNTIL MADE ALLOWANCES WHEN TROUGH GRADING FOR THE PROPOSED ROADS IN THESE AREAS. CONTRACTOR SHALL DETERMINE THE PROPER GRADING FOR THESE AREAS.
 - POST GRADING SOIL CONDITIONS SHALL BE APPROPRIATE FOR PLANTING WITH LIMITED COMPACTION AS DETERMINED BY PROJECT ECOLOGIST.
 - THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS, STORMWATER PERMITTING FOR CONSTRUCTION SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR THE APPLICABLE PERMITTING APPLICATION AND SUPPORTING DOCUMENTATION.
 - TEMPORARY STAGING AREAS SHALL NOT BE LOCATED WITHIN A WETLAND.

SITE LOCATION MAP



SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SITE AERIAL PHOTOGRAPH AND CONTOUR MAP
3	CULVERT LOCATION 1 & 2 EXISTING CONDITIONS SITE PLAN
4	CULVERT LOCATION 3 EXISTING CONDITIONS SITE PLAN
5	CULVERT LOCATIONS 1-3 EXISTING CONDITIONS SECTIONS
6	CULVERT LOCATION 1 & 2 PROPOSED SITE PLAN
7	CULVERT LOCATION 3 PROPOSED SITE PLAN
8	CULVERT LOCATIONS 1-3 PROPOSED SECTIONS
9	CONSTRUCTION DETAILS
10	BEST MANAGEMENT PRACTICE PLAN CULVERT LOCATION 1 & 2
11	BEST MANAGEMENT PRACTICE PLAN CULVERT LOCATION 3
12	BEST MANAGEMENT PRACTICE DETAILS

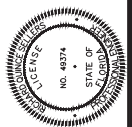
NO.	DATE	DESCRIPTION	BY
08/24/20	08/24/20	ISSUE FOR PERMITS	867/01011

STATUS : REVISIONS	
ENGINEERING TECH	PROJECT ECOLOGIST

DATE	CHECKED BY

6900 Professional Parkway East, Sarasota, FL 34240-8414
Phone 941-907-6900 • Fax 941-907-6910
Certificate of Authorization #27013 • www.stantec.com

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.



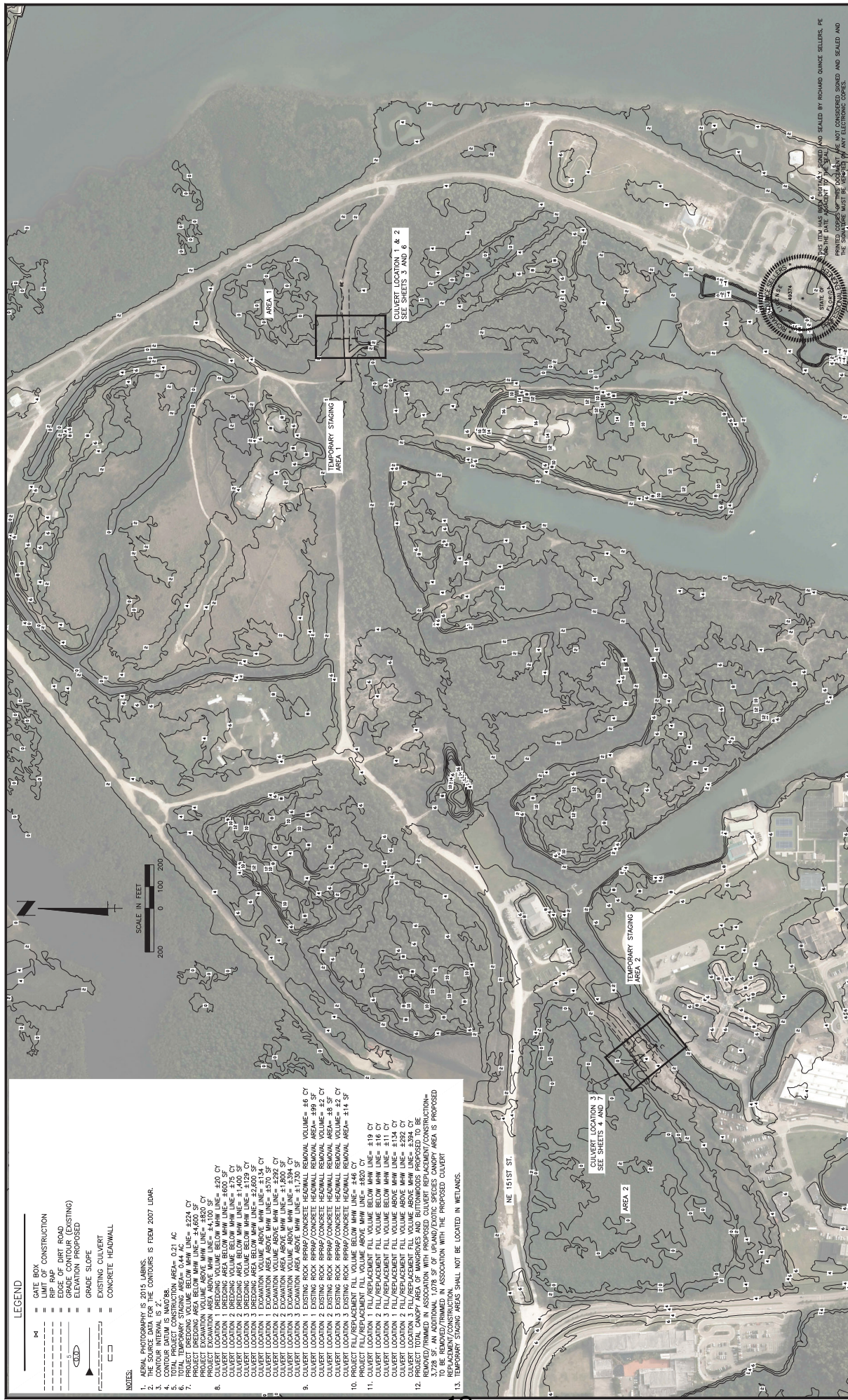
RESERVED FOR STATUS AND DATE STAMPS

PROJECT NUMBER
177311483

INDEX NUMBER
D-177311483-01C-001

DATE
JUNE 2020

PROJECT MANAGER
R. CHANCE SELLES, P.E.
FLORIDA LICENSE NO. 68374



- ### LEGEND
- GATE BOX CONSTRUCTION
 - RIP RAP CONSTRUCTION
 - EDGE OF DIRT ROAD
 - GRADE CONTOUR (EXISTING)
 - GRADE CONTOUR (PROPOSED)
 - GRADE SLOPE
 - ASPHALT CULVERT
 - CONCRETE HEADWALL

- ### NOTES:
1. AERIAL PHOTOGRAPHY IS 2015 LARNS.
 2. THE SOURCE DATA FOR THE CONTOURS IS FROM 2007 LIDAR.
 3. CONTOUR INTERVAL IS 2.0'
 4. TOTAL PROJECT CONSTRUCTION AREA= 0.21 AC
 5. TOTAL TEMPORARY STAGING AREA= 0.44 AC
 6. PROJECT DREDGING AREA BELOW MHW LINE= 4,400 SF
 7. PROJECT EXCAVATION AREA BELOW MHW LINE= 4,350 SF
 8. PROJECT DREDGING AREA ABOVE MHW LINE= 4,350 SF
 9. PROJECT EXCAVATION AREA ABOVE MHW LINE= 4,350 SF
 10. PROJECT FILL/REPLACEMENT FILL VOLUME BELOW MHW LINE= 2,200 CY
 11. PROJECT FILL/REPLACEMENT FILL VOLUME ABOVE MHW LINE= 2,200 SF
 12. PROJECT TOTAL CANOPY AREA OF MANGROVES AND BUTTWOODS PROPOSED TO BE REMOVED/TRIMMED IN ASSOCIATION WITH THE PROPOSED CULVERT IS 3,728 SF. AN ADDITIONAL 1,078 SF OF UPRAND/LOTIC SPECIES CANOPY AREA IS PROPOSED TO BE REMOVED/TRIMMED IN ASSOCIATION WITH THE PROPOSED CULVERT.
 13. TEMPORARY STAGING AREAS SHALL NOT BE LOCATED IN WETLANDS.

NO.	DESCRIPTION	DATE	BY	APPROVED BY
1	REVISION NOTE 8. INSERT NEW FILL NOTES AS NOTED PER DERM	2/09/21	R02/89561	R02/89561
2	REVISION NOTE 10 PER DERM	1/08/21	R02/101311	R02/89561
3	ADD NOTES PER DERM	8/24/20	R02/101311	R02/89561
4	NO. 1	DATE	NAME # / JOB NO. RECORD # / JOB NO.	DATE

DATE	6/20/20
DESIGNED BY	R02/89561
CHECKED BY	R02/89561
DRAWN BY	R02/89561
SCALE	AS SHOWN
DATE	6/20/20
APPROVED BY:	(Signature)

NO. 1	DATE	NAME # / JOB NO. RECORD # / JOB NO.	DATE

DATE	6/20/20
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APPROVED BY:	(Signature)

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APPROVED BY:	(Signature)

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APPROVED BY:	(Signature)

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APPROVED BY:	(Signature)

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SCALE	AS SHOWN
DATE	6/20/20
APPROVED BY:	(Signature)

DATE	6/20/20
DESIGNED BY	R02/89561
CHECKED BY	R02/89561
DRAWN BY	R02/89561
SCALE	AS SHOWN
DATE	6/20/20
APPROVED BY:	(Signature)

DATE	6/20/20
DESIGNED BY	R02/89561
CHECKED BY	R02/89561
DRAWN BY	R02/89561
SCALE	AS SHOWN
DATE	6/20/20
APPROVED BY:	(Signature)

DATE	6/20/20
DESIGNED BY	R02/89561
CHECKED BY	R02/89561
DRAWN BY	R02/89561
SCALE	AS SHOWN
DATE	6/20/20
APPROVED BY:	(Signature)

DATE	6/20/20
DESIGNED BY	R02/89561
CHECKED BY	R02/89561
DRAWN BY	R02/89561
SCALE	AS SHOWN
DATE	6/20/20
APPROVED BY:	(Signature)

CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
 PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION

TITLE: SITE AERIAL PHOTOGRAPH AND CONTOUR MAP

DRAWN BY: R02/89561
 CHECKED BY: R02/89561
 DATE: 6/20/20

PROJECT NUMBER: 177311483
 SHEET NUMBER: 2 OF 12

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED BY ANY ELECTRONIC COPIES.

STATE OF FLORIDA
 COUNTY OF DADE
 ENGINEER
 40374

AND SEALED BY RICHARD QUINN SELLERS, PE
 LICENSE NO. 12164
 EXPIRES 06/30/24

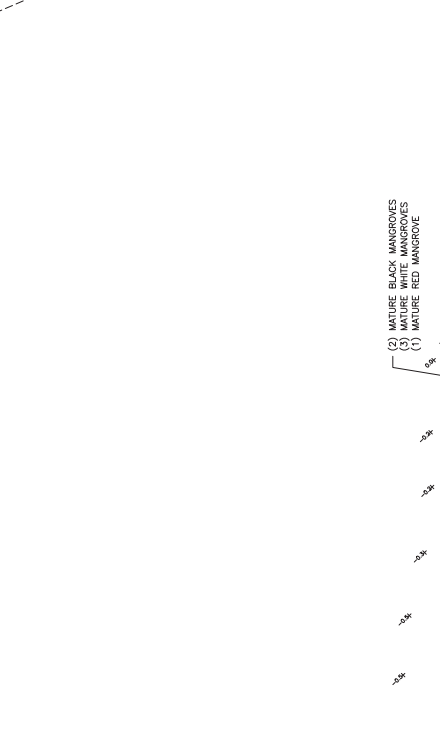
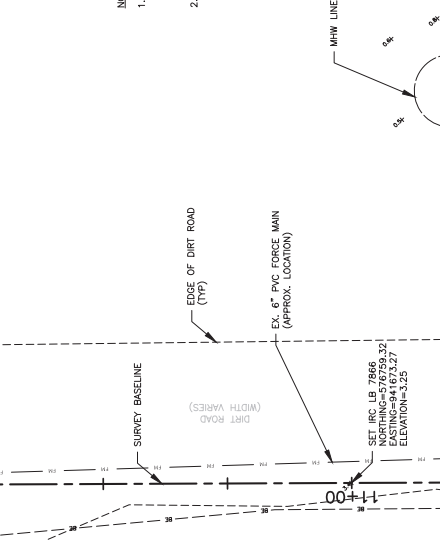
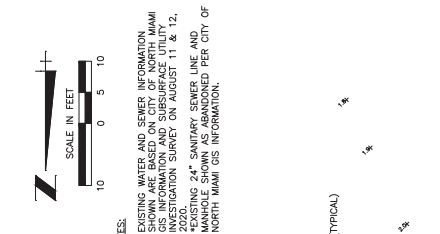
STANTEC
 1000 Pennsylvania Drive, Suite 100, Fort Lauderdale, FL 33304
 (954) 341-1000
 Florida Professional Engineer License No. 12164
 Florida Professional Surveyor License No. 12164
 Florida Professional Land Surveyor License No. 12164

LEGEND

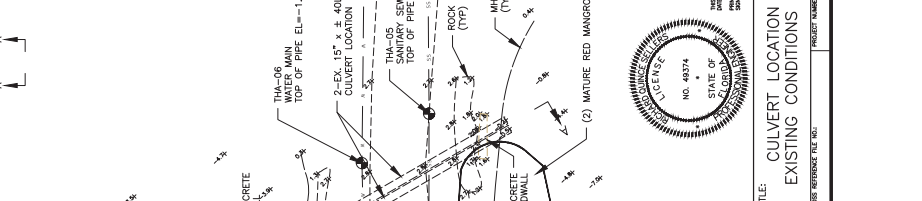
- EXISTING HARD SURFACE
- EXISTING SOFT SURFACE
- APPROXIMATE
- ELLIPTICAL
- REINFORCED CONCRETE PIPE
- EXISTING
- PROPOSED
- GRADE
- INVERT
- LOCATION
- EXISTING GRADE
- MITERED END SECTION
- MEAN HIGH WATER
- NATURAL GROUND
- PROPOSED
- REINFORCED CONCRETE PIPE
- SQUARE FEET
- STORM STRUCTURE
- VALVE BOX
- EXISTING SEWER MANHOLE
- PROPOSED SEWER MANHOLE
- EXISTING FORCE MAIN
- PROPOSED FORCE MAIN
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- GRADE CONTOUR (EXISTING)
- GRADE CONTOUR (PROPOSED)
- GRADE SLOPE
- EXISTING CULVERT
- PROPOSED CULVERT
- THA-XX - SUBSURFACE UTILITY TEST HOLE
- SECTION ID

NOTES:

- EXISTING WATER AND SEWER INFORMATION SHOWN ARE BASED ON CITY OF NORTH MIAMI GIS INFORMATION AND SUBSURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
- EXISTING 24" SANITARY SEWER LINE AND 8" WATER MAIN ARE NOT SHOWN PER CITY OF NORTH MIAMI GIS INFORMATION.



DATE:	12/2020	NO.	177311483
TITLE:	CULVERT LOCATION 1 & 2 EXISTING CONDITIONS SITE PLAN		
CLIENT:	FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION		
PROJECT:	OLETA RIVER STATE PARK MANGROVE RESTORATION		
DESIGNED BY:	RSJ/RSJ	DATE:	8/2/2020
DRAWN BY:	KG/10/15/11	DATE:	6/2/2020
CHECKED BY:	RSJ/RSJ	DATE:	8/2/2020
APPROVED BY:	KG/10/15/11	DATE:	8/2/2020
SCALE:	AS SHOWN	PROJECT NUMBER:	177311483
SHEET NUMBER:			3 OF 12



Stantec
100 Pine Street, Suite 1800
Tallahassee, FL 32309
TEL: 904.437.8800
WWW.STANTEC.COM

Activity

DESIGNED BY: RSJ/RSJ

DRAWN BY: KG/10/15/11

CHECKED BY: RSJ/RSJ

APPROVED BY: KG/10/15/11

DATE: 8/2/2020

Client

FLORIDA FISH AND WILDLIFE
CONSERVATION COMMISSION

Project

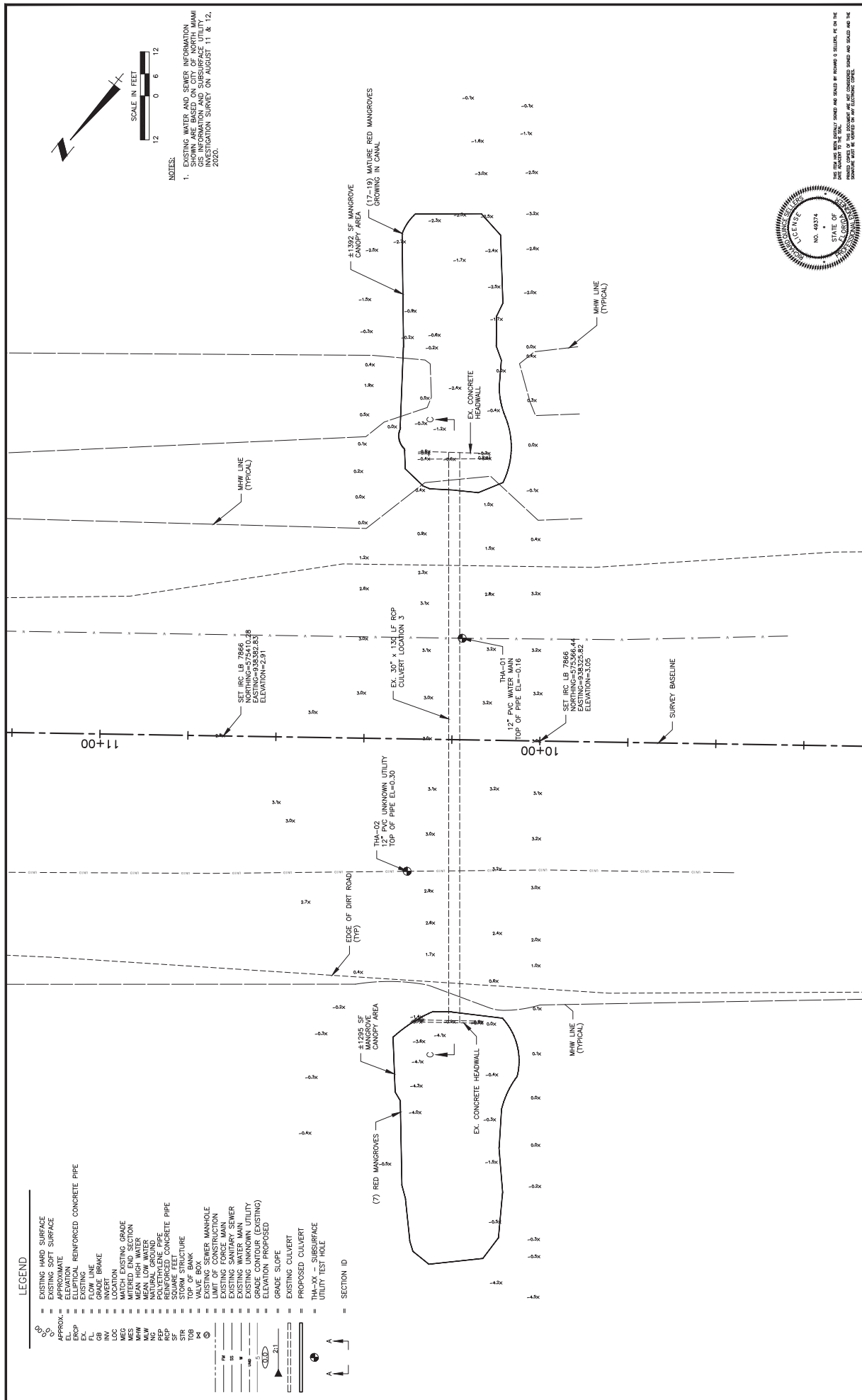
OLETA RIVER STATE PARK
MANGROVE RESTORATION

Title

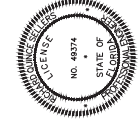
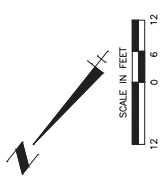
CULVERT LOCATION 1 & 2
EXISTING CONDITIONS SITE PLAN

THE INFORMATION CONTAINED HEREON AND ANY PART THEREOF IS THE PROPERTY OF STANTEC CONSULTANTS INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, DISTRIBUTED, DISSEMINATED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STANTEC CONSULTANTS INC. © 2020 STANTEC CONSULTANTS INC.

- ### LEGEND
- EXISTING HARD SURFACE
 - EXISTING SOFT SURFACE
 - APPROXIMATE
 - ELLIPTICAL REINFORCED CONCRETE PIPE
 - EXISTING REINFORCED CONCRETE PIPE
 - EXISTING MANHOLE
 - INVERT
 - LOCATION OF EXISTING GRADE
 - MITERED END SECTION
 - MEAN HIGH WATER
 - MHW
 - NATURAL GROUND
 - REINFORCED CONCRETE PIPE
 - SQUARE FEET
 - TOWER STRUCTURE
 - VALVE BOX
 - EXISTING SEWER MANHOLE
 - EXISTING MANHOLE
 - EXISTING FORCE MAIN
 - EXISTING SANITARY SEWER
 - EXISTING WATER MAIN
 - UTILITY
 - GRADE CONTOUR (EXISTING)
 - ELEVATION PROPOSED
 - GRADE SLOPE
 - EXISTING CULVERT
 - PROPOSED CULVERT
 - THA-XX - SUBSURFACE UTILITY TEST HOLE
 - SECTION ID

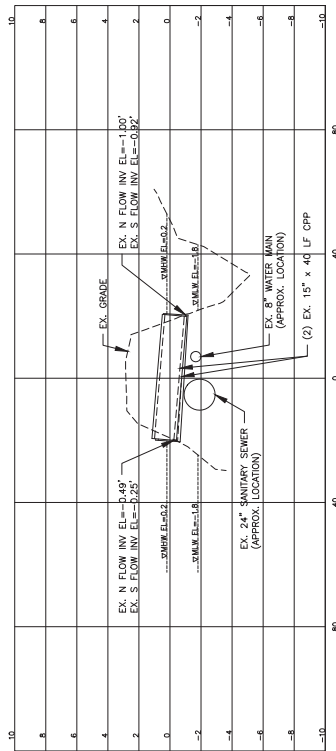


NOTES:
 1. EXISTING WATER AND SEWER INFORMATION IS BASED ON THE 2016 AND 2020 (MHW) GIS INFORMATION AND SUBSURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.



THIS PLAN WAS PREPARED BY THE SURVEYOR AND SHALL BE VALID FOR THE DATE AND SCALE SHOWN ON THE SURVEY. THE SURVEYOR'S OFFICE SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THIS PLAN. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE INFORMATION ON THIS PLAN FOR THE INTENDED USE.

DATE: 8/24/20 DRAWN BY: [Name]	REVISED BY: [Name]	DATE: 6/2/2020	DATE: 6/2/2020	 Stantec 300 Piedmont Parkway, Suite 100, Tallahassee, FL 32304 Tallahassee, FL 32304 Phone: (904) 432-2323 Fax: (904) 432-2324 Email: [Email] Website: [Website]	CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION	TITLE: CULVERT LOCATION 3 EXISTING CONDITIONS SITE PLAN PROJECT NUMBER: 177311483 SHEET NUMBER: 4 of 12
	DESIGNED BY: [Name] CHECKED BY: [Name] DATE: 8/24/20	REVISED BY: [Name] DATE: 6/2/2020	PROJECT NO.: [Number] SHEET NO.: [Number]			

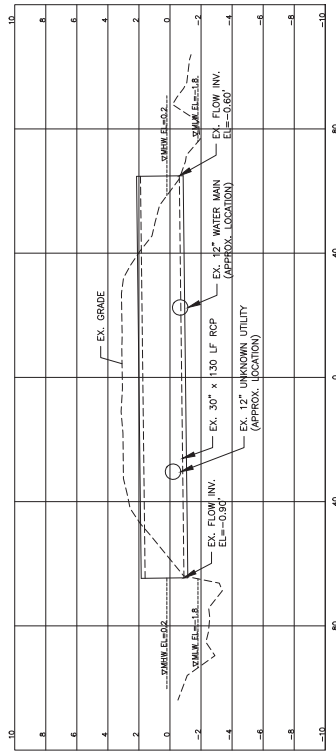


A-A SECTION (CULVERT LOCATION 1)

1"=20' (HORIZ)
1"=4' (VERT)

NOTES:

1. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON SURFACE ELEVATIONS SHOWN ON THE SOUTH END OF CULVERT SIZE, LENGTH, AND INVERT ELEVATIONS SHOWN ARE FROM DEEM AUGUST 2011 OLETA CROSSING PROJECT MODELING REPORT EXISTING CONDITIONS DATA.
2. EX. SANITARY SEWER ELEVATION IS BASED ON THA-05 TOP OF PIPE CROSSING.
3. EX. WATER MAIN ELEVATION IS BASED ON THA-00 TOP OF PIPE CROSSING.
4. ELEVATION=-1.33' WHICH IS 46.3' SOUTH OF STORM PIPE CROSSING.

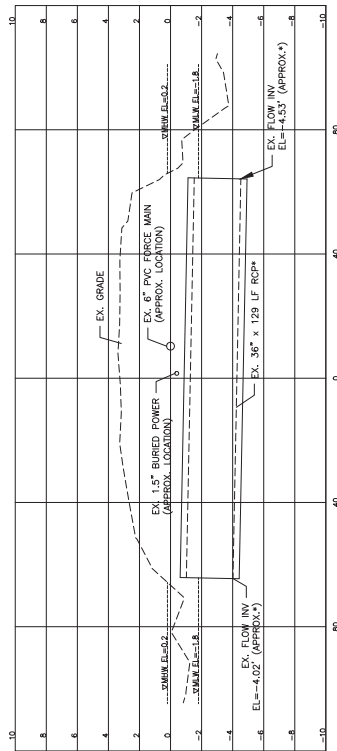


C-C SECTION (CULVERT LOCATION 3)

1"=20' (HORIZ)
1"=4' (VERT)

NOTES:

1. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON SURFACE ELEVATIONS SHOWN ON THE SOUTH END OF CULVERT SIZE, LENGTH, AND INVERT ELEVATIONS SHOWN ARE FROM DEEM AUGUST 2011 OLETA CROSSING PROJECT MODELING REPORT EXISTING CONDITIONS DATA.
2. UNKNOWN PIPE ELEVATION BASED ON THA-02 TOP OF PIPE CROSSING.
3. EX. 12" WATER MAIN ELEVATION IS BASED ON THA-01 TOP OF PIPE CROSSING.
4. ELEVATION=-0.16 WHICH IS 41.8' SOUTHWEST OF STORM PIPE CROSSING.



B-B SECTION (CULVERT LOCATION 2)

1"=20' (HORIZ)
1"=4' (VERT)

NOTES:

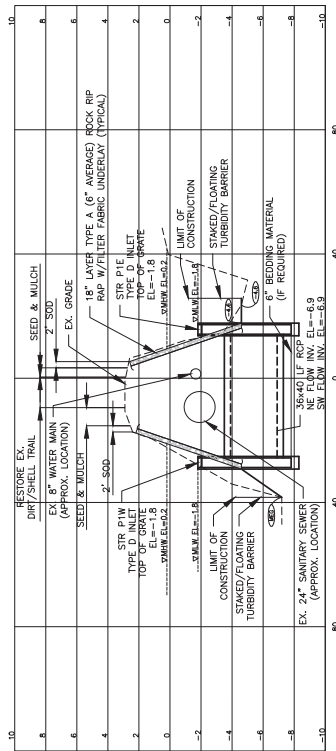
1. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON SURFACE ELEVATIONS SHOWN ON THE SOUTH END OF CULVERT SIZE, LENGTH, AND INVERT ELEVATIONS SHOWN ARE FROM DEEM AUGUST 2011 OLETA CROSSING PROJECT MODELING REPORT EXISTING CONDITIONS DATA.
2. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON SURFACE ELEVATIONS SHOWN ON THE SOUTH END OF CULVERT SIZE, LENGTH, AND INVERT ELEVATIONS SHOWN ARE FROM DEEM AUGUST 2011 OLETA CROSSING PROJECT MODELING REPORT EXISTING CONDITIONS DATA.
3. EX. BURIED POWER ELEVATION IS BASED ON THA-04 TOP OF PIPE CROSSING.
4. EX. FORCE MAIN ELEVATION IS BASED ON THA-03 TOP OF PIPE CROSSING.



DATE: 6/2/2020 DESIGNED BY: RDS/RS/SEI CHECKED BY: RDS/RS/SEI DATE: 6/2/2020	ACTIVITY: MANGROVE RESTORATION	MUNICIPALITY NO.: 6/2020	DATE: 6/2/2020	CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION	TITLE: CULVERT LOCATION 1-3 EXISTING SITE CONDITIONS SECTIONS	PROJECT NUMBER: 177311483	SHEET NUMBER: 5 OF 12
ADD NOTES AND UPDATE UTILITIES SECTION							



THIS DRAWING HAS BEEN EXAMINED AND FOUND TO BE IN ACCORDANCE WITH THE PROFESSIONAL ENGINEERING ACT AND RULES OF THE BOARD OF PROFESSIONAL ENGINEERS, STATE OF FLORIDA.

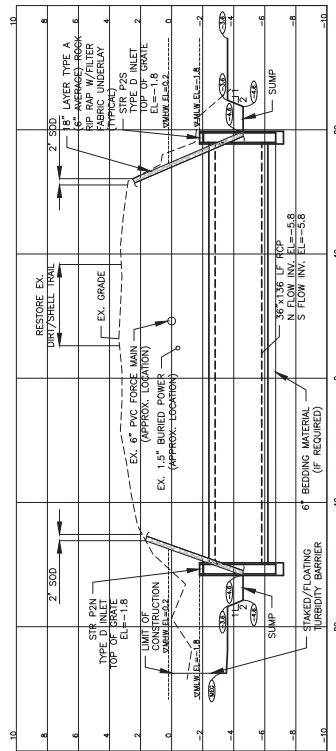


A-A SECTION (CULVERT LOCATION 1)

1"-20" (HORZ.)
1"-4" (VERT.)

NOTES:

1. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON RECORD DRAWINGS AND SURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
2. ALL LOCATIONS, DIMENSIONS, AND ELEVATIONS OF EXISTING UTILITIES IN THIS DRAWING ARE APPROXIMATE AND BASED ON SURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
3. INSTALL 2' WIDE STRIP OF SOD AROUND EDGE OF RIP RAP ABOVE MHW.
4. LINE & MULCH ALL DISTURBED AREAS ABOVE MHW THAT ARE NOT HARDSCAPED, SOODED, OR IDENTIFIED AS DIRT/SHELL TRAILS.

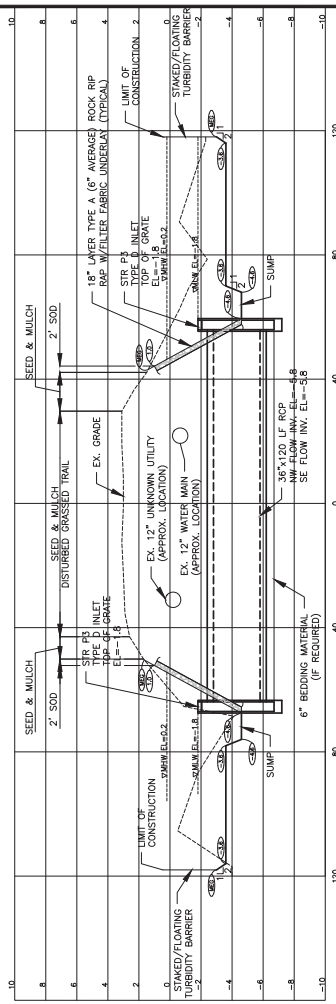


B-B SECTION (CULVERT LOCATION 2)

1"-20" (HORZ.)
1"-4" (VERT.)

NOTES:

1. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON RECORD DRAWINGS AND SURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
2. ALL LOCATIONS, DIMENSIONS, AND ELEVATIONS OF EXISTING UTILITIES IN THIS DRAWING ARE APPROXIMATE AND BASED ON SURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
3. INSTALL 2' WIDE STRIP OF SOD AROUND EDGE OF RIP RAP ABOVE MHW.
4. LINE & MULCH ALL DISTURBED AREAS ABOVE MHW THAT ARE NOT HARDSCAPED, SOODED, OR IDENTIFIED AS DIRT/SHELL TRAILS.



C-C SECTION (CULVERT LOCATION 3)

1"-20" (HORZ.)
1"-4" (VERT.)

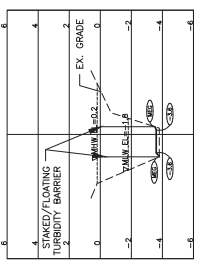
NOTES:

1. EXISTING WATER AND SEWER INFORMATION IS APPROXIMATE AND BASED ON RECORD DRAWINGS AND SURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
2. ALL LOCATIONS, DIMENSIONS, AND ELEVATIONS OF EXISTING UTILITIES IN THIS DRAWING ARE APPROXIMATE AND BASED ON SURFACE UTILITY INVESTIGATION SURVEY ON AUGUST 11 & 12, 2020.
3. INSTALL 2' WIDE STRIP OF SOD AROUND EDGE OF RIP RAP ABOVE MHW.
4. LINE & MULCH ALL DISTURBED AREAS ABOVE MHW THAT ARE NOT HARDSCAPED, SOODED, OR IDENTIFIED AS DIRT/SHELL TRAILS.

PROPOSED CULVERT GEO-COORDINATES TABLE

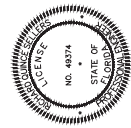
END OF CULVERT ID/LOC.	NORTHING	EASTING	LATITUDE	LONGITUDE
P1/NE	576648.19	941613.19	N25° 55' 02.97"	W80° 07' 53.60"
P1/SW	576641.82	941573.70	N25° 55' 46.37"	W80° 07' 54.03"
P2/N	576832.28	941633.07	N25° 55' 04.79"	W80° 07' 53.37"
P2/S	576696.48	941625.71	N25° 55' 03.45"	W80° 07' 54.46"
P3/E	576533.49	938375.65	N25° 54' 50.09"	W80° 08' 28.92"
P3/S	576533.49	938375.65	N25° 54' 50.09"	W80° 08' 28.14"

NOTES: P1=CULVERT 1, P2=CULVERT 2, P3=CULVERT 3, S= SOUTH, SW=SOUTHWEST
LOC.=LOCATION, N=NORTH, NE=NORTHEAST, S=SOUTH, SW=SOUTHWEST



D-D SECTION DITCH CLEANING

1"-20" (HORZ.)
1"-4" (VERT.)

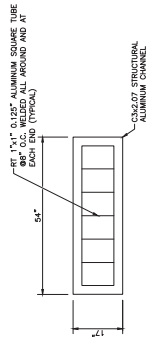


DATE: 6/2/2020	TITLE: CULVERT LOCATION 1-3 PROPOSED SECTIONS	PROJECT NUMBER: 177311483
DESIGNED BY: RSG/RSE/6/2/2020	CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION	PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION
CHECKED BY: RSG/RSE/6/2/2020	PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION	PROJECT NUMBER: 177311483
DATE: 6/2/2020	PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION	PROJECT NUMBER: 177311483

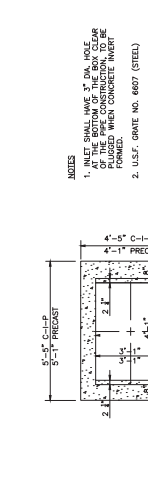
ADD TURBIDITY BARRIER/FENCE & SPRING GALLIE PER DEMO	DATE: 1/06/21	BY: RSG/10/15/11	REVISION: RSG/6/9/51
REVISE CULVERT TABLE	DATE: 1/13/20	BY: RSG/10/15/11	REVISION: RSG/6/9/51
ADD NOTES, UPDATE UTILITIES, AND GEO-COORDINATE TABLE	DATE: 8/24/20	BY: RSG/10/15/11	REVISION: RSG/6/9/51
REASON:	DATE:	BY:	REVISION:



NO. 1	DATE: 6/2/2020	BY: RSG/RSE/6/2/2020
NO. 2	DATE: 6/2/2020	BY: RSG/RSE/6/2/2020
NO. 3	DATE: 6/2/2020	BY: RSG/RSE/6/2/2020
NO. 4	DATE: 6/2/2020	BY: RSG/RSE/6/2/2020



BAR SCREEN TYPICAL DETAIL
N.T.S.

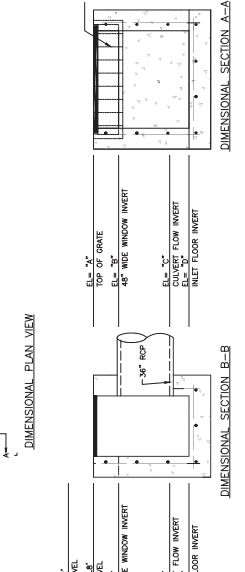


F.D.O.T. TYPE "D" STRUCTURE TYPICAL DETAIL
N.T.S.

- NOTES
1. INLET SHALL HAVE 3" DIA. HOLE AT THE BOTTOM OF THE BOX TO BE FOUNDED WHEN CONCRETE IS INVERT.
 2. U.S.F. GRADE NO. 6607 (STEEL).
 3. CONSTRUCTION TO BE WITH 2" STEEL REINFORCING BARS (ASTM A618-70) ALL STEEL SHALL BE 2" CLEAR UNLESS OTHERWISE DETERMINED BY ENGINEER.
 4. 3/4" CHAMFER ALL EXPOSED EDGES.
 5. 3000 PSI CONCRETE @ 28 DAYS.
 6. POURED CONCRETE INVERT AFTER INLET IS PLACED IN GROUND.
 7. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET WITH ASTM A618-70-70K ALL STEEL SHALL BE 2" CLEAR UNLESS OTHERWISE DETERMINED BY ENGINEER.
 8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.

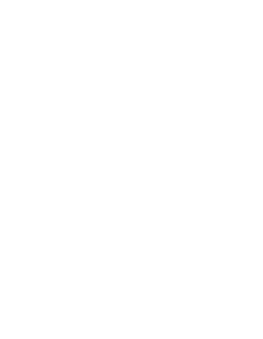
F.D.O.T. TYPE "D" STRUCTURE TYPICAL DETAIL
N.T.S.

TYPE "D" STRUCTURE DIMENSION TABLE	D
CON	-1.8
PTW	-3.3
PTE	-1.8
PSN	-1.8
PSN	-1.8
P.S.	-1.8



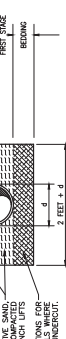
F.D.O.T. TYPE "D" STRUCTURE DIMENSIONAL DETAIL
N.T.S.

- NOTES
1. BAW SCREEN TO BE BUILT TO FACE OF RISER.



TRENCH DETAIL
N.T.S.

- NOTES
1. TRENCH WIDTH SHALL BE APPROX. EQUAL TO THE PIPE DIA. + 2 FEET OR AS PER AWWA AND THE MANUFACTURER'S RECOMMENDATIONS.
 2. PROVIDE SHEETING AND SHORING AS NECESSARY IN ACCORDANCE WITH OSHA STANDARDS.
 3. BACKFILL MATERIALS SHALL BE APPROVED BY THE ENGINEER WHERE THE PIPE IS UNDERCUT.
 4. A MINIMUM OF ONE DENSITY TEST PER FEET FOR 300 LINEAR FEET OF PIPE SHALL BE PERFORMED AND RECORDED.

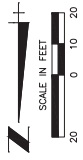


FILTER FABRIC JACKET
N.T.S.

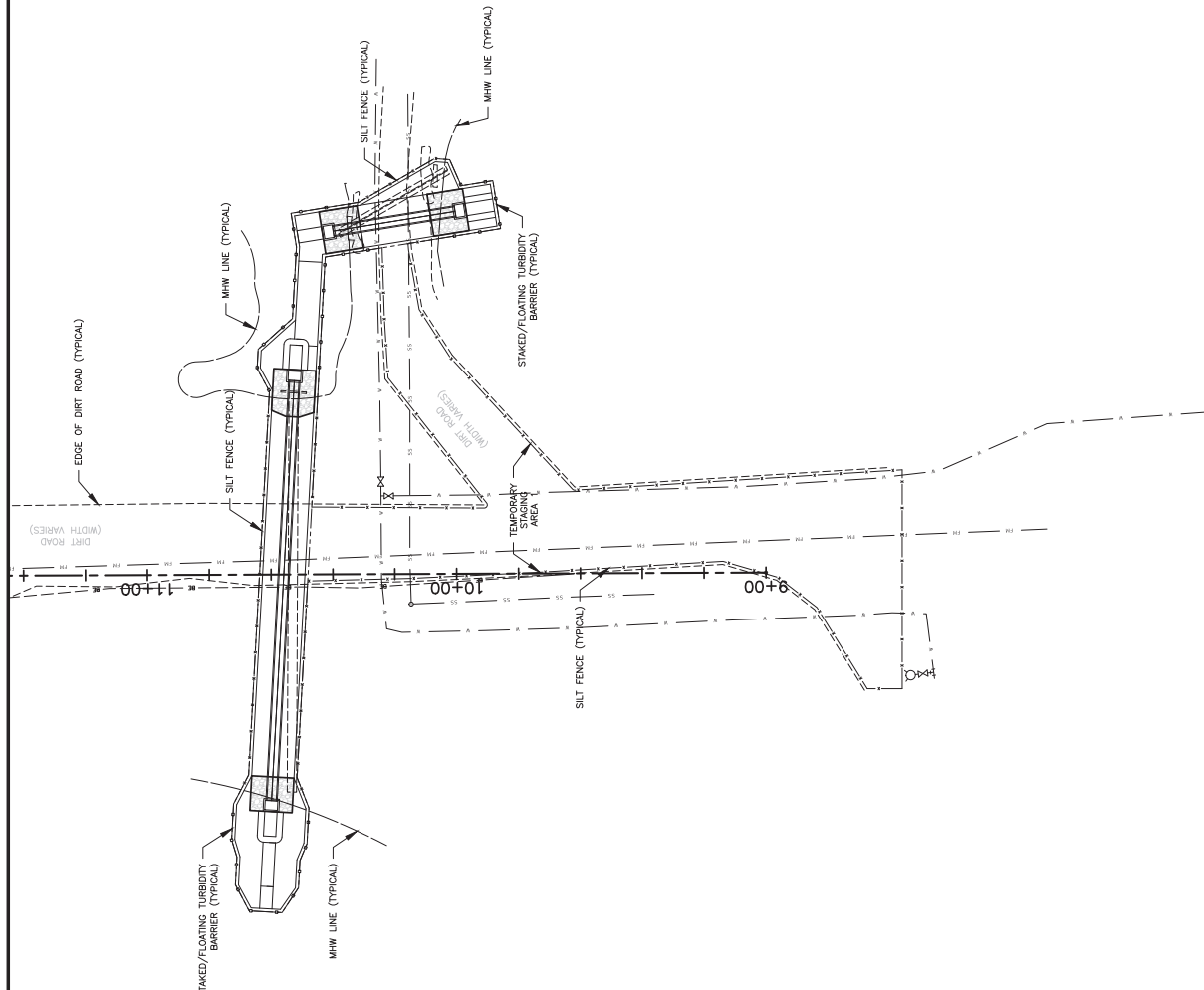
- NOTES
1. CENTER FILTER FABRIC ON PIPE JOINT.
 2. FILTER FABRIC TO OVERLAP A MIN. OF ONE FOOT.
 3. PRICE OF FILTER FABRIC JACKET TO BE INCLUDED IN PRICE OF PIPE.
 4. CONTRACTOR SHALL UTILIZE SECURING DEVICES TO WRAP AROUND THE PIPE AND HOLD THE FILTER FABRIC JACKET IN PLACE.



DATE: 6/2/2020	DESIGNED BY: RSG/RS/51	DATE: 6/2/2020	ACTIVITY: MAINTENANCE NO. 6/2020
PROJECT NO.: 177311483	CHECKED BY: RSG/RS/51	DATE: 6/2/2020	ISSUED BY: RSG/RS/51
PROJECT NAME: OLETA RIVER STATE PARK MANGROVE RESTORATION	CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION	PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION	TITLE: CONSTRUCTION DETAILS
PROJECT NUMBER: 177311483	PROJECT NUMBER: 177311483	PROJECT NUMBER: 177311483	SHEET NUMBER: 9 OF 12



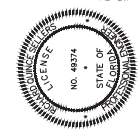
- NOTES:
- SILT FENCE TO BE INSTALLED AT LIMIT OF CONSTRUCTION ABOVE MHW LINE AND STAKED TO THE MHW LINE. TURBIDITY BARRIERS TO BE INSTALLED AT LIMIT OF CONSTRUCTION BELOW MHW LINE.
 - SILT FENCE TO BE INSTALLED AT LIMIT OF CONSTRUCTION ABOVE MHW LINE AND STAKED TO THE MHW LINE. TURBIDITY BARRIERS TO BE INSTALLED AT LIMIT OF CONSTRUCTION BELOW MHW LINE.
 - TEMPORARY STAGING AREAS TO BE INSTALLED WITHIN A WETLAND.



LEGEND

SS	EXISTING HARD SURFACE
SO	EXISTING SOFT SURFACE
APPROX.	APPROXIMATE
ELIP.	ELLIPTICAL
ELIP.	ELLIPTICAL REINFORCED CONCRETE PIPE
EX.	EXISTING
EX.	EXISTING
GB	GRADE BRAKE
INV.	INVERT
LOC.	LOCATION
LOC.	LOCATION EXISTING GRADE
MES	METERED END SECTION
MHW	MEAN HIGH WATER
NG	NATURAL GROUND
NG	NATURAL GROUND
PEP	REINFORCED CONCRETE PIPE
SF	SQUARE FEET
STR.	STORM STRUCTURE
TK	TRUNK
VX	VALVE BOX
W	EXISTING SEWER MANHOLE
W	EXISTING FORCE MAIN
W	EXISTING FORCE MAIN
W	EXISTING SANITARY SEWER
W	EXISTING WATER MAIN
W	EXISTING WATER MAIN
W	EXISTING WATER UTILITY
W	GRADE CONTOUR (EXISTING)
W	ELEVATION PROPOSED
W	GRADE SLOPE
W	EXISTING CULVERT
W	PROPOSED CULVERT
W	THA-XX - SUBSURFACE UTILITY TEST HOLE
W	SECTION ID

THE FIRM HAS BEEN ORIGINALLY QUALIFIED AND STAFFED BY LICENSED SURVEYORS, PE OR THE STATE OF FLORIDA. THE FIRM HAS BEEN ORIGINALLY QUALIFIED AND STAFFED BY LICENSED SURVEYORS, PE OR THE STATE OF FLORIDA. THE FIRM HAS BEEN ORIGINALLY QUALIFIED AND STAFFED BY LICENSED SURVEYORS, PE OR THE STATE OF FLORIDA.



TITLE: BEST MANAGEMENT PRACTICE PLAN CULVERT 1 & 2

PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION

PROJECT NUMBER: 177311483

SHEET NUMBER: 10 of 12

CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION

DATE: 6/2/2020

DESIGNED BY: RSE/RS/SL

DRAWN BY: RSE/RS/SL

CHECKED BY: RSE/RS/SL

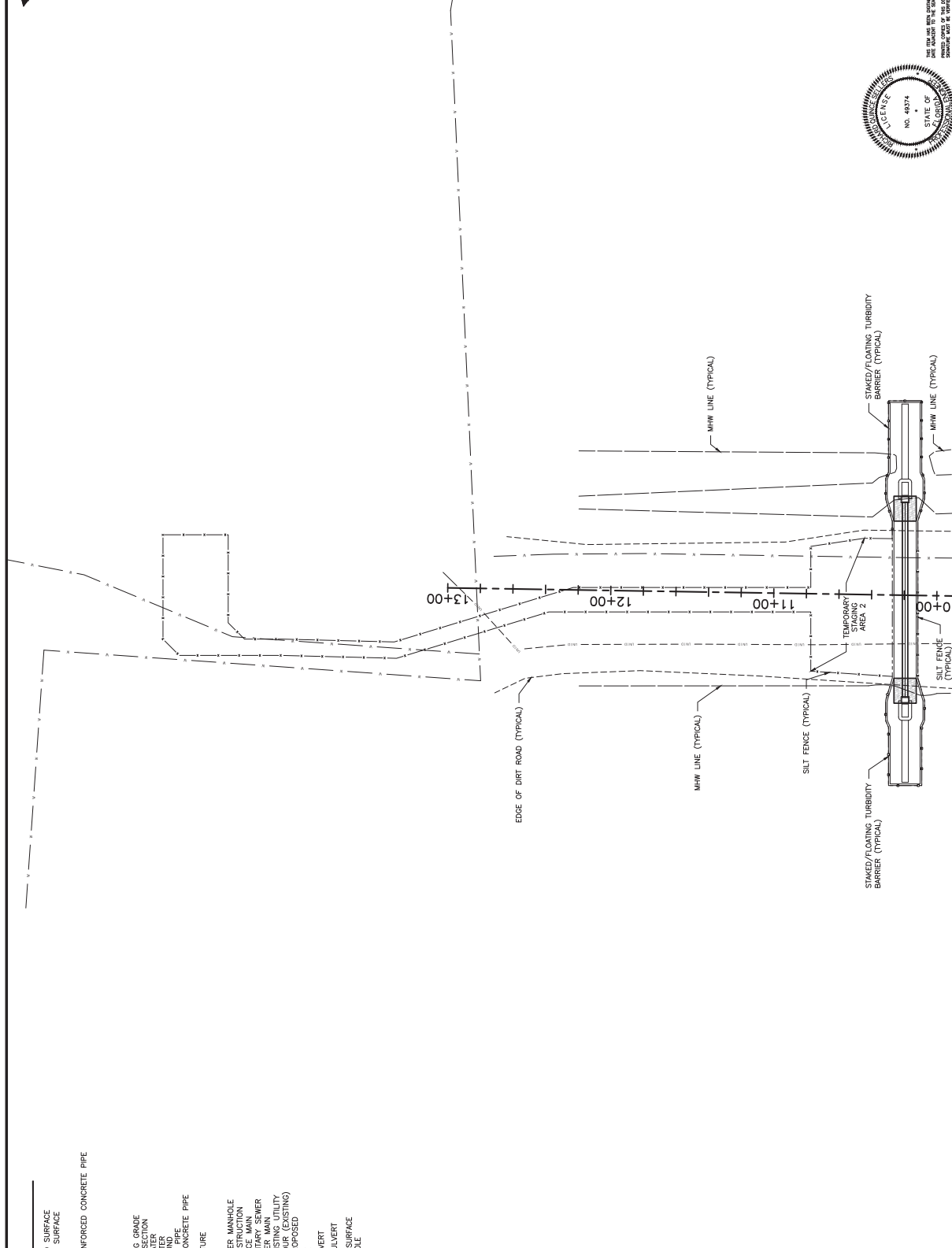
DATE: 6/2/2020

Stantec

1000 Pennsylvania Plaza, Suite 1200, Fort Lauderdale, FL 33304

Phone: 954.343.7000 | Fax: 954.343.7001 | Email: info@stantec.com

www.stantec.com



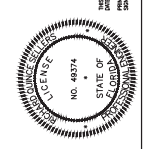
SYMBOL	DESCRIPTION
SS	EXISTING HARD SURFACE
SO	EXISTING SOFT SURFACE
APPROX.	APPROXIMATE
ELIP	ELLIPTICAL
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
EX.	EXISTING
GB	GRADE BRAKE
INV	INVERT
LOC	LOCATION
MES	MITERED END SECTION
MHW	MEAN HIGH WATER
NG	NATURAL GROUND
REN	REINFORCED CONCRETE PIPE
SF	SQUARE FEET
STR	STRUCTURE
VAL	VALVE
VB	VALVE BOX
W	WATER
W	EXISTING SEWER MANHOLE
W	EXISTING FORCE MAIN
W	EXISTING SANITARY SEWER
W	EXISTING WATER MAIN
W	EXISTING UTILITY
W	GRADE CONTOUR (EXISTING)
W	ELEVATION PROPOSED
W	GRADE SLOPE
W	EXISTING CULVERT
W	PROPOSED CULVERT
W	THA-JX - SUBSURFACE UTILITY TEST HOLE
W	SECTION ID

LEGEND

EXISTING HARD SURFACE
 EXISTING SOFT SURFACE
 APPROXIMATE
 ELLIPTICAL
 ELLIPTICAL REINFORCED CONCRETE PIPE
 EXISTING
 GRADE BRAKE
 INVERT
 LOCATION
 MITERED END SECTION
 MEAN HIGH WATER
 NATURAL GROUND
 REINFORCED CONCRETE PIPE
 SQUARE FEET
 STRUCTURE
 VALVE
 VALVE BOX
 WATER
 EXISTING SEWER MANHOLE
 EXISTING FORCE MAIN
 EXISTING SANITARY SEWER
 EXISTING WATER MAIN
 EXISTING UTILITY
 GRADE CONTOUR (EXISTING)
 ELEVATION PROPOSED
 GRADE SLOPE
 EXISTING CULVERT
 PROPOSED CULVERT
 THA-JX - SUBSURFACE UTILITY TEST HOLE
 SECTION ID

SCALE IN FEET
 0 15 30

NOTES:
 1. SILT FENCE TO BE INSTALLED AT LIMIT OF CONSTRUCTION WITHIN LINE AND STAKED/FLOATING TURBIDITY BARRIER TO BE INSTALLED AT LIMIT OF CONSTRUCTION BELOW MHW LINE.
 2. SILT FENCE TO BE INSTALLED AT LIMITS OF CONSTRUCTION.
 3. TEMPORARY STAGING AREA SHALL NOT BE LOCATED WITHIN A WETLAND.



STANTEC
 300 Piedmont Drive, Suite 1100, Tallahassee, FL 32304
 Phone: 904.438.1234 Fax: 904.438.1235
 Email: info@stantec.com Website: www.stantec.com

PROJECT: OLETA RIVER STATE PARK MANGROVE RESTORATION
 CLIENT: FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
 TITLE: BEST MANAGEMENT PRACTICE PLAN CULVERT LOCATION 3
 SHEET NUMBER: 11 OF 12

DATE	BY	APPROVED BY	ACTIVITY
6/2/2020	RSE/RS/SL		DESIGNED BY
6/2/2020	KG/10/15/11		CHECKED BY
6/24/20	KG/10/15/11	RSE/RS/SL	DESIGNED BY
			CHECKED BY
			APPROVED BY

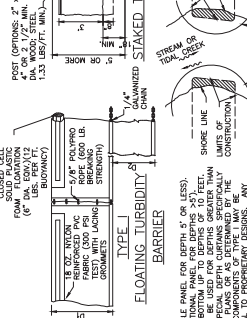


FIGURE 1
TYPICAL
SILT FENCE

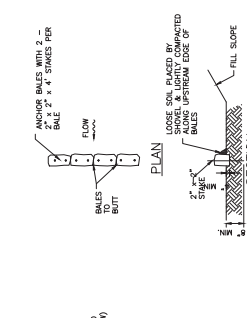


FIGURE 2
TYPICAL BALE SILT BARRIER

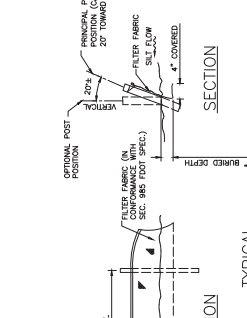


FIGURE 3
TURBIDITY BARRIER APPLICATIONS

FIGURE 4
SILT BARRIER AT CONNECTION
OF SWALE TO EXISTING SWALE

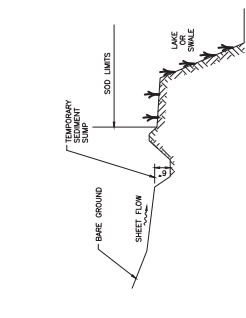


FIGURE 4
SILT BARRIER AT CONNECTION
OF SWALE TO EXISTING SWALE

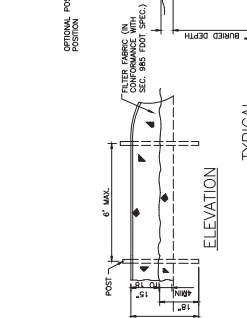


FIGURE 5
SILT BARRIER AT CONNECTION
OF STORM PIPE TO EXISTING SWALE

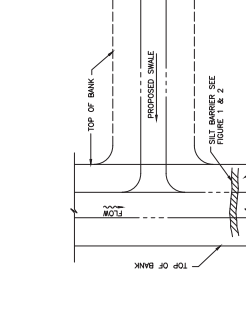


FIGURE 6
TEMPORARY SUMP

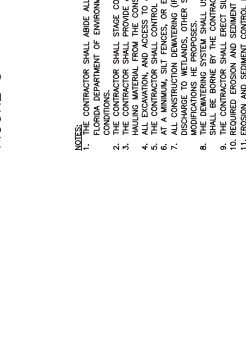


FIGURE 7
SEDIMENT SUMP SECTION



FIGURE 8
TEMPORARY CONSTRUCTION
ENTRANCE DETAIL

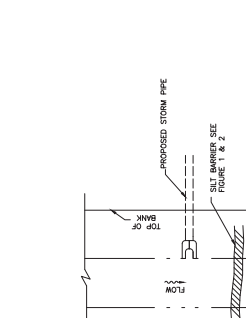


FIGURE 9
TURBIDITY BARRIER APPLICATIONS

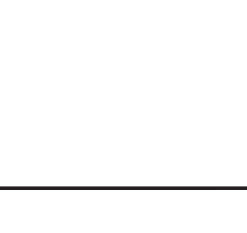


FIGURE 10
TYPICAL
SILT BARRIER

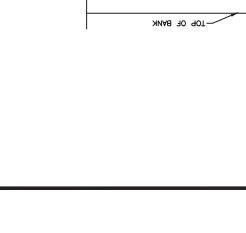


FIGURE 11
TYPICAL
SILT BARRIER

NOTE: THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE CONDITIONS OF THE REGULATORY AGENCY PERMITS AND HAVE COPIES OF THE PERMITS ON SITE. IF IT IS NECESSARY FOR GROUNDWATER Dewatering TO DISCHARGE OFFSITE, THEN THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITTING FROM THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR OBTAINING AND/OR ADAPTING ALL APPLICABLE PERMITTING AND FOR COMPLYING WITH ALL PERMITS AND DEPARTMENTAL CONDITIONS.

NOTE: THE CONTRACTOR SHALL MAINTAIN PROTECTION IN PHASES WHEREVER POSSIBLE TO MINIMIZE SOIL LOSSES AND CONTROL EROSION. EROSION CONTROL MEASURES SHOULD BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN PROTECTION THROUGHOUT THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING THE EROSION CONTROL MEASURES THROUGHOUT THE PROJECT DURATION.

NOTE: THE CONTRACTOR SHALL MAINTAIN PROTECTION THROUGHOUT THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING THE EROSION CONTROL MEASURES THROUGHOUT THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING THE EROSION CONTROL MEASURES THROUGHOUT THE PROJECT DURATION.

NOTE: THE CONTRACTOR SHALL MAINTAIN PROTECTION THROUGHOUT THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING THE EROSION CONTROL MEASURES THROUGHOUT THE PROJECT DURATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING THE EROSION CONTROL MEASURES THROUGHOUT THE PROJECT DURATION.

NOTE: ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF MUD AND DEBRIS ONTO ADJACENT AREAS. THIS MAY REQUIRE TOP DRESSING AND TRAP CLEANING.

NOTE: WHEN NECESSARY, INVERTS SHALL BE CLEANED PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. ON ANY AREA STABILIZED WITH COARSED STONE THAT HAS NOT BEEN FULLY STABILIZED OR DURING PERIODS OF HEAVY SEASONAL RAINFALL, THE CONTRACTOR SHALL MAINTAIN PROTECTION THROUGHOUT THE PROJECT DURATION.

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THE INSTALLATION AND MAINTENANCE OF TURBIDITY BARRIERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THE INSTALLATION AND MAINTENANCE OF TURBIDITY BARRIERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THE INSTALLATION AND MAINTENANCE OF TURBIDITY BARRIERS.

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DATE	NO. 48794	STATE OF FLORIDA
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DATE	PROJECT NUMBER	SHEET NUMBER
6/2020	177311483	12 of 12

CLIENT:	TITLE:
FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION	BEST MANAGEMENT PRACTICE DETAILS
PROJECT:	PROJECT REFERENCE NO.:
OLETA RIVER STATE PARK MANGROVE RESTORATION	177311483

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
RSJ/BRS/SL	MS/101511		

DATE	MUNICIPAL NO.
6/2020	852/89581

DATE	ACTIVITY
6/2020	CONSTRUCTION

DATE	CONTRACT NO.
6/2020	852/89581

DATE	CONTRACT NO.
6/2020	852/89581

DATE	CONTRACT NO.
6/2020	852/89581

DATE	CONTRACT NO.
6/2020	852/89581

DATE	CONTRACT NO.
6/2020	852/89581

DATE	CONTRACT NO.
6/2020	852/89581

Attachment C
Zoning Memorandum

Memorandum



Date: April 5, 2021

To: McKee Gray, Manager
Coastal Resources Section
Department of Regulatory and Economic Resources

From: Samantha Tiffany, Biologist II
Coastal Resources Section
Department of Regulatory and Economic Resources

Subject: Class I Permit Application by the Florida Department of Environmental Protection for the Removal of 3,728 Square Feet of Mangrove Canopy within a Coastal Band Community in Association with the Replacement of Three Existing Culverts within the Oleta River State Park located at 3400 Northeast 163 Street, in the City of North Miami, Miami-Dade County, Florida.

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

Attachment D
DERM Project Report

CLASS I PERMIT APPLICATION NO. CLI-2020-0227

Class I Permit Application by the Florida Department of Environmental Protection for the Removal of 3,728 Square Feet of Mangrove Canopy within a Coastal Band Community in Association with the Replacement of Three Existing Culverts within the Oleta River State Park located at 3400 Northeast 163 Street, in the City of North Miami, Miami-Dade County, Florida.

DATE: April 5, 2021

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 (Code). The following is a summary of the proposed project with respect to each applicable evaluation factor:

1. **Potential Adverse Environmental Impact** – Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized. Section 24-48.4 of the Code also requires mitigation for permissible projects that otherwise result in unavoidable environmental impacts. The proposed culverts would be installed in generally the same footprint of the existing culverts with minor changes to the elevation and position in order to increase tidal flow and prevent future blockage. The project would result in the dredging of 4,600 square feet of accumulated wetland soils and the filling of 1,242 square feet of wetlands supporting halophytic vegetation, and the removal of 3,728 square feet of mangrove canopy within a Coastal Band Community. These impacts would be fully offset by the re-establishment of tidal exchange to improve water quality and habitat function within the project sites. Furthermore, the replacement of the culverts would result in the hydrological restoration and enhancement of approximately 26 acres (approximately 1.1 million square feet) of halophytic wetlands within Oleta River State Park and therefore, no additional mitigation would be required. The project area would be maintained free of exotic pest plants and nuisance species in accordance with the Class I permit conditions. Any temporary water quality impacts as a result of the construction activities would be minimized through the implementation of proper turbidity controls, including silt fencing, throughout construction operations to ensure that State and County water quality standards are met. In addition, any temporary staging areas would not be located within halophytic wetlands to avoid secondary impacts.
2. **Potential Cumulative Adverse Environmental Impact** – The proposed project is not reasonably expected to result in cumulative adverse environmental impacts as set forth in Number 1 above.
3. **Hydrology** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.
4. **Water Quality** – Any temporary water quality impacts as a result of the construction activities would be minimized through the implementation of proper turbidity controls, including silt fencing, throughout construction operations to ensure that State and County water quality standards are met. In addition, any temporary staging areas would not be located within halophytic wetlands to avoid secondary impacts.
5. **Wellfields** – The proposed project is not reasonably expected to adversely affect wellfields.
6. **Water Supply** – The proposed project is not reasonably expected to adversely affect water supply.
7. **Aquifer Recharge** – The proposed project is not reasonably expected to adversely affect aquifer recharge.
8. **Aesthetics** – The proposed project is not reasonably expected to adversely affect aesthetics.
9. **Navigation** – The proposed project is not reasonably expected to adversely affect navigation.

10. **Public Health** - The proposed project is not reasonably expected to adversely affect public health.
11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values.
12. **Archaeological Values** - The proposed project is not reasonably expected to adversely affect archaeological values.
13. **Air Quality** – The proposed project is not reasonably expected to adversely affect air quality.
14. **Marine and Wildlife Habitats** – The intent of the proposed project is to restore hydrologic connection and enhance halophytic wetlands and is therefore not reasonably expected to adversely affect marine and wildlife habitats suitable for habitat.
15. **Wetland Soils Suitable for Habitat** – The proposed project involves the dredging and filling of wetlands, the impacts of which would be fully offset by the restoration of hydrologic connection as set forth in Number 1 above.
16. **Floral Values** – The proposed project involves the dredging and filling of wetlands which would be fully offset by the restoration of hydrologic connection as set forth in Number 1 above.
17. **Fauna Values** – The proposed project involves the dredging and filling of wetlands which would be fully offset by the restoration of hydrologic connection as set forth in Number 1 above.
18. **Rare, Threatened and Endangered Species** – The proposed project is not reasonably expected to adversely affect rare, threatened and endangered species.
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 project involves the dredging and filling of wetland habitat to restore natural surface water flow within two mangrove wetland areas through the replacement of the existing damaged culverts. The impacts associated with the dredging and filling would be fully offset as set forth in Number 1 above.
21. **Land Use Classification** – Pursuant to Section 24-48.2(II)(B)(7) of the Code of Miami-Dade County, Florida, a substantiating letter stating that the proposed project does not violate any zoning laws, or a plan approval, will be submitted prior to permit issuance. Said letter or plan approval will be submitted after the approval by the Board of County Commissioners and prior to the issuance of a Class I permit.
22. **Recreation** - The proposed project does not conflict with the recreation element of the Miami-Dade County Comprehensive Development Master Plan.
23. **Other Environmental Values Affecting the Public Interest** – The proposed project is not reasonably expected to adversely affect other environmental values affecting the public interest and in fact is expected to affirmatively promote environmental values affecting the public interest. The proposed project would occur on lands owned 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 applicable portions of the Code of Miami-Dade County and the

25. **Comprehensive Environmental Impact Statement (CEIS)** - In the opinion of the Director, the proposed project is not reasonably expected to result in significant adverse environmental impacts or cumulative adverse environmental impacts. Therefore, a CEIS was not required by DERM to evaluate the project.
26. **Conformance with All Applicable Federal, State and Local Laws and Regulations** - The proposed project is in conformance with applicable State, Federal and local laws and regulations:
- a) Chapter 24 of the Code of Miami-Dade County
 - b) United States Clean Water Act (US Army Corps of Engineers permit is required)
 - c) South Florida Water Management District (regulatory permit is required)
27. **Conformance with the Miami-Dade County Comprehensive Development Master Plan (CDMP)** - In the opinion of the Director, the proposed project is consistent as required by CDMP policy LU-3A, with the goals, objectives and policies contained in the Conservation, Aquifer Recharge and Drainage and Coastal Management Elements of this Plan, and with all applicable environmental regulations, as well as other elements of the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

LAND USE ELEMENT I:

Objective 3/Policies 3B, 3C - Protection of natural resources and systems. – The proposed project is consistent with all applicable environmental regulations, 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 AV-5A - 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 project is not located within 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 would not compromise flood protection.

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.

Florida Department of Environmental Protection
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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 7/Policy 7A, 7C, 7D, 7J - Wetland protection and restoration. – The project would involve the dredging and filling of wetlands to enhance habitat function and restore hydrologic connection and the impacts associated with the work would be fully offset as set forth in Number 1 above.

Objective 9/Policies 9A, 9B, 9C - Protection of habitat critical to Federal or State-designated threatened or endangered species. – The proposed project is not reasonably expected to adversely affect habitat critical to Federal or State-designated threatened or endangered species as set forth in Number 1 above.

COASTAL MANAGEMENT ELEMENT VII:

Objective 1/Policy 1A – Mangrove wetlands within Mangrove Protection Areas – The proposed work is consistent with Policy CM-1A of the CDMP as the work is the minimum necessary required for natural system restoration and enhancement as the culvert replacements would reestablish historic tidal flows into two areas of mangrove wetland habitat currently experiencing stress and mortality. In addition, it is reasonably expected that the restored tidal flow would result in enhanced faunal and floral habitat and improved water quality of the surrounding wetlands and waterways of Biscayne Bay. The proposed trimming and alteration have been minimized and would be done in a manner that preserves the function of the mangrove system and does not adversely affect habitat. The Class I permit would include authorization for future maintenance trimming and alteration of mangroves in the same configuration around the new culverts as that proposed under the subject application. This would allow FDEP to maintain appropriate clearance and hydrologic connection, should mangroves grow into the area around the culverts.

Objective 1/ Policy 1B - Natural surface flow into and through coastal wetlands. – The proposed work is consistent with Policy CM-1B of the CDMP as the purpose of the project is to restore natural surface flow within two mangrove wetland areas through the replacement of the existing damaged culverts.

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

Objective 1/Policy 1D - Protection and maintenance of mangrove forests and related natural vegetational communities. - The proposed work is consistent with Policy CM-1D of the CDMP as the replacement of the culverts would result in the hydrological restoration and enhancement of approximately 26 acres of halophytic wetlands within Oleta River State Park.

Objective 1/Policy 1E - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – The proposed work is consistent with Policy CM-1E of the CDMP as the replacement of the culverts would result in the hydrological restoration and enhancement of approximately 26 acres of halophytic wetlands within Oleta River State Park.

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 proposed 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.

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Objective 3/Policies 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 project is not reasonably expected to result in impacts to endangered or threatened species as set forth in Number 1 above.

Objective 5/Policy 5B - Existing and new areas for water-dependent uses. - The proposed project does not involve a water-dependent use.

Objective 5/Policy 5D - Consistency with Chapter 33D, Miami-Dade County Code. (shoreline access, environmental compatibility of shoreline development) – The proposed project has been reviewed by the Miami-Dade County Shoreline Development Review Committee (SDRC). The SDRC determined that the thresholds for review under the Shoreline Ordinance are not applicable; therefore, the project is not subject to any further conditions or restrictions with respect to the Shoreline Ordinance.

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

28. **Conformance with Chapter 33B, Code of Miami-Dade County** (East Everglades Zoning Overlay Ordinance) – The proposed project is not located within the East Everglades Area.
29. **Conformance with Miami-Dade County Ordinance 81-19** (Biscayne Bay Management Plan Sections 33D-1 through 33D-4 of the Code of Miami-Dade County) - The proposed project is in conformance with the Biscayne Bay Management Plan.
30. **Conformance with the Miami-Dade County Manatee Protection Plan** - The MPP is not applicable to the proposed project.
31. **Consistency with Miami-Dade County Criteria for Lake Excavation** – The proposed project does not involve lake excavation.
32. **Zoning Recommendation** – Pursuant to Section 24-48.2(II)(B)(7) of the Code of Miami-Dade County, Florida, a substantiating letter stating that the proposed project does not violate any zoning laws, or a plan approval, will be submitted prior to permit issuance. Said letter or plan approval will be submitted after the approval by the Board of County Commissioners and prior to the issuance of a 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)(B)(10)(b) of the Code of Miami-Dade County.
34. **Maximum Protection of a Wetland’s Hydrological and Biological Functions** – The project involves the dredging and filling of wetlands for the sole purpose of restoration and enhancement as set forth in Number 1 above.
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** – Not applicable.

The proposed project was also evaluated for compliance with the standards contained in Sections 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 complies with the following criteria:

- (e) Minimum dredging and filling necessary to enhance the biological, chemical or physical characteristics of adjacent waters.

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 Code-required water depth criteria is not applicable to the proposed project.

24-48.3 (4) Clean Fill in Wetlands – The project involves the filling of wetlands; all fill would 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.



McKee Gray, Manager
Coastal Resources Section



Samantha Tiffany, Biologist II
Coastal Resources Section



MEMORANDUM
(Revised)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: July 8, 2021

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 5(L)

Please note any items checked.

- "3-Day Rule" for committees applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Statement of social equity required
- Ordinance creating a new board requires detailed County Mayor's report for public hearing
- No committee review
- Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____) to approve
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 5(L)
7-8-21

RESOLUTION NO. _____

RESOLUTION TAKING ACTION ON A CLASS I PERMIT APPLICATION BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THE REMOVAL OF 3,728 SQUARE FEET OF MANGROVE CANOPY WITHIN A COASTAL BAND COMMUNITY AND THE DREDGING AND FILLING OF HALOPHYTIC WETLANDS IN ASSOCIATION WITH THE REPLACEMENT OF THREE EXISTING CULVERTS WITHIN THE OLETA RIVER STATE PARK LOCATED AT 3400 NORTHEAST 163 STREET, IN THE CITY OF NORTH MIAMI, 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 the Florida Department of Environmental Protection for the removal of 3,728 square feet of mangrove canopy within a Coastal Band Community and the dredging and filling of halophytic wetlands in association with the replacement of three existing culverts within the Oleta River State Park located at 3400 Northeast 163 Street, in the City of North Miami, Miami-Dade County, Florida, subject to the conditions set forth in the memorandum from the Miami-Dade County Department of Regulatory and Economic Resources, 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:

- | | |
|----------------------|---------------------------------------|
| | Jose "Pepe" Diaz, Chairman |
| | Oliver G. Gilbert, III, Vice-Chairman |
| Sen. René García | Keon Hardemon |
| Sally A. Heyman | Danielle Cohen Higgins |
| Eileen Higgins | Joe A. Martinez |
| Kionne L. McGhee | Jean Monestime |
| Raquel A. Regalado | Rebeca Sosa |
| Sen. Javier D. Souto | |

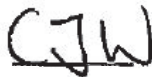
The Chairperson thereupon declared this resolution duly passed and adopted this 8th day of July, 2021. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the 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.



Christopher J. Wahl
Abbie Schwaderer-Raurell