

Memorandum



Date: June 1, 2022

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

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

Agenda Item No. 5(G)

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 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.

Scope

The project site is located at 3485 Main Highway, Miami, Florida, in Commission District 7, which is represented by Commissioner Raquel A. Regalado.

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 a historic boathouse porch to include the filling of 32 square feet of tidal waters within the Barnacle Historic State Park located at 3485 Main Highway, Miami, Miami-Dade County, Florida. The proposed scope of work also includes the replacement of the existing dock in the same footprint. To be approved, this application must be reviewed and decided by the Board at a public hearing because the filling of tidal waters 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 area contains an existing historic boathouse with adjoining porch that serves as an educational resource utilized by the public within the Barnacle Historic State Park. The Applicant has indicated that the existing riprap and concrete boathouse porch and foundation sustained damages as a result of Hurricane Irma in 2017 and are no longer structurally sound. In order to stabilize the boathouse, the Applicant is proposing to replace the existing riprap foundation with a concrete wall and additional riprap. While the majority of the new wall would be installed landward of the Mean High Water Line, a small segment of wall would be installed in tidal waters at the northeast and southeast corners of the existing boathouse resulting in the filling of 32 square feet of tidal waters.

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 Applicant has indicated that the existing porch is damaged and cannot continue to support the historic boathouse. The proposed work would result in the minimal amount of filling of tidal waters necessary to structurally support and stabilize the porch of the structure. As the work is a physical modification necessary to protect public or private property, the proposed project complies with the requirements in Section 24-48.3(2)(f) of the Code, which applies to dredging and filling work proposed in a Class I permit application.

In addition to the work described above, the Applicant is also proposing to replace the previously existing dock within the same footprint. The project site is located within an area identified by the Manatee Protection Plan (MPP) as essential manatee habitat and recommended by the MPP for Residential Docking: 1 Motorboat per 100 feet of Developable Shoreline. However, the MPP provides for an existing marine facility to continue with the existing use and to renovate as long as there is no change in the facility size and no increase in the number of slips. The proposed dock replacement would be within the same footprint as previously authorized by Class I permit CC97-020 and the use of the dock would be restricted to the mooring of a historic vessel, shallow draft sailboats, non-motorized vessels, and vessels with less than 5 horsepower provided the drafts are less than 1 foot pursuant to Environmental Quality Control Board Order No. 99-45. Furthermore, the Class I permit would require that all standard construction permit conditions regarding manatee protection be followed during all in-water operations.

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 and mitigation is required for permissible projects that otherwise result in adverse environmental impacts. The substrate within the area proposed to be filled does not provide significant benthic habitat and the work is not reasonably anticipated to result in adverse environmental impacts. No trimming or alteration of the Coastal Band Community mangroves growing to the north of the boathouse is proposed under the subject application and proper turbidity controls, including silt fencing, would be maintained throughout the duration of construction operations to ensure that no unauthorized impacts occur. Furthermore, as the proposed dock and slips would be located in the same footprint as the previously authorized dock, no adverse environmental impacts are reasonably anticipated to occur. Additionally, no federally or State-designated threatened or endangered species of seagrasses or corals were documented within the footprint of the proposed filling or dock.

The proposed work is not reasonably expected to result in cumulative environmental impacts to water quality; however, the construction phase of the proposed project may result in temporary water quality impacts. In order to minimize the temporary impacts to water quality as a result of the construction

activities associated with the proposed work, the Class I permit would require that turbidity and erosion controls be utilized during all phases of construction to ensure compliance with State and County water quality standards. The mitigation required for the filling of tidal waters would be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund.

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: Names and Addresses of Owners of All Riparian or Wetland Property within Three Hundred (300) Feet of the proposed Work.
- Attachment D: DERM Project Report
- Attachment E: South Florida Water Management District Permit
- Attachment F: US Army Corps of Engineers Permit

Attachment A
Class I Permit Application



Class I Permit Application

FOR DEPARTMENTAL USE ONLY	
Date Received:	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>FDEP Division of Recreation and Parks</u> Address: <u>3900 Commonwealth Boulevard, MS 520</u> <u>Tallahassee</u> <u>Zip Code: 32399</u> Phone #: <u>850-245-2570</u> Fax#: _____ Email: <u>Philip.Stone@FloridaDEP.gov</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 applicant.</small> Name: <u>Amanda Montgomery, PWS</u> Address: <u>2035 Vista Parkway</u> <u>West Palm Beach, FL</u> <u>Zip Code: 33411</u> Phone #: _____ Fax #: _____ Email: <u>Amanda.Montgomery@WGInc.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>0141210450050</u>	Latitude: <u>25.72417291</u>	Longitude: <u>-80.24132070</u>	
Street Address: <u>3485 Main Highway</u>	Section: <u>21</u>	Township: <u>54S</u>	Range: <u>41E</u>
In City or Town: <u>Coconut Grove</u>		Near City or Town: _____	
Name of waterway at location of the activity: <u>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 checked="" type="checkbox"/> Riprap	<input checked="" 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 type="checkbox"/> Dredging <input type="checkbox"/> Maintenance <input type="checkbox"/> New <input type="checkbox"/> Filling <input checked="" type="checkbox"/> Mangrove Trimming <input type="checkbox"/> Mangrove Removal
<input type="checkbox"/> Other: _____	
Estimated project cost = \$ _____	
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): <u>N/A</u> Draft (s)(range in inches.): <u>N/A</u> Length (s)(range in feet.): <u>N/A</u> Total Number of Slips: <u>N/A</u>
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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

B. Contractor Information (If known):

Name: To Be Determined at Project "Letting" 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
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B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

Department of Environmental Protection, Division of Recreation and Parks

Florida

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

P.T. Stone <small>Digitally signed by P.T. Stone Date: 2020.05.04 15:23:11 -0400</small>	Philip T. Stone	Asst. Bureau Chief	_____ Date
_____ 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) Registration/Incorporation	_____ Type (Corp, LLC, LLP, etc.)	_____ State of
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_____ Print Name of Applicant (Enter the complete name as registered) Registration/Incorporation	_____ Type (Corp, LLC, LLP, etc.)	_____ State of
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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
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_____ Signature of Authorized Representative	_____ Print Authorized Representative's Name	_____ Title	_____ Date
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Attachment B

Owner/Agent Letter, Engineer Letter and Project Sketches

PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT

Date: 9/10/2020

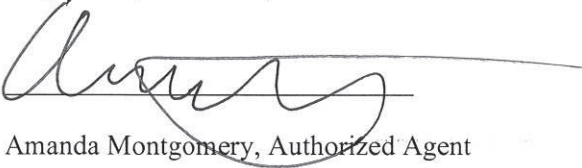
Miami Dade County Department of Regulatory and Economic Resources
Class I Permitting Program
701 NW 1st Court
Miami, FL 33136

Re: Class I Standard Form Permit Application Number CLI-2020-0143

By the attached Class I Standard Form permit application with supporting documents, I, Amanda Montgomery, am the authorized agent and hereby request permission to perform the work associated with Class I Permit Application CLI-2020-0143. 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,


Amanda Montgomery, Authorized Agent

ENGINEER LETTER OF CERTIFICATION

Date: SEPT, 10, 2020

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

RE: Class I Permit Application Number CLI-2020-0143

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 provisions 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:

- JB ✓ a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.
- JB ✓ b. Harmful or increased erosion, shoaling of channels or stagnant areas of water. (Not applicable to class IV permits)
- JB ✓ c. Material injury to adjacent property.
- JB ✓ 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,

JEFFREY BERGMANN, PE
1641 2055 VISTA PARKWAY
WEST PALM BEACH FL
P.E. # 50159



ABBREVIATIONS

AA	Aspirin
AB	Asbestos
AC	Acoustic
AD	Asphalt Driveway
AE	Asphalt
AF	Asphalt Finish
AG	Asphalt Gravel
AH	Asphalt Hardscape
AI	Asphalt Interlock
AJ	Asphalt Joints
AK	Asphalt Key
AL	Asphalt Lanes
AM	Asphalt Maintenance
AN	Asphalt Noise
AO	Asphalt Overlay
AP	Asphalt Paving
AQ	Asphalt Paving
AR	Asphalt Repairs
AS	Asphalt Seal
AT	Asphalt Sealant
AV	Asphalt Surface
AW	Asphalt Trench
AX	Asphalt Underlayment
AY	Asphalt Veneer
AZ	Asphalt Water
BA	Asphalt Wheel
BB	Asphalt Wheel
BC	Asphalt Wheel
BD	Asphalt Wheel
BE	Asphalt Wheel
BF	Asphalt Wheel
BG	Asphalt Wheel
BH	Asphalt Wheel
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BJ	Asphalt Wheel
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CJ	Asphalt Wheel
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REFERENCE LEGEND

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9 3/4"	Asphalt Wheel
10"	Asphalt Wheel

Division of Recreation and Parks Bureau of Design and Construction

THE BARNACLE STATE PARK DISTRICT 5 DADE COUNTY

DOCK AND BOATHOUSE IMPROVEMENTS

PROJECT # 61508C

APPLICABLE CODES AND DESIGN DATA

CODE LIST

FLOORA BUILDING CORE BUILDING (IBC-B)	2017 EDITION
FOOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONST	LATEST EDITION
FOOT DESIGN STANDARDS	LATEST EDITION
FLORIDA ACCESSIBILITY CODE	2014 EDITION

DESIGN DATA

CONSTRUCTION TYPE	N/A	TOTAL BUILDING AREA PER FLOOR	N/A
OCCUPANCY CLASS	N/A	BUILDING HEIGHT/NUMBER OF STORIES	N/A
OCCUPANT LOAD	N/A	REQUIRED SPRINKLER OR ALARM SYSTEM	YES / NO
TOTAL EXITS	N/A	NUMBER OF BEDROOMS	N/A
50 FT ALTERED AREA	N/A	LEVEL OF ALTERATION	N/A

DESIGN LOADS (IBC-B CHAPTER 16):

N/A - REHABILITATION

WIND LOADS (IBC-B SECTION 1609):

N/A - REHABILITATION

SCOPE OF PROJECT

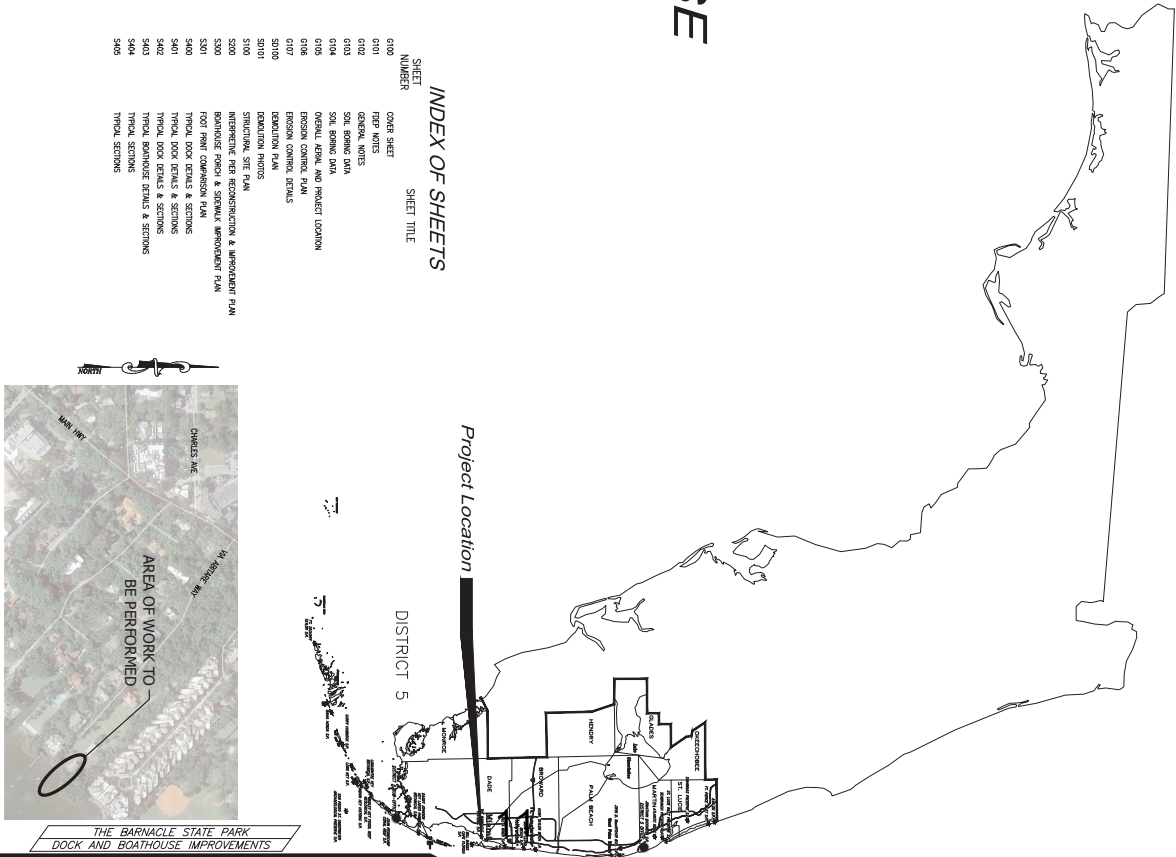
THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION AND PERMITS TO REMOVE EXISTING PAVEMENT SURF ON GRAD, EXISTING SIDEWALK/DRIVEWAY, EXISTING DRIVEWAY, EXISTING CONC RETEN CONCRETE WALK, EXISTING SIDEWALK, EXISTING DRIVEWAY AND NEW HISTORIC HERICA WOOD DOCK (TO BE USED FOR INTERPRETIVE PURPOSES ONLY).

INDEX OF SHEETS

SHEET NUMBER	SHEET TITLE
600	COVER SHEET
601	GENERAL NOTES
602	GENERAL NOTES
603	SOIL BORING DATA
604	SOIL BORING DATA
605	GENERAL LEGAL AND PROJECT LOCATION
606	DESIGN CONTROL PLAN
607	DESIGN CONTROL DETAILS
608	DESIGN CONTROL DETAILS
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646	DESIGN CONTROL DETAILS

JEFFREY R. BERGMANN, P.E.

FILE NO: CN229
 INITIAL ISSUE DATE: MARCH 2020



THE BARNACLE STATE PARK DOCK AND BOATHOUSE IMPROVEMENTS

NOTES:
CONCRETE SHALL BE PLACED AND FINISHED TO THE FINISH SURFACE OF THE FORMWORK
TO CONFORM TO THE DRAWING DIMENSIONS AND FINISH REQUIREMENTS.

GENERAL NOTES:
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE 2017 (FBC)
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCIES.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCIES.
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25. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCIES.

MANUFACTURER'S REFERENCES AND SUBSTITUTIONS:
1. REFER TO A MANUFACTURER'S MANUAL FOR THE MANUFACTURER'S RECOMMENDATIONS.
2. EQUIPMENT PRODUCTS, MATERIALS, EQUIPMENT, ETC. MAY BE SUBSTITUTED BY THE CONTRACTOR FOR REASON AND APPROVAL AT THE TIME OF CONSTRUCTION IF AFTER THE BIDDING PROCESS THE CHANGE IS NOT ADOPTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY SUCH SUBSTITUTIONS.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCIES.

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. G101

THE BARNACLE STATE PARK

FDEP NOTES

DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
JEFFREY R. BERGMANN, PE
30159

DESIGNER: JRB
DRAWN BY: DAM
REVIEWED BY: CBL

ISSUE DATE:
COMP. FILE No.:
STATE PROJECT No.: G1508C

SYMBOL	REVISION	DATE
(A)		
(B)		
(C)		
(D)		



2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2200
Fax No. 561.687.1110
Registry No. 33574

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.
 2. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED.
 3. ALL DIMENSIONS SHALL BE TO THE HARD VALUE.

DESIGNED BY: SW
 CHECKED BY: JMN
 APPROVED BY: KHS
 DATE: MAY 2020
 ENGINEER OF RECORD: KEVIN H. SCOTT, P.E.
 FLORIDA LICENSE NO.: 695914



TERRA
 7351 S. Dixie Avenue, Suite 100
 West Palm Beach, FL 33411
 Phone: 561.887.2200 Fax: 561.887.1110
 FL Cert. No. 0088

SCALE: NOTED
 PROJECT NUMBER: 6511-14-175-004

GEOTECHNICAL ENGINEERING SERVICES
BARNACLE HISTORIC STATE PARK
 MIAMI-DADE COUNTY, FLORIDA
 SHEET 1



BORING LOCATION PLAN



⊕ APPROXIMATE LOCATION OF AUGER BORING
 ⊕ APPROXIMATE LOCATION OF SPT BORING

LEGEND

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. **G103**

THE BARNACLE STATE PARK
SHEET TITLE SOIL BORING DATA
PROJECT TITLE DOCK AND BOATHOUSE IMPROVEMENTS

DESIGNER: JRB	ISSUE DATE:	SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
DRAWN BY: DAM	COMP. FILE No.:	(A)			(C)		
REVIEWED BY: CBL	STATE PROJECT No.: G1508C	(B)			(D)		



2035 Vista Parkway
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 Phone No. 561.687.2200
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 Registry No. 33574

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
DIMENSIONS SHOWN HEREON ARE BASED ON HAND TAKEN DATA
TO CONVERT TO MGD, 29 ADD 1.548" TO THE HAND VALUE.

DESIGNED BY: SW
CHECKED BY: JMN

APPROVED BY: KHS
DATE: MAY 2020

ENGINEER OF RECORD:
KEVIN H. SCOTT, P.E.
FLORIDA LICENSE NO.: 65514



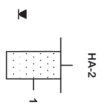
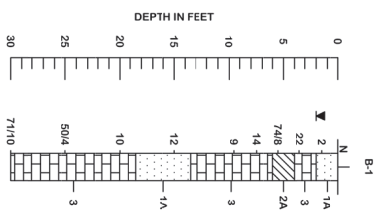
SCALE: NOTED

PROJECT NUMBER: 6511-14-175-004

GEOTECHNICAL ENGINEERING SERVICES
BARNACLE HISTORIC STATE PARK
MIAMI-DADE COUNTY, FLORIDA

SHEET 2

SOIL PROFILES



LEGEND

- 1 LIGHT BROWN TO BROWN SAND TO SAND WITH SILT (SP-S-SM)
- 2 ORANGE-BROWN SANDY CLAY TO CLAY (CLCH)
- 3 CALCAREOUS CLAY TO WEATHERED LIMESTONE
A. WITH LIMESTONE FRAGMENTS
- ☒ GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
- N SPT N-VALUE IN BLOWFOOT FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED)
- SP UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2485) GROUP SYMBOL, AS DETERMINED BY VISUAL REVIEW
- GNE GROUNDWATER TABLE NOT ENCOUNTERED
- 50/4 NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
- REFUSAL BORING TERMINATED DUE TO HAND AUGER REFUSAL ON ROCK
- NOTE: SPT BORING PERFORMED UTILIZING AN AUTOMATIC HAMMER.

GRANULAR MATERIALS RELATIVE DENSITY	SAFETY HAMMER SPT N-VALUE (BLOWS/FT.)	AUTOMATIC HAMMER SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 to 10	3 to 8
MEDIUM DENSE	10 to 30	24 to 40
VERY DENSE	GREATER THAN 30	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT N-VALUE (BLOWS/FT.)	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 to 4	1 to 3
STIFF	4 to 10	3 to 10
VERY STIFF	10 to 15	12 to 24
HARD	GREATER THAN 30	GREATER THAN 24

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. G104

THE BARNACLE STATE PARK
SHEET TITLE: SOIL BORING DATA
PROJECT TITLE: DOCK AND BOATHOUSE IMPROVEMENTS

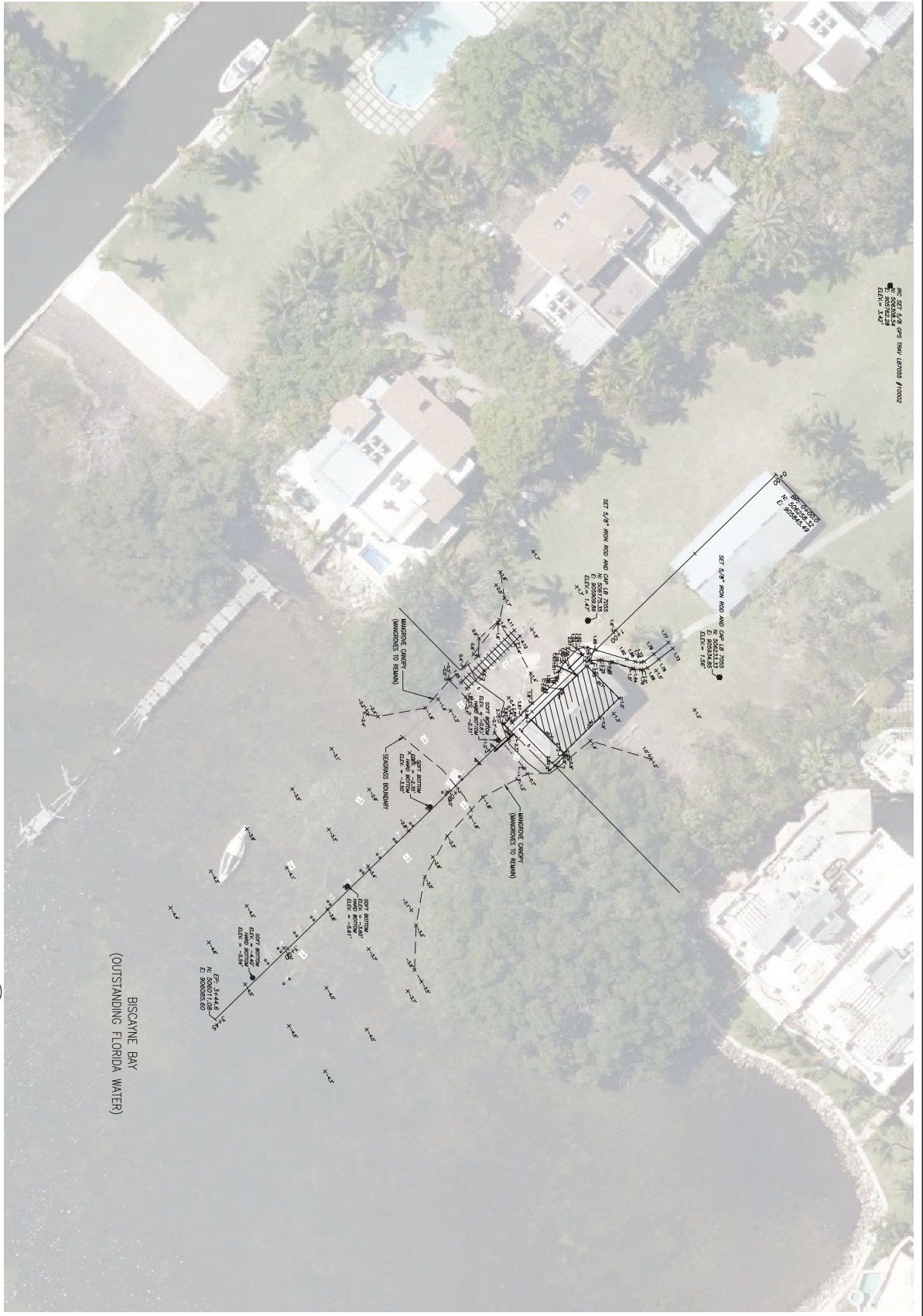
DESIGNER: JRB	ISSUE DATE:	SYMBOL: (A) (B)	REVISION:	DATE:	SYMBOL: (C) (D)	REVISION:	DATE:
DRAWN BY: DAM	COMP. FILE No.:	STATE PROJECT No.: 61508C					
REVIEWED BY: CBL	STATE PROJECT No.:	61508C					



Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157



NOTES:
 1. ALL DIMENSIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.
 2. ALL DIMENSIONS TO BE CONVERTED TO HORIZONTAL DISTANCE TO THE HORIZONTAL VALUE.
 3. ALL DIMENSIONS TO BE CONVERTED TO HORIZONTAL DISTANCE TO THE HORIZONTAL VALUE.
 4. ALL DIMENSIONS TO BE CONVERTED TO HORIZONTAL DISTANCE TO THE HORIZONTAL VALUE.



SEE SHEET 6105
 FOR SET 5/8\"/>

1 OVERALL AERIAL AND PROJECT LOCATION
 GRAPHIC SCALE IN FEET
 20 10 0 20

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. 6105

SHEET NO.	6105
SHEET TITLE	OVERALL AERIAL AND PROJECT LOCATION
PROJECT TITLE	DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 20159

DESIGNER: JRB
 DRAWN BY: DAM
 REVIEWED BY: CBL

ISSUE DATE:
 COMP. FILE No.:
 STATE PROJECT No.: 61508C

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

2035 Vista Parkway
 West Palm Beach, FL 33411
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 Fax No. 561.687.1110
 © Registry No. 33574

Department of Environmental Protection
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 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
 1. ELEVATIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.
 2. TO CONVERT TO MGD, ADD 1.346' TO THE NAVD VALUE.



1
 EROSION CONTROL PLAN

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. G106

THE BARNACLE STATE PARK	
SHEET TITLE EROSION CONTROL PLAN	
PROJECT TITLE DOCK AND BOATHOUSE IMPROVEMENTS	

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 30159

DESIGNER: JRB
 DRAWN BY: DAM
 REVIEWED BY: CBL

ISSUE DATE:
 COMP. FILE No.:
 STATE PROJECT No.: G1508C

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		



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 © Registry No. 33574

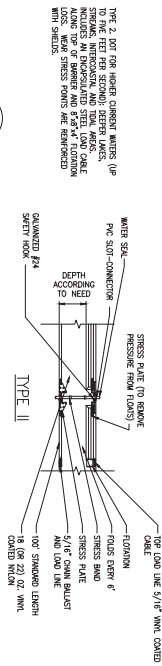
Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
DIMENSIONS SHOWN HEREON ARE BASED ON HWD 98 DATA
TO CONVERT TO MWD 29 ADD 1.548' TO THE HWD VALUE.

BLow-uP OF SHACkLE CONNECTION



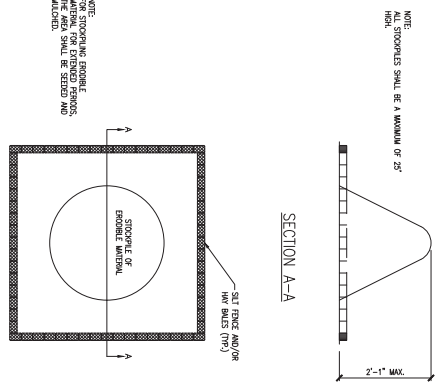
ORIENTATION WHEN INSTALLED (TIDAL SITUATION-TYPE III)-N.T.S.



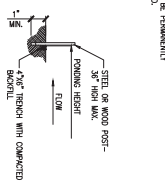
1. SEDIMENT BARRIERS AND TRAP, PERMEABLE DICES, SEDIMENT BARRIERS AND OTHER DEVICES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY DAM DESIGNING ACHIEVE AND SHALL BE MADE FUNCTIONAL BEFORE UP-STATE AND DOWNSTATE DICES PLACE.
2. ALL SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED TO KEEP FIELD CONSTRUCTION AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO PERMITTING OF THE PROPOSED WORK TO BE CONSTRUCTED TO PREVENT SEDIMENT OF TRUCK FROM FLOWING ON TO ADJACENT PROPERTIES.
3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO ERRODED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS AFTER FINAL GRADE STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE LEFT UNSTABILIZED FOR MORE THAN ONE YEAR.
4. DURING CONSTRUCTION OF THE PROJECT, SOIL STABILIZATION SHALL BE STABILIZED, COVERED OR COMPACTED WITH SEDIMENT TRAPPING MEASURES SUCH AS MULCH, PROTECTIVE MATS AND PROPER STABILIZATION OF ALL SOIL EXPOSED ON SITE AS WELL AS SOIL INTERNALLY TRANSPORTED FROM THE PROJECT SITE.
5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON ERRODED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.
6. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
7. CONCENTRATED RAINFALL SHALL NOT FLOW DOWN OFF OF THE SLOPES UNLESS COMBINED WITH AN ADEQUATE TRAPPER OR PERMANENT CHANNEL. DRAIN SLOPE SHALL MAINTAIN AN APPROVED CHANNEL.
8. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM OPEN TO CHANNEL. ALL STORM WATER MATES THAT ARE MADE BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
9. WHEN WORK IN A LINE, INTERLOCKS & PERMEABLE REGULATIONS SHALL BE TAKEN TO MAINTAIN ENDOUCHMENT CONTROL, SEDIMENT TRAPPER AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
10. PERSONS INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE PROPER OPERATION.
11. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PUBLIC RIGHTS OF WAY, PROVISIONS SHALL BE MADE TO MAINTAIN THE TRANSPORT OF SEDIMENT TO PROTECT AND TO THE PUBLIC SERVICE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED ROAD SURFACE WITH STREETS AND SIDEWALKS AND TRANSPORTED TO A SEDIMENT CONTROL STRUCTURE, AREA STREET SURFACES SHALL BE CLEANED UP AFTER SEDIMENT IS REMOVED IN THE STREET. THE PROVISION SHALL APPLY TO REMOVAL, STABILIZATION OF IT'S OF ALL OTHER ROAD SURFACES AND SIDEWALKS.
12. TEMPORARY MEASURES SHALL BE IN PLACE WITHIN 30 DAYS AFTER FINAL GRADE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
13. PROPERTIES AND MATERIALS DIMENSIONS FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
14. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN CODES SECTIONS 101.102 AND 103.101 OF DOTT REGULATION AND DEPT. OF ENVIRONMENTAL PROTECTION AND COUNTY PERMITS.
15. CONTRACTOR IS RESPONSIBLE FOR ALL STORM WATER REQUIREMENTS, MANUAL RUN OFF OR DE-ICE-WATERING REQUIREMENTS.
16. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SHEEP REQUIREMENTS.
17. THE RAINFALL INTENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S DISCRETION.
18. NO TO BE POSTED ON SITE.
19. DE-ICE WATERING SYSTEMS:

- IF DE-ICEWATERING IS REQUIRED CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY STATE AND COUNTY DE-ICEWATERING PERMITS AND INSURE THAT ALL APPROPRIATE STATE AND FEDERAL REGULATIONS ARE FOLLOWED AND THAT ALL DE-ICEWATERING SYSTEMS ARE PROPERLY MAINTAINED AND OPERATED AT ALL TIMES.
- A - CONTRACTOR MUST HAVE A TRANSPORTABLE SPREAD DISPENSER USE PERMIT KNOWN AS A NOTICED GENERAL PERMIT FOR THAT AREA.
- B - NO HYDRAULIC FLAMES MAY BE USED FOR DE-ICEWATERING UNLESS APPROVED BY THE WATER MANAGEMENT DISTRICT FOR THAT AREA.
- D - NO ROAD DISINTEGRATION. INSTANT REPAIRS ARE REQUIRED ONCE A RAMP AND MUST BE REPORTED TO THE PROJECT ENGINEER.

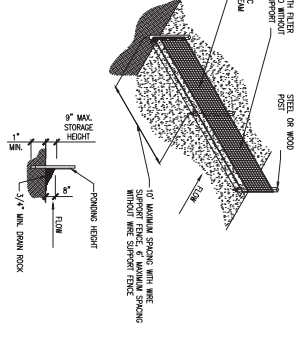
SEDIMENT CONTROL DETAIL FOR STOCKPILING OF ERODIBLE MATERIAL-N.T.S.



TRENCH DETAIL



INSTALLATION WITHOUT TRENCHING TYPE IV SLOTTED FENCE-N.T.S.



- NOTES:
1. SLOTTED FENCE SHALL BE PLACED ON FIRM, WELL-DRAINING SUBSTRATE.
 2. INSPECT AND REPAIR FENCE AFTER ANY DAMAGE TO FENCE OR TO THE SEDIMENT TRAPPING STORAGE.
 3. SEDIMENT CONTROL SHALL BE MAINTAINED AT ALL TIMES AND CONSTRUCTION SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.

SHEET NO. G107	THE BARNACLE STATE PARK	PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 30159	DESIGNER : JRB DRAWN BY: DAM REVIEWED BY: CBL	ISSUE DATE: COMP. FILE No.: STATE PROJECT NO.: 61508C	SYMBOL (A) (B)	REVISION	DATE	SYMBOL (C) (D)	REVISION	DATE	
	EROSION CONTROL DETAILS		2035 Vista Parkway West Palm Beach, FL 33411 Phone No. 561.687.2200 Fax No. 561.687.1110 Registry No. 33574								
	DOCK AND BOATHOUSE IMPROVEMENTS		Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157								

100% DESIGN - NOT FOR CONSTRUCTION

NOTE: DIMENSIONS SHOWN HEREON ARE BASED ON HAND TAKEN DATA TO CONVERT TO HORIZONTAL AND VERTICAL TO THE HORIZONTAL.



PHOTO SD101-1
EXISTING POSTS AND BALCONY COLUMNS

NOTE: DIMENSIONS SHALL BE TEMPORARY REPORT FOR ALL BALCONY COLUMNS



PHOTO SD101-2
EXISTING WALKWAY

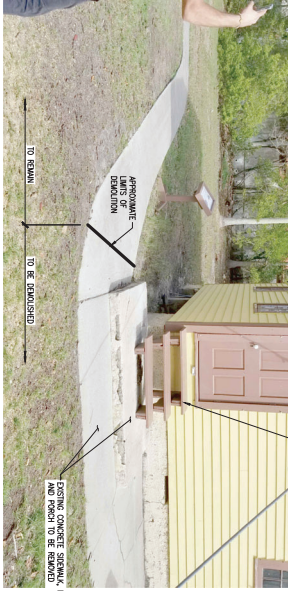


PHOTO SD101-4
EXISTING WALKWAY AND PORCH



PHOTO SD101-5
EXISTING DOCK PILES AT PORCH



PHOTO SD101-3
EXISTING DOCK PILES

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. SD101

THE BARNACLE STATE PARK	
SHEET TITLE	DEMOLITION PHOTOS
PROJECT TITLE	DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
JEFFREY R. BERGMANN, PE
30159

DESIGNER : JRB
DRAWN BY: DAM
REVIEWED BY: CBL

ISSUE DATE:
COMP. FILE No.:
STATE PROJECT No.: 61508C

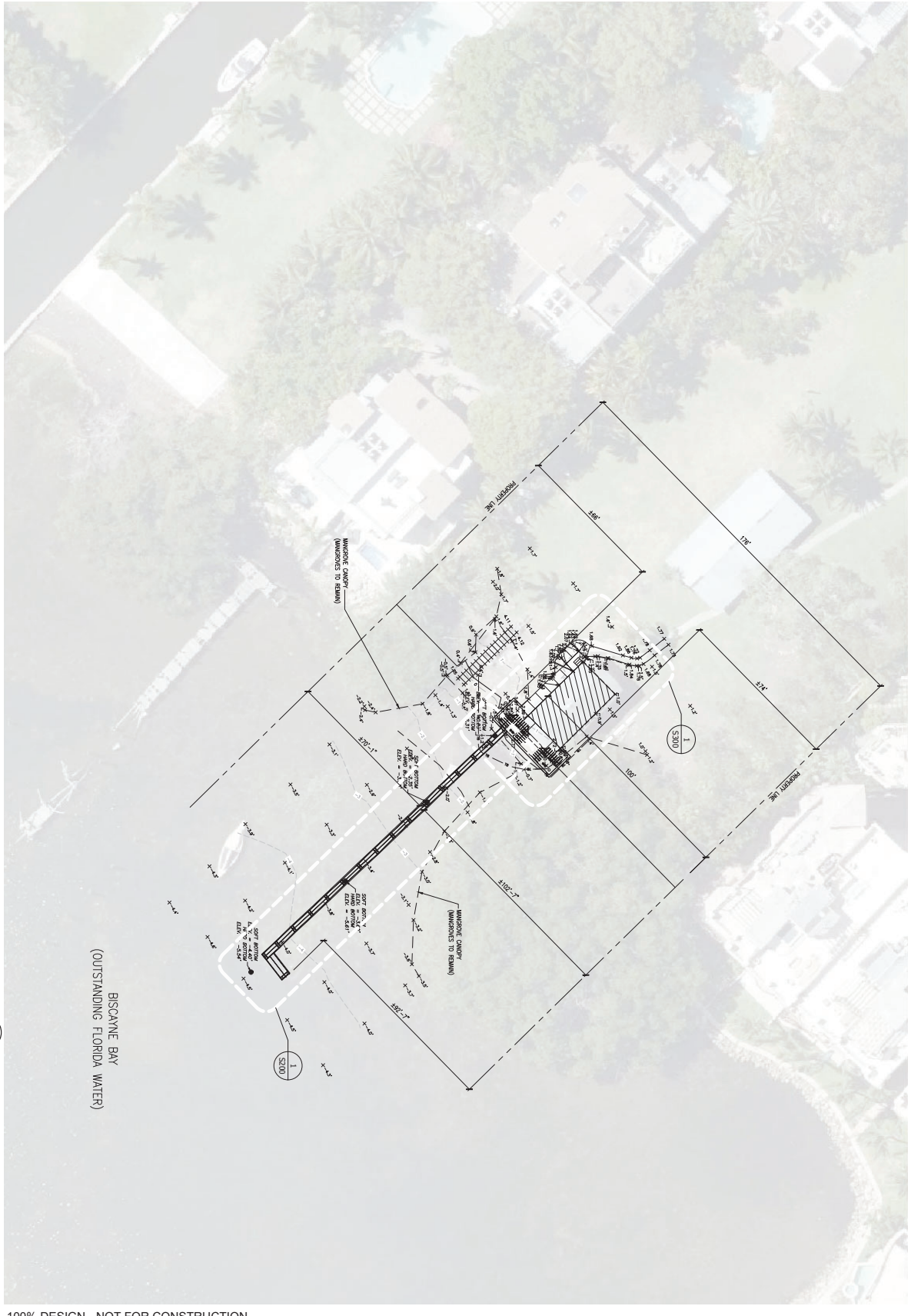
SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2200
Fax No. 561.687.1110
Registry No. 33574

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157



NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON HAND TAKEN DATA.
 2. TO CONVERT TO METERS ADD 1.346 TO THE HAND VALUE.



100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. 1
 \$100
 GRAPHIC SCALE IN FEET

SHEET TITLE	THE BARNACLE STATE PARK
PROJECT TITLE	STRUCTURAL SITE PLAN
PROJECT TITLE	DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 30159

DESIGNER : JRB
 DRAWN BY : DAM
 REVIEWED BY : CBL

ISSUE DATE:
 COMP. FILE No.:
 STATE PROJECT No.: 61508C

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

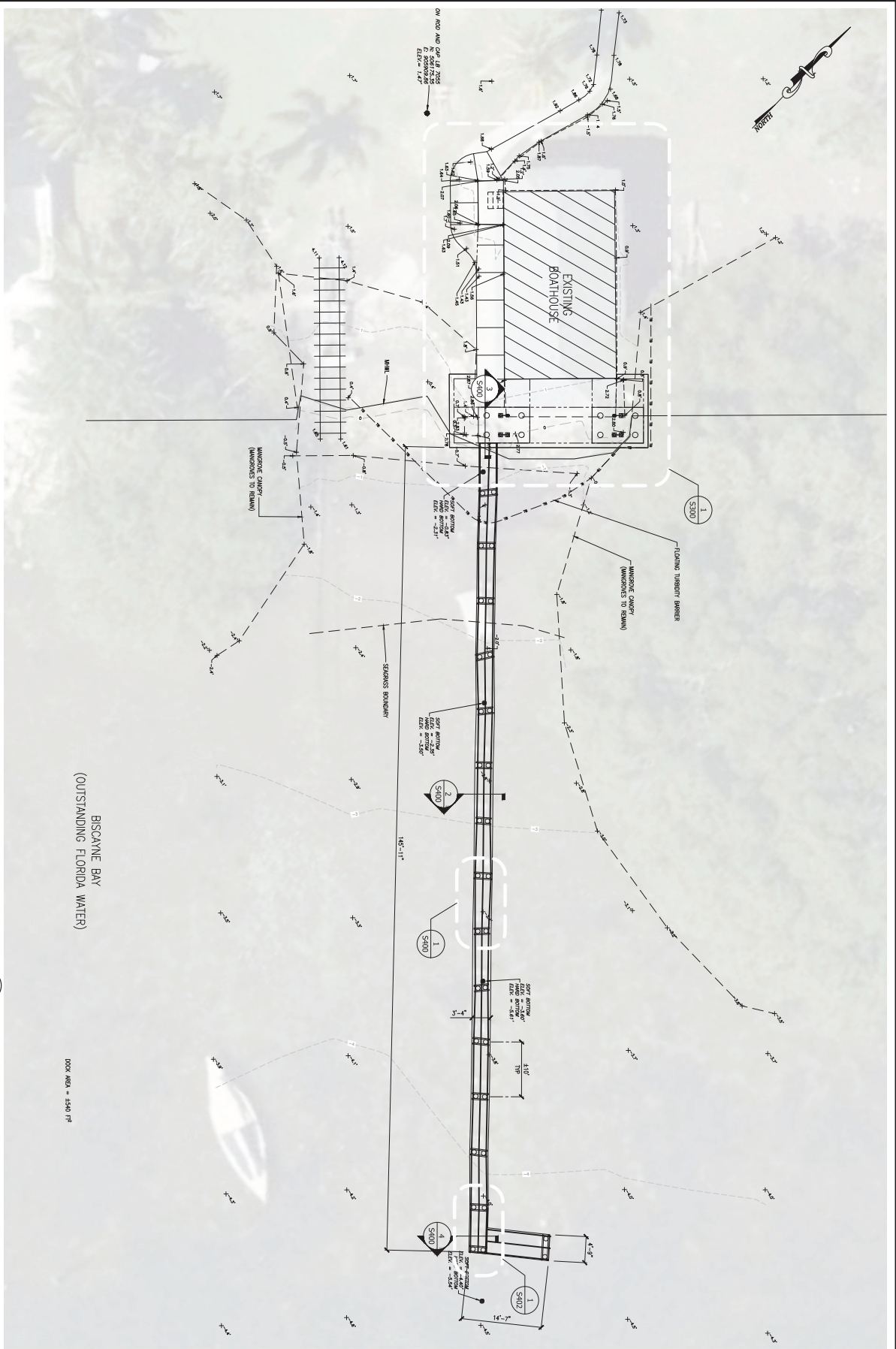
WGI
 2035 Vista Parkway
 West Palm Beach, FL 33411
 Phone No. 561.687.2200
 Fax No. 561.687.1110
 © Registry No. 33574

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.
 2. ALL DIMENSIONS SHALL BE TO CENTERLINE UNLESS NOTED OTHERWISE.
 3. TO CONVERT TO MGD, 29 ADD 1.548 TO THE NUMERICAL VALUE.

NOTES:
 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

1 INTERPRETIVE PIER RECONSTRUCTION & IMPROVEMENT PLAN
 GRAPHIC SCALE IN FEET



100% DESIGN - NOT FOR CONSTRUCTION

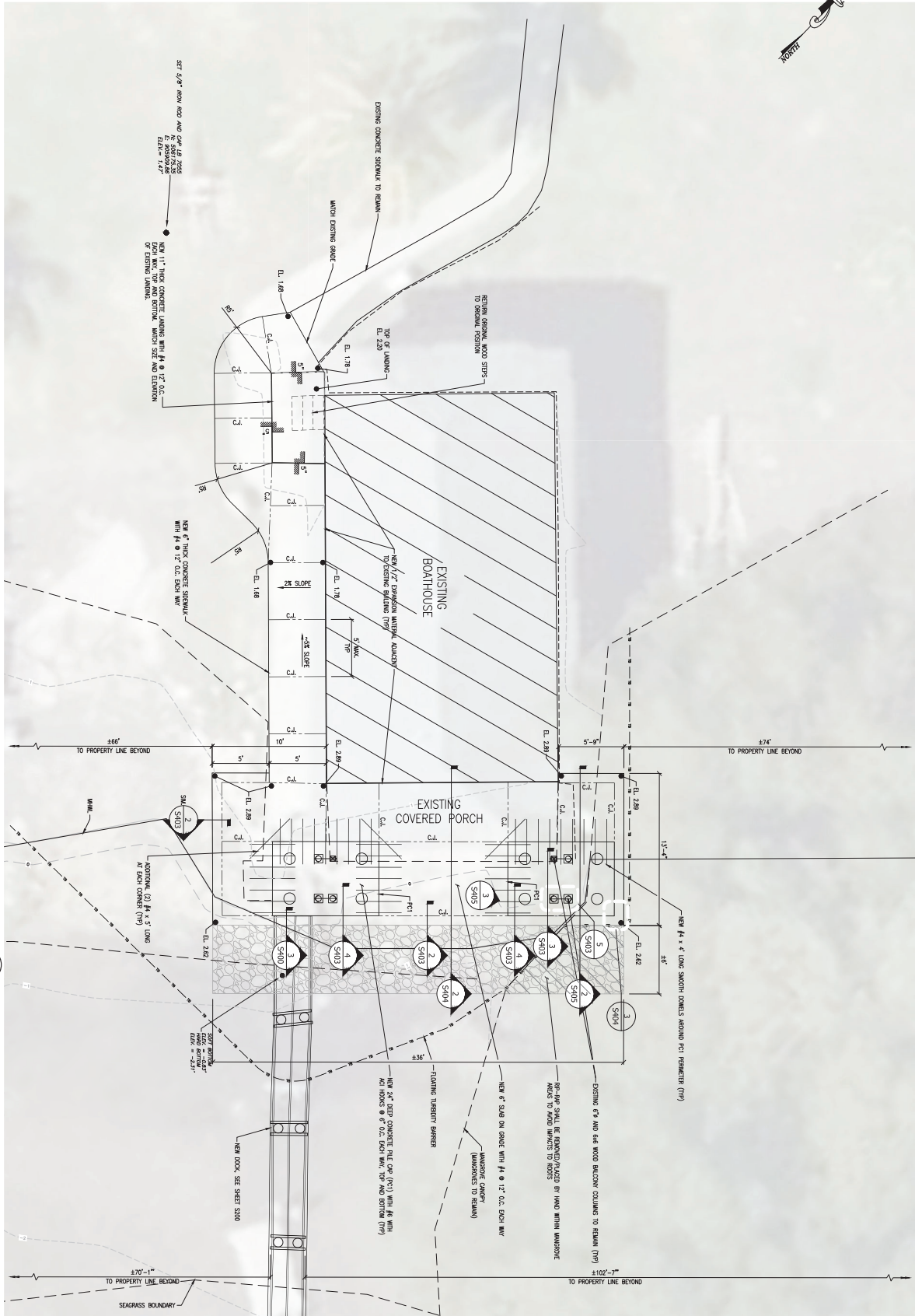
SHEET NO. \$200	THE BARNACLE STATE PARK	PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 30159
	INTERPRETIVE PIER RECONSTRUCTION & IMPROVEMENT PLAN	
	DOCK AND BOATHOUSE IMPROVEMENTS	

DESIGNER : JRB DRAWN BY: DAM REVIEWED BY: CBL	ISSUE DATE: COMP. FILE No.: STATE PROJECT No.: 61508C

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON NAD 83 DATUM.
 2. TO CONVERT TO NAD 2011, ADD 1.548' TO THE HORIZONTAL VALUE.



NOTES:
 1. CONCRETE SHALL BE CAST AT ALL DIMENSIONS.
 2. FORMING THROUGH BARRER SHALL BE PROPERLY ANCHORED AT THE LAPS OF
 3. CONCRETE SHALL BE CAST AT ALL DIMENSIONS.
 4. CONCRETE SHALL BE CAST AT ALL DIMENSIONS.

1 BOATHOUSE PORCH & SIDEWALK IMPROVEMENT PLAN
 GRAPHIC SCALE IN FEET
 0 4 8

100% DESIGN - NOT FOR CONSTRUCTION

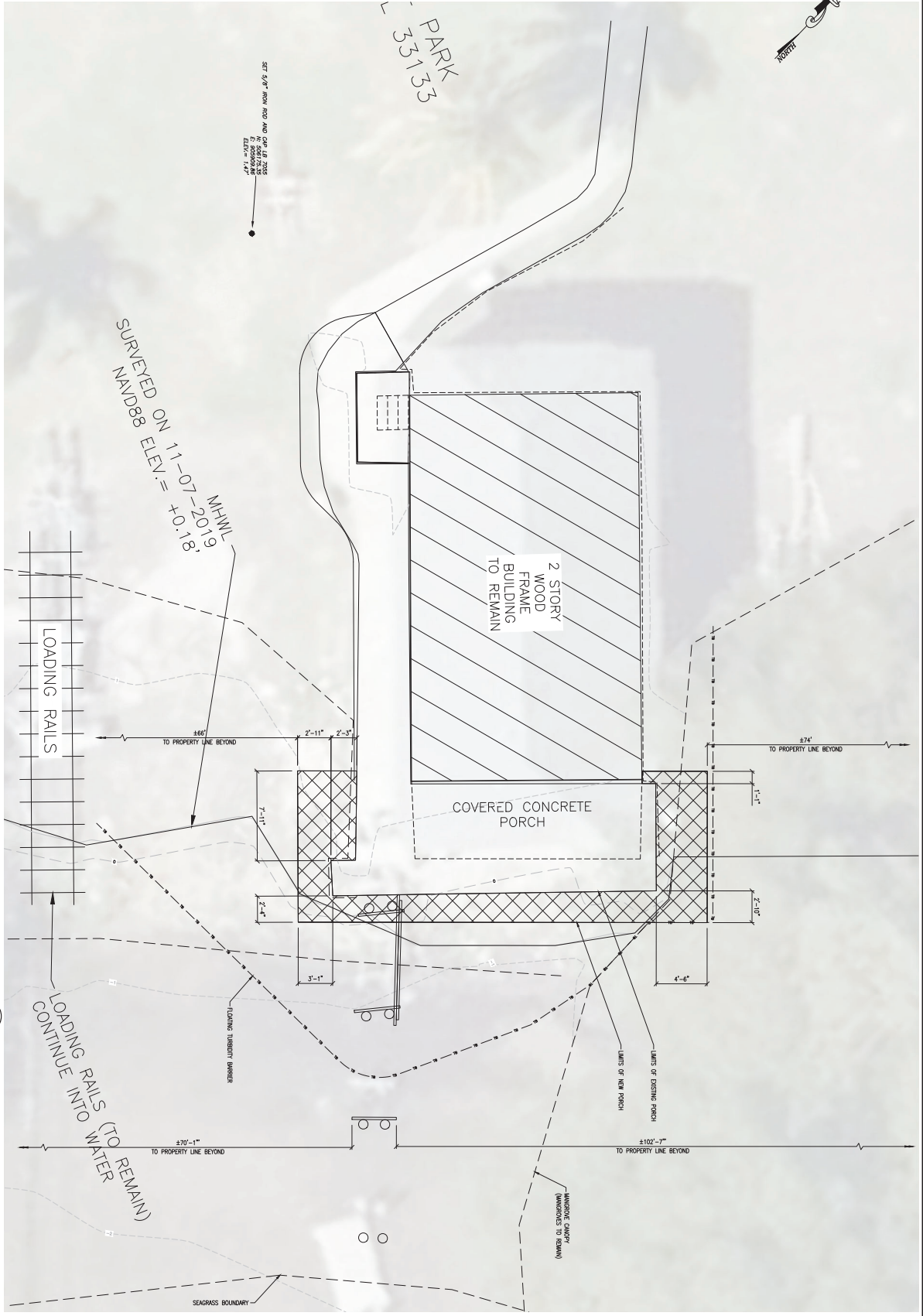
\$300	THE BARNACLE STATE PARK		PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 30159	DESIGNER: JRB	ISSUE DATE:	SUBMITTAL	REVISION	DATE	SUBMITTAL	REVISION	DATE	
	BOATHOUSE PORCH & SIDEWALK IMPROVEMENT PLAN			DRAWN BY: DAM	COMP. FILE NO.:	(A)	(C)	(E)		(D)	(F)	
	DOCK AND BOATHOUSE IMPROVEMENTS			REVIEWED BY: CBL	STATE PROJECT NO.:	61508C						

2035 Vista Parkway
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 © Registry No. 33574

WGI
 PROJECT NO. 2412-10

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.
 2. TO CONVERT TO MGD, ADD 78 AND 1.549 TO THE NAVD VALUE.



NOTE:
 CONTRACTOR SHALL PROVIDE TEMPORARY
 SUPPORT FOR ALL EXISTING COLUMNS

1 FOOT PRINT COMPARISON PLAN
 GRAPHIC SCALE IN FEET

100% DESIGN - NOT FOR CONSTRUCTION

S301	SHEET NO.	THE BARNACLE STATE PARK
	SHEET TITLE	FOOT PRINT COMPARISON PLAN
	PROJECT TITLE	DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 30159

DESIGNER : JRB
 DRAWN BY: DAM
 REVIEWED BY: CBL

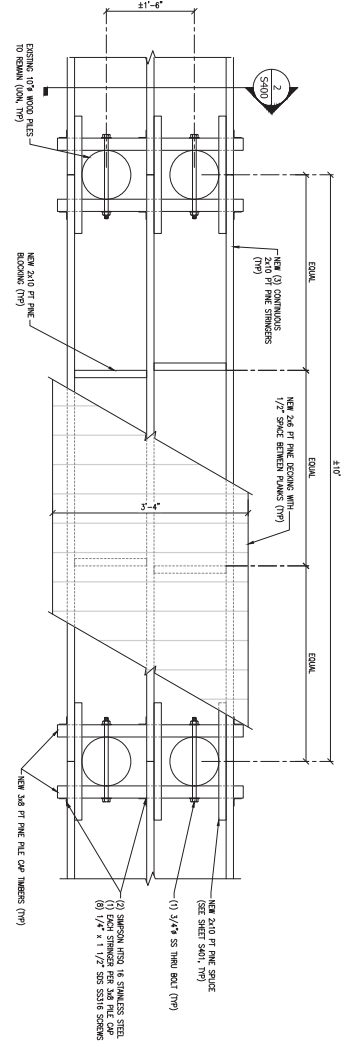
ISSUE DATE:
 COMP. FILE No.:
 STATE PROJECT No.: 61508C

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

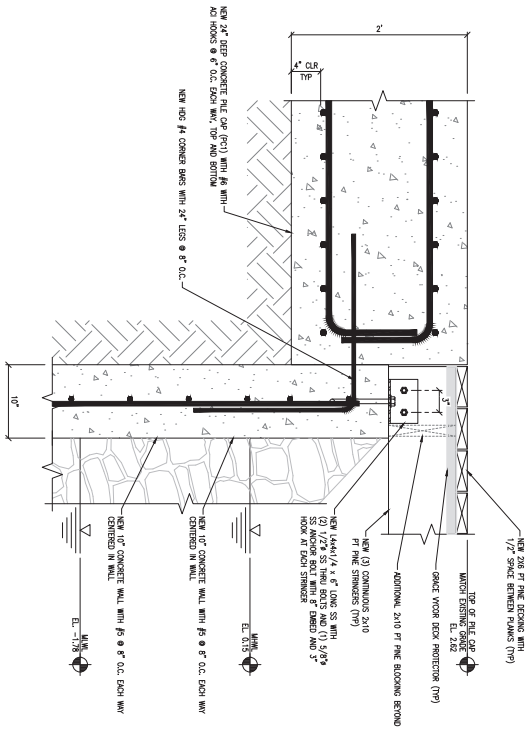
WGI
 2035 Vista Parkway
 West Palm Beach, FL 33411
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Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
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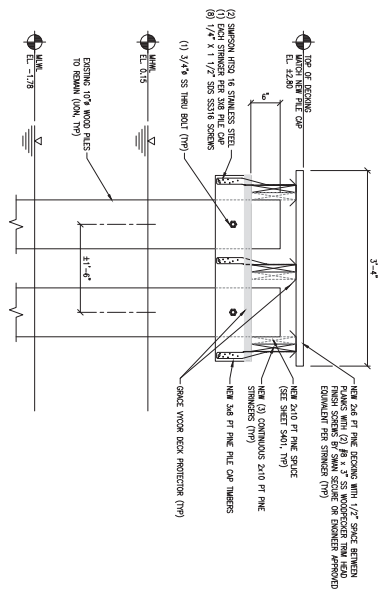
NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON HARD 18# CEMENT
 TO CONVERT TO MOIST 28# ADD 1.54% TO THE HARD VALUE.



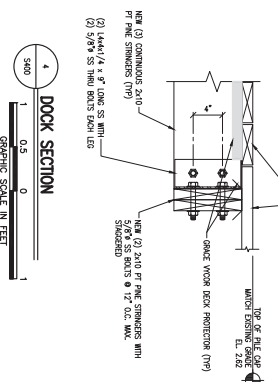
1 PARTIAL DOCK PLAN VIEW
 GRAPHIC SCALE IN FEET



3 TYPICAL DOCK AT PILE CAP SECTION
 GRAPHIC SCALE IN FEET



2 TYPICAL DOCK SECTION
 GRAPHIC SCALE IN FEET



4 DOCK SECTION
 GRAPHIC SCALE IN FEET

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. \$400	THE BARNACLE STATE PARK
	TYPICAL DOCK DETAILS & SECTIONS
	DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 30159

DESIGNER : JRB
 DRAWN BY : DAM
 REVIEWED BY : CBL

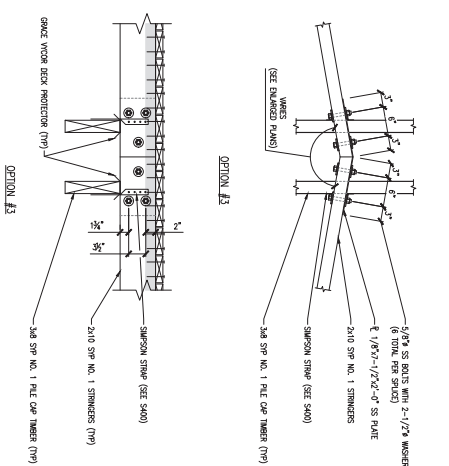
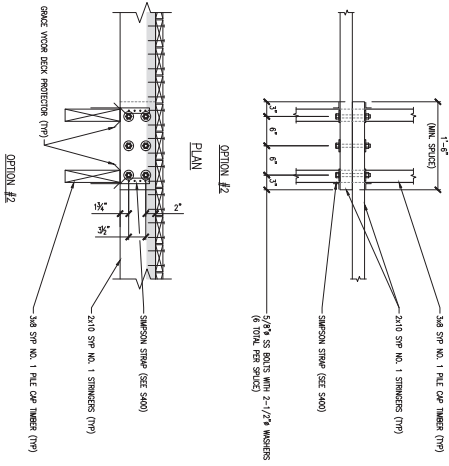
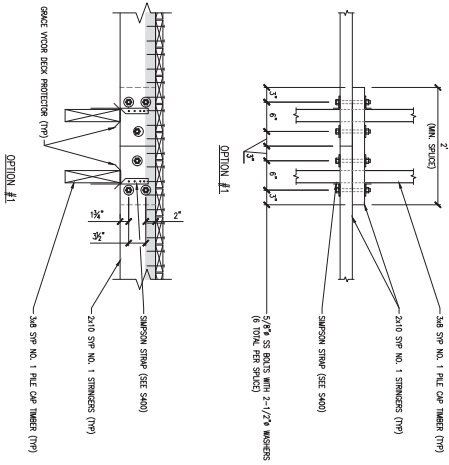
ISSUE DATE:
 COMP. FILE No.:
 STATE PROJECT No.: 61508C

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

2035 Vista Parkway
 West Palm Beach, FL 33411
 Phone No. 561.687.2200
 Fax No. 561.687.1110
 © Registry No. 33574

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON HAND DRAWING TO CONVERT TO MDD. 28' ADD 1.548' TO THE HAND VALUE.



1
 3041
STRINGER SPLICE DETAILS
 NOT TO SCALE

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. \$401	THE BARNACLE STATE PARK	
	TYPICAL DOCK DETAILS & SECTIONS	
	DOCK AND BOATHOUSE IMPROVEMENTS	

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 30159

DESIGNER : JRB
 DRAWN BY : DAM
 REVIEWED BY : CBL

ISSUE DATE:
 COMP. FILE No.:
 STATE PROJECT No.: 61508C

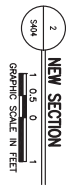
SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
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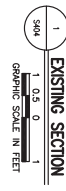
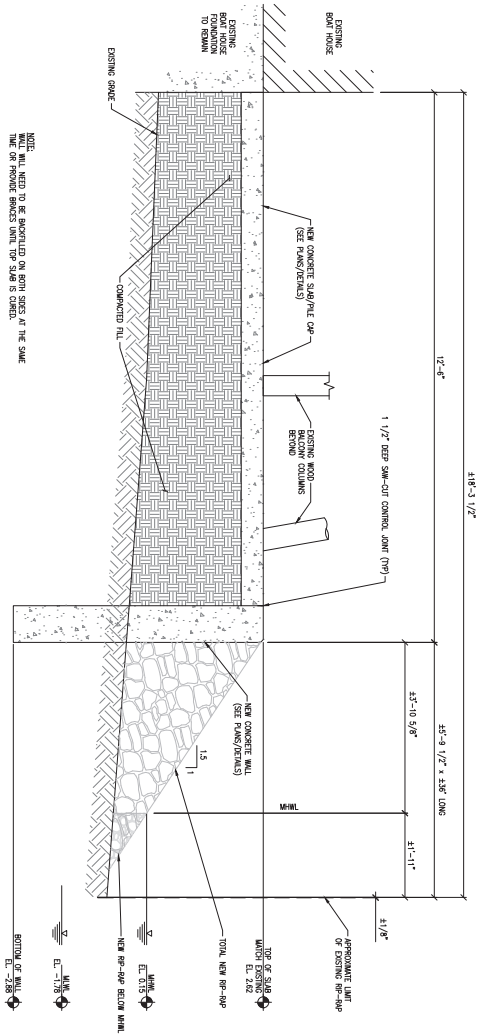
2035 Vista Parkway
 West Palm Beach, FL 33411
 Phone No. 561.687.2200
 Fax No. 561.687.1110
 Registry No. 33574

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

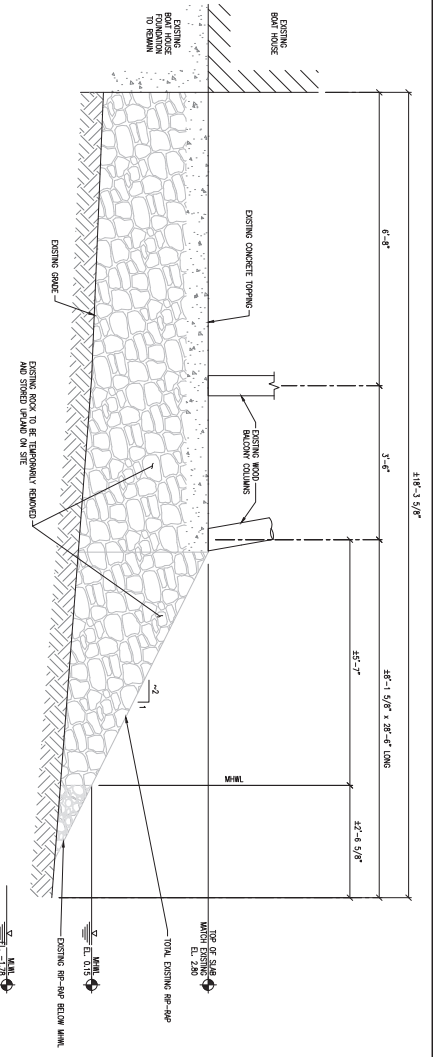
NOTE: DIMENSIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM TO CONVERT TO MGD 78 ADD 1.546' TO THE VERTICAL VALUE.



NOTE: WALL WILL NEED TO BE RECONSTRUCTED ON BOTH SIDES AT THE SAME TIME. ALL FINISH SURFACES SHALL BE 24" ± TO CENTER.

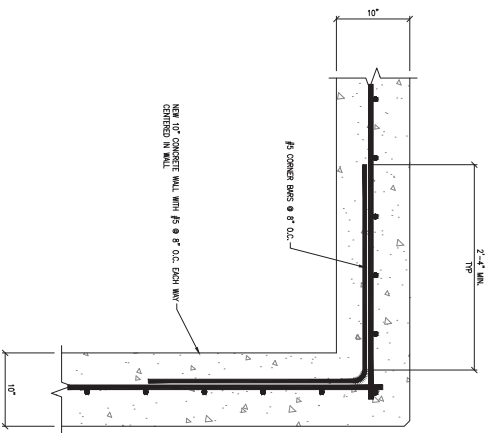


NOTE: SECTION IS FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND QUANTITIES.



NOTE: ALL QUANTITIES ARE APPROXIMATE.

QUANTITY SUMMARY			
	NEW	EXISTING	NET
RP-APP BELOW	171 SF	118 SF	53 SF
ADDITIONAL FILL	30 SF	0	30 SF
TOTAL RP-APP	201 SF	118 SF	83 SF
CONCRETE FILL	11 SF	0	11 SF
TOTAL CONCRETE FILL	11 SF	0	11 SF
TOTAL RP-APP	212 SF	118 SF	94 SF



100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. \$404

PROJECT TITLE	THE BARNACLE STATE PARK
SHEET TITLE	TYPICAL SECTIONS
PROJECT TITLE	DOCK AND BOATHOUSE IMPROVEMENTS

PROFESSIONAL REGISTRATION
JEFFREY R. BERGMANN, PE
30159

DESIGNER: JRB
DRAWN BY: DAM
REVIEWED BY: CBL

ISSUE DATE:
COMP. FILE No.:
STATE PROJECT No.: 61508C

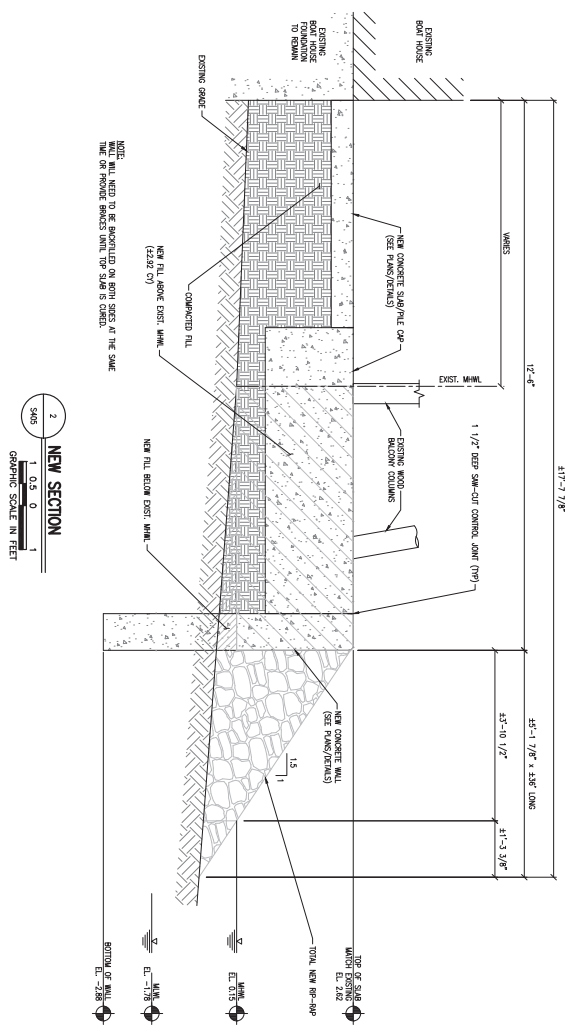
SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
(A)			(C)		
(B)			(D)		

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2200
Fax No. 561.687.1110
Registry No. 33574

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157



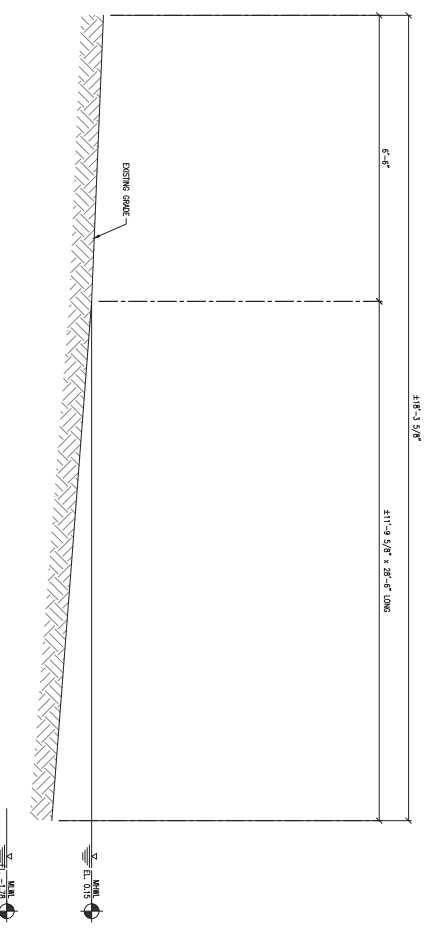
NOTES:
 1. DIMENSIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.
 2. TO CONVERT TO MGD, ADD 1.546 TO THE NAVD VALUE.



2. NEW SECTION
 GRAPHIC SCALE IN FEET

1. EXISTING GRADE NORTH OF PORCH
 GRAPHIC SCALE IN FEET

NOTE:
 1. DIMENSIONS & TYPING FOR MATERIALS, FINISHES, AND QUANTITIES SHALL BE AS SHOWN ON SHEETS.



3. RIP-RAP REPLACEMENT PHOTO
 NOT TO SCALE



REPLACE EXISTING RIP-RAP WITH NEW RIP-RAP.

100% DESIGN - NOT FOR CONSTRUCTION

SHEET NO. \$405

THE BARNACLE STATE PARK	
SHEET TITLE	
TYPICAL SECTIONS	
PROJECT TITLE	
DOCK AND BOATHOUSE IMPROVEMENTS	

PROFESSIONAL REGISTRATION
 JEFFREY R. BERGMANN, PE
 30159

DESIGNER: JRB
 DRAWN BY: DAM
 REVIEWED BY: CBL

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(A)			(C)		
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2035 Vista Parkway
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Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

Attachment C

**Names and Addresses of Owners of All Riparian or Wetland Property
within Three Hundred (300) Feet of the Proposed Work**

Abitare Condominium Association, Inc.
c/o Joseph Gabel, President
3495 Main Highway
Miami, FL 33133

Cloisters on the Bay Condominium
Association, Inc.
c/o James Cassel, President
3471 Main Highway
Miami, FL 33133

David & Jessica Ivler
3503 Main Lodge Drive
Coconut Grove, FL 333133

Attachment D
DERM Project Report

CLASS I PERMIT APPLICATION NO. CLI-2020-0143

Class I Permit Application by the Florida Department of Environmental Protection for the Filling of Tidal Waters in Association with Repairs to the Barnacle State Park Historic Boathouse and the Replacement of a Dock located at 3485 Main Highway, Miami, Miami-Dade County, Florida.

DATE: March 29, 2022

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 and mitigation is required for permissible projects that otherwise result in adverse environmental impacts. The substrate within the area proposed to be filled does not provide significant benthic habitat and the work is not reasonably anticipated to result in adverse environmental impacts. No trimming or alteration of the Coastal Band Community mangroves growing to the north of the boathouse is proposed under the subject application and proper turbidity controls, including silt fencing, would be maintained throughout the duration of construction operations to ensure no unauthorized impacts occur. Furthermore, as the proposed dock and slips would be located in the same footprint as the previously authorized dock, no adverse environmental impacts are reasonably anticipated to occur. Additionally, no federally or State-designated threatened or endangered species of seagrasses or corals were documented within the footprint of the proposed filling or dock.

The proposed work is not reasonably expected to result in cumulative environmental impacts to water quality; however, the construction phase of the proposed project may result in temporary water quality impacts. In order to minimize the temporary impacts to water quality as a result of the construction activities associated with the proposed work, the Class I permit would require that turbidity and erosion controls be utilized during all phases of construction to ensure compliance with State and County water quality standards. The mitigation required for the filling of tidal waters would be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund.

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** – The proposed project is not reasonably expected to result in adverse impacts to water quality. Although the proposed project may result in minor temporary impacts to surface water quality during construction operations, potential impacts will be minimized and mitigated as set forth in Number 1 above.
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 project is located within the Barnacle Historic State Park and is a Miami-Dade County designated historical site. The proposed project is intended to stabilize and protect historical structures at the property and is therefore not reasonably expected to adversely affect historic values. If any objects and/or features of historical or archaeological significance are encountered at any time within the project site, construction activities would be required to cease immediately, and the applicant would be required to contact the State of Florida Bureau of Archaeological Research and the Miami-Dade County Office of Historic Preservation.
12. **Archaeological Values** - The project is located within the Barnacle Historic State Park and is a Miami-Dade County designated archaeological site. The proposed project is not reasonably expected to adversely affect archaeological values. If any objects and/or features of historical or archaeological significance are encountered at any time within the project site, construction activities shall cease immediately. The permittee and/or contractor shall contact the State of Florida Bureau Archaeological Research at (850) 245-6444 and the Miami-Dade County Office of Historic Preservation at (305) 375-3412.
13. **Air Quality** – The proposed project is not reasonably expected to adversely affect air quality.
14. **Marine and Wildlife Habitats** – The proposed project is not reasonably expected to adversely affect marine and wildlife habitats as set forth in Number 1 above.
15. **Wetland Soils Suitable for Habitat** – Although the proposed project is located adjacent to a wetland, no work would be done within the wetlands and proper turbidity controls would be implemented as set forth in Number 1 above. Therefore, the proposed project is not reasonably expected to adversely affect wetland soils suitable for habitat.
16. **Floral Values** – The proposed project is not reasonably expected to adversely affect floral values as set forth in Number 1 above.
17. **Fauna Values** - The proposed project is not reasonably expected to adversely affect fauna values 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 proposed project is not reasonably expected to adversely affect wetland values.
21. **Land Use Classification** – Pursuant to Section 24-48.2(II)(B)(7) of the Code, Florida, applications for Class I permits by the State of Florida Department of Environmental Protection within its own jurisdiction shall not be required to submit a substantiating letter or plan approval from the local zoning authority.
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. The proposed project will 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 and the Miami-Dade County Public Works Manual.
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 3A, 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 will 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.

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. – Although the proposed project is located adjacent to a wetland, no work would be done within the wetlands and proper turbidity controls would be implemented as set forth in Number 1 above. Therefore, the proposed project is not reasonably expected to adversely affect wetland soils suitable for habitat.

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 project is not located within a designated “Mangrove Protection Area.”

Objective 1/ Policy 1B - Natural surface flow into and through coastal wetlands. – Although the proposed project is located adjacent to a wetland, no work would be done within the wetlands and proper turbidity controls will be implemented as set forth in Number 1 above.

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. – Although the proposed project is located adjacent to a wetland, no work would be done within the wetlands and proper turbidity controls will be implemented as set forth in Number 1 above.

Objective 1/Policy 1E - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – Although the proposed project is located adjacent to a wetland, no work would be done within the wetlands and proper turbidity controls will be implemented as set forth in Number 1 above.

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. –The proposed project does not involve dredging or filling of grass/algal flats, hard bottom, or other viable benthic communities.

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

Objective 3/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. - While the installation of a new boathouse would be considered a non-water dependent use, the boathouse at the subject property is a historic structure that has previously facilitated a water-dependent use. The Applicant is proposing to stabilize the boathouse through the replacement of the existing riprap foundation with a concrete wall and additional riprap. In addition, the dock replacement in the same footprint will improve the existing water-dependent use at site.

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 is consistent with the criteria used to determine appropriateness of the project site.

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) - The proposed project is in conformance with the Biscayne Bay Management Plan.

30. **Conformance with the Miami-Dade County Manatee Protection Plan** - The proposed project has been evaluated for consistency with the Miami-Dade County Manatee Protection Plan. The project site is located within an area identified by the Manatee Protection Plan (MPP) as essential manatee habitat and recommended by the MPP for Residential Docking: 1 Motorboat per 100 feet of Developable Shoreline. However, the MPP provides for an existing marine facility to continue with the existing use and to renovate as long as there is no change in the facility size and no increase in the number of slips. The proposed dock replacement would be within the same footprint as previously authorized by Class I permit CC97-020 and the use of the dock would be restricted to the mooring of a historic vessel, shallow draft sailboats, non-motorized vessels, and vessels with less than 5 horsepower provided the drafts are less than 1 foot pursuant to Environmental Quality Control Board Order No. 99-45. Furthermore, the Class I permit would require that all standard construction permit conditions regarding manatee protection be followed during all in-water operations.

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, Florida, applications for Class I permits by the State of Florida Department of Environmental Protection within its own jurisdiction shall not be required to submit a substantiating letter or plan approval from the applicable zoning authority.

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.
34. **Maximum Protection of a Wetland's Hydrological and Biological Functions** – Although the proposed project is located adjacent to a wetland, no work would be done within the wetlands and proper turbidity controls will be implemented 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. 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:

- (f) A physical modification necessary to protect public or private property.


24-48.3 (3) Minimum Water Depth Required for Boat Slips Created by the Construction or Placement of Fixed or Floating Docks and Piers, Piles and Other Structures Requiring a Permit Under Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County – The proposed dock replacement would be in an area without the minimum Code required water depth of four feet NOAA Mean Low Water; however, the dock replacement would be within the same footprint as previously authorized by Class I permit CC97-020 and the use of the dock would be restricted to the mooring of a historic vessel, shallow draft sailboats, non-motorized vessels, and vessels with less than 5 horsepower provided the drafts are less than 1 foot pursuant to Environmental Quality Control Board Order No. 99-45, which provided a variance of the water depth requirement.

24-48.3 (4) Clean Fill in Wetlands – Not applicable.

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

Attachment E

South Florida Water Management District Permit



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

May 26, 2020

** Delivered via email*

Philip Stone *
FDEP Division Of Recreation and Parks
3900 Commonwealth Boulevard Ms 520
Tallahassee, FL 32399

**Subject: Exemption for Barnacle Historic State Park Dock Repair
Application No. 200505-3362
Exemption No. 13-103418-P
Miami-Dade County**

Dear Mr. Stone:

The South Florida Water Management District (District) reviewed the information submitted for the proposed repair and replacement of a 540-square foot dock and installation of 36-linear feet of rip rap, an upland retaining wall, and a 480-square foot concrete platform and has determined that the proposed project is exempt from the requirement to obtain an Environmental Resource Permit, pursuant to subsection 373.406(6), Florida Statutes and rules 62-330.051(5)(d) and (12)(b), Florida Administrative Code.

This project proposes the repair and replace of a 540-square foot dock in the same location and configuration as the existing dock and the installation of 36-linear feet of rip rap within 18 inches waterward of the existing rip rap. Additionally, this project also proposes the installation of a upland retaining wall and a 480-square foot concrete platform of which 84-square feet is located overwater. Please refer to Exhibit 1.0 and 2.0 for a location map and project plans, respectively.

In addition, a Letter of Consent is authorized for the use of state-owned sovereign submerged lands on/over which the dock structure and portion of the concrete platform is located and is subject to the general conditions for authorization for the use of sovereign submerged lands (enclosed).

Activities that qualify for this exemption must be conducted and operated using appropriate best management practices and in a manner which does not cause or contribute to a water quality violation. Pursuant to Chapters 62-302 or 62-4, Florida Administrative Code.

This letter does not relieve you from the responsibility of obtaining other permits (federal, state or local) which may be required for the project.

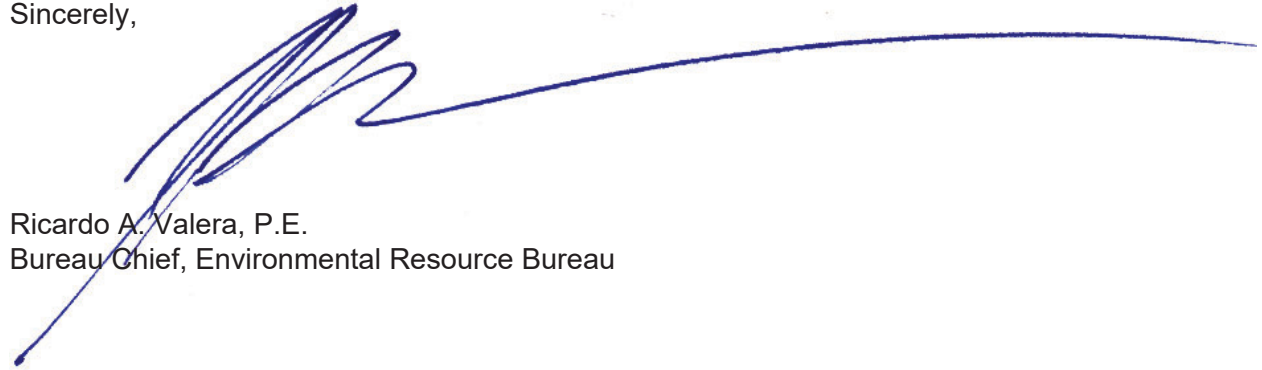
The determination that this project qualifies as an exempt activity may be revoked if the installation is substantially modified, if the basis of the exemption is determined to be materially incorrect, or if the installation results in violation to state water quality standards. Any changes made in the construction plans or location of the project may necessitate a permit from the District. Therefore you are advised to contact the District before beginning any work in wetlands which is not specifically described in the submittal.

The notice of determination that the project qualifies as an exempt activity constitutes final agency action by the District unless a petition for administrative hearing is filed. Upon timely filing of a petition, this Notice will not be effective until further Order of the District. If you have any

FDEP Division Of Recreation and Parks
Barnacle Historic State Park Dock Repair, Application No. 200505-3362
May 26, 2020
Page 2

questions concerning this matter, please contact Katie Lizza, Environmental Analyst 2 at (561) 682-6058 or klizza@sfwmd.gov, and John Ramey, Engineering Specialist IV at (561) 682-2035 or jramey@sfwmd.gov.

Sincerely,



Ricardo A. Valera, P.E.
Bureau Chief, Environmental Resource Bureau

c: Amanda Montgomery, WGI, Inc *

**General Conditions for Authorizations for Use of Sovereign Submerged Lands, Rule
18-21.004(7), F.A.C.**

All authorizations granted by rule or in writing under Rule 18-21.005, F.A.C., except those for aquaculture activities and geophysical testing, shall be subject to the general conditions as set forth in paragraphs (a) through (i) below. The general conditions shall be part of all authorizations under this chapter, shall be binding upon the grantee, and shall be enforceable under Chapter 253 or Chapter 258, Part II, F.S.

(a) Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignly submerged land unless cured to the satisfaction of the Board.

(b) Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.

(c) Authorizations may be modified, suspended or revoked in accordance with their terms or the remedies provided in Sections 253.04 and 258.46, F.S., or Chapter 18-14, F.A.C.

(d) Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.

(e) Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in Rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.

(f) Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.

(g) Structures or activities shall not create a navigational hazard.

(h) Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This shall not be construed to prohibit the repair or replacement subject to the provisions of Rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.

(i) Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under paragraph 18-21.004(1)(g), F.A.C., or any other applicable law.

Exhibits

The following exhibits to this permit are incorporated by reference. The exhibits can be viewed by clicking on the links below or by visiting the District's ePermitting website (<http://my.sfwmd.gov/ePermitting>) and searching under this application number 200505-3362 .

[Exhibit No. 1.0 Location Map](#)

[Exhibit No. 2.0 Project Plans](#)

NOTICE OF RIGHTS

As required by Chapter 120, Florida Statutes, the following provides notice of the opportunities which may be available for administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, or judicial review pursuant to Section 120.68, Florida Statutes, 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. Some of the legal proceedings detailed below may not be applicable or appropriate for your situation. 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 (District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Florida Statutes. Persons seeking a hearing on a District decision which affects or may affect their substantial interests shall file a petition for hearing 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, Florida Statutes; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Florida Statutes. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, posting, or publication that the District has taken or intends to take final agency action. Any person who receives written notice of a District 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 that materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional point of entry pursuant to Rule 28-106.111, Florida Administrative Code.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Florida Statutes, 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 District may grant the request for good cause. Requests for extension of time must be filed with the District 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 whether the District 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. 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 the District's 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 District's security desk does not constitute filing. It will be necessary to request that the District's security officer contact the Office of the District Clerk. An employee of the District's Clerk's office will receive and process 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.

INITIATION OF ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Rules 28-106.201 and 28-106.301, Florida Administrative Code, initiation of an administrative hearing shall be made by written petition to the District 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, District file number or any other District identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner, petitioner's attorney or qualified 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 District'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 District's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the District'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 District to take with respect to the District's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Florida Statutes, and Rules 28-106.111 and 28-106.401–405, Florida Administrative Code. The District is not proposing mediation for this agency action under Section 120.573, Florida Statutes, at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Florida Statutes, and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final District action may seek judicial review of the District's final decision by filing a notice of appeal with the Office of the District Clerk 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 appropriate district court of appeals via the Florida Courts E-Filing Portal.

Attachment F

US Army Corps of Engineers Permit



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

REPLY TO
ATTENTION OF

July 23, 2020

Regulatory Division
South Permits Branch
South Permits Section
SAJ-2020-01212 (NW-AG)

FDEP Division of Recreation and Parks
c/o Philip Stone
3900 Commonwealth Blvd, MS 520
Tallahassee, FL 32399

Dear Mr. Stone:

The U.S. Army Corps of Engineers (Corps) assigned your application for a Department of the Army permit, which the Corps received on 6 May 2020 the file number SAJ-2020-01212. A review of the information and drawings provided indicates that the project is to repair and replace the existing 540 square foot L-shaped dock in the same footprint and using the existing wood piles. The project will also include the repair and stabilization of 36 linear feet of shoreline by installing a new retaining wall behind the existing riprap shoreline and repairing and replacing the existing riprap to a distance extending a maximum of 8 feet from the mean high water line. The total area to be stabilized below the mean high water line will be 90 square feet and the total volume will be 2.8 cubic yards. Temporary turbidity curtains will be deployed during the construction phase and will remain until the project work is complete

The project would affect waters of the United States associated with Biscayne Bay. The project site is located at 3485 Main Highway in Section 21, Township 54 South, Range 41 East, Coconut Grove, Florida 33133 (Folio # 01-4121-045-0050).

Your project, as depicted on the enclosed drawings, date stamped by the U.S. Army Corps of Engineers on 17 April 2020 is authorized by Nationwide Permit (NWP) Number 3/13. In addition, project specific conditions have been enclosed. This verification is valid until **March 18, 2022**. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's

Regulatory Internet page to access Internet links to view the Final Nationwide Permits, Federal Register Vol. 82, dated January 6, 2017, specifically pages 1983 to 2008, and the table of Regional Conditions. The Internet page address is:

<http://www.saj.usace.army.mil/Missions/Regulatory.aspx>

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to click on "Source Book"; and, then click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 3/13. Enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with this verification:

1. **REPORTING ADDRESS:** The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to the following address:
 - a. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Special Projects and Enforcement Branch, 9900 SW 107th Ave., Suite 203, Miami, FL 33176-2785.
 - b. For electronic mail SAJ-RD-Enforcement@usace.army.mil (not to exceed 10 MB).The Permittee shall reference this permit number, SAJ-2020-01212 (NW-AG)
2. **COMMENCEMENT NOTIFICATION:** Within 10 days from the date of initiating the work authorized by this permit. The Permittee shall provide a written notification of the date of commencement of authorized work to the Corps.
3. **SELF-CERTIFICATION:** Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.

4. **POSTING OF PERMIT:** The Permittee shall ensure that all contractors, sub-contractors, and entities associated with the implementation of the project review, understand, and comply with the approved plans and special conditions made part of this permit. The Permittee shall inform all parties associated with the activity of the construction area boundaries, and the location of adjacent *wetland shoreline, sea grass, corals, hardbottom* to be avoided. Complete copies of the permit and approved plans shall be available at the construction site at all times. Failure to comply with the approved plans and permit special conditions may subject the Permittee to enforcement action.
5. **AGENCY CHANGES/APPROVALS:** Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the Permittee is advised a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification of this permit from the **Miami** Permits Section. The Corps reserves the right to fully evaluate, amend, and approve or deny the request for modification of this permit.
6. **MANATEE CONDITION:** The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011," attached to this permit.
7. **TURBIDITY BARRIERS:** Prior to the initiation of any of the work authorized by this permit the Permittee shall install floating turbidity barriers with weighted skirts that extend to within one foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all erodible materials have been stabilized.
8. **ASSURANCE OF NAVIGATION AND MAINTENANCE:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
9. **BEST MANAGEMENT PRACTICES:** Environmental controls and best

management practices must be implemented to properly contain construction materials and prevent fugitive particulates from entering surrounding waters during the construction of the project.

10. Historic Properties:

a. No structure or work shall adversely affect impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.

b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition ; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist and from the Corps.

11. JAXBO: Jacksonville District Programmatic Biological Opinion (JAXBO), November 2017, Project Design Criteria (PDCs): Structures authorized under this permit must comply with all applicable PDCs, based on the permitted activity, as required by JAXBO. Please note that failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take, and noncompliance with this permit. The NMFS is the appropriate authority to enforce the terms and conditions of JAXBO. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division internet webpage in the Endangered Species section of the Sourcebook located at:
<http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>

Note - JAXBO may be subject to revision at any time. The most recent version of these conditions must be utilized during the design and construction of the permitted work. In accordance with the Endangered Species Act, and for those projects which do not comply with JAXBO, the Corps will seek individual consultation with the NMFS.

Note - some authorized activities may deviate from the PDCs. In cases, where the activity (i.e., structure dimensions, length, etc.) deviates from the PDCs, the permit drawings shall supersede the PDCs.

For each of the following authorized activities subject of this permit, the permittee shall adhere to the following PDCs, which are attached to, and made part of, this authorization/verification letter:

Activity 1 - Shoreline Stabilization: (AP.1-14; A1.1-12; S.1; S.2; S.4)

Activity 2 - Pile-supported Structures and Anchored Buoys: (AP.1-14; A2.1-16; S.1; S.2; S.4)

12. Clean fill: The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact me by telephone at 305-779-6055.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Sincerely,

GONZALEZ.ALBERTO.1299557886 Digitally signed by
GONZALEZ.ALBERTO.1299557886
6
Date: 2020.07.23 17:55:05 -04'00'

Albert Gonzalez
Project Manager

Enclosures:

General Conditions
Project Design Criteria (PDCs) for In-Water Activities
PDC's for Activity 1, 2
Manatee Construction Conditions
Seaturtle and Sawfish Conditions
Self-Certification Statement of Compliance
Permit transfer form
Site plans date-stamped by the Corps on July 23, 2020

GENERAL CONDITIONS
33 CFR PART 320-330

1. The time limit for completing the work authorized ends on **March 18, 2022**.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2020-01212 (NW-AG)

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

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

(TRANSFEEE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: SAJ-2020-01212

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

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

PROPERTY IS INACCESSIBLE WITHOUT PRIOR NOTIFICATION: YES _____ NO _____

**TO SCHEDULE AN INSPECTION PLEASE CONTACT _____
AT _____**

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

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

Describe Mitigation completed (if applicable): _____

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

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

Signature of Permittee


Date



MEMORANDUM
(Revised)

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

DATE: June 1, 2022

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 5(G)

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(G)
6-1-22

RESOLUTION NO. _____

RESOLUTION TAKING ACTION ON A CLASS I PERMIT APPLICATION BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THE FILLING OF TIDAL WATERS IN ASSOCIATION WITH REPAIRS TO THE BARNACLE HISTORIC STATE PARK'S BOATHOUSE AND THE REPLACEMENT OF A DOCK LOCATED AT 3485 MAIN HIGHWAY, 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 filling of tidal waters in association with repairs to the Barnacle Historic State Park's boathouse and the replacement of a dock located at 3485 Main Highway, 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 | |

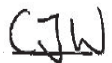
The Chairperson thereupon declared this resolution duly passed and adopted this 1st day of June, 2022. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by 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