

Memorandum



Date: October 20, 2020

To: Honorable Chairwoman Audrey M. Edmonson
and Members, Board of County Commissioners

Agenda Item No. 5(O)

From: Jack Osterholt, Director
Department of Regulatory and Economic Resources

Subject: Class I Permit Application by the City of Miami for boat ramp redevelopment in the Marine Stadium Basin

Recommendation

I have reviewed the attached application for a Class I permit by the City of Miami 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 3501 Rickenbacker Causeway, Miami, Florida, in Commission District 7, which is represented by Commissioner Xavier L. Suarez.

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 redevelopment of the existing boat ramp within the Marine Stadium Basin, to include the filling of tidal waters and the excavation of a portion of the upland property. The proposed scope of work also includes maintenance dredging, riprap installation, mangrove trimming and alteration, and the installation of two fixed and floating piers associated with the ramp. The proposed project is required to be reviewed and approved by the Board at a public hearing because the filling associated with the ramp 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 property is located in the Marine Stadium Basin within Biscayne Bay, and contains a dilapidated concrete boat ramp installed along a partially unconsolidated shoreline. DERM conducted a biological assessment of the project area and documented that the existing boat ramp has worn away and degraded in some areas leaving the substrate within the footprint of the existing boat ramp with irregular surface topography. In addition, the DERM biologists documented that the substrate adjacent to the project area consists of rock rubble and sandy sediments, also with an irregular

surface. In order to install the proposed boat ramp, the City intends to level the substrate through the removal of the existing ramp and the filling and maintenance dredging of tidal waters to create a uniform surface. Once leveled, an 86 foot wide by 60 foot long concrete ramp would be installed within a portion of the footprint of the existing ramp. In order to improve the functionality of the facility and to avoid navigational issues with the adjacent docking facility to the west, the new ramp would be expanded outside of the footprint of the existing ramp.

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. In order to accommodate the appropriate pitch and slope of the ramp, the substrate would need to be leveled through the dredging and filling of the project area. This proposed work is the minimum necessary to facilitate the launching and retrieval of vessels using the ramp and therefore complies with the criteria listed in Section 24.48.3(2)(c) of the Code because it is the minimum dredging and filling for the creation and maintenance of the marina facility.

In addition to the above proposed filling, the City is also proposing to install two fixed and floating piers to facilitate the loading and unloading of vessels to be launched at the facility. Riprap would be installed underneath the proposed piers as well as around the perimeter of the new ramp. To install the new ramp, the City is requesting authorization for the minimal trimming and alteration of 365 square feet of mangroves growing along the subject shoreline. The City is also requesting authorization for future maintenance trimming to provide clearance for the ramp. The proposed piers, placement of riprap, and mangrove trimming are identified by the Code as work that can be processed administratively and are only coming before the Board because the aforementioned work is included in the subject application.

Based on the reasons herein and in the Project Report, DERM recommends approval of the filling of tidal waters in association with the installation of a new boat ramp, and the installation of the piers, riprap, and mangrove trimming.

Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized. Section 24-48.4 of the Code also requires mitigation for permissible projects that otherwise result in unavoidable environmental impacts. In an effort to avoid and minimize impacts to benthic resources, a portion of the proposed ramp will be installed within the footprint of the existing ramp; however, in order to address issues with the functionality of the ramp and navigational issues of the adjacent docking facility, the proposed ramp would be expanded outside the footprint of the existing ramp, resulting in impacts to 2,759 square feet of non-federally listed seagrasses. Additionally, the expansion of the ramp will also result in the trimming and alteration of 365 square feet of mangrove canopy. 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 will require that turbidity controls be utilized during all phases of construction to ensure compliance with State and County water quality standards. Mitigation for unavoidable temporary impacts to water quality associated with the filling and maintenance dredging of tidal waters and for impacts to benthic resources and mangroves associated with the installation of the ramp will be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund.

Please note that there are no riparian owners within 300 feet of the proposed project. Therefore, no courtesy notices were sent out for this application.

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: DERM Project Report

Attachment A
Class I Permit Application

RECEIVED

FOR DEPARTMENTAL USE ONLY

Date Received: <u>MAR 11 2019</u> NATURAL RESOURCES DIVISION DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES	Application Number: <u>CU-2019-0115</u> Application Fee: <u>\$28,750 / \$28,750</u>
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Application must be filled out in its entirety. Please indicate N/A for non-applicable fields.

1. Applicant Information: Name: <u>City of Miami c/o Daniel Rotenberg</u> Address: <u>444 SW 2nd Ave, 3rd Floor</u> <u>Miami, Florida</u> Zip Code: <u>33130</u> Phone #: <u>305-416-1458</u> Fax #: <u>305-416-1019</u> Email: <u>drotenberg@miami.gov</u> * This should be the applicant's information for contact purposes.	2. Applicant's Authorized Permit Agent: Agent is allowed to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application. Name: <u>Colin Henderson, T.Y. Lin International</u> Address: <u>201 Alhambra Circle, Suite 900</u> <u>Coral Gables, Florida</u> Zip Code: <u>33134-</u> Phone #: <u>305-714-4037</u> Fax #: <u>305-567-1771</u> Email: <u>colin.henderson@tylln.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): 01-4217-000-0030 Latitude: 25.744122 Longitude: -80.171008
 Street Address: 3501 Rickenbacker Causeway, Virginia Key Section: 17 Township: 54S Range: 42E
 In City or Town: Miami Near City or Town: _____
 Name of waterway at location of the activity: Biscayne Bay

4. Describe the proposed activity (check all that apply):

<input checked="" type="checkbox"/> Seawall	<input checked="" type="checkbox"/> Dock(s)	<input type="checkbox"/> Boatlift	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mangrove Trimming
<input checked="" type="checkbox"/> New/Replacement Seawall	<input type="checkbox"/> Pier(s)	<input type="checkbox"/> Mooring Piles	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Mangrove Removal
<input type="checkbox"/> Seawall Cap	<input type="checkbox"/> Viewing Platform	<input type="checkbox"/> Fender Piles	<input type="checkbox"/> New	
<input type="checkbox"/> Batter Piles		<input type="checkbox"/> Davits	<input type="checkbox"/> Filling	
<input type="checkbox"/> King Piles				
<input type="checkbox"/> Footer/Toe Wall				
<input checked="" type="checkbox"/> Riprap				

Other: Boat Ramp Reconstruction

Estimated project cost = \$ 1.1 million

Are you seeking an after-the-fact approval (ATF)? Yes 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>Recreational / transient</u> Vessel Make/Model (if known): <u>N/A</u> Draft (s)(range in inches.): <u>12" - 24"</u> Length (s)(range in feet.): <u>12' - 25'</u> Total Number of Slips: <u>8</u>
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7. List all permits or certifications that have been applied for or obtained for the above referenced work:

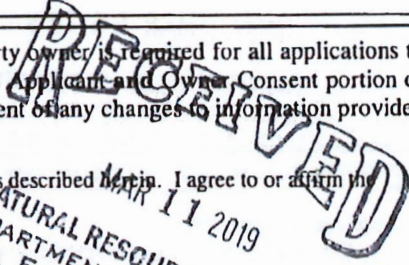
Issuing Agency	Type of Approval	Identification Number	Application Date	Approval Date
FDEP/USACE	ERP/SP	13-306513-011/SAJ-201	Mar. 6, 2108	Nov. 28, 2018/Pend

8. Contractor Information (If known):

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

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

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



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


A. IF APPLICANT IS AN INDIVIDUAL

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

B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON
 (Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

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

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

 Daniel Rotenberg Director 3/8/19
 Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____

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

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

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

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

10. WRITTEN CONSENT OF THE PROPERTY OWNER OF THE AREA OF THE PROPOSED WORK

I/We are the fee simple owner(s) of the real property located at 3501 Rickenbacker Causeway, Virginia Key Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio No. 01-4217-000-0030

I am aware and familiar with the contents of this application for a Miami-Dade County Class I Permit to perform the work on or adjacent to the subject property, as described in Section 4 of this application. I possess the riparian rights to the area of the proposed work (if applicable) and hereby consent to the work identified in this Class I Permit application.

A. IF THE OWNER(S) IS AN INDIVIDUAL

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

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

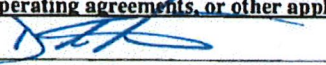
B. IF THE OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON

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

City of Miami _____ Government _____ Florida _____
Print Name of Owner (Enter the complete name as registered) Type (Corp, LLC, LLP, etc.) State of Registration/Incorporation
444 SW 2nd Ave, 3rd Floor, Miami, Florida 33130

Address of Owner _____

Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Owner, to bind the Owner, and if so required to authorize the issuance of a bond on behalf of the Owner. (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.*****

 Daniel Rotenberg Director _____ 5/8/19 _____
Signature of Authorized Representative Print Authorized Representative's Name Title Date

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

Please Review Above
Appropriate signature(s) must be included in:
Box 9: either A, B or C
AND
Box 10: either A or B

RECEIVED

MAR 11 2019

NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATORY
AND ECONOMIC RESOURCES

Attachment B

Owner/Agent Letter, Engineer Letter and Project Sketches

PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT

January 30, 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-2019-0115

By the attached Class I Standard Form permit application with supporting documents, I, Colin Henderson, am the authorized agent and hereby request permission to perform the work associated with Class I Permit Application CLI-2019-0115. 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,



Colin Henderson, Authorized Agent

ENGINEER LETTER OF CERTIFICATION

January 30, 2020

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

RE: Class I Permit Application Number CLI-2019-0115

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:

- a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.
- b. Harmful or increased erosion, shoaling of channels or stagnant areas of water. (Not applicable to class IV permits)
- c. Material injury to adjacent property.
- d. Adverse environmental impacts from changes in water quality or quantity. (Applicable to class IV permits only)

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

Sincerely, No. 68918

Francisco Alonso P.E.
P.E. # 68918



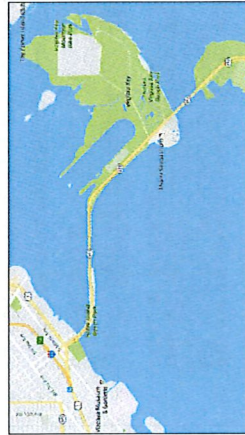
MIAMI MARINE STADIUM BOAT RAMP

FOR
CITY OF MIAMI
VIRGINIA KEY, FL 33149



Commission:

- Mayor
Francis Suarez
- D1 Commissioner
Wilfredo (Willy) Gort
- Vice Chairman/ D2 Commissioner
Ken Russell
- D3 Commissioner
Joe Carollo
- D4 Commissioner
Manolo Reyes
- Chairman/ D5 Commissioner
Keon Hardemon
- City Manager
Emilio T. Gonzalez, Ph.D.
- Capital Improvements Program Director
Steven C. Williamson



VICINITY MAP N.T.S.



LOCATION:
3501 RICKENBACKER CSWY Miami, FL 33149-1021

LEGAL DESCRIPTION:
17 18 54 42 20.487 AC MIL BEG 1709.52FTW & 1954.40FTNW OF SE COR OF SEC TH N 45 DEG W 3075FT S 00 DEG W 650FT 45 DEG E2620FT N 44 DEG E 460FT TO POB LESS BEG 1709FTS & 1954.40FTNW OF SE COR OF SEC TH SW263FT NW90FT NE63FT NW245FT NE200FT SE335FT TO POB LESS PORT OF CITY OF MIAMI OWNED LAND ON VIRGINIA



INDEX OF DRAWINGS
P-1.0 COVER SHEET
P-2.0 GENERAL NOTES
P-3.0 SITEPLAN
P-4.0 GRADING PLAN
P-5.0 TURBIDITY CONTROL
P-6.0 ENVIRONMENTAL IMPACTS
CM-1.0 GENERAL NOTES BOAT RAMP
CM-1.1 EXISTING CONDITIONS
CM-2.0 PROPOSED BOAT RAMP PLAN
CM-2.1 BOAT RAMP LONGITUDINAL SECTION
CM-2.2 DOCKS CROSS SECTION
CM-2.3 DETAIL
CM-2.4 PROPOSED GRADING PLAN
CM-3.0 FLOATING DOCK SPECIFICATIONS

GOVERNING STANDARDS AND SPECIFICATIONS:
 - FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS AND SPECIFICATIONS FOR BRIDGE CONSTRUCTION DATED 2014, AS AMENDED BY CONTRACT DOCUMENTS.
 - CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION DATED DECEMBER 2010
 - MIAMI 21 CODE DATED MAY 2010.



CITY OF MIAMI
OFFICE OF CAPITAL IMPROVEMENTS
201 RICKENBACKER CIRCLE
MIAMI MARINE STADIUM
CITY OF MIAMI, FLORIDA

TFLUNINTERNATIONAL
201 ALHAMBRA CIRCLE • SUITE 900
CORAL GABLES, FLORIDA
PHONE: (305) 567-1888 • FAX: (305) 567-1771
www.tflun.com

CRAWMS | GEORBERG
Civil & Marine Engineering
CORP # 29066
1300 E. 95th AVE. SUITE 217
SOUTH MIAMI, FLORIDA 33156
TEL: (305) 414-6159 FAX:
305-414-1599

FRANCISCO ALONSO, P.E.
REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 12857
Exp. 12/31/2014

DATE	NO.	REV.
12-29-2014	1	01

COVER SHEET P-1

PROJECT MIAMI MARINE STADIUM BOAT RAMPS REVENUE/LOSER COURSEWAY MIAMI, FLORIDA 33135	
201 Alhambra Circle Suite 800 Coral Gables, Florida 33134 Tel: 305-567-1888 Fax: 305-567-1771	
MARINE ENGINEER CUMMINS CEDERBERG, INC. 25001 BUCKLEBOURNE DRIVE SUITE 100 FORT LAUDERDALE, FL 33404 TEL: 305-741-8155 FAX: 41 WWW.CUMMINSCEDERBERG.COM COV. # 20092	
CUMMINS CEDERBERG <i>Contract & Marine Engineering</i>	
SCALE	
FRANCISCO J. ALONSO P.E. REG. 8816	
SUBMISSION / REVISION	
DATE	
SHEET TITLE	
CE PROJECT INDUSTRIES 14 10000 SUITE 100 MIAMI, FL 33156	
SCALE	
SHEET TITLE	
GENERAL NOTES	
SHEET	
P-2.0	

ENVIRONMENTAL NOTES

- ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
- THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE PROJECT ENGINEER AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE.
- NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN ENVIRONMENTALLY SENSITIVE AREAS.
- CONTRACTOR SHALL NOT STAGE OR OPERATE EQUIPMENT WITHIN THE DRIPLINE OF TREES.
- CONTRACTOR TO PROVIDE A CERTIFIED ARBORIST WHO WILL DETERMINE ANY ROOT PRUNING AND ANY OTHER TRIMMING ACTIVITIES. COST TO BE INCIDENTAL TO CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

STRUCTURAL NOTES

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOOT 2020-21 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.

STRUCTURAL DESIGN SHALL BE IN ACCORDANCE WITH THE 2020 FOOT DESIGN MANUAL, AND SUBSEQUENT STRUCTURES DESIGN BULLETINS, THE FOOT STRUCTURAL DESIGN STANDARD INDEXES/DRAWINGS, AS AMENDED BY CONTRACT DOCUMENTS, AND ALL SUBSEQUENT INTERIMS.

ENVIRONMENT IS CLASSIFIED AS EXTREMELY AGGRESSIVE.

MATERIALS

5.1. BULKHEADS REINFORCED C.I.P. CONCRETE CAP; CONCRETE CLASS V(SPECIAL) $f_c = 6,000\text{psi}$, WITH SILICA FUME, METAKAOLIN, OR ULTRA FINE FLY ASH.

CONCRETE COVER, COVER DOES NOT INCLUDE TOLERANCES. REFER TO FOOT SPECIFICATION 415 FOR ALLOWABLE TOLERANCES.

PLAN DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.

UTILITIES

8.1. LOCATIONS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS.

8.2. FOR STORM DRAINS AND OTHER UTILITIES, FOLLOW GENERAL NOTES ON PROCEDURES INVOLVING EXISTING UTILITIES.

JOINTS IN CONCRETE: CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT THE LOCATIONS INDICATED IN THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER.

CUT AND FILL OPERATIONS

10.1. THE CONTRACTOR SHALL NOTIFY ADJACENT OWNERS AND INVOLVED UTILITIES IN WRITING TWO (2) WEEKS BEFORE EXCAVATION OPERATIONS BEGIN.

10.2. QUANTITIES FOR CUT AND FILL SHOWN IN THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE BIDDING.

10.3. ANY EXCAVATED MATERIAL THAT IS DEEMED BY THE ENGINEER UNSUITABLE FOR FILLING SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT AN APPROVED FACILITY OR DUMP SITE. THE COST FOR DISPOSAL OF UNSUITABLE MATERIAL SHALL BE INCLUDED IN THE COST OF CUT AND FILL.

GENERAL NOTES

- GENERAL NOTES ON THE PROJECT PLANS AND DRAWINGS ARE SOLELY TO AID AND ASSIST THE CONTRACTOR WITH THE FIELD OPERATIONS FOR THE PROJECT. SAID GENERAL NOTES MAY NOT FULLY DESCRIBE ALL OF THE REQUIREMENTS FOR AN ITEM. THEREFORE, THE CONTRACTOR SHALL READ AND VERIFY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE PLANS, SPECIFICATIONS, GENERAL TERMS AND CONDITIONS, AND THE SUPPLEMENTAL TERMS AND CONDITIONS, TO FULLY UNDERSTAND AND COMPLY WITH ALL THE REQUIREMENTS THEREIN.
- THE CONTRACTOR MUST HAND EXCAVATE AROUND AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE EXPECTED OR SUSPECTED IN ORDER TO AVOID DAMAGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND COSTS TO CORRECT DAMAGES RESULTING FROM FAILURE TO TAKE ALL NECESSARY PRECAUTIONS INCLUDING LOCATING, MARKING AND CAREFUL EXCAVATION, AND SHOULD BE INCIDENTAL TO THE COST OF THE PROJECT.
- IT IS THE OBLIGATION OF THE BIDDER OR THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION AND SATISFY HIMSELF FULLY OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS BID. FAILURE TO DO SO, WILL NOT RELIEVE HIM OF HIS OBLIGATION TO COMPLETE THE WORK FULLY AND ACCEPTABLE TO THE ENGINEER AND THE OWNER FOR THE CONSIDERATION SET FORTH IN HIS BID.
- CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM PRINTS FOR CONSTRUCTION PURPOSES.
- ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH SUITABLE SOIL AND SOUND ST AUGUSTINE SOG IF NOT SPECIFIED OTHERWISE ON THE PLANS.
- IT IS THE INTENT OF THESE PLANS TO BE IN COMPLIANCE WITH APPLICABLE CODES OF AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, UTILITIES AND UTILITY MARKERS, WHICH MAY NOT BE SHOWN ON PLANS. ANY EXISTING STRUCTURES, PAVEMENT, TREES, UTILITIES, UTILITY MARKERS OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARILY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- ANY DISCREPANCIES IN THESE DRAWINGS WITH THE FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. CONSTRUCTION SHALL NOT CONTINUE UNTIL ENGINEER ADDRESSES THE DISCREPANCIES.

CONSTRUCTION NOTES

- ALL WORK TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF AND ACCEPTABLE TO CITY OF MIAMI PUBLIC WORKS DEPARTMENT AND MIAMI-DADE COUNTY R.E.R.
- CONTRACTOR SHALL PROVIDE HIS OWN LINE AND GRADE FROM HORIZONTAL AND VERTICAL CONTROL. CONTRACTOR SHALL ALSO PROVIDE "AS BUILT" GRADES CERTIFIED BY A REGISTERED LAND SURVEYOR AS REQUIRED BY THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT.
- BID PRICES SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS COMPLETE IN PLACE, TESTED, AND ACCEPTED BY THE ENGINEER.
- THE CONTRACTOR SHALL USE SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING INLETS AND CULVERTS CLEAN OF DEBRIS AND ANY OTHER MATERIALS USED DURING CONSTRUCTION. THIS SHALL BE DONE DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL EXISTING LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
- CONTRACTOR SHALL CONTACT SUNSHINE AT (800) 432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES.
- ALL TREES TO BE RELOCATED OUTSIDE OF CONSTRUCTION AREA WHERE FEASIBLE. UNAVOIDABLE IMPACT TO MANGROVE TREES ARE TO BE MITIGATED IN ACCORDANCE TO APPROVED PERMITS.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATION (WHERE APPLICABLE).
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
- ALL EXISTING DRAINAGE STRUCTURES AND PIPES ARE TO REMAIN AND TO BE PROTECTED UNLESS OTHERWISE SPECIFIED AND APPROVED.
- CONTRACTOR SHALL IMPLEMENT AND ENFORCE ALL NPDES EROSION AND SEDIMENT CONTROL RULES AND REGULATIONS.
- CONTRACT SHALL INCLUDE IN THE BID PRICE FOR CLEARING AND GRUBBING.

PROJECT
MIAMI MARINE STADIUM
BOAT RAMPS

BOONBLOKER CLAUSENWAY
 MIAMI, FLORIDA 33143

201 Alhambra Circle Suite
 600
 Coral Gables, Florida
 33134
 Phone: 305-567-1988
 Fax: 305-567-1771

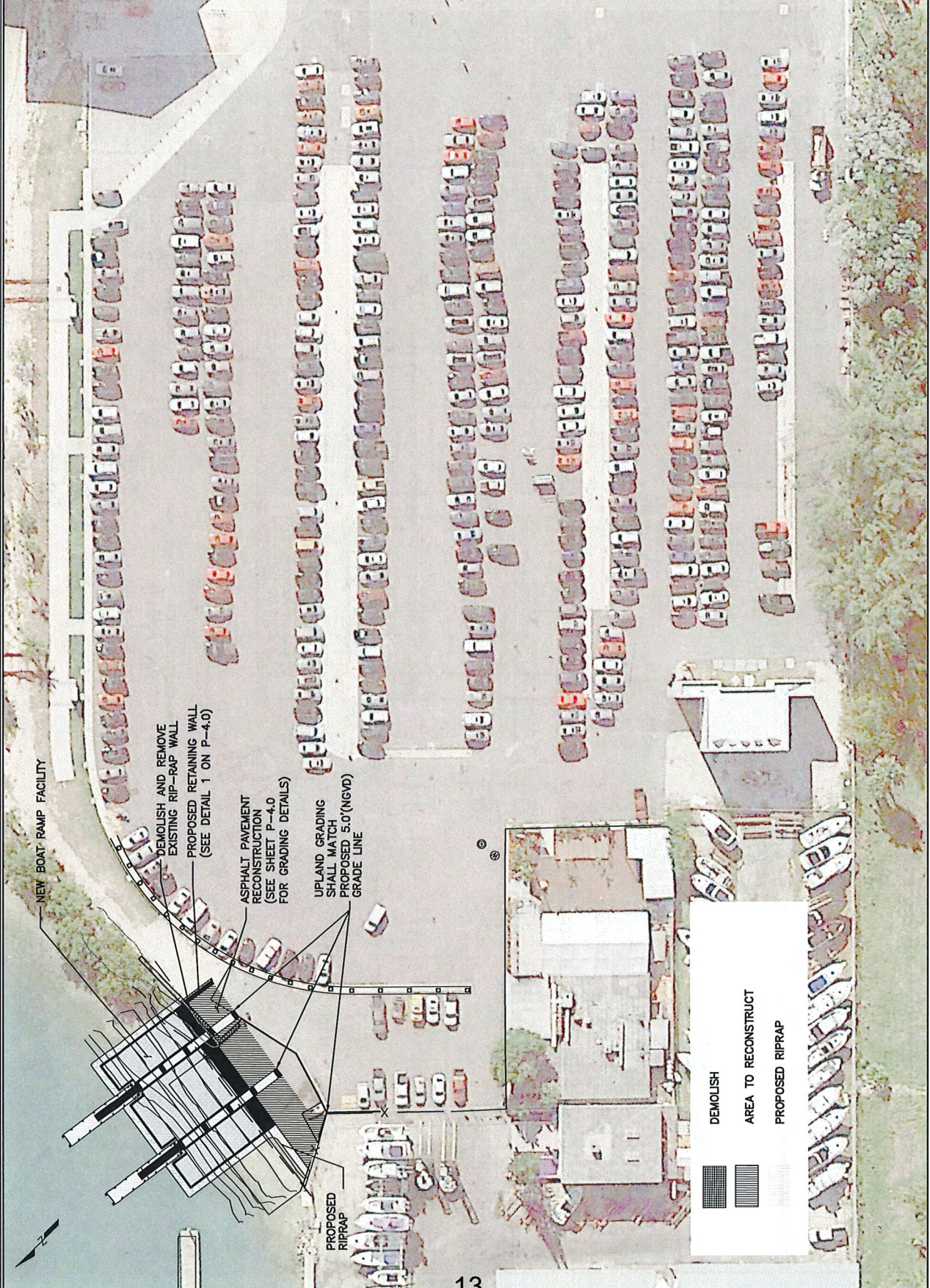
MARINE ENGINEER
CUMMINS CEDERBERG, INC.
 7550 RED ROAD, SUITE 217
 CORAL GABLES, FLORIDA 33143
 TEL: 305-567-1988
 305-567-1669
 305-567-1689
 WWW.CUMMINSCEDERBERG.COM
 CDA # 28082

CUMMINS CEDERBERG
 Coastal & Marine Engineering

DATE							
ISSUE							
SUBMISSION / REVISION							

FRANCISCO J. ALONSO
 P.E. NO. 68818

CC PROJECT NO: 0318114
 DRAWN: JMA
 CHECKED: JMS
 SCALE: 1"=50'
 SHEET TITLE: SITEPLAN
 SHEET: P-3.0



PROJECT
 MIAMI MARINE STADIUM
 BOAT RAMPS

BOONBACHER CAUSEWAY
 MIAMI, FLORIDA 33132

201 Alhambra Circle Suite
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 Coral Gables, Florida
 33134
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 MIAMI, FLORIDA 33155
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 305-574-1068 CEDERBERG@CUMMINS.COM
 CUMMINS CEDERBERG, INC.
 CUMMINS CEDERBERG
 Coastal & Marine Engineering

DATE									
ISSUE									
DATE									
SUBMISSION / REVISION									

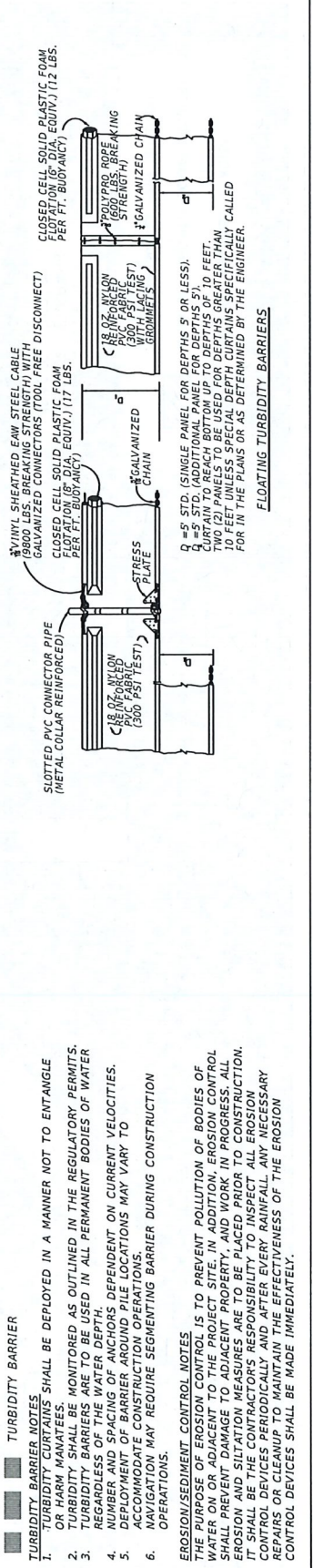
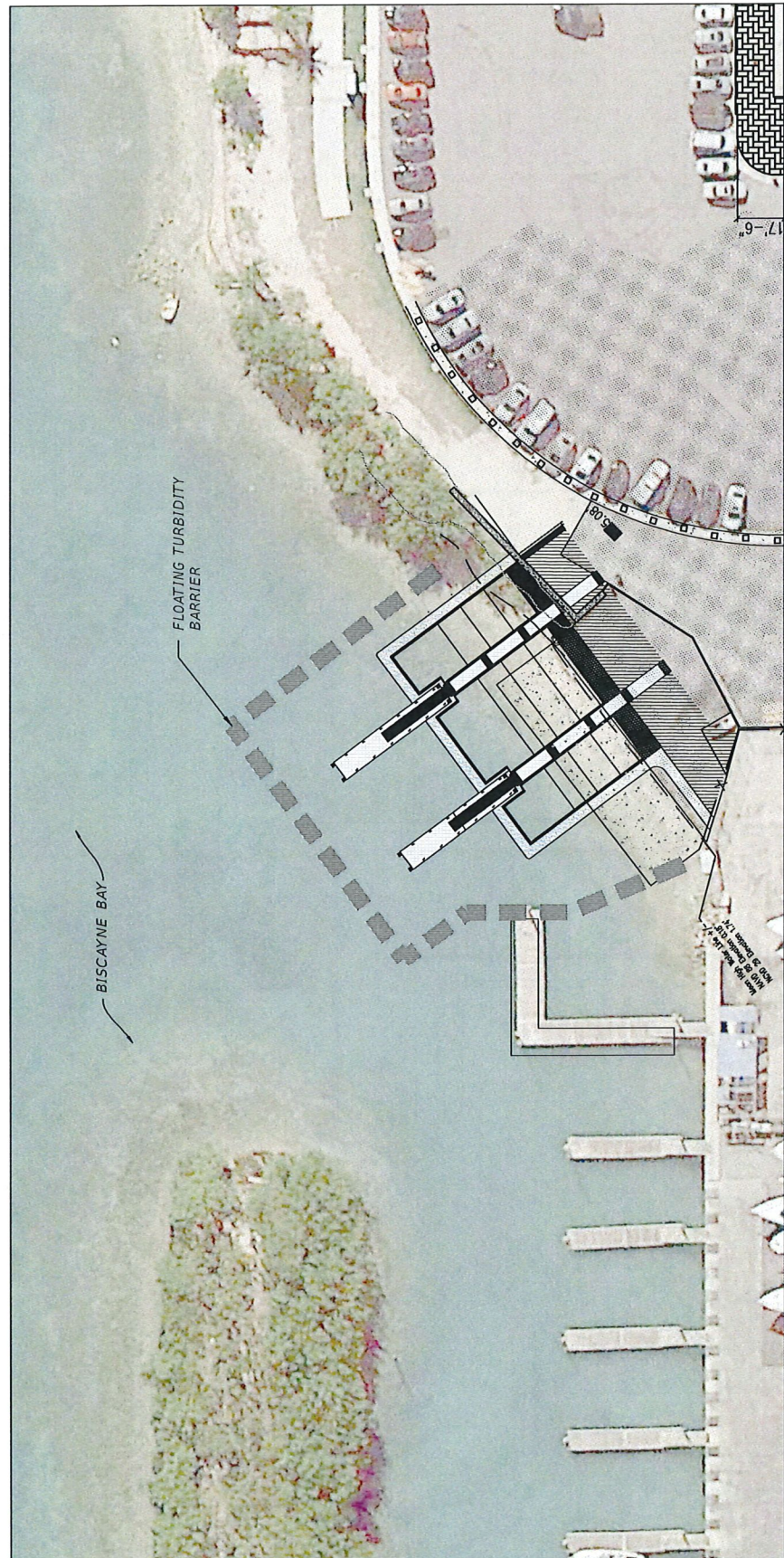
SEAL

FRANCISCO J. ALONSO
 P.E. NO. 66816

CC PROJECT NO: 15181B14
 DRAWN: JMA
 CHECKED: JMA
 SCALE: 1"=50'

SHEET TITLE
 TURBIDITY CONTROL

SHEET
 P-5.0



PROJECT
 MIAMI MARINE STADIUM
 BOAT RAMPS
 RICKENBACKER CAUSEWAY
 MIAMI, FLORIDA 33135

303 Alhambra Circle Suite
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 TEL: +1 305 741-6135 FAX: +1
 305 741-6155
 WWW.CUMMINSCEDERBERG.COM
 C.O. # 20082

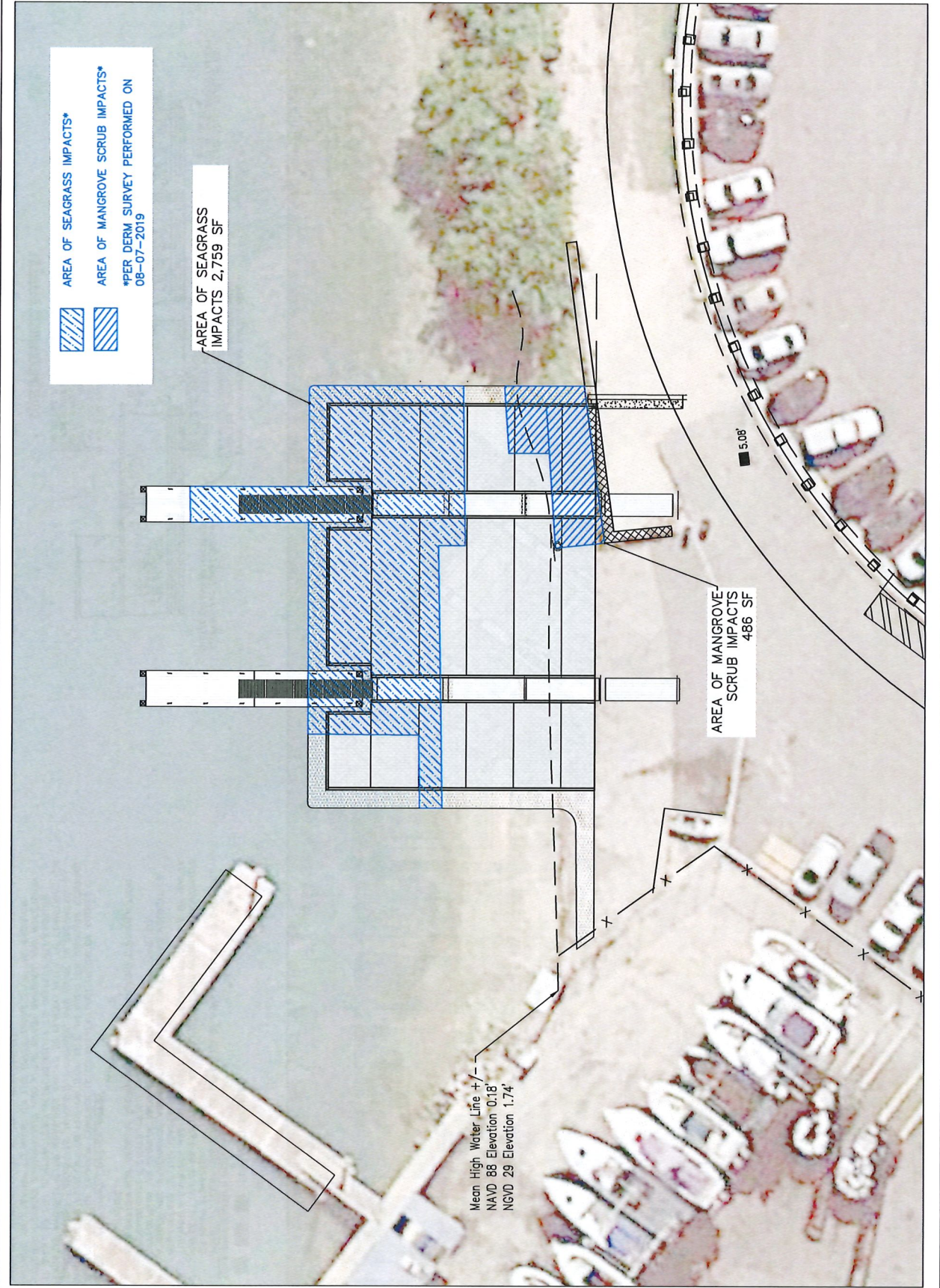
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 Coastal & Marine Engineering

ISSUE DATE	SUBMISSION / REVISION

FRANCISCO J. ALONSO
 P.E. No. 88918

CE PROJECT NO	181014
DRAWN	MA
CHECKED	
SCALE	1"=40'
SHEET TITLE	

ENVIRONMENTAL
 IMPACTS
 SHEET
 P-6.0



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PROJECT
MIAMI MARINE STADIUM
BOAT RAMPS

ROCKWELL CAUSEWAY
MIAMI, FLORIDA 33142

TYLON INTERNATIONAL
201 Alabama Circle, Suite 800
Coral Gables, Florida 33134
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QUANINS (CEDERBERG)
Consulting & Marine Engineering

DATE: 05/17/2016
ISSUE: 100% CONSTRUCTION DOCUMENTS
GENERAL COMMENTS
GENERAL MEMBERS
SUBMISSION / REVISION

CC PROJECT NO.: BR102
DRAWN: NC
CHECKED: AS SHOWN
SHEET TITLE: GENERAL NOTES
GENERAL NOTES
SHEET 7 OF 9
CM-1.0

1. General
1.1. The work consists of providing all construction, labor, equipment, material and operations in connection with the repair of the seawall and related improvements as shown on these drawings.
1.2. Any discrepancies in the plans with the field conditions shall be brought to the immediate attention of the Engineer. Construction shall not continue until the Engineer has addressed the discrepancies.
1.3. The contractor shall take all necessary precautions to protect existing structures in the project vicinity. Any damage to private or public property within the Project vicinity, including staging areas, work and access areas shall be repaired promptly by the Contractor. Any damage as a result of the Contractor's operations shall be repaired at no cost to the Owner. All access and staging areas shall be kept neat, orderly and in a safe manner. All access and staging areas shall be restored to the pre-construction condition upon project completion at the cost of the Contractor. The site shall be restored by removing and finishing all evidence for construction. In the event infrastructure (such as walkways, sidewalks, fences, vegetation, etc.) is temporarily removed or relocated or there is unauthorized damage to vegetation and/or facilities by the Contractor, the Contractor shall restore all damage to structures and natural features to pre-construction conditions or better.
1.4. Utilities are not shown in the plans. Contractor is responsible for locating all present utilities prior to construction.
1.5. Contractor is responsible for providing proper clearance and protection to all overhead wires and structures.
1.6. The Contractor shall exclude the public from the work areas in the immediate vicinity of operations. Contractor shall provide appropriate safety measures to protect the public.
1.7. All new structural work including concrete and reinforcement shall be accurately field measured and dimensions verified by the Contractor prior to ordering materials. Contractor shall be prepared to make field adjustments until all required permits and approvals have been secured.
1.8. No construction shall commence until all required permits and approvals have been secured and the contractor has been issued Notice to Proceed.
1.9. Attention is directed to the fact that these plans may have been changed in size by reproduction. This should be considered when obtaining scaled data.
1.10. Construction work shall be executed in accordance with all local, state, and national building codes and governing regulations. FDEP, USACE, and Miami Dade County. Contractor shall adhere to all conditions of the permits and exemptions.

2. Layout and Testing
2.1. All construction stakeout shall be performed by and paid for by the contractor under the supervision of a surveyor registered in the state of Florida. All testing and inspection for concrete materials shall be in accordance with FDOT specifications and shall be performed by an independent testing laboratory.

3. Demolition
3.1. Contractor shall verify the extent, location and quantities of existing elements to be removed. All items within the limits of a proposed complete facility or site by the Contractor, as directed on these drawings, shall be completely demolished.
3.2. All work shall be done in a safe and orderly manner.
3.3. Contractor shall not damage any structural components beyond the demolition requirements depicted in these drawings. Any structural damage shall be repaired at the Contractor's expense.

4. Concrete
4.1. Forms for this work shall be made of either wood or metal. They shall be straight and free of warp or bends. They shall have sufficient strength and rigidity, when stacked, to resist the pressure of the concrete without springing. If wooden forms are used, they shall be of adequate section and shall have a flat surface on top. Forms shall have a depth at least equal to the vertical dimensions for the depth of the concrete being deposited against them. When ready for the concrete to be deposited, they shall not vary from the approved line and grade, and shall be kept so until the concrete has set.
4.2. Just prior to placing the concrete any wooden forms shall be moistened and all steel reinforcing shall be rinsed with fresh water. The concrete shall be placed in the forms and tamped in place so that all honeycombs will be eliminated and sufficient mortar brought to a smooth even finish by means of a float.
4.3. Contractor shall be prepared to place concrete of lower members of the marine structures in submerged conditions utilizing tremie methods at no additional cost.
4.4. No concrete shall be poured during unfavorable weather or sea conditions.
4.5. All steel shall have a minimum of 3 inches concrete cover, unless otherwise noted. No chalis or other debris shall be placed in the concrete.
4.6. Water cement ratio (W/C) shall be less than or equal to 0.4. Provide mix design for a Class IV concrete for an extremely aggressive (marine) environment in accordance with FDOT specifications. Provide sufficient amount of fly ash and silica fume to the cement content. Contractor shall provide mix design to Engineer for approval 10 days prior to concrete placement.
4.7. No water shall be added to concrete at the job site unless authorized by the Engineer or Special Inspector.
4.8. When surface finishing is completed, the structure shall be protected against wave splash for two days and cured per applicable paragraphs of Section 400-16 of the FDOT Standard Specifications. Curing shall occur for at least 7 days.
4.9. A surface penetrant sealer of alkyl-alkoxy silane classification, such as BASF Enviroseal, or approved equal, shall be applied after, or approved equal, at construction joints prior to placement of new concrete.
4.10. Approved Sika Armatex 110 bonding agent, or approved equal, at construction joints prior to placement of new concrete.
4.11. Components not constructed according to these specifications shall be removed and replaced properly at the expense of the Contractor.
4.12. The faces of the finished structures shall be true, straight, and of uniform width, free from rumps, sags, or other irregularities except as specified in the plans. The contractor shall replace any deficient segments.

10.3.1. Weight: 90 - 260 lbs.
10.3.2. Nominal dimension: 1.5 ft.
10.3.3. The length of any rock shall not be less than one-third (1/3) of the greatest dimension of that rock. Size of rock shall not be accepted. Rock size shall be taken as the average of the rock's maximum girth measured in each of three perpendicular axes. The in-place rock shall be well graded and represent the range of size specified.
11. Geotechnical
11.1. Subgrade for ramp slab shall be prepared in accordance with geotechnical report by NV5, dated April 2018.
12. Lumber
12.1. Design is in accordance with 2017 Florida Building Code & ASCE 7-10.
12.2. All dimensional lumber shall be pressure treated, no. 1 dense grade SYP or better and comply with A.I.T.C. 109-69 specifications unless otherwise noted.
13. Geotextile
13.1. All dimensional lumber shall be pressure treated, no. 1 dense grade SYP or better and comply with A.I.T.C. 109-69 specifications unless otherwise noted.
13.2. All dimensional lumber shall be pressure treated, no. 1 dense grade SYP or better and 160# or approved equivalent.
13.3. Install geotextile as indicated on the drawings and in accordance with the manufacturer's instructions.
13.4. Place geotextile on a smooth graded surface approved by the engineer, place geotextile in immediate contact with the prepared slope such that there are no voids, in such manner that it will not be excessively stretched or torn upon placement of overlying materials.
13.5. Anchor the geotextile using anchor pins recommended by the manufacturer.
13.6. Join geotextile sheets by overlapping a minimum of 3 feet.

10.1. Concrete Formwork and Finishers:
10.1.1. The number of experienced concrete formworkers and finishers in order to complete the work. A concrete foreman who has a thorough understanding of the plans, specifications, and referenced specifications shall supervise all formworkers and finishers. No sub-standard workmanship will be accepted. Provide standard light brown finish U.N.O. Concrete.
10.1.2. Concrete delivered from a ready mix plant shall be transported in accordance with FDOT Section 345-13. Concrete that is not placed in the form within the specified time limits will be rejected and not included in the work. Contractor shall bear all costs for rejected concrete. Concrete shall not be placed in the forms until the reinforcing steel placement has been approved by the Engineer.
10.1.3. Reinforced Concrete Materials Testing:
10.1.4. The Contractor shall have an independent testing laboratory test the concrete used in the work. The test shall include 7, 14, and 28 day compressive strength tests. The results shall be supplied to the Engineer. The tests shall be in accordance with ASTM C31, C39, and C617.
10.1.5. Adhesive bonded dowels shall be installed in accordance with FDOT Section 416.
10.1.6. Precast concrete slabs shall be cast at 28 days.
10.1.7. Precast ramp slabs may be pre-cast. All other precast elements shall be cast off site, under plain-controlled conditions

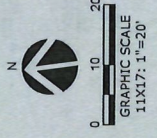
5. Steel
5.1. All reinforcing bar shall conform to ASTM A615, Grade 60, deformed bars free from loose rust and scale.
5.2. Reinforcing steel, supports, and tie wire shall be hot-dipped galvanized in accordance with ASTM A767.
5.3. MMFX or CHROMAX 4100 steel can be used as an alternate to hot-dipped galvanized steel at Contractor's option, with no additional cost to owner.
5.4. Steel shall be placed as shown in the plans. All accessories shall be plastic only to support reinforcing exposed to weather. All reinforcing steel shall be accurately located and firmly held in place before and during the placement of concrete.
5.5. WWM shall conform to ASTM A185 or A497.
5.6. Contractor to allow 10% additional reinforcing steel to be used at engineer's discretion during construction.
6. Concrete Piles
6.1. Piles shall be 14" square prestressed concrete piles with (8) 0.6" diameter strands, grade 270 ksi, LR5.
6.2. Concrete to be minimum 6,000 psi, and follow FDOT Class-V concrete specifications. Minimum concrete cover to internal reinforcement shall be 3" on all sides.
6.3. Piles shall be driven a minimum of 20 feet. Pile logs shall be recorded for all driven piles & shall be submitted to engineer for approval prior to pile cut-off or cap pour.
6.4. Piles shall be cut off at elevations shown in the plans and sections herein.
6.5. Contractor shall provide FDOT certified facility or pre-stressed concrete products.
6.6. Contractor shall provide FDOT certified facility or pre-stressed concrete products.
6.7. Piling shall be installed in accordance with geotechnical report, unless otherwise noted.
6.8. Refer to geotechnical report by NV5 dated April 24, 2018 for soil boring logs.
6.9. Piles may be pre-punched but must be driven to final tip elevation.
7. Tidal Data
7.1. Contractor may need to adjust his work plan to account for actual water levels and changing water levels. The site may be subject to variable wave and surge conditions and it is the responsibility of the contractor to provide temporary support for marine structures and shoreline during construction. Tidal data obtained from Virginia Key, Florida Station ID 8723214.

8. Submittals
8.1. Review of submittals by the structural engineer is for general conformance with the design concept as presented by the contract documents. No detailed check of quantities or dimensions will be made.
8.2. All shop drawings must bear evidence of the Contractor's approval prior to submitting to the Engineer.
8.3. The following minimum submittals shall be prepared by the Contractor and submitted to the Engineer for review and approval prior to related construction activity.
8.3.1. Construction Methods & Disposal Plan
8.3.2. Disposition Methods & Disposal Plan
8.3.3. Concrete Mix Design
8.3.4. Reinforcing Steel
8.3.5. Precast concrete piles/slabs
8.3.6. Floating Docks (specially engineered item)
8.3.7. Rock/Gravel
8.3.8. Pile caps
8.4. Submittals for specialty engineered items shall be signed/sealed by Florida Professional Engineer.

9. Design Criteria
9.1. FBC 2014, ASCE 7-10 unoccupied wind Vu1= 175 mph. VBase = 136 mph, Risk Cat. II, Exp. D, Gcpl = 0
9.2. occupied wind V= 40 mph (sustained)
9.3. Dock/Ramp LL = 100 psf.
9.4. Design Vessel LOA = 40'
9.5. Occupied Wave Ht. = 1.5 ft
9.6. Unoccupied Wave Ht. = 2 ft (Mean Range NOAA)
9.7. Storm Surge
9.8. FDOT std. spec. for road & bridge construction.
10. Rock/Reinforcement
10.1. Proposed rock source(s) must be approved for use by the engineer prior to the



NOTES:
 1. SURVEY BY E.R. BROWN & ASSOCIATES INC. DATED ON 08/04/17.
 HORIZONTAL COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE NAD 83(1990)
 2. ELEVATIONS ARE IN REFERENCE TO THE NATIONAL GEODETIC VERTICAL DATUM, 1929(NGVD29).



PROJECT
 MIAMI MARINE STADIUM
 BOAT RAMPS
 RICKENBACHER CAUSEWAY
 MIAMI, FLORIDA 33145

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 TEL: +1 305 741-4125 FAX: +1 305 974-1989
 WWW.CUMMINSCEDERBERG.COM
 CDVA # 20022

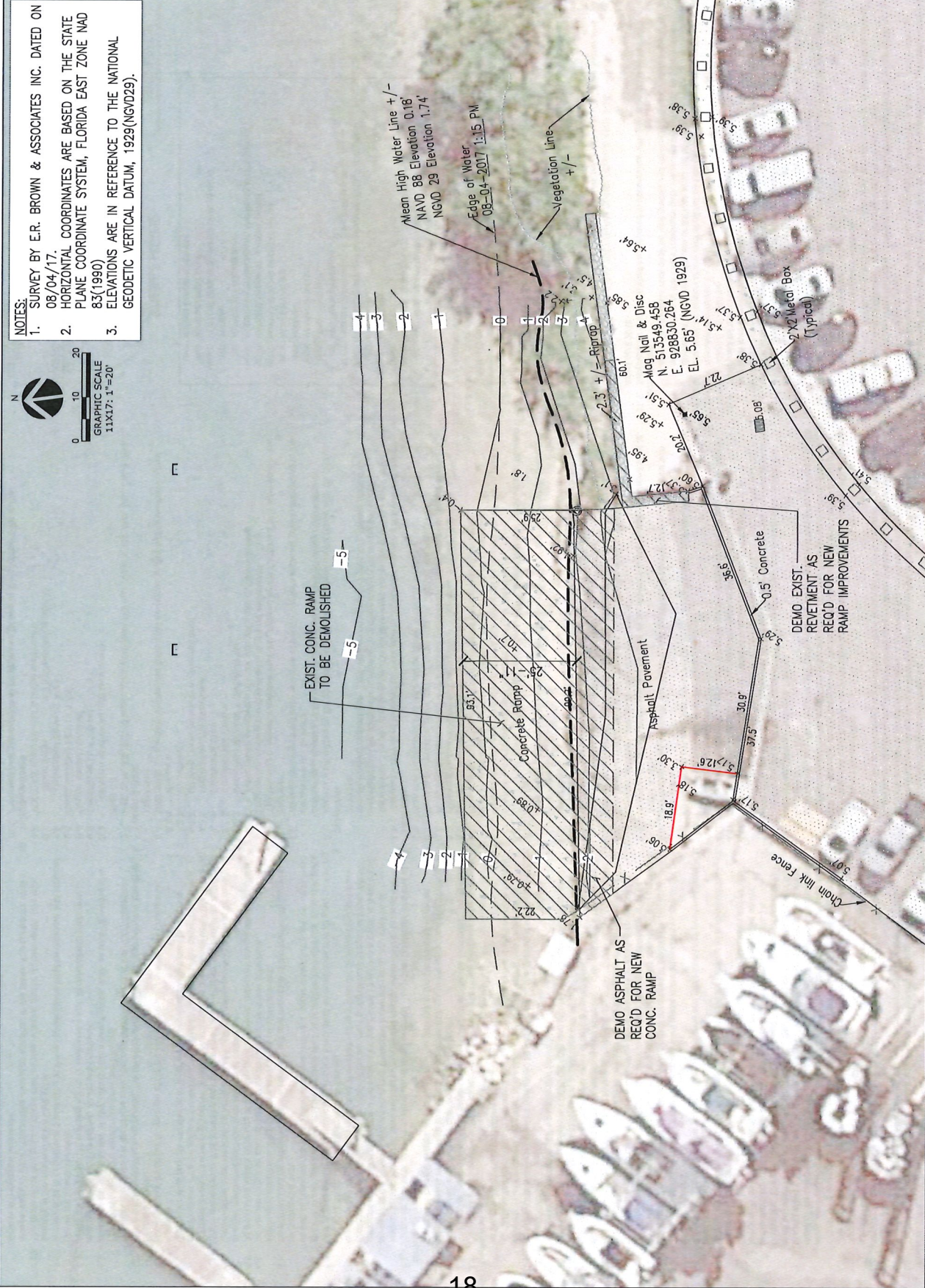
CUMMINS CEDERBERG
 Coastal & Marine Engineering

ISSUE DATE	DESCRIPTION
06/12/2018	100% CONSTRUCTION DOCUMENTS
1/22/2018	GENERAL COMMENTS
1/22/2018	GENERAL COMMENTS
12/20/2017	GENERAL REVISIONS

SEAL

JASON STAYLOR, P.E. #16277

CE PROJECT NO.: 30102
 DRAWN BY: VC
 SCALE: AS SHOWN
 SHEET TITLE: EXISTING CONDITIONS & DEMOLITION PLAN
 SHEET 3 OF 8



PROJECT
MIAMI MARINE STADIUM
 BOAT RAMPS
 RICHENBACHER CAUSEWAY
 MIAMI, FLORIDA 33135

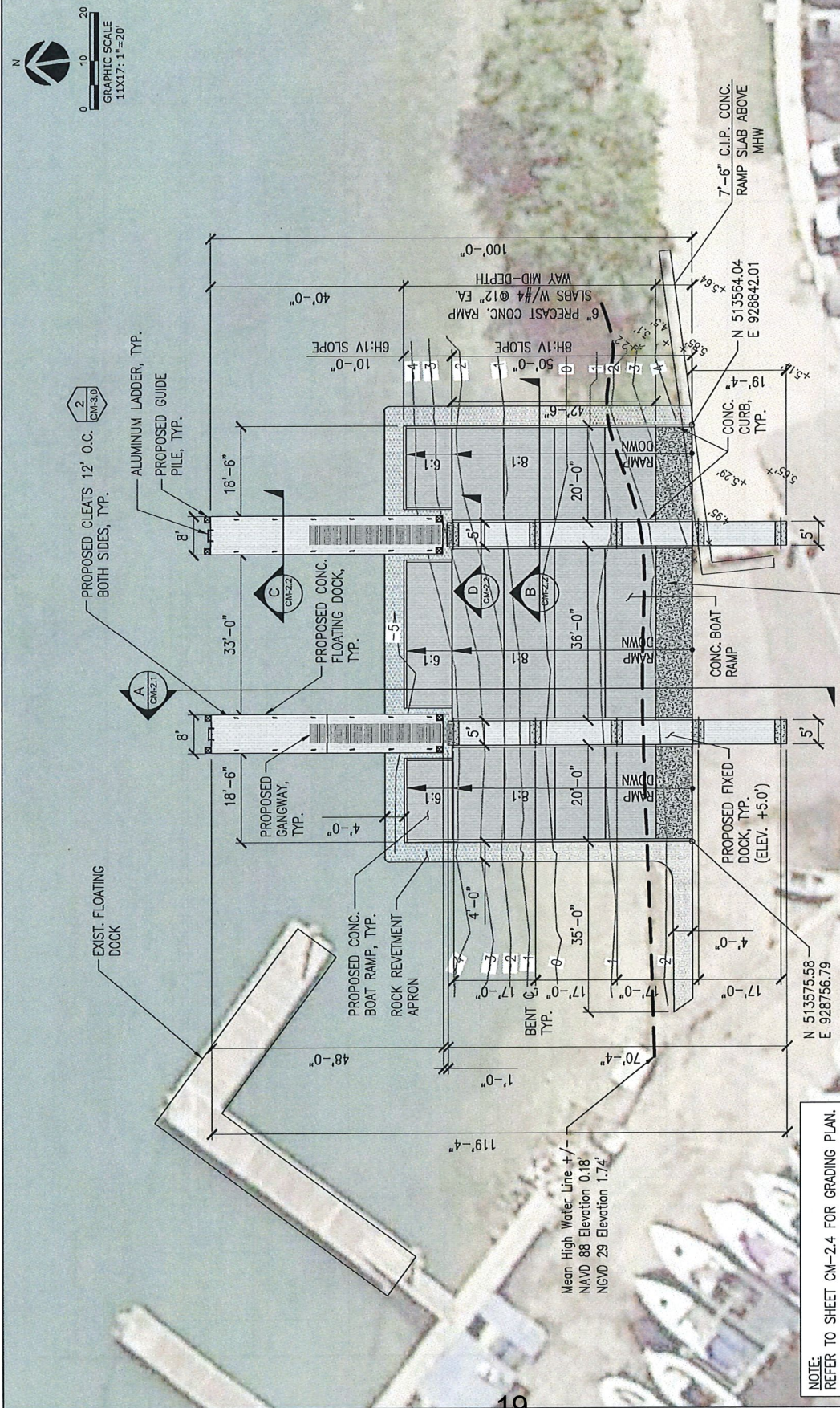
TYLUM INTERNATIONAL
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 Fax: 305-567-1771

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 COA # 2002

CUMMINS CEDERBERG
 Coastal & Marine Engineering

ISSUE	DATE	DESCRIPTION
01	11/22/15	100% CONSTRUCTION DOCUMENTS
02	11/22/15	DETAILED COMMENTS
03	11/22/15	DETAILED COMMENTS
04	02/20/16	GENERAL REVISIONS
05	02/20/16	GENERAL REVISIONS

CC PROJECT NO. 19102
 DRAWN: UC
 CHECKED: AS SHOWN
 SHEET TITLE
PROPOSED RAMP PLAN
 SHEET 4 OF 9
CM-2.0



QUANTITY TABLE

TOTAL RIPRAP VOLUME	80 CY
TOTAL LENGTH OF RIPRAP APRON	245 LF
FIXED DOCK AREA OVER WATER	416 SQ. FT
FLOATING DOCK AREA	960 SQ. FT

NOTE:
 REFER TO SHEET CM-2.4 FOR GRADING PLAN.

SLAB NOTES:

- CONTRACTOR SHALL ADD REINFORCEMENT AS REQUIRED FOR LIFTING. PROVIDE SUFFICIENT HOIST PORTS & BRACING TO AVOID CRACKING PRECAST SLABS HARDENING.
- CUT LIFTING INSERTS FLUSH W/ CONCRETE AFTER INSTALLATION AND COAT W/ EPOXY
- PROVIDE 1/2" V-GROOVE FINISH ON SLABS.
- MINIMUM PRECAST SLAB WIDTH SHALL BE 2'-6".

PROJECT
MIAMI MARINE STADIUM
BOAT RAMPS
 RICKENBACKER CAUSEWAY
 MIAMI, FLORIDA 33135

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CUMMINS CEDERBERG
 Coastal & Marine Engineering

DATE	DESCRIPTION / REVISION
11/22/16	10% CONTRACT DOCUMENTS
11/22/16	GENERAL COMMENTS
11/22/16	GENERAL COMMENTS
02/20/17	GENERAL REVISIONS

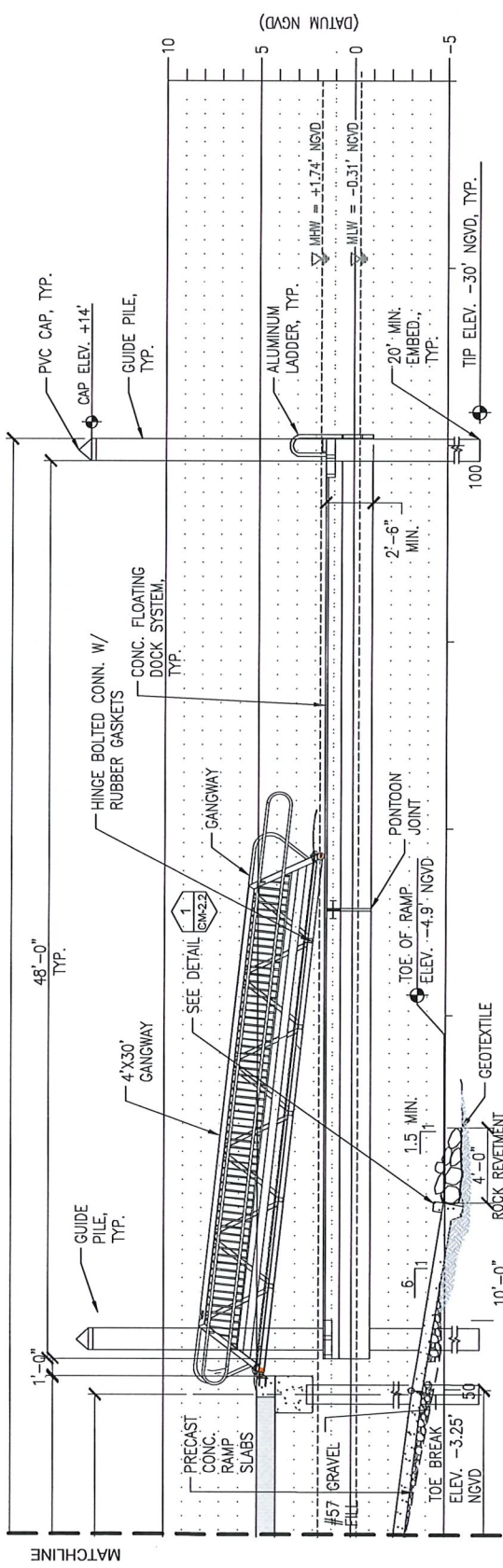
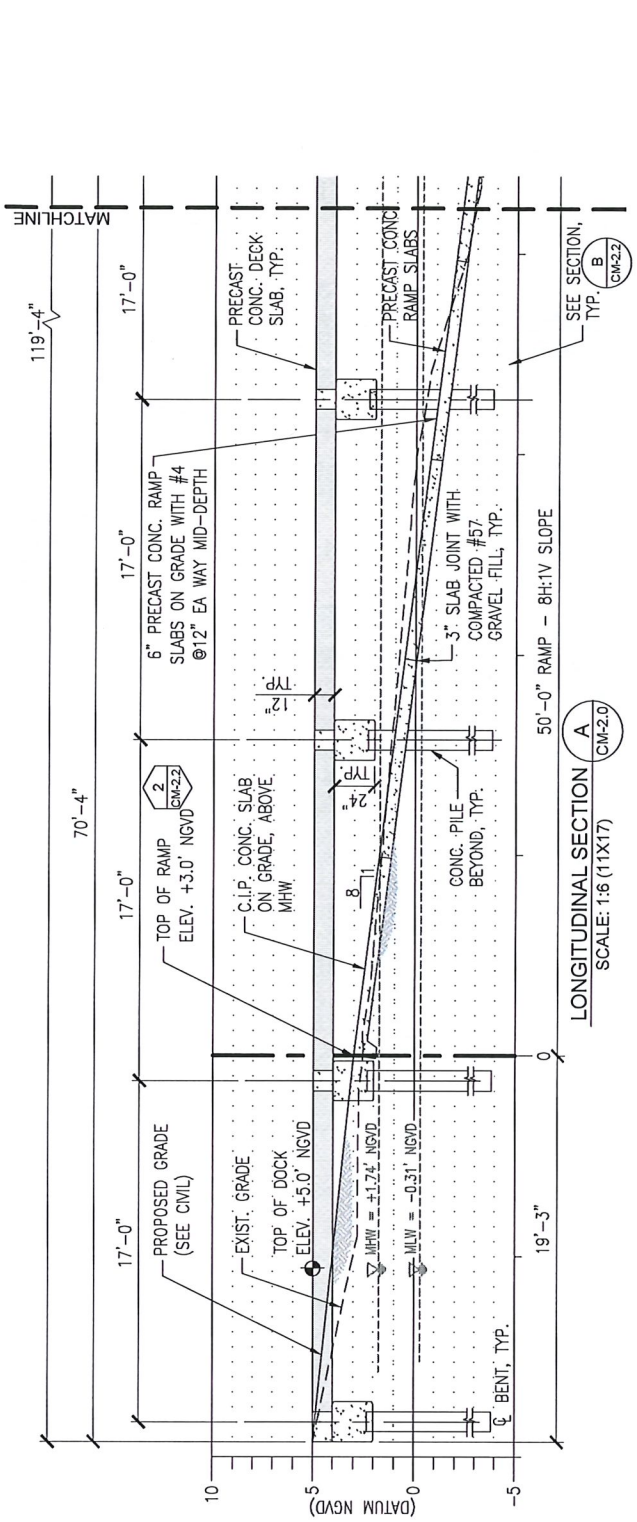
ISSUED BY: JASON S. TAYLOR, P.E. 060277

PROJECT NO. 18102

CHECKED: AS SHOWN

SHEET TITLE: **BOAT RAMP**
LONGITUDINAL SECTION

SHEET 2 OF 8



CM-2.1

PROJECT
MIAMI MARINE STADIUM
 BOAT RAMPS
 RICHENBACHER CAUSEWAY
 MIAMI, FLORIDA 33135

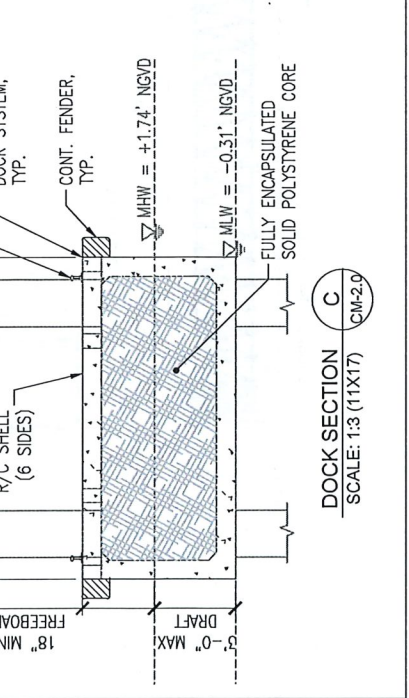
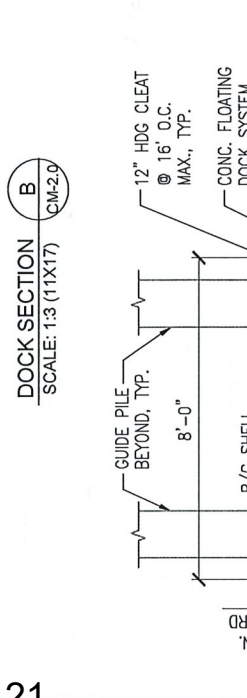
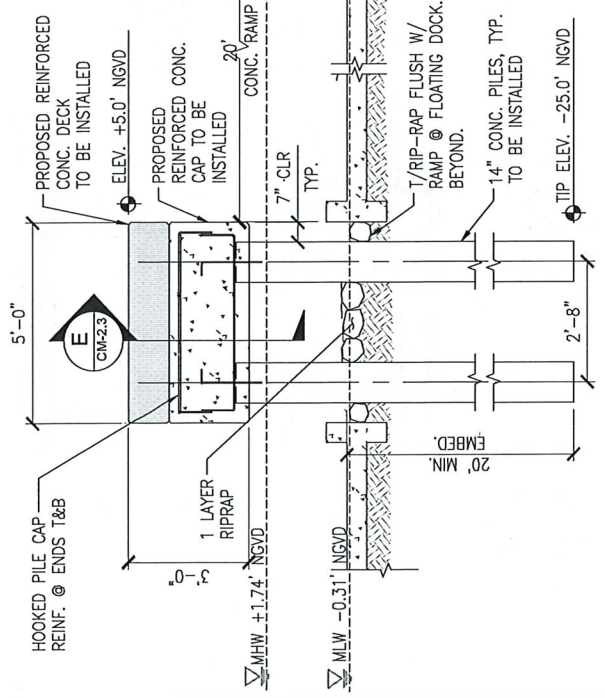
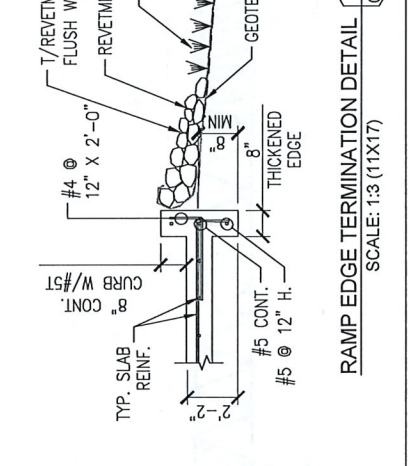
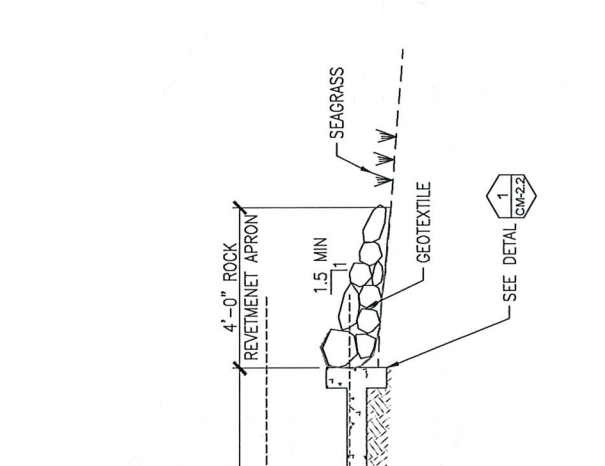
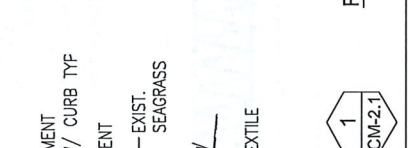
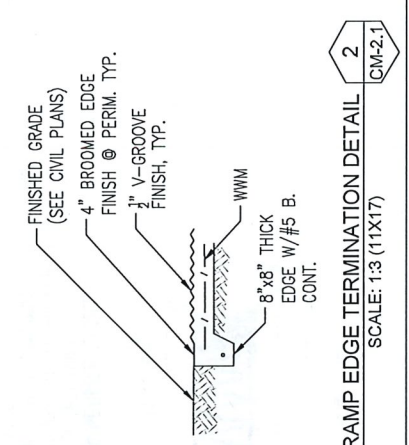
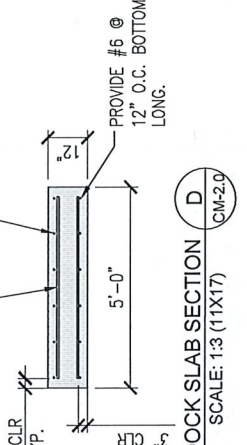
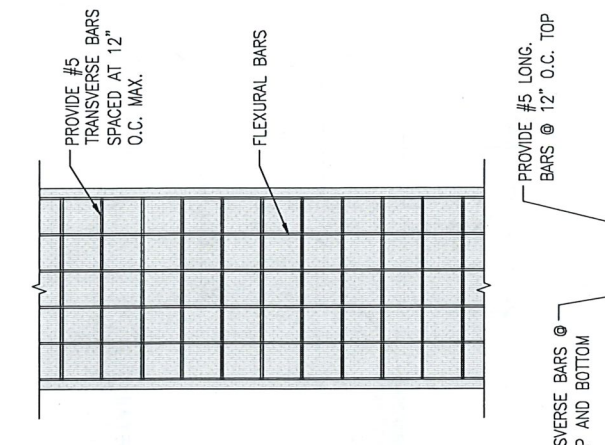
TYLINS INTERNATIONAL
 201 Alhambra Circle Suite 900
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 Phone: 305-441-1899
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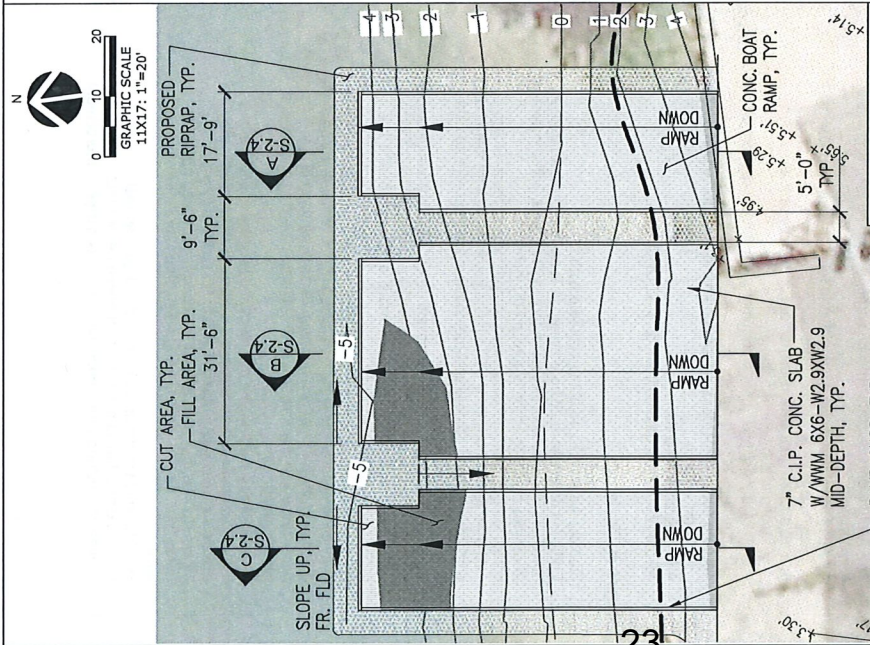
MARINE ENGINEER
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 TEL: 1-305-741-6158 FAX: 1-305-974-1890
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 COA # 25002

CUMMINS CEDERBERG
 Coastal & Marine Engineering

ISSUE	DATE	SUBMISSION / REVISION
01/20/18	01/20/18	BOOK CONSTRUCTION DOCUMENTS
02/22/18	02/22/18	GENERAL COMMENTS
02/22/18	02/22/18	GENERAL REVISIONS

CC PROJECT NO.	01712
DRAWN	VC
CHECKED	
SCALE	AS SHOWN
SHEET TITLE	DOCKS
CROSS SECTIONS	
SHEET 0 OF 8	





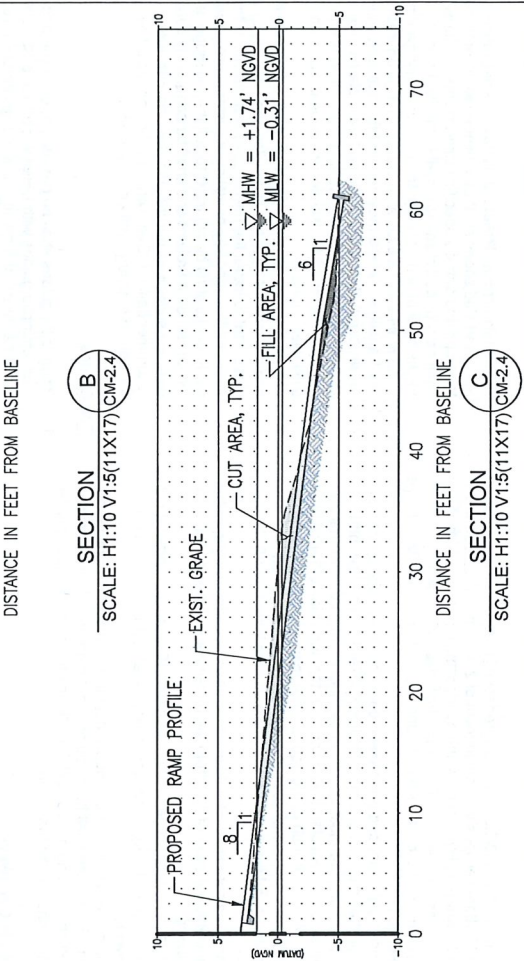
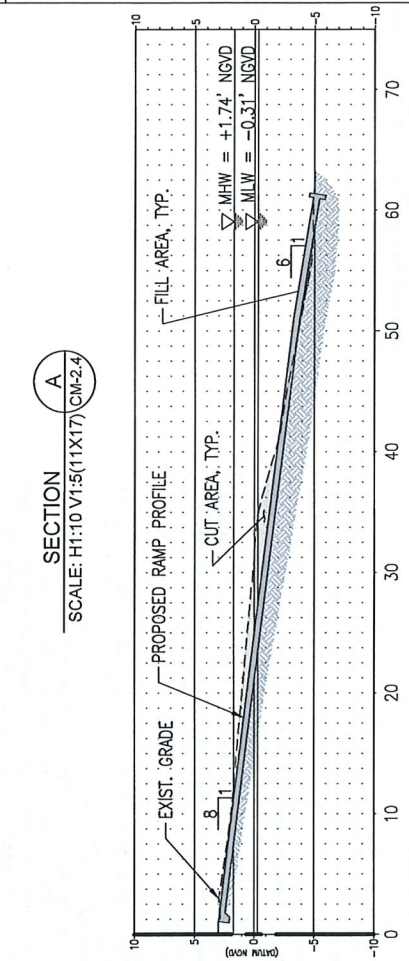
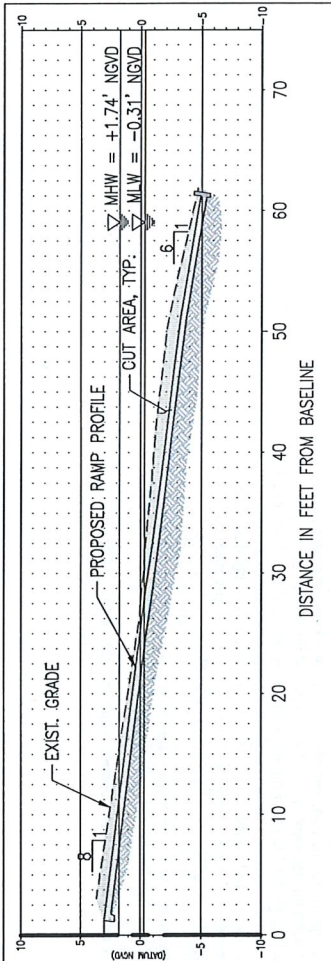
LEGEND

- CUT AREA
- FILL AREA

	PLAN AREA	PLAN AREA
TOTAL CUT VOLUME	123.1 CY	3,323.7 CF
TOTAL CUT VOLUME (BELOW MHW)	103.2 CY	2,786.4 CF
TOTAL FILL VOLUME (BELOW MHW) INCLUDES NEW SLAB	13.3 CY	360.0 CF
TOTAL RIPRAP AREA	42.6 CY	1,148.6 CF
DEMOLITION VOLUME (ASSUMES A 6" SLAB)	80.5 CY	2,175.1 CF
BACKFILL VOLUME	4.8 CY	129.0 CF

QUANTITY TABLE

*NOTE: DREDGING IS MAINTENANCE



PROJECT: MIAMI MARINE STADIUM BOAT RAMPS
 BOAT RAMPS BOATWAY
 MIAMI, FLORIDA 33135

TYLINSKI INTERNATIONAL
 201 Alabama Circle Suite 900
 Coral Gables, Florida 33134
 Phone: 305-447-9898
 Fax: 305-567-1771

MARINE ENGINEER
 CUMMINS CEDERBERG, INC.
 1550 RED ROAD, SUITE 217
 CORAL GABLES, FLORIDA 33134
 TEL: 1 305 741 4159 FAX: 1 305 974 1600
 WWW.CUMMINSCEDERBERG.COM
 CUMMINS CEDERBERG
 Coastal & Marine Engineering

ISSUE: 02/20/2023
 DATE: 02/20/23
 100% CONSTRUCTION DOCUMENTS
 DEAR COMMENTS
 DEAR COMMENTS
 GENERAL REVISIONS
 SUBMISSION / REVISION

CC PROJECT NO. 130102
 DRAWN: VC
 CHECKED: AS SHOWN
 SCALE: AS SHOWN
 SHEET TITLE: PROPOSED GRADING PLAN
 SHEET 9 OF 10 **CM-2.4**

General Notes

1. The use of non-encapsulated polystyrene for flotation is prohibited by Miami Dade County ordinance. All polystyrene flotation used for floating concrete walkway or non-motorized vehicle launch area shall be fully encapsulated.
2. The contractor shall furnish all tools, equipment, materials and supplies and shall perform all labor, supervision, fabrication, assembly, and installation of a complete concrete float system and non-motorized craft launch dock with ADA accessible gangways. The contractor shall furnish complete product shop drawings and calculations for approval to the owner. Drawings and calculations shall be signed and sealed by a Florida registered professional engineer.
3. The following notes are for use as a guide standard, a structural engineer licensed in Florida shall prepare calculations and structural drawings as per Florida Building Code (FBC) with accessibility. The design shall provide floating concrete docks for ADA accessibility.
 4. The floating dock system shall be comprised of the following basic components:
 - 4.1. individual float units, attached, and forming a continuous walkway.
 - 4.2. aluminum gangway onto the float of the size and at locations shown in the plans.
 - 4.3. Piling and pile guides forming the primary support of the floating dock structure.
 - 4.4. industry standard "D" shape fenders to surround entire floating dock.
 - 4.5. Galvanized cleats.
 5. All hardware shall be aluminum or S.S., UNO.

Concrete Floats

1. Floating docks shall be of the concrete type.
2. Sufficient flotation shall be provided to support a live load of one hundred (100) pounds per square foot of deck area, with a minimum freeboard of not less than eighteen (18) inches.
3. Floats shall be cast in forms with a smooth, true surface. Floats cast from forms more than 1/2" out of square (measured diagonally) shall be rejected. Floats shall be monolithic castings with no cold joints in any part of the float.
4. Concrete shall have a minimum twenty-eight (28) day compressive strength of 5,000 psi. Concrete for the top surface of the flotation units shall contain polypropylene fibrous reinforcement at a rate recommended by its supplier.
5. All concrete testing shall be done under the guidance of personnel certified in accordance with national ready mix concrete association guidelines, all concrete testing methods shall be done in accordance with the respective ASTM specifications and provided prior to shipment.
6. Float modules shall have a minimum shell thickness of 2-3/4".
7. Walking surfaces of concrete floats shall be level and flush with respect to the adjacent floats. Provide SS cover at joints.
8. Floats shall be designed to float level under dead load only. The decks shall be within the following minimum tolerances of being level:
 - Maximum transverse slope: one inch per ten feet
 - Maximum longitudinal slope: one inch per ten feet
 - Galvanized welded wire fabrication used as concrete reinforcement

9. Closed cell expanded polystyrene core used inside the concrete shell shall meet federal specification C-578-85. The expanded polystyrene core must be fully encapsulated with concrete (all six sides). Or encapsulated with concrete top and sides with polyurea (rhino-liner or equal) at the bottom. The foam shall weigh between 0.95 and 1.10 pounds per cubic EPS to have a maximum absorption of three (3) percent by volume as tested by ASTM C-272.
10. The foam core shall be held in a true position during casting with an allowable variation of 1/8" from the dimensions shown on the drawings.
11. Foam core may not have more than ten (10) percent reground EPS foam material. Reground foam pieces shall not exceed 3/4 inch in diameter.
12. Foam billets will have a dimensional tolerance of plus or minus 1/8 inch. Foam core shall be made of not more than four laminated sections, and no horizontal laminations may occur in the upper ten (10) inches of the foam core.

Accessible Gangways

1. Gangway deck and structural components shall be designed to support the dead load of the gangway plus utilities and a uniform live load of one hundred (100) psf. Deck material shall be designed for a concentrated vertical load of three hundred (300) pounds, distributed over one square Handrails shall be designed for a horizontal load of twenty (50) plf or 200# min.
2. The gangway shall have continuous Handrails along both sides of the walking surface and shall extend a minimum of one foot beyond the primary walking surface at each end. The top of the handrails shall not be less than 34 inches nor more than 38 inches above the walking surface. The ends shall be returned into the truss body or terminate with no sharp or catching edges. The handrail portion of the handrails shall not be less than 1-1/2 inches nor more than 2 inches in cross-sectional dimension, or the shape shall provide an equivalent gripping surface. The handgrip portion of the handrails shall have a smooth surface with no sharp corners. A minimum of 1-1/2 inches clearance shall be provided between the gangway truss and the backside of the handgrip portion. Handrails shall not be less than 42" in height. Gangway decking shall be slip and skid resistant and made from aluminum or other marine grade material appropriate to this use. Samples and/or catalog cut sheets shall be provided for approval prior to fabrication. Method of securing the decking product to the ramp frame shall be described and approved prior to fabrication. Full width, hinged transition plates shall be provided at both ends of the ramp. The length of both shall be long enough to provide a slope which does not exceed the maximum slope of the gangway. The leading edge of each transition plate shall be UHMW that has been profiled to create no more than a quarter inch rise. Transition plates shall have arc-sprayed "thermion" ceramic core TH604 anti-skid aluminum garnet traction coating.
3. The gangway shall be supplied with two solid UHMW rollers or

UHMM skid shoes. Rollers shall have a solid stainless axle. Rollers, axes and skid shoes shall be designed to accommodate all loads to ramps and any job specific requirements. Roller/skid shoe tracks shall be provided ready to install to the float surface. These guide tracks shall be long enough to allow for full longitudinal movement through all water elevation changes. The guide tracks shall restrict any transverse lateral movement of the gangway at the landing. All structural aluminum, including tubes, plates, angles, and pipe shall be alloy 6061-T6 per ASTM B308. All bolts shall be stainless steel per ASTM A316. Isolators shall be used when connecting dissimilar metals.

5. The gangway shall be installed on the floating concrete walkway and the toe end adjusted as to allow the walkway system free movement to travel the full range of water levels without binding or stressing the gangway or walkway system. The gangway roller guide tracks shall be adjusted to suit the full range of lateral movement of the rollers and shall be adequately secured to the walkway surface as per the gangway manufacturer recommendations. Gangway shall be connected by a fixed hinge at the upland structure with epoxy anchors.

Pile Guides

1. Piling roller guides shall be provided at each pile and consist of four-roller pile guides with UHMW rollers and SS roller pins. Pile guide hardware and metal sections shall be 6061-T6 Aluminum. Pile guides shall have 3-inch clearance from piling to each roller.

PROJECT MIAMI MARINE STADIUM BOAT RAMPS RICHMOND/CHIEF CALDWAY MIAMI, FLORIDA 33135 TRUMIN INTERNATIONAL 201 Alhambra Club Suite 200 Coral Gables, Florida 33134 Phone: 305-567-1888 Fax: 305-567-1771	MARINE ENGINEERS CUMMIS REEBERG, INC. 1540 RED OAKS BLVD. SUITE 317 SOUTH MIAMI, FLORIDA 33143 PH: 305-655-1225 WWW.CUMMISREBERG.COM CO.# 00802	 TRUMIN COBBERBERG Coastal & Marine Engineering	SEAL		
			JASON S. TAYLOR, P.E. #60227		
			ISSUE DATE REVISIONS 01/22/2015 02/20/2015 03/20/2015 04/20/2015	CHECKED AS SHOWN	SCALE AS SHOWN
			SHEET TITLE FLOATING DOCK SPECIFICATIONS		

Attachment C
DERM Project Report

CLASS I PERMIT APPLICATION NO. CLI-2019-0115

Class I Permit Application by the City of Miami for the Filling and Maintenance Dredging of Tidal Waters in Association with Improvements to an Existing Boat Ramp, Riprap Installation, Mangrove Trimming, and Installation of Fixed and Floating Docks in Biscayne Bay at Marine Stadium in the City of Miami, Miami-Dade County, Florida

DATE: June 26, 2020

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

1. **Potential Adverse Environmental Impact**- Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized. Section 24-48.4 of the Code also requires mitigation for permissible projects that otherwise result in unavoidable environmental impacts. In an effort to avoid and minimize impacts to benthic resources, the majority of the proposed ramp will be installed within the footprint of the existing ramp; however, in order to address issues with the functionality of the ramp and navigational issues of the adjacent docking facility, the proposed ramp will result in impacts to 2,759 square feet of non-federally listed seagrasses. Additionally, the expansion of the ramp will also result in the trimming and alteration of 365 square feet of mangrove canopy. 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 will require that turbidity controls be utilized during all phases of construction to ensure compliance with State and County water quality standards. Mitigation for unavoidable temporary impacts to water quality associated with the maintenance dredging, filling of tidal waters, and impacts to benthic resources and mangroves associated with the installation of the ramp will be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund.

The Marine Stadium Basin is not located within an area designated as essential habitat for the Florida manatee and the Manatee Protection Plan does not include specific limitations for new or expanded marine facilities at this site, other than compliance with existing zoning or environmental regulations. Furthermore, the proposed use is consistent with the historic use of the site and the Class I permit will require that all standard construction permit conditions regarding manatee protection be followed during all in-water operations.

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 may affect surface water quality on a temporary basis during construction operations; however, the impacts will be 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 as the ramp has been designed to avoid any potential navigational conflicts with the existing docking facility to the west.
10. **Public Health** - The proposed project is not reasonably expected to adversely affect public health.
11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values.
12. **Archaeological Values** - The proposed project is not reasonably expected to adversely affect archaeological values.
13. **Air Quality** – The proposed project is not reasonably expected to adversely affect air quality.
14. **Marine and Wildlife Habitats** – The proposed project involves minimal impacts to seagrass and mangrove habitats which will be mitigated for as set forth in Number 1 above.
15. **Wetland Soils Suitable for Habitat** – 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 as discussed in Number 1 above and Number 30 below.
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 of Miami-Dade County, Florida, applications for Class I permits by a municipality 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.
24. **Conformance with Standard Construction Procedures and Practices and Design and Performance Standards** – The proposed project complies with the standard construction procedures and practices and design and performance standards of the applicable portions of the Code of Miami-Dade County and the 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) Florida Department of Environmental Protection (permit is required).
27. **Conformance with the Miami-Dade County Comprehensive Development Master Plan (CDMP)** - In the opinion of the Director, the proposed project is consistent as required by CDMP policy LU-3A, with the goals, objectives and policies contained in the Conservation, Aquifer Recharge and Drainage and Coastal Management Elements of this Plan, and with all applicable environmental regulations, as well as other elements of the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

LAND USE ELEMENT I:

Objective 3/Policies 3B, 3C - Protection of natural resources and systems. – The proposed project is consistent with all applicable environmental regulations, is compatible with surrounding land uses in Biscayne Bay and does not involve development in the Big Cypress area of Critical State Concern or the East Everglades.

TRANSPORTATION ELEMENT II

Aviation Subelement/Objective AV-5A - Aviation System Expansion - There is no aviation element to the proposed project.

Port of Miami River Subelement/Objective 3 - Minimization of impacts to estuarine water quality and marine resources. The proposed 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. – The proposed project is not located within a wetland.

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. – The proposed project is not located within coastal wetlands.

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

Objective 1/Policy 1D - Protection and maintenance of mangrove forests and related natural vegetational communities. - The proposed project is not located within a mangrove forest or related natural vegetational community.

Objective 1/Policy 1E - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – The proposed project is not located within coastal wetlands.

Objective 1/Policy 1G - Prohibition on dredging or filling of grass/algal flats, hard bottom or other viable benthic communities, except as provided for in Chapter 24 of the Code of Miami-Dade County, Florida. The proposed project is the minimum dredging necessary and complies with the following Code criteria:

(c) Minimum dredging and filling for the creation and maintenance of marinas, piers, docks and attendant navigational channels.

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. - The proposed project will enhance the existing water-dependent use. While the new ramp will encompass the footprint of the existing ramp, in order to improve the functionality of the facility and to avoid navigational issues with the adjacent docking facility to the west, the new ramp will be expanded outside of the footprint of the existing ramp.

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 of Miami-Dade County) - The proposed project is in conformance with the Biscayne Bay Management Plan.

30. **Conformance with the Miami-Dade County Manatee Protection Plan (MPP)** - The proposed project is consistent with the MPP. The Marine Stadium Basin is not located within an area designated as essential habitat for the Florida manatee and the Manatee Protection Plan does not include specific limitations for new or expanded marine facilities at this site, other than compliance with existing zoning or environmental regulations. Furthermore, the proposed use is consistent with the historic use of the site and the Class I permit will 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. **Municipality Recommendation** – Pursuant to Section 24-48.2(II)(B)(7) of the Code of Miami-Dade County, Florida, applications for Class I permits by a municipality within its own jurisdiction shall not be required to submit a substantiating letter or plan approval from the applicable zoning authority.
32. **Coastal Resources Management Line** - A coastal resources management line was not required for the proposed project, pursuant to Section 24-48.2(II)(B)(10)(b) of the Code of Miami-Dade County.
33. **Maximum Protection of a Wetland’s Hydrological and Biological Functions** – The proposed project is not located within a wetland.
34. **Class I Permit Applications Proposing to Exceed the Boundaries Described in Section D-5.03(2)(a) of the Miami-Dade County Public Works Manual** – Not applicable.

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

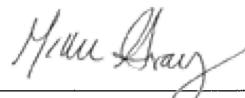
24-48.3 (2) Dredging and Filling for Class I Permit – The proposed project complies with the following criteria:

- (c) Minimum dredging and filling for the creation and maintenance of marinas, piers, docks and attendant navigational channels.

24-48.3 (3) Minimum Water Depth Required for Boat Slips Created by the Construction or Placement of Fixed or Floating Docks and Piers, Piles and Other Structures Requiring a Permit Under Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County – The proposed project complies with the Code-required water depth criteria.

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



Rockell Alhale, ERPS
Coastal Resources Section



MEMORANDUM
(Revised)

TO: Honorable Chairwoman Audrey M. Edmonson
and Members, Board of County Commissioners

DATE: October 20, 2020

FROM: Abigail Price-Williams
County Attorney

SUBJECT: Agenda Item No. 5(O)

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(O)
10-20-20

RESOLUTION NO. _____

RESOLUTION TAKING ACTION ON A CLASS I PERMIT APPLICATION BY THE CITY OF MIAMI FOR THE FILLING AND MAINTENANCE DREDGING OF TIDAL WATERS IN ASSOCIATION WITH IMPROVEMENTS TO AN EXISTING BOAT RAMP, RIPRAP INSTALLATION, MANGROVE TRIMMING, AND INSTALLATION OF FIXED AND FLOATING DOCKS IN BISCAYNE BAY AT MARINE STADIUM IN THE CITY OF MIAMI, MIAMI-DADE COUNTY, FLORIDA, AND CONSENTING TO ALL OWNERSHIP INTERESTS OF MIAMI-DADE COUNTY

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 City of Miami for the filling and maintenance dredging of tidal waters in association with improvements to an existing boat ramp, riprap installation, mangrove trimming, and installation of fixed and floating docks in Biscayne Bay at Marine Stadium in the City of 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. In addition, this Board hereby consents to this application with respect to any and all ownership interests of Miami-Dade County for any property that is the subject of this application.

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:

Audrey M. Edmonson, Chairwoman

Rebeca Sosa, Vice Chairwoman

Esteban L. Bovo, Jr.

Jose "Pepe" Diaz

Eileen Higgins

Joe A. Martinez

Dennis C. Moss

Xavier L. Suarez

Daniella Levine Cava

Sally A. Heyman

Barbara J. Jordan

Jean Monestime

Sen. Javier D. Souto

The Chairperson thereupon declared this resolution duly passed and adopted this 20th day of October, 2020. 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.



Abbie Schwaderer-Raurell