

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

Resolution No. R-1075-20

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

MIAMI-DADE
COUNTY

Class I
Permit Application

LB

RECEIVED FOR DEPARTMENTAL USE ONLY	
Date Received: MAR 11 2019	Application Number: CU-2019-0115
NATURAL RESOURCES DIVISION DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES	Application Fee: \$28,750 / \$28,750

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

1. Applicant Information:

Name: City of Miami c/o Daniel Rotenberg
Address: 444 SW 2nd Ave, 3rd Floor
Miami, Florida Zip Code: 33130
Phone #: 305-416-1458 Fax #: 305-416-1019
Email: drotenberg@miami.gov

* 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: Colin Henderson, T.Y. Lin International
Address: 201 Alhambra Circle, Suite 900
Coral Gables, Florida Zip Code: 33134-
Phone #: 305-714-4037 Fax #: 305-567-1771
Email: colin.henderson@tylln.com

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):

- | | | | | |
|---|---|--|--------------------------------------|--|
| ☒ Seawall | ☒ Dock(s) | ☐ Boatlift | ☐ Dredging | ☐ Mangrove Trimming |
| ☒ New/Replacement Seawall | ☐ Pier(s) | ☐ Mooring Piles | ☐ Maintenance | ☐ Mangrove Removal |
| ☐ Seawall Cap | ☐ Viewing Platform | ☐ Fender Piles | ☐ New | |
| ☐ Batter Piles | | ☐ Davits | ☐ Filling | |
| ☐ King Piles | | | | |
| ☐ Footer/Toe Wall | | | | |
| ☒ 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):

- ☐ Single Family
☐ Multi-Family
☐ Private
☒ Public
☐ Commercial
☐ Industrial
☐ 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): Recreational / transient
Vessel Make/Model (If known): N/A
Draft (s)(range in inches.): 12" - 24" Length (s)(range in feet.): 12' - 25'
Total Number of Slips: 8

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-2011	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

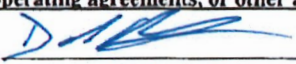
Signature of Applicant	Print Applicant's Name	Date
------------------------	------------------------	------

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,

A handwritten signature in blue ink, appearing to read 'C. Henderson', with a long horizontal flourish extending to the right.

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:

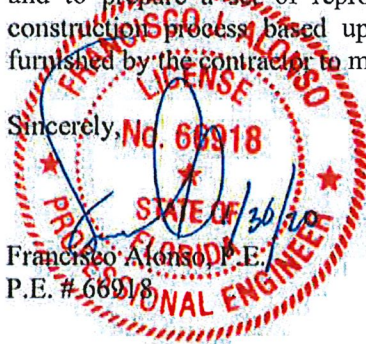
This letter will certify that I am an engineer licensed in the State of Florida, qualified by education and experience in the area of engineering design and inspection, and that to the best of my knowledge and belief, the proposed work does not violate any laws, rules, or regulations of the State of 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. 66918**

Francisco Alonso P.E.
P.E. # 66918



MIAMI MARINE STADIUM BOAT RAMP

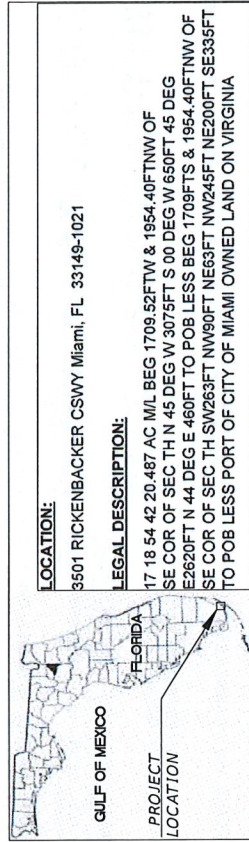
FOR
CITY OF MIAMI
VIRGINIA KEY, FL 33149



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 M/L 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



PROJECT
LOCATION

N.T.S. NORTH

MIAMI MARINE STADIUM BOAT RAMP PROJECT LOCATION MAP

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
- MIAMI DEPARTMENT OF PUBLIC WORKS, DESIGN STANDARDS
- 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
3501 RICKENBACKER CSWY
MIAMI, FL 33149-1021

TECHNICAL INTERNATIONAL
201 ALHAMBRA CIRCLE • SUITE 800
CORAL GABLES, FLORIDA
PHONE: (305) 567-1888 • FAX: (305) 567-1771
www.ti-intl.com

WMAE DESIGN
CUMMINGS, CEEBERBERG, INC.
1500 E 93RD AVE, SUITE 217
SOUTH MIAMI, FLORIDA 33143
TEL: (305) 441-6159 FAX:
1 305-974-1559
CUMMINGS | CEEBERBERG
Civil & Marine Engineering
CUM # 2906

FRANCISCO ALONSO, P.E.
1500 E 93RD AVE, SUITE 217
SOUTH MIAMI, FLORIDA 33143
TEL: (305) 441-6159 FAX:
1 305-974-1559

MARINE
STADIUM
BOAT RAMP

COVER
SHEET
P-1

1. 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.

2. 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.
3. 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.
4. CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM PRINTS FOR CONSTRUCTION PURPOSES.

5. ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH SUITABLE SOIL AND SOLID ST AUGUSTINE SOD IF NOT SPECIFIED OTHERWISE ON THE PLANS.

6. 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.

7. 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.

8. 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

1. 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.

2. 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.

3. BID PRICES SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS COMPLETE IN PLACE, TESTED, AND ACCEPTED BY THE ENGINEER.

4. 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.

5. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING INLETS AND OULVERTS 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.

6. 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.

7. 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.

8. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATION (WHERE APPLICABLE).

9. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.

10. ALL EXISTING DRAINAGE STRUCTURES AND PIPES ARE TO REMAIN AND TO BE PROTECTED UNLESS OTHERWISE SPECIFIED AND APPROVED.

11. CONTRACTOR SHALL IMPLEMENT AND ENFORCE ALL NPDES EROSION AND SEDIMENT CONTROL RULES AND REGULATIONS.

12. CONTRACT SHALL INCLUDE IN THE BID PRICE FOR CLEARING AND GRUBBING.

ENVIRONMENTAL NOTES

1. ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
2. THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE PROJECT ENGINEER AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE.
3. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN ENVIRONMENTALLY SENSITIVE AREAS.
4. CONTRACTOR SHALL NOT STAGE OR OPERATE EQUIPMENT WITHIN THE DRIPLINE OF TREES.
5. 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 FDOT 2020-21 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.

STRUCTURAL DESIGN SHALL BE IN ACCORDANCE WITH THE 2020 FDOT DESIGN MANUAL, AND SUBSEQUENT STRUCTURES DESIGN BULLETINS, THE FDOT 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 = 6,000psi, WITH SILICA FUME, METAKAOLIN, OR ULTRA FINE FLY ASH.

CONCRETE COVER

3' CLEAR COVER, COVER DOES NOT INCLUDE TOLERANCES. REFER TO FDOT SPECIFICATION 415 FOR ALLOWABLE TOLERANCES.

PLAN DIMENSIONS

ALL 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.

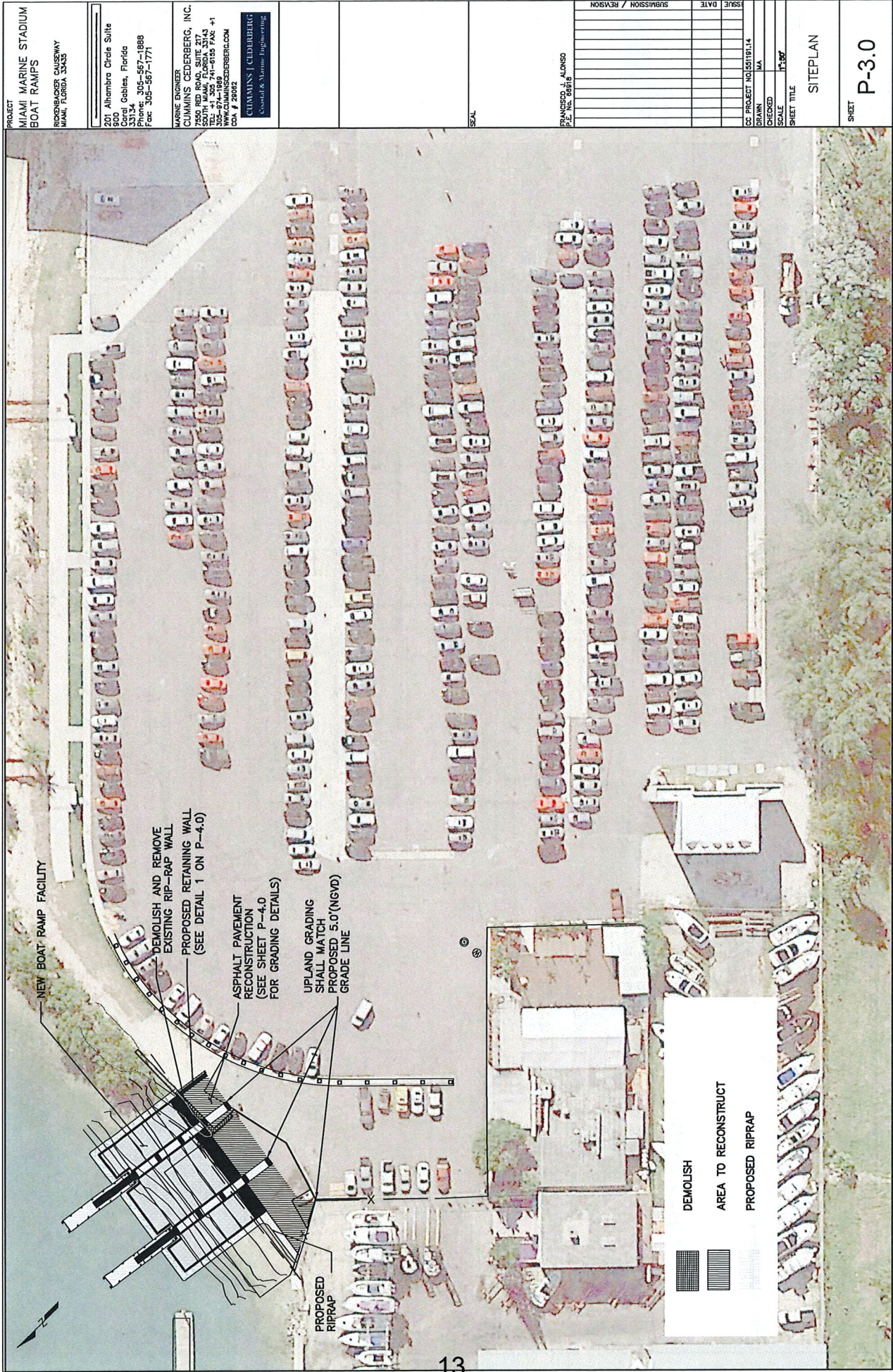
JOINTS IN CONCRETE: CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT THE LOCATIONS INDICATED IN THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER.

CUT AND FILL OPERATIONS

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

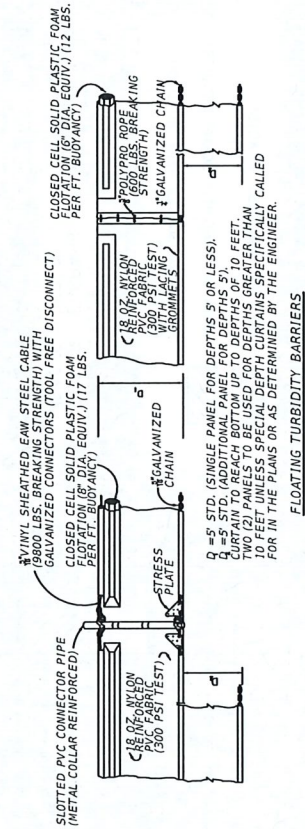
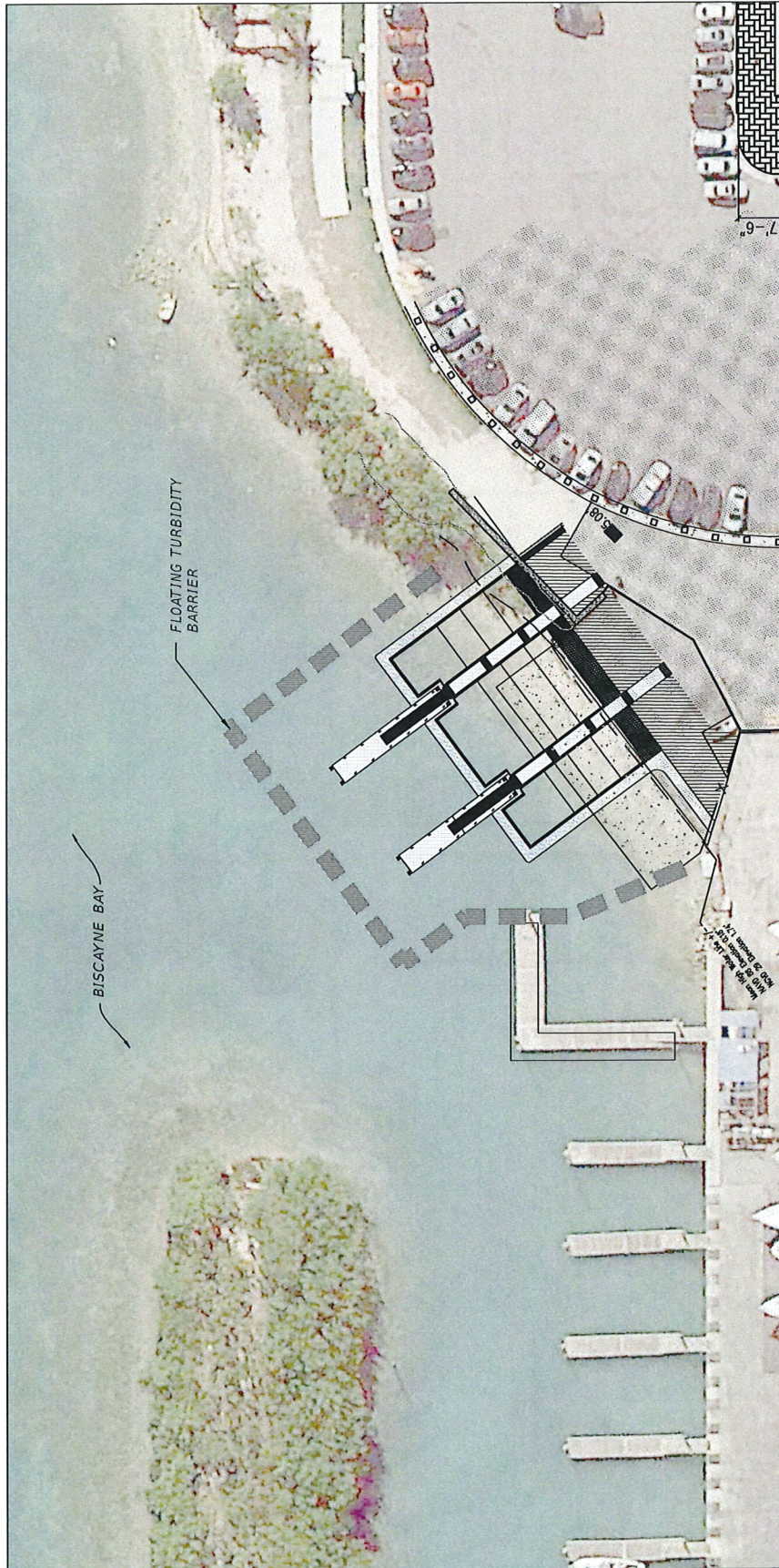
- 10.2. QUANTITIES FOR CUT AND FILL SHOWN IN THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE BIDDING.
- 10.3. ANY EXCAVATED MATERIAL THAT IS DEEMED BY THE ENGINEER UNSUITABLE FOR FILLING SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT AN APPROVED FACILITY OR PUMP SITE. THE COST FOR DISPOSAL OF UNSUITABLE MATERIAL SHALL BE INCLUDED IN THE COST OF CUT AND FILL.

PROJECT MIAMI MARINE STADIUM BOAT RAMPS	DESIGNER/CALCULATOR REINHOLDT CASPER MIAMI, FLORIDA 33135
201 Alhambra Circle Suite 900 Gables, Florida 33134 Phone: 305-567-1888 Fax: 305-567-1771	
MARINE ENGINEER CUMMINS CEDERBERG, INC. 7550 RED ROAD, SUITE 217 FORT MYERS, FLORIDA 33942 TEL: 305-741-1015 FAX: 305-741-1015 +1 305-574-1669 CEDERBERG.COM COA # 20032	
CUMMINS CEDERBERG, <i>Coastal & Marine Engineering</i>	
SEAL	
FRANZISKO J. ALONSO P.E., No. 19916	
SUBMISSION / REVISION	
DATE	
CC PROJECT NO.55191.14	
DRAWN MA	CHECKED
SCALE	SHEET TITLE
GENERAL NOTES	
SHEET	
P-2.0	



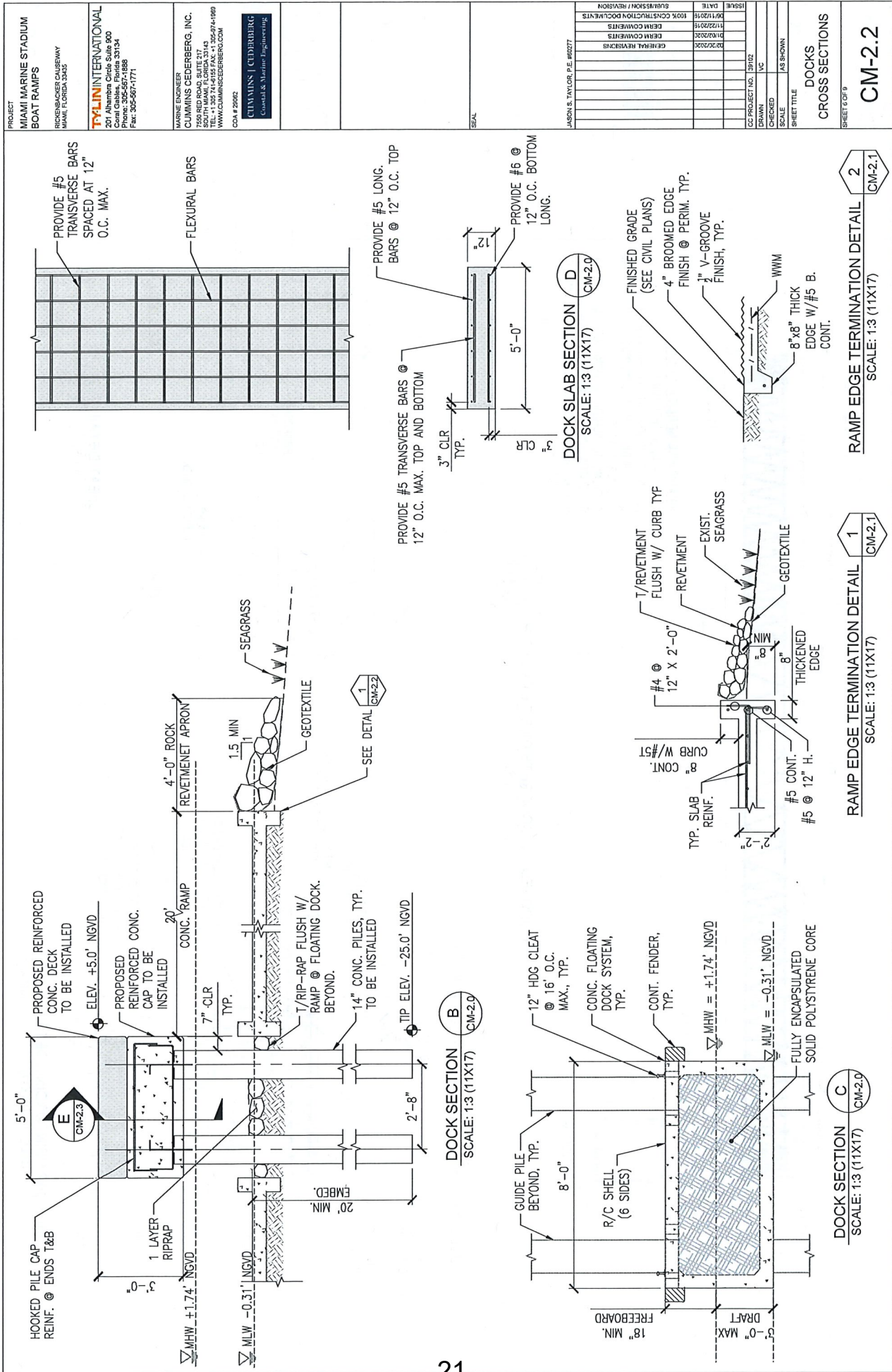
PROJECT		MIAMI MARINE STADIUM BOAT RAMPS	
201 Alhambra Circle Suite 33134 Phone: 305-567-1888 Fax: 305-567-1771		MARINE ENGINEER CUMMINS CEDERBERG, INC. 7550 RED ROAD, SUITE 217 FORT LAUDERDALE, FL 33314 TEL: 41-305-741-0135 FAX: 41-305-874-1889 WWW.CUMMINSCEDERBERG.COM CDA # 28082	
CUMMINS CEDERBERG Coastal & Marine Engineering		DESIGNED BY: FRANCISCO J. ALONSO P.E. NO. 68818	
SUBMISSION / REVISION		ISSUE DATE	
CC PROJECT NO: 0518114		DRAWN: JMA	
CHECKED:		SCALE: 1"=50'	
SHEET TITLE		SITE PLAN	
SHEET		P-3.0	

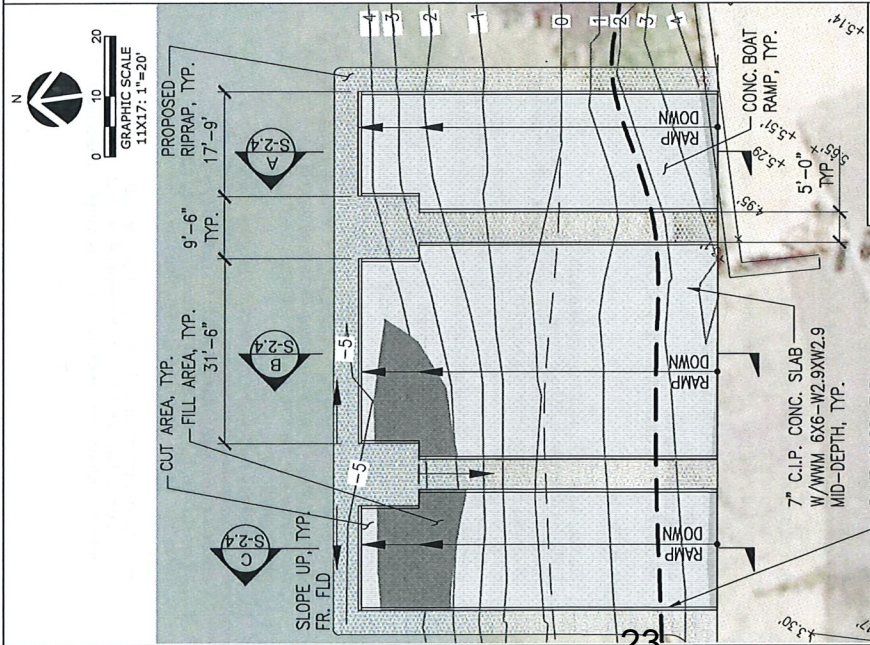
PROJECT MIAMI MARINE STADIUM BOAT RAMPS		201 Alhambra Circle Suite 600 Coral Gables, Florida 33134 Phone: 305-567-1888 Fax: 305-567-1771		MARINE ENGINEER CUMMINS CEDERBERG, INC. 7550 RED ROAD, SUITE 217 FORT LAUDERDALE, FL 33308 TEL: 305-741-8100 FAX: 305-741-8105 305-874-1888 CUMMINSCEDERBERG.COM CDA # 20082		CUMMINS CEDERBERG Coastal & Marine Engineering	
SEAL		FRANCISCO J. ALONSO P.E. No. 68816		SUBMISSION / REVISION		DATE	
SSRF		DATE		CC PROJECT NO. 1510114		DRAWN: JMA	
CHECKED:		SCALE: 1"=40'		SHEET TITLE		TURBIDITY CONTROL	
SHEET		P-5.0		SHEET			



- TURBIDITY BARRIER**
- TURBIDITY BARRIER NOTES**
1. TURBIDITY BARRIERS SHALL BE DEPLOYED IN A MANNER NOT TO ENTANGLE OR HARM MANATEES.
 2. TURBIDITY BARRIERS SHALL BE MONITORED AS OUTLINED IN THE REGULATORY PERMITS.
 3. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF THE WATER DEPTH.
 4. NUMBER AND SPACING OF BARRIERS DEPENDENT ON CURRENT VELOCITIES.
 5. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
 6. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
- EROSION/SEDIMENT CONTROL NOTES**
- THE PURPOSE OF EROSION CONTROL IS TO PREVENT POLLUTION OF BODIES OF WATER ON OR ADJACENT TO THE PROJECT SITE. IN ADDITION, EROSION CONTROL SHALL PREVENT DAMAGE TO ADJACENT PROPERTY, AND WORK IN PROGRESS. ALL EROSION AND SILTATION MEASURES ARE TO BE PLACED PRIOR TO CONSTRUCTION. CONTROL DEVICES PERIODICALLY MAINTAINED AND AFTER EVERY RAINFALL. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

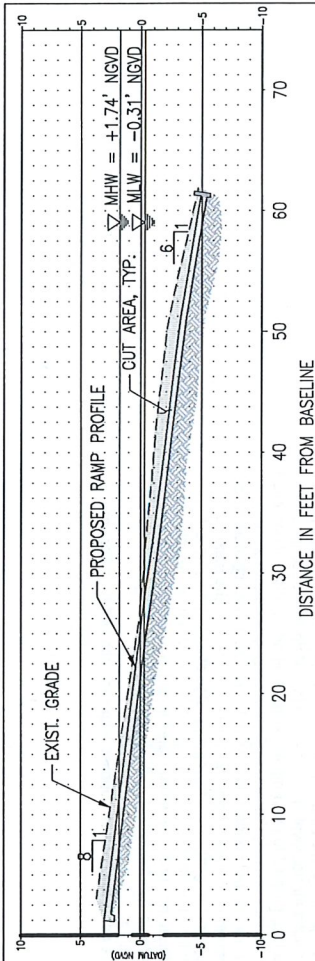




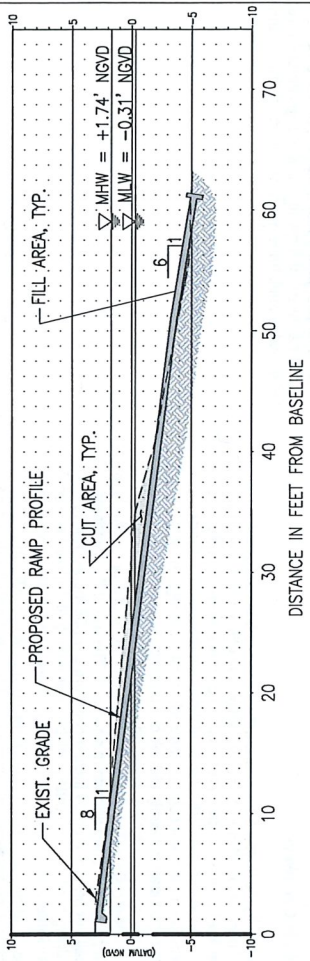


QUANTITY TABLE		LEGEND	
		CUT AREA	FILL AREA
TOTAL CUT VOLUME	123.1 CY	3,323.7 CF	4,350.3 SF
TOTAL CUT VOLUME (BELOW MHW)	103.2 CY	2,786.4 CF	3,588.3 SF
TOTAL FILL VOLUME (BELOW MHW) INCLUDES NEW SLAB	13.3 CY	360.0 CF	463 SF
TOTAL RIPRAP AREA			1660 SF
DREDGE VOLUME	42.6 CY	1,148.6 CF	
DEMOLITION VOLUME (ASSUMES A 6" SLAB)	80.5 CY	2,175.1 CF	4,350.3 SF
BACKFILL VOLUME	4.8 CY	129.0 CF	

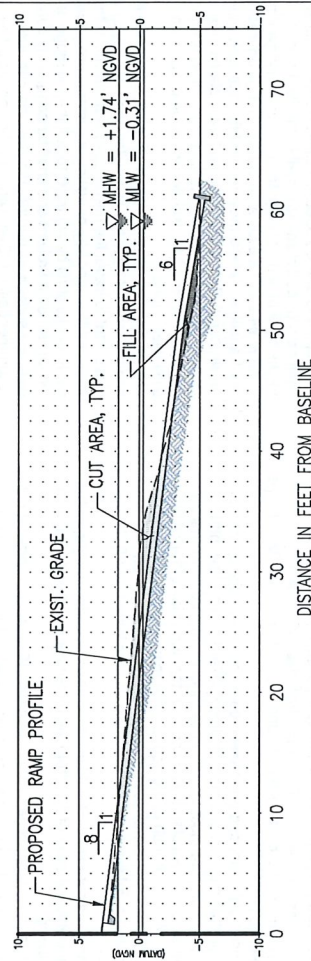
*NOTE: DREDGING IS MAINTENANCE



SECTION A
SCALE: H:10 V:5 (11X17) CM-2.4



SECTION B
SCALE: H:10 V:5 (11X17) CM-2.4



SECTION C
SCALE: H:10 V:5 (11X17) CM-2.4

PROJECT
MIAMI MARINE STADIUM
BOAT RAMPS
100% CONSTRUCTION DOCUMENTS

TYLINT INTERNATIONAL
201 Alabama Circle Suite 900
P.O. Box 33134
Miami, Florida 33133
Tel: 305-567-1771
Fax: 305-567-1771

CUMMINS CEDERBERG, INC.
7550 RED ROAD, SUITE 217
MIAMI, FLORIDA 33155
TEL: 305-741-4105 FAX: 305-694-1609
WWW.CUMMINSCEDERBERG.COM

CUMMINS CEDERBERG
Civil & Marine Engineering

DATE: 01/22/2023
BY: JASON S. TAYLOR
CHECKED: VC
SCALE: AS SHOWN
SHEET TITLE: PROPOSED GRADING PLAN
SHEET 9 OF 10

ISSUE: 01/22/2023
DATE: 01/22/2023
BY: JASON S. TAYLOR
CHECKED: VC
SCALE: AS SHOWN
SHEET TITLE: PROPOSED GRADING PLAN
SHEET 9 OF 10

CM-2.4

General Notes - 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. - 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. - 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 submittal. The design shall provide floating concrete docks for ADA accessibility. - The floating dock system shall be comprised of the following basic components: - Individual float units, attached, and forming a continuous walkway. - aluminum gangway onto the float of the size and at locations shown in the plans. - Pilings and pile guides forming the primary support of the floating dock structure. - industry standard "D" shape fenders to surround entire floating dock. - Galvanized cleats. - All hardware shall be aluminum or S.S., UNO. Concrete Floats - Floating docks shall be of the concrete type. - 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. - 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. - 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. - 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. - Float modules shall have a minimum shell thickness of 2-1/4". Walking surface of concrete floats shall be level and flush with respect to the adjacent floats. Provide SS cover at joints. - 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	shall be 2"x2"-2.9/2.9. Welded wire fabric is required in the deck and bottom sections with a minimum of 2" return to the sides and ends, where splicing occurs, the overlap shall be a minimum of four (4) inches. Galvanized wire mesh shall meet ASTM A-185, reinforcing steel bars shall be Grade 60, conform to ASTM 615 and shall be HDG. - Closed cell expanded polystyrene core used inside the concrete shell shall meet federal specification C-578-86. 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. - 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 shop drawings. - Foam core may not have more than ten (10) percent reground EPS foam material. Reground foam pieces shall not exceed 3/8 inch in diameter. - 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 - 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.. - 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. Guardrails 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. - The gangway shall be supplied with two solid UHMW rollers or	UHMW 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. - 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 - 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-inches clearance from piling to each roller.																																																																																																																																																																																																																																																																																																																
PROJECT MIAMI MARINE STADIUM BOAT RAMPS ROCKBACHER CALDERWAY MIAMI, FLORIDA 33135 DESIGNER TYLON INTERNATIONAL 201 Alhambra Club Suite 600 Coral Gables, Florida 33134 Phone: 305-567-1888 Fax: 305-567-1771	CLIENT MIAMI MARINE STADIUM CUMMINS CENTERBERG, INC. 250 SOUTH MIAMI AVENUE, SUITE 310 MIAMI, FLORIDA 33136 Phone: 305-567-1888 Fax: 305-567-1771 DATE 04/11/2022 BY JACOB S. TAYLOR, P.E. #6027	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>2</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>3</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>4</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>5</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>6</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>7</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>8</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>9</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>10</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>11</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>12</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>13</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>14</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>15</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>16</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>17</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>18</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>19</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>20</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>21</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>22</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>23</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>24</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>25</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>26</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>27</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>28</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>29</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>30</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>31</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>32</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>33</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>34</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>35</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>36</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>37</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>38</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>39</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>40</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>41</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>42</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>43</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>44</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>45</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>46</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>47</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>48</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>49</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>50</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>51</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>52</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>53</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>54</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>55</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>56</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>57</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>58</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>59</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>60</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>61</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>62</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>63</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>64</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>65</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>66</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>67</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>68</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>69</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>70</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>71</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>72</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>73</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>74</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>75</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>76</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>77</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>78</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>79</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>80</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>81</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>82</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>83</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>84</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>85</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>86</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>87</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>88</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>89</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>90</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>91</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>92</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>93</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>94</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>95</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>96</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>97</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>98</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>99</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> <tr> <td>100</td> <td>04/11/2022</td> <td>ISSUED FOR PERMIT</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	04/11/2022	ISSUED FOR PERMIT	2	04/11/2022	ISSUED FOR PERMIT	3	04/11/2022	ISSUED FOR PERMIT	4	04/11/2022	ISSUED FOR PERMIT	5	04/11/2022	ISSUED FOR PERMIT	6	04/11/2022	ISSUED FOR PERMIT	7	04/11/2022	ISSUED FOR PERMIT	8	04/11/2022	ISSUED FOR PERMIT	9	04/11/2022	ISSUED FOR PERMIT	10	04/11/2022	ISSUED FOR PERMIT	11	04/11/2022	ISSUED FOR PERMIT	12	04/11/2022	ISSUED FOR PERMIT	13	04/11/2022	ISSUED FOR PERMIT	14	04/11/2022	ISSUED FOR PERMIT	15	04/11/2022	ISSUED FOR PERMIT	16	04/11/2022	ISSUED FOR PERMIT	17	04/11/2022	ISSUED FOR PERMIT	18	04/11/2022	ISSUED FOR PERMIT	19	04/11/2022	ISSUED FOR PERMIT	20	04/11/2022	ISSUED FOR PERMIT	21	04/11/2022	ISSUED FOR PERMIT	22	04/11/2022	ISSUED FOR PERMIT	23	04/11/2022	ISSUED FOR PERMIT	24	04/11/2022	ISSUED FOR PERMIT	25	04/11/2022	ISSUED FOR PERMIT	26	04/11/2022	ISSUED FOR PERMIT	27	04/11/2022	ISSUED FOR PERMIT	28	04/11/2022	ISSUED FOR PERMIT	29	04/11/2022	ISSUED FOR PERMIT	30	04/11/2022	ISSUED FOR PERMIT	31	04/11/2022	ISSUED FOR PERMIT	32	04/11/2022	ISSUED FOR PERMIT	33	04/11/2022	ISSUED FOR PERMIT	34	04/11/2022	ISSUED FOR PERMIT	35	04/11/2022	ISSUED FOR PERMIT	36	04/11/2022	ISSUED FOR PERMIT	37	04/11/2022	ISSUED FOR PERMIT	38	04/11/2022	ISSUED FOR PERMIT	39	04/11/2022	ISSUED FOR PERMIT	40	04/11/2022	ISSUED FOR PERMIT	41	04/11/2022	ISSUED FOR PERMIT	42	04/11/2022	ISSUED FOR PERMIT	43	04/11/2022	ISSUED FOR PERMIT	44	04/11/2022	ISSUED FOR PERMIT	45	04/11/2022	ISSUED FOR PERMIT	46	04/11/2022	ISSUED FOR PERMIT	47	04/11/2022	ISSUED FOR PERMIT	48	04/11/2022	ISSUED FOR PERMIT	49	04/11/2022	ISSUED FOR PERMIT	50	04/11/2022	ISSUED FOR PERMIT	51	04/11/2022	ISSUED FOR PERMIT	52	04/11/2022	ISSUED FOR PERMIT	53	04/11/2022	ISSUED FOR PERMIT	54	04/11/2022	ISSUED FOR PERMIT	55	04/11/2022	ISSUED FOR PERMIT	56	04/11/2022	ISSUED FOR PERMIT	57	04/11/2022	ISSUED FOR PERMIT	58	04/11/2022	ISSUED FOR PERMIT	59	04/11/2022	ISSUED FOR PERMIT	60	04/11/2022	ISSUED FOR PERMIT	61	04/11/2022	ISSUED FOR PERMIT	62	04/11/2022	ISSUED FOR PERMIT	63	04/11/2022	ISSUED FOR PERMIT	64	04/11/2022	ISSUED FOR PERMIT	65	04/11/2022	ISSUED FOR PERMIT	66	04/11/2022	ISSUED FOR PERMIT	67	04/11/2022	ISSUED FOR PERMIT	68	04/11/2022	ISSUED FOR PERMIT	69	04/11/2022	ISSUED FOR PERMIT	70	04/11/2022	ISSUED FOR PERMIT	71	04/11/2022	ISSUED FOR PERMIT	72	04/11/2022	ISSUED FOR PERMIT	73	04/11/2022	ISSUED FOR PERMIT	74	04/11/2022	ISSUED FOR PERMIT	75	04/11/2022	ISSUED FOR PERMIT	76	04/11/2022	ISSUED FOR PERMIT	77	04/11/2022	ISSUED FOR PERMIT	78	04/11/2022	ISSUED FOR PERMIT	79	04/11/2022	ISSUED FOR PERMIT	80	04/11/2022	ISSUED FOR PERMIT	81	04/11/2022	ISSUED FOR PERMIT	82	04/11/2022	ISSUED FOR PERMIT	83	04/11/2022	ISSUED FOR PERMIT	84	04/11/2022	ISSUED FOR PERMIT	85	04/11/2022	ISSUED FOR PERMIT	86	04/11/2022	ISSUED FOR PERMIT	87	04/11/2022	ISSUED FOR PERMIT	88	04/11/2022	ISSUED FOR PERMIT	89	04/11/2022	ISSUED FOR PERMIT	90	04/11/2022	ISSUED FOR PERMIT	91	04/11/2022	ISSUED FOR PERMIT	92	04/11/2022	ISSUED FOR PERMIT	93	04/11/2022	ISSUED FOR PERMIT	94	04/11/2022	ISSUED FOR PERMIT	95	04/11/2022	ISSUED FOR PERMIT	96	04/11/2022	ISSUED FOR PERMIT	97	04/11/2022	ISSUED FOR PERMIT	98	04/11/2022	ISSUED FOR PERMIT	99	04/11/2022	ISSUED FOR PERMIT	100	04/11/2022	ISSUED FOR PERMIT	CM-3.0
NO.	DATE	DESCRIPTION																																																																																																																																																																																																																																																																																																																
1	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
2	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
3	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
4	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
5	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
6	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
7	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
8	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
9	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
10	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
11	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
12	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
13	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
14	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
15	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
16	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
17	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
18	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
19	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
20	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
21	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
22	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
23	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
24	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
25	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
26	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
27	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
28	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
29	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
30	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
31	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
32	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
33	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
34	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
35	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
36	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
37	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
38	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
39	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
40	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
41	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
42	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
43	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
44	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
45	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
46	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
47	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
48	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
49	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
50	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
51	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
52	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
53	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
54	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
55	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
56	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
57	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
58	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
59	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
60	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
61	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
62	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
63	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
64	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
65	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
66	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
67	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
68	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
69	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
70	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
71	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
72	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
73	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
74	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
75	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
76	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
77	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
78	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
79	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
80	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
81	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
82	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
83	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
84	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
85	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
86	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
87	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
88	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
89	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
90	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
91	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
92	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
93	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
94	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
95	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
96	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
97	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
98	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
99	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																
100	04/11/2022	ISSUED FOR PERMIT																																																																																																																																																																																																																																																																																																																

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:

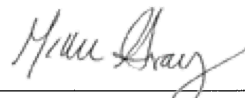
24-48.3 (2) Dredging and Filling for Class I Permit – The proposed project complies with the following criteria:

- (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. R-1075-20

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

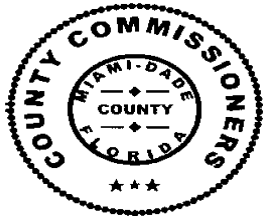
WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

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 **Joe A. Martinez**, who moved its adoption. The motion was seconded by Commissioner **Rebeca Sosa** and upon being put to a vote, the vote was as follows:

Audrey M. Edmonson, Chairwoman	aye
Rebeca Sosa, Vice Chairwoman	aye
Esteban L. Bovo, Jr.	absent
Jose "Pepe" Diaz	absent
Eileen Higgins	aye
Joe A. Martinez	aye
Dennis C. Moss	aye
Xavier L. Suarez	aye
Daniella Levine Cava	aye
Sally A. Heyman	aye
Barbara J. Jordan	aye
Jean Monestime	absent
Sen. Javier D. Souto	aye

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: **Melissa Adames**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Abbie Schwaderer-Raurell