

Memorandum



Date: March 3, 2020

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

Agenda Item No. 5(E)

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

Subject: Class I Permit Application by the City of Coral Gables

Resolution No. R-241-20

Recommendation

I have reviewed the attached application for a Class I permit by the City of Coral Gables 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 on the south side of the C-3 Canal between Southwest 57th Avenue and Alhambra Circle, Miami-Dade County, Florida, in Commission District 6, which is represented by Commissioner Rebeca Sosa.

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 filling and maintenance dredging of tidal waters in association with the installation of canal bank stabilization cells along the south side of the C-3 Canal between Southwest 57th Avenue and Alhambra Circle, Coral Gables, Miami-Dade County, Florida. The proposed project is required to be reviewed by the Board at a public hearing because the filling of tidal waters is specifically referenced in Section 24-48.2 of the Code as work that shall be processed with a standard form application, including a public hearing.

The subject site consists of an unconsolidated shoreline running along the C-3 Canal on lands owned by the City of Coral Gables. Over time the property has experienced erosion from an upstream water control structure and the applicant is requesting to protect the property and stabilize the shoreline through the installation of canal bank stabilization cells. The installation of the cells will require maintenance dredging and the filling of 200 square feet of tidal waters. In order to create a long term stable slope and prevent further erosion of the uplands behind existing residential homes.

No seagrasses or other significant benthic resources were documented within the project footprint. However, 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. The proposed

work is the minimum necessary to stabilize the shoreline and protect the property from further erosion.

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 requires mitigation for permittable projects that otherwise result in adverse environmental impacts. Mitigation associated with the filling of tidal waters and for minor temporary impacts to water quality associated with the canal stabilization will be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund.

The proposed work complies with Section 24-48.3 of the Code as related to the criteria for a physical modification necessary to protect public or private property. The project has been designed in accordance with all other relevant Miami-Dade County coastal construction criteria and is consistent with all other Miami-Dade County coastal protection provisions.

Although the subject property is not located within an area designated as essential habitat for the Florida manatee, it is located upstream from essential habitat. Therefore, the Class I permit will require that all standard manatee construction conditions be followed during all in water operations.

Please find attached a DERM Project Report which 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 attached Project Report are incorporated by reference.

Attachments

- Attachment A: Class I Permit Application
- Attachment B: Owner/Agent Letter, Engineer Letter and Project Sketches
- Attachment C: Names and Addresses of Owners of All Riparian Property within Three Hundred (300) Feet of the proposed Work.
- Attachment D: DERM Project Report

Attachment A
Class I Permit Application



Class I Permit Application

FOR DEPARTMENTAL USE ONLY	
Date Received: <u>OCT 18 2019</u>	Application Number: _____
NATURAL RESOURCES DIVISION DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES	Application Fee: _____

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

1. Applicant Information:	2. Applicant's Authorized Permit Agent:
Name: <u>City of Coral Gables</u>	Agent is allowed to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.
Address: <u>2800 SW 72 Avenue</u>	Name: <u>Jose Saucedo, Project Engineer</u>
<u>Miami, FL</u> Zip Code: <u>33155</u>	Address: <u>2800 SW 72 Avenue</u>
Phone #: <u>305 460 5000</u> Fax: <u>305 460 5054</u>	<u>Miami, FL</u> Zip Code: <u>33155</u>
Email: <u>jacevedo2@gmail.com</u>	Phone #: <u>305 460 5054</u> Fax #: <u>305 460 5080</u>
* This should be the applicant's information for contact purposes.	Email: <u>jsaucedo@coralgables.com</u>

3. Location where proposed activity exists or will occur (latitude and longitude are only necessary for properties without address or folio #):			
Folio #(s): _____	Latitude: <u>25°44'18.80"N</u>	Longitude: <u>80°17'08.27"W</u>	
Street Address: <u>Taragona Dr.</u>	Section: <u>18</u>	Township: <u>54 S</u>	Range: <u>41 E</u>
In City or Town: <u>Coral Gables</u>	City of Coral Gables		
Name of waterway at location of the activity: <u>C-3</u>	Near City or Town: _____		

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	
☐ Barrier Piles		☐ Davits	☐ Filling	
☐ King Piles				
☐ Footer/Toe Wall				
☐ Riprap				
This project is to stabilize the C-3 Waterway Canal downstream of the Flood Control Structure C-93 to mitigate erosion of the bank. It will include reinforcement of the canal banks by various means.				
☒ Other: <u>Waterway Bank Stabilization</u>				
Estimated project cost = \$ <u>518,873.00</u>				
Are you seeking an after-the-fact approval (ATF)? ☐ Yes ☒ No If "Yes", describe the ATF work: _____				

5. Proposed Use (check all that apply):	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):
☐ Single Family	Proposed Vessel Type (s): <u>N/A</u>
☐ Multi-Family	Vessel Make/Model (If known): <u>N/A</u>
☐ Private	Draft (s)(range in inches): <u>N/A</u> Length (s)(range in feet.): <u>N/A</u>
☒ Public	Total Number of Slips: <u>N/A</u>
☐ Commercial	
☐ Industrial	
☐ Utility	

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

8. Contractor Information (If known):Name: TBD License # (County/State): _____

Address: _____ Zip Code: _____

Phone #: _____ Fax #: _____ E-mail: _____

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

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

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

A. IF APPLICANT IS AN INDIVIDUAL

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

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

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

City of Coral Gables _____ Local 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.*****

 _____ Peter Iglesias _____ City Manager _____ 10/18/19 _____
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.*****

_____ _____ _____ 10/18/19 _____
Signature of Authorized Representative _____ Print Authorized Representative's Name _____ Title _____ Date _____

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

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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 City of Coral Gables Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio No. C-3 Canal

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
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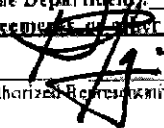
Signature of Owner	Print Owner's Name	Date
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B. IF THE OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON

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

<u>City of Coral Gables</u>	<u>Local Government</u>	<u>Florida</u>
Print Name of Owner (Enter the complete name as registered)	Type (Corp, LLC, LLP, etc.)	State of Registration/Incorporation
<u>2800 SW 72 Avenue, Miami, FL, 33155</u>		
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.*****

	<u>Peter Iglesias</u>	<u>City Manager</u>	<u>10/10/2019</u>
Signature of Authorized Representative	Print Authorized Representative's Name	Title	Date

Signature of Authorized Representative	Print Authorized Representative's Name	Title	Date
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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
OCT 18 2019

NATURAL RESOURCES DIVISION
DEPARTMENT OF REGULATION
AND ECONOMIC RESOURCES

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Attachment B

Owner/Agent Letter, Engineer Letter and Project Sketches

ENGINEER LETTER OF CERTIFICATION

Date: October 22, 2019

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

RE: Class I Permit Application Number CLI-2018-0117

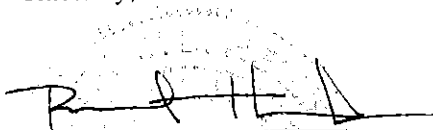
Ladies and Gentlemen:

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,


Patrick Helms
AECOM - Project Manager
P.E. # 70805

PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT

Date: October 22, 2019

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-2018-0117

By the attached Class I Standard Form permit application with supporting documents, I, Jose Saucedo, am the permit applicant / applicant's authorized agent (circle one) and hereby request permission to perform the work associated with Class I Permit Application CLI-2018-0117. 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,



Jose Saucedo, Authorized Agent



FOR

RESTORATION PROGRAM

SECTION 18, TOWNSHIP 54S, RANGE 41E

MIAMI-DADE COUNTY, FLORIDA



PREPARED FOR:
CITY OF CORAL GABLES PUBLIC WORKS
2800 S.W. 72ND AVE.
MIAMI, FLORIDA 33155

RECEIVED BY:



811 

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<u>SHEET LIST TABLE</u>	
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2	GENERAL NOTES
3	LEGEND, ABBREVIATIONS AND SUMMARY OF QUANTITIES
4	C-3 CANAL PLAN AERIAL
5	C-3 CANAL PLAN
6-7	DETAILS
8	CROSS SECTIONS

[illegible]

PATRICK D. HELMS, P.E.
No. 70805

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF CORAL GABLES, MAINTENANCE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA DEPARTMENT OF TRANSPORTATION, SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), AND ALL OTHER LOCAL AND NATIONAL CODES WHICH ARE APPLICABLE.
2. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ENVIRONMENTAL SAFETY AND HEALTH ADMINISTRATION (EPA) AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WHICH SHALL BE STRICTLY OBSERVED.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION.
4. UPON RECEIPT OF NOTICE OF AWARD AND AFTER OBTAINING AN ENGINEERING CONSTRUCTION PERMIT FROM APPLICABLE AGENCIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
5. CONTRACTOR SHALL CONTACT SURFACE STATE ONE-CALL AT 811 AT LEAST 48 HOURS PRIOR TO BEGINNING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
6. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.
7. EXISTING UNDERGROUND UTILITIES, IF SHOWN ON THE DRAWINGS, HAVE BEEN SHOWN BASED UPON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND COSTS TO CORRECT DAMAGE TO EXISTING UTILITIES FROM FAILURE TO TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
10. IT IS THE DUTY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION TO FULLY SATISFY HIMSELF OF SUBSURFACE CONDITIONS.
11. IF UPON EXCAVATION AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF CORAL GABLES PUBLIC WORKS PROJECT MANAGER.
12. CONTRACTOR SHALL PROVIDE HIS OWN LINE AND GRADE FROM HORIZONTAL AND VERTICAL CONTROL.
13. FOR EACH PROJECT AREA, VERTICAL CONTROL IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
14. TOPOGRAPHICAL INFORMATION WAS PROVIDED BY AERIAL PHOTOGRAPHY AND WAS PERFORMED ON OCTOBER 6, 2011 FOR SHORELINE CORRELATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
15. ANY BRUSH WORK ENCOUNTERED WITHIN THE LIMITS OF CONSTRUCTION TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF UNDERGROUND WORKS AND PILES IN THE PROJECT AREA. THE METHOD OF CONSTRUCTION FOR REMOVAL SHALL BE DETERMINED BY THE CONTRACTOR IN CONJUNCTION WITH THE CITY OF CORAL GABLES PUBLIC WORKS PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
17. ALL GEOTECHNICAL INFORMATION WAS OBTAINED FROM ARDMAN & ASSOCIATES, INC. DATED MARCH 8, 2016. CONTRACTOR IS TO REFER TO PLANS FOR SUB-SURFACE PROFILE AND TO PROVIDE HIS OWN GEOTECHNICAL EXPERTISE FOR CONSTRUCTION.
18. THE CONTRACTOR SHALL NOTIFY THE CITY OF CORAL GABLES PUBLIC WORKS PROJECT MANAGER AT LEAST 24 HOURS PRIOR TO BEGINNING OF WORK.
19. THE CANAL IMPROVEMENT WORK SHALL INCLUDE BRIDGE, ELEVATION, SLOPE, STABILIZATION AND OTHER EXISTING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
20. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DRAINAGE, DITCHES, DRAINS, CATCH BASINS, OR OTHERWISE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
21. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE CITY OF CORAL GABLES, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED OR INTERFERED BY THE CONTRACTOR'S OPERATIONS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
22. CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC PATTERN THROUGHOUT ALL WORK OPERATIONS. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY OF CORAL GABLES, AUTOC, MAINTENANCE PUBLIC WORKS DEPARTMENT AND FDOT.
23. ALL EXCAVATING SHALL COMPLY WITH OSHA'S EXCAVATION SAFETY STANDARDS AND FLORIDA'S BECKON SAFETY ACT. CONTRACTOR SHALL FURNISH THE OWNER WITH WRITTEN ASSURANCE THAT HE WILL COMPLY WITH THESE REGULATIONS.
24. THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON THAT CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL, OR TRUCKS, TRAILERS, STORAGE TANKS, OR OTHER EQUIPMENT WHICH MAY NOT BE SHOWN ON PLANS.
25. CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND UTILITIES WHICH MAY NOT BE SHOWN ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
26. CONTRACTOR TO RELOCATE TREES AS DIRECTED BY THE CITY OF CORAL GABLES. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY EXISTING TREES TO BE REMOVED OR DAMAGED BY THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
27. CONTRACTOR SHALL MAINTAIN THE SLOPES SHOWN ON THE CROSS-SECTION PLANS, BY NO MEANS SHALL THE CONTRACTOR ALTER THE CANAL.

GENERAL NOTES (CONTINUED)

28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING AT HIS OWN EXPENSE ANY ITEMS DAMAGED DUE TO HIS PERSONNEL OR EQUIPMENT INSIDE AND/OR OUTSIDE OF THE CONSTRUCTION AREA.
29. CONTRACTOR SHALL ENSURE THAT ALL MAID OR ANY OTHER TYPE OF DEBRIS IS CLEANED FROM ADJACENT ROADWAYS (WHERE APPLICABLE) AT THE END OF EACH WORK DAY. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
30. CONTRACTOR SHALL MAINTAIN EXISTING IRRIGATION SYSTEMS. IN CASE OF DAMAGE, THE CONTRACTOR SHALL REPLACE IRRIGATION SYSTEMS TO MATCH EXISTING CONDITIONS AND LOCATION.
31. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSURING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTOR IS TO BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
32. EROSION CONTROL MEASURES SHALL BE INSTALLED AT LEAST WEEKLY AND AFTER EACH RAIN EVENT FOR DAMAGE AND GENERAL EROSION. ANY DAMAGED OR INEFFECTIVE CONTROL SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
33. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED, IF DEEMED NECESSARY, BY THE ON-SITE INSPECTOR.
34. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY AND PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
35. ALL TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE LEFT IN PLACE AND MAINTAINED UNTIL THE AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION.
36. ALL CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ON TO ANY PUBLIC RIGHT-OF-WAY. THIS SHALL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION CONFORMANCE TO ACHIEVE THE CITY OF CORAL GABLES CITY PUBLIC WORKS PROJECT PURPOSES, AND THE DRAINAGE OF RECORD.
37. FLOODING EROSION BARRIERS SHALL BE INSTALLED AND MAINTAINED AS CLOSE AS POSSIBLE TO THE CONSTRUCTION OPERATION UPSTREAM AND DOWNSTREAM OF CANALS. TURBIDITY BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND DETAILS.
38. TURBIDITY SCREENS OR EQUIPMENT SHALL BE PROPERLY EMPLOYED AND MAINTAINED AS NECESSARY DURING CONSTRUCTION ACTIVITIES SO THAT TURBIDITY LEVELS DO NOT EXCEED 30 NTU'S ABOVE NATURAL BACKGROUND 50 FEET DOWNSTREAM OF POINT OF DISCHARGE. IF TURBIDITY LEVELS EXCEED THESE LIMITS, PUBLIC ACTIVITIES SHALL IMMEDIATELY CLOSE, AND WORK SHALL NOT RESUME UNTIL TURBIDITY LEVELS DROP TO WITHIN THESE LIMITS.
39. CONTRACTOR SHALL SOO CHASS AREAS DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
40. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).

AS-BUILT REQUIREMENT NOTES

1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
2. ALL AS-BUILT INFORMATION SUBMITTED TO THE CITY OF CORAL GABLES PUBLIC WORKS PROJECT MANAGER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE CITY OF CORAL GABLES THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE COMPLETED WORK. AS-BUILT PLANS SHALL INCLUDE SURVEY CROSS-SECTIONS AT 50' INTERVALS ALONG BASELINE.
3. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CITY OF CORAL GABLES PUBLIC WORKS PROJECT MANAGER ONE COMPLETE SET (ELECTRONIC AND HARD COPY) OF AS-BUILT CONSTRUCTION INFORMATION. THE INFORMATION SHALL BE SUBMITTED TO THE CITY OF CORAL GABLES PUBLIC WORKS PROJECT MANAGER AND SUFFICIENT LOCATION AND ELEVATION DATA TO BE USED FOR ALL FUTURE CONSTRUCTION AND SHALL BE SUBMITTED BY THE CONTRACTOR.
4. ALL AS-BUILT INFORMATION OF WORK PERFORMED SHALL BE CERTIFIED BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
5. PRIOR TO A FINAL INSPECTION BY THE CITY OF CORAL GABLES, THE CONTRACTOR SHALL SUBMIT TO THE CITY TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS.
6. UPON A FINAL INSPECTION BY THE CITY OF CORAL GABLES, THE CONTRACTOR SHALL SUBMIT TO THE CITY FIVE (5) SETS OF AS-BUILT CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL SUBMIT TO THE CITY TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS IN ELECTRONIC FORMAT (PDF) AND TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS IN PRINTED FORMAT (PDF) FOR THE CITY OF CORAL GABLES. THE CONTRACTOR SHALL SUBMIT TO THE CITY TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS IN ELECTRONIC FORMAT (PDF) AND TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS IN PRINTED FORMAT (PDF) FOR THE CITY OF CORAL GABLES. THE CONTRACTOR SHALL SUBMIT TO THE CITY TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS IN ELECTRONIC FORMAT (PDF) AND TWO (2) SETS OF AS-BUILT CONSTRUCTION DRAWINGS IN PRINTED FORMAT (PDF) FOR THE CITY OF CORAL GABLES.

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

1. ALL PERSONNEL ASSOCIATED WITH THE PROJECT SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MANATEES AND MANATEE OTHER SPECIES AND THE NEED TO PROTECT THEM. ALL PERSONNEL SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MANATEES AND MANATEE OTHER SPECIES AND THE NEED TO PROTECT THEM. ALL PERSONNEL SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MANATEES AND MANATEE OTHER SPECIES AND THE NEED TO PROTECT THEM.
2. ALL VESSELS ASSOCIATED WITH THE PROJECT SHALL OPERATE AT "SLOW SPEED/NO WAKE" AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND SHALL BE REGULARLY MONITORED TO AVOID MANATEE DISTURBANCE. ALL VESSELS SHALL FOLLOW VESSEL TRAILERS AND VESSEL TRAILERS SHALL BE REGULARLY MONITORED TO AVOID MANATEE DISTURBANCE.
3. EROSION OF TURBIDITY BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTAILED. SHALL BE PROPERLY SECURED, AND SHALL BE REGULARLY MONITORED TO AVOID MANATEE DISTURBANCE. ALL VESSELS SHALL FOLLOW VESSEL TRAILERS AND VESSEL TRAILERS SHALL BE REGULARLY MONITORED TO AVOID MANATEE DISTURBANCE.
4. ALL ON-SITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEES. ALL IN-WATER OPERATIONS, INCLUDING VESSELS, MUST BE SHUT DOWN IF A MANATEE COMES WITHIN 50 FEET OF THE OPERATIONS. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE HAS MOVED BEYOND THE 50 FEET RANGE. IF A MANATEE IS OBSERVED WITHIN 50 FEET OF THE OPERATIONS, ALL OPERATIONS SHALL BE SHUT DOWN UNTIL THE MANATEE HAS MOVED BEYOND THE 50 FEET RANGE. IF A MANATEE IS OBSERVED WITHIN 50 FEET OF THE OPERATIONS, ALL OPERATIONS SHALL BE SHUT DOWN UNTIL THE MANATEE HAS MOVED BEYOND THE 50 FEET RANGE.
5. ANY COLLISION WITH OR HARM TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) (1-800-368-3888). FOR SOUTH FLORIDA (1-877-832-5323), AND FOR THE FWC AT 1-800-368-3888.
6. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN-WATER PROJECT ACTIVITIES. ALL SIGNS ARE TO BE REMOVED BY THE CONTRACTOR IMMEDIATELY AFTER THE PROJECT IS COMPLETED. ALL SIGNS ARE TO BE REMOVED BY THE CONTRACTOR IMMEDIATELY AFTER THE PROJECT IS COMPLETED. ALL SIGNS ARE TO BE REMOVED BY THE CONTRACTOR IMMEDIATELY AFTER THE PROJECT IS COMPLETED.



CITY OF CORAL GABLES C-3 CANAL STABILIZATION RESTORATION PROGRAM

PATRICK D. HELMS, P.E.
No. 70805

GENERAL NOTES

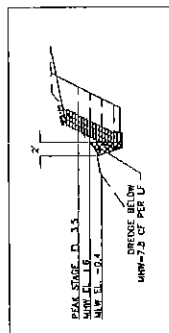
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2	2/28-2021	REVISION	PK	MS
3	6/04/2025	REVISION	PK	MS
4	2/21/2017	ISSUED FOR PERMIT	PK	MS
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50	2/21/2017	ISSUED FOR PERMIT	PK	MS

	BASELINE	_____
	PROPOSED	_____
	GROWTH	_____
	EXISTING	_____
	PROPOSED	_____
	TURBIDITY	_____
	PROPOSED	_____
	PROPOSED	_____
	EDGE OF	_____
	EDGE OF	_____
	MEAN HIGH	_____

MASSACHUSETTS - AMERICAN ASSOCIATION OF STATE
 HIGHWAYS AND TRANSPORTATION OFFICIALS
 MASSACHUSETTS - CANAL BANK STABILIZATION
 MASSACHUSETTS - CORRUPTED METAL PIPE
 MASSACHUSETTS - CONCRETE
 MASSACHUSETTS - DIAMETER
 MASSACHUSETTS - EQUIVALENT
 MASSACHUSETTS - EXISTING
 MASSACHUSETTS - FLORIDA DEPARTMENT
 MASSACHUSETTS - OF TRANSPORTATION
 MASSACHUSETTS - FEET
 MASSACHUSETTS - HEIGHT
 MASSACHUSETTS - LENGTH
 MASSACHUSETTS - POUND
 MASSACHUSETTS - WASHINGTON
 MASSACHUSETTS - MURKIN

[illegible][illegible]

NOTE:
TREE REMOVAL SHALL BE MINIMIZED AND COORDINATED WITH THE CITY ARBORIST FOR FIELD VERIFICATION.



REFERENCE AND BILL CALCULATION OF TAX

NOTE: BASED ON THE SURVEY CROSS-SECTIONS ON SHEET A, DREDGE AND FILL BELOW HWN IS ONLY ANTICIPATED WITHIN THE CROSS-SECTION AT STA 102+83.75. BECAUSE CROSS-SECTIONS WERE OBTAINED AT 100 FOOT INTERVALS, WE ASSUMED DREDGE AND FILL BELOW HWN TO OCCUR FROM STA 102+33.33 TO STA 103+33.33.

CALCULATIONS

- WIDTH OF IMPACT BELOW MHW = 2 FT
- LENGTH OF ORIDGE / FILL BELOW MHW = 100 FT
- ORIDGE AND FILL BELOW MHW = 2 FT X 100 FT = 200 SF
- ORIDGE AND FILL BELOW MHW = 7.0 DEAF X 100 LF = 700 SF (28.0 CF)

AECOM
AECOM Technical Services, Inc.
20801 Pines North Lane, Suite 300
Maya Palm Beach, Florida 33408
T 561.644.3176 F 561.644.8251

CITY OF CORAL GABLES C-3 CANAL STABILIZATION
RESTORATION PROGRAM

PATRICK D. HELMS, P.E.
No. 70805

3



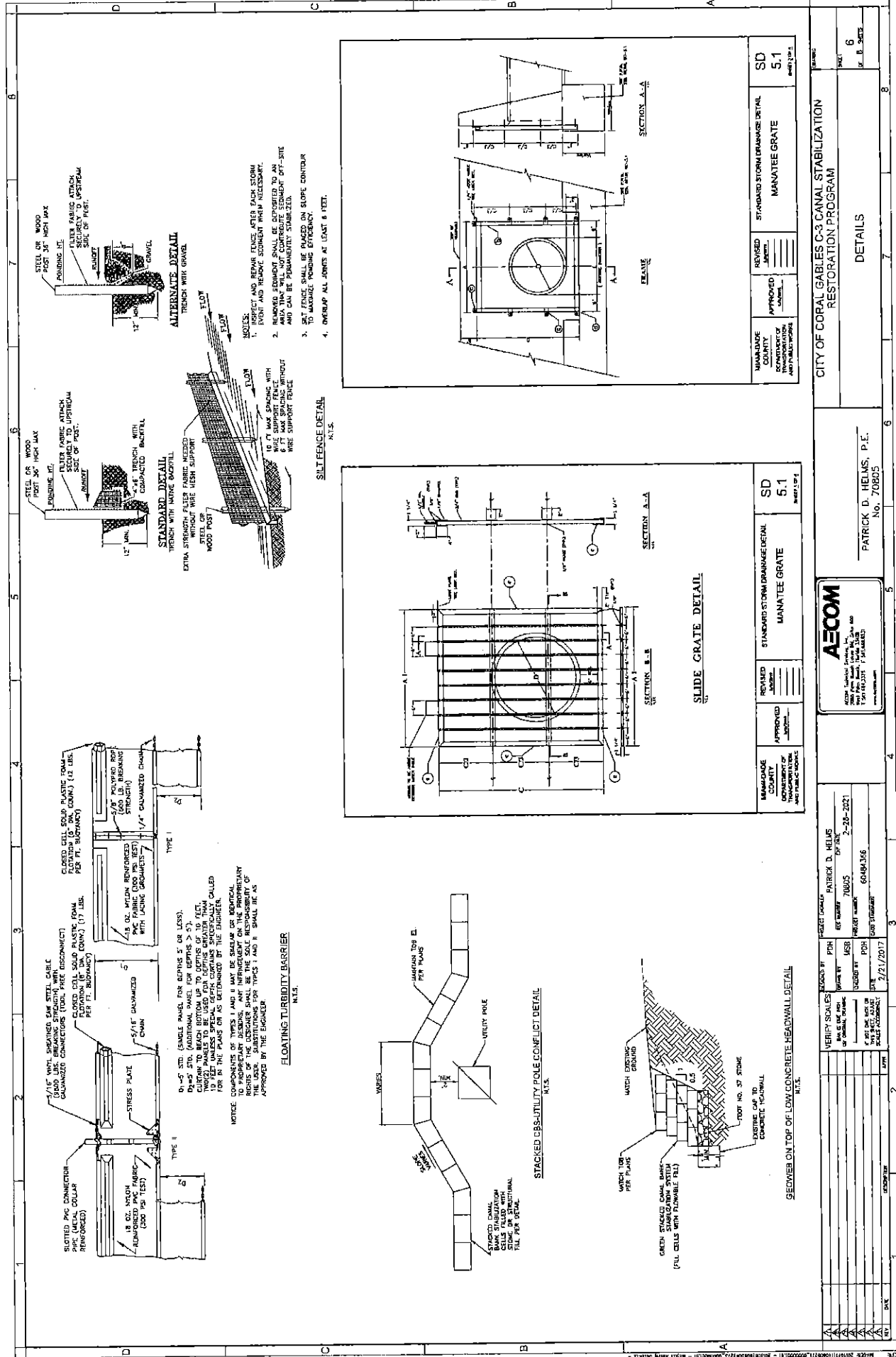
LEGEND

- CONCRETE / STAINED CANAL BANK STABILIZATION
- PROPOSED TOP OF BANK LINE
- PROPOSED BOTTOM OF CANAL BANK STABILIZATION LINE
- MEAN HIGH WATER ELEVATION 1.5 FT-NGVD
- MEAN LOW WATER ELEVATION -0.4 FT-NGVD

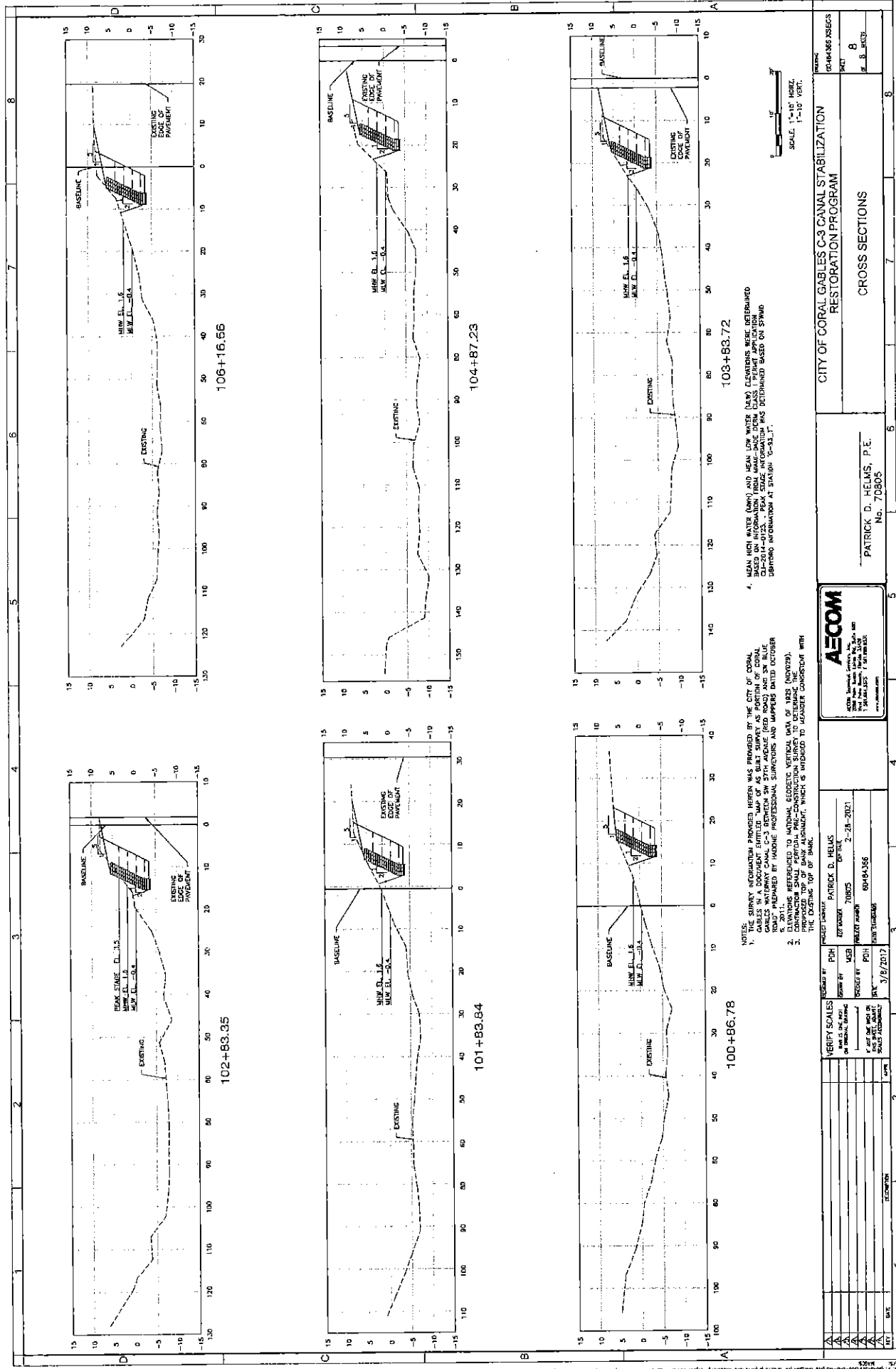
NOTES

- CONTRACTOR SHALL PERFORM PRE-CONSTRUCTION SURVEY TO DETERMINE THE PROPOSED TOP OF BANK ELEVATION, WHICH IS INTENDED TO MAINTAIN CONSTANT WITH THE EXISTING CANAL BANK ELEVATION. THE CONTRACTOR SHALL PROVIDE THE CITY OF CORAL GABLES WITH A PREVIOUS PROJECT AT THIS LOCATION.
- CONTRACTOR SHALL PROTECT ALL EXISTING GROUND WITHIN THE LIMITS OF CONSTRUCTION. ANY DAMAGED GROUND SHALL BE REPLACED IN ACCORDANCE WITH THE DESIGN AND NOT IN EXCESS OF 10% AND AT THE CONTRACTOR'S EXPENSE.
- ALL STAKED CANAL BANK STABILIZATION (CBS) GEOMETRIC MATERIAL SHALL BE SUPPLIED AND INSTALLED PER THE DESIGN AND CONSTRUCTION VERTICAL DATA OF 1928 (MAD2008).
- CONTRACTOR TO PROTECT ALL TREES WITHIN CANAL R/W OR EXISTENCE UNLESS OTHERWISE DIRECTED BY ENGINEER OR CITY.

AECOM 10000 N.W. 11th Avenue, Suite 100 Coral Gables, FL 33134 Tel: 305.442.1000 Fax: 305.442.1001 www.aecom.com		CITY OF CORAL GABLES C-3 CANAL STABILIZATION RESTORATION PROGRAM	
PATRICK D. HELMS, P.E. No. 70905		C-3 CANAL PLAN	
VERIFY SCALES AS SHOWN ON SHEET 1 DATE: 2/21/2017		REVISIONS NO. DESCRIPTION DATE 1. 100% DESIGN 2/21/2017 2. 90% DESIGN 2/21/2017 3. 80% DESIGN 2/21/2017 4. 70% DESIGN 2/21/2017	







4. MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) ELEVATIONS WERE DETERMINED BASED ON INFORMATION FROM MARINE-BASE DATA CLASS 1 PERMIT APPLICATION. ELEVATIONS WERE DETERMINED BASED ON SPREAD SHEET INFORMATION AT STATION 103+83.72.

NOTES:
 1. SURVEY INFORMATION PROVIDED HEREON WAS PROVIDED BY THE CITY OF CORAL GABLES IN A DOCUMENT ENTITLED "MAP OF AS BUILT SURVEY OF PORTION OF CORAL GABLES WATERWAY CANAL C-3 BETWEEN SW 27TH AVENUE (RED ROAD) AND SW BLUE ROAD" PREPARED BY TADONE PROFESSIONAL SURVEYORS AND DATED OCTOBER 8, 2011.
 2. ELEVATIONS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1989 (NGVD89).
 3. ELEVATIONS REFERENCED TO MEAN SEA LEVEL (MSL).
 4. THE EXISTING TOP OF BANK.

SCALE: 1"=10' HORIZ.
 1"=10' VERT.

CITY OF CORAL GABLES C-3 CANAL STABILIZATION RESTORATION PROGRAM		CROSS SECTIONS	
AECOM AECOM Technical Services, Inc. 10000 SW 12th Avenue, Suite 200 Miami, FL 33186 Tel: 305.445.7100 Fax: 305.445.7101		PATRICK D. HELMS, P.E. No. 70805	
PROJECT NUMBER: 70805 DATE: 2-28-2017 DRAWN BY: MEB CHECKED BY: PDI DATE: 3/16/2017		SHEET NO. 2 TOTAL SHEETS: 8	

Attachment C

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

Ref Folio:0341180060080
MARVIN ROSS FRIEDMAN
3417 ALHAMBRA CIR
CORAL GABLES, FL 33134-6211

Ref Folio:0341180060120
RENE ARENCIBIA &W LIZBETH D
3441 ALHAMBRA CIR
CORAL GABLES, FL 33134-6211

Ref Folio:0341180060200
CLAUDINE C WHEELER
3609 ALHAMBRA CT
CORAL GABLES, FL 33134-6225

Ref Folio:0341180061470
ROY GONZALEZ
3510 ALHAMBRA COURT
CORAL GABLES, FL 33134

Ref Folio:0341180061540
JANET PEREZ
3519 ALHAMBRA CIR
CORAL GABLES, FL 33134-6213

Ref Folio:0341180061770
FERNANDO GARCIA &W MARGARITA
1544 TARANGONA DR
CORAL GABLES, FL 33134-6250

Ref Folio:0341180061790
YVETTE M PATINO
3502 ALHAMBRA CIRCLE
CORAL GABLES, FL 33134

Ref Folio:0341180061810
JAMES T MCLAUGHLIN
1545 MURCIA AVE
CORAL GABLES, FL 33134-6233

Ref Folio:0341180061840
JUAN BOTERO
1561 MURCIA AVE
CORAL GABLES, FL 33134

Ref Folio:0341180061940
RAMONA GAGLIARDI
1515 SALVATIERRA DR
CORAL GABLES, FL 33134-6239

Ref Folio:0341180060090
MANUEL R MARTINEZ
3425 ALHAMBRA CIR
CORAL GABLES, FL 33134-6211

Ref Folio:0341180060190
ALBERTO F COSIO &W MAGDALENA S
3601 ALHAMBRA CT
CORAL GABLES, FL 33134-6225

Ref Folio:0341180061460
3511 ALHAMBRA LLC
30 LANG ROAD
WEST SHOKAN, NY 12404

Ref Folio:0341180061471
ALAN ZAME &W SHELLEY
3600 ALHAMBRA CT
CORAL GABLES, FL 33134-6226

Ref Folio:0341180061740
ARNALDO L BOMNIN JR
1550 TARAGONA DR
CORAL GABLES, FL 33134

Ref Folio:0341180061780
JOSE R GARRIGO &W VICTORIA F
1536 TARAGONA DR
CORAL GABLES, FL 33134-6250

Ref Folio:0341180061800
ROLANDO C VAZQUEZ JR &W SILVIA B
3516 ALHAMBRA CIR
CORAL GABLES, FL 33134-6214

Ref Folio:0341180061830
HECTOR M LIMA &W
8220 SW 2 ST
MIAMI, FL 33144

Ref Folio:0341180061930
MAX F KELLY
3416 ALHAMBRA CIRCLE
CORAL GABLES, FL 33134

Ref Folio:0341180061960
ALEXANDRE CARDOSO
1531 SALVATIERRA DR
CORAL GABLES, FL 33134

19

Ref Folio:0341180061980
MYRIAM GARCIA TR
1541 SALVATIERRA DR
CORAL GABLES, FL 33134-6239

Ref Folio:0341180062010
OTTO ARNOLD
1561 SALVATIERRA DR
CORAL GABLES, FL 33134

Ref Folio:0341180080020
SALVATIERRA 1530 CORP
155 SW 25 RD
MIAMI, FL 33129

Ref Folio:0341180080040
JEFFREY E YANES JTRS
1550 SALVATIERRA DR
CORAL GABLES, FL 33134

Ref Folio:0341180062000
ADYS RIVERA
1551 SALVATIERRA DR
CORAL GABLES, FL 33134

Ref Folio:0341180080010
EDWARD L REID II & W FRANCES YORK
3430 ALHAMBRA CIR
CORAL GABLES, FL 33134-6200

Ref Folio:0341180080030
HENRY GONZALEZ
1540 SALVATIERRA DR
CORAL GABLES, FL 33134

Ref Folio:

Attachment D
DERM Project Report

CLASS I PERMIT APPLICATION NO. CLI-2018-0117

Class I Permit Application by the City of Coral Gables for the Filling and Maintenance Dredging of Tidal Waters in Association with the Installation of Canal Bank Stabilization Cells along the South Side of the C-3 Canal between Southwest 57th Avenue and Alhambra Circle, Coral Gables, Miami-Dade County, Florida

DATE: November 5, 2019

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** – The proposed dredging and filling is the minimum necessary to protect public property from further erosion and is not reasonably expected to result in adverse environmental impacts. The proposed work complies with Section 24-48.3 of the Code as related to the criteria for a physical modification necessary to protect public or private property. The project has been designed in accordance with all other relevant Miami-Dade County coastal construction criteria and is consistent with all other Miami-Dade County coastal protection provisions. The area where the dredging and filling will occur does not provide significant benthic habitat, and 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 the filling of tidal waters and minor temporary impacts to water quality associated with the installation of the stabilization cells will be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund.

Although the subject property is not located within an area designated as essential habitat for the Florida manatee, it is located upstream from essential habitat. Therefore, the Class I permit will require that all standard manatee construction conditions 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.
3. **Hydrology** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.
4. **Water Quality** – The proposed project is not reasonably expected to result in adverse impacts to water quality. Although the proposed project may result in minor temporary impacts to surface water quality during construction operations, potential impacts will be minimized and mitigated as set forth in Number 1 above.
5. **Wellfields** – The proposed project is not reasonably expected to adversely affect wellfields.
6. **Water Supply** – The proposed project is not reasonably expected to adversely affect water supply.
7. **Aquifer Recharge** – The proposed project is not reasonably expected to adversely affect aquifer recharge.
8. **Aesthetics** – The proposed project is not reasonably expected to adversely affect aesthetics.
9. **Navigation** – The location of the proposed work is not accessible to vessels of any significant size due to its location between a salinity control structure and several low-lying fixed bridges; therefore, the project is not reasonably expected to affect navigation.
10. **Public Health** - The proposed project is not reasonably expected to adversely affect public health.
11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values

12. **Archaeological Values** - The proposed project is not reasonably expected to adversely affect archaeological values.
13. **Air Quality** - The proposed project is not reasonably expected to adversely affect air quality.
14. **Marine and Wildlife Habitats** - The proposed project is not reasonably expected to adversely affect marine and wildlife habitats as set forth in Number 1 above.
15. **Wetland Soils Suitable for Habitat** - The proposed project does not involve any work in wetland soils.
16. **Floral Values** - The proposed project is not reasonably expected to adversely affect floral values.
17. **Fauna Values** - The proposed project is not reasonably expected to adversely affect fauna values.
18. **Rare, Threatened and Endangered Species** - The proposed project is not reasonably expected to adversely affect rare, threatened and endangered species as set forth in Number 1 above. The subject property is not located within an area designated as essential habitat for the Florida manatee; however, it is located upstream from essential habitat. The Class I permit will require that all standard manatee construction conditions be followed during all in water operations.
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 result in adverse impacts to 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. The proposed project will occur on lands owned by the applicant.
24. **Conformance with Standard Construction Procedures and Practices and Design and Performance Standards** - The proposed project complies with the standard construction procedures and practices and design and performance standards of the applicable portions of Chapter 33B 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 (FDEP regulatory authorization or exemption is required)

27. **Conformance with the Miami-Dade County Comprehensive Development Master Plan (CDMP)** - In the opinion of the Director, the proposed project is in conformance with the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

LAND USE ELEMENT I:

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

TRANSPORTATION ELEMENT II

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

Port of Miami River Subelement/Objective 3 – Minimization of impacts to estuarine water quality and marine resources. The 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. The subject property is not located within an area designated as essential habitat for the Florida manatee; however, it is located upstream from essential habitat. The Class I permit will require that all standard manatee construction conditions be followed during all in water operations.

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

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

Objective 3/Policies 3E, 3F - Location of new cut and spoil areas for proper stabilization and minimization of damages. - The Class I permit will include conditions to ensure that the modified shoreline is stable, and is maintained in a manner that prevents erosion into tidal waters.

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. The subject property is not located within an area designated as essential habitat for the Florida manatee; however, it is located upstream from essential habitat. The Class I permit will require that all standard manatee construction conditions be followed during all in water operations.

Objective 5/Policy 5B - Existing and new areas for water-dependent uses. - The proposed project is not reasonably expected to affect water-dependent uses.

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Objective 5/Policy 5D - Consistency with Chapter 33D, Miami-Dade County Code. (shoreline access, environmental compatibility of shoreline development) – The proposed project site is not located within the Shoreline Development Review boundaries; therefore, the thresholds for review by the Shoreline

Development Review Committee under the Shoreline Ordinance do not apply and the proposed project is not subject to shoreline development review.

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

28. **Conformance with Chapter 33B, Code of Miami-Dade County** (East Everglades Zoning Overlay Ordinance) – The proposed project is not located within the East Everglades Area.
29. **Conformance with Miami-Dade County Ordinance 81-19** (Biscayne Bay Management Plan Sections 33D-1 through 33D-4 of the Code of Miami-Dade County) - The proposed project is in conformance with the Biscayne Bay Management Plan.
30. **Conformance with the Miami-Dade County Manatee Protection Plan** - The proposed project is not within an area identified by the Miami-Dade County Manatee Protection Plan (MPP) as essential manatee habitat. The Class I permit will require that all standard manatee construction conditions be followed during all in water operations. The subject property is not located within an area designated as essential habitat for the Florida manatee; however, it is located upstream from essential habitat. The Class I permit will require that all standard manatee construction conditions be followed during all in water operations.
31. **Consistency with Miami-Dade County Criteria for Lake Excavation** – The proposed project does not involve lake excavation.
32. **Zoning Recommendation** – Pursuant to Section 24-48.2(II)(B)(7) of the Code 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.
33. **Coastal Resources Management Line** - A coastal resources management line was not required for the proposed project, pursuant to Section 24-48.2(II)(B)(10)(b) of the Code of Miami-Dade County.
34. **Maximum Protection of a Wetland's Hydrological and Biological Functions** – The proposed project does not involve impacts to wetlands.
35. **Class I Permit Applications Proposing to Exceed the Boundaries Described in Section D-5.03(2)(a) of the Miami-Dade County Public Works Manual** – Not applicable.

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

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

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

24-48.3 (3) Minimum Water Depth Required for Boat Slips Created by the Construction or Placement of Fixed or Floating Docks and Piers, Piles and Other Structures Requiring a Permit

Under Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County – The proposed project does not involve the creation of a boat slip.

24-48.3 (4) Clean Fill in Wetlands – The project involves filling; all fill will meet the definition of clean fill as defined in Section 24-5 of the Code of Miami-Dade County.

BASED ON THE FOREGOING, IT IS RECOMMENDED THAT A CLASS I PERMIT BE APPROVED.

McKee Gray, Manager
Coastal Resources Section

Tammy Burton, Biologist II
Coastal Resources Section



MEMORANDUM

(Revised)

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

DATE: March 3, 2020

FROM: Abigail Price-Williams
County Attorney

SUBJECT: Agenda Item No. 5(E)

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(E)
3-3-20

RESOLUTION NO. R-241-20

RESOLUTION TAKING ACTION ON A CLASS I PERMIT APPLICATION BY THE CITY OF CORAL GABLES FOR THE FILLING AND MAINTENANCE DREDGING OF TIDAL WATERS IN ASSOCIATION WITH THE INSTALLATION OF CANAL BANK STABILIZATION CELLS ALONG THE SOUTH SIDE OF THE C-3 CANAL BETWEEN SOUTHWEST 57 AVENUE AND ALHAMBRA CIRCLE, CORAL GABLES, MIAMI-DADE COUNTY, FLORIDA

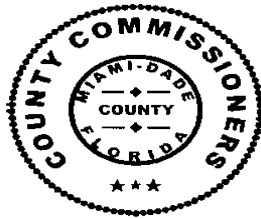
WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board having considered all the applicable factors contained within Section 24-48.3 of the Code of Miami-Dade County, hereby approves the application by the City of Coral Gables for the filling and dredging of tidal waters in association with the installation of canal bank stabilization cells along the south side of the C-3 Canal between Southwest 57 Avenue and Alhambra Circle, Coral Gables, Miami-Dade County, Florida, subject to the conditions set forth in the memorandum from the Miami-Dade County Department of Regulatory and Economic Resources, a copy of which is attached hereto and made a part hereof. The issuance of this approval does not relieve the applicant from obtaining all applicable Federal, State, and local permits.

The foregoing resolution was offered by Commissioner **Joe A. Martinez**, who moved its adoption. The motion was seconded by Commissioner **Esteban L. Bovo, Jr.** 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.	aye	Daniella Levine Cava	aye
Jose "Pepe" Diaz	aye	Sally A. Heyman	absent
Eileen Higgins	aye	Barbara J. Jordan	aye
Joe A. Martinez	aye	Jean Monestime	aye
Dennis C. Moss	absent	Sen. Javier D. Souto	absent
Xavier L. Suarez	absent		

The Chairperson thereupon declared this resolution duly passed and adopted this 3rd day of March, 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

Linda L. Cave

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

A handwritten signature in black ink, appearing to read "ASR", enclosed within a circular outline.

Abbie Schwaderer-Raurell