OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

# Memorandum

**Date:** March 4, 2025

**To:** Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

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

Agenda Item No. 5(F)

Resolution No. R-229-25

**Subject:** Class I Permit Application by Miami-Dade County, through its Seaport Department

## Recommendation

I have reviewed the attached application for a Class I permit by Miami-Dade County, through its Seaport Department, 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 modification 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 along the north shoreline of PortMiami, in Commission District 5, which is represented by Commissioner Eileen Higgins.

## Delegation of Authority

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

## Fiscal Impact/Funding Source

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

## Track Record/Monitor

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

## Background

The subject Class I permit application requests authorization to develop Berth 10 through the excavation of a portion of the uplands, installation of a new seawall, return wall, toewall, and non-maintenance dredging of tidal waters in Biscayne Bay along the north shoreline. The proposed project is required to be heard and decided upon by the Board at a public hearing because this type of non-maintenance dredging is specifically referenced in Section 24-48.2(II)(A) of the Code as work that shall be processed as a standard form application.

The Seaport is seeking to realign the northern shoreline and create an additional berth through the removal of the existing riprap shoreline, the excavation of the uplands, and the installation of a new seawall, with associated return walls and toewall, approximately 132 feet landward of the existing riprap shoreline proposed to be removed. The proposed upland excavation would result in the creation

of 2.755 acres of new tidal waters and bay bottom which would enhance navigability and provide additional berthing areas for cruise ships at PortMiami. Additionally, to facilitate the safe ingress and egress of cruise ships berthing in the new slip, the Seaport is proposing to conduct non-maintenance dredging of the submerged bay bottom along the length of the Berth to match the adjacent bottom elevation of minus thirty-six (-36) feet National Geodetic Vertical Datum.

According to section 24-48.3(2) of the Code, dredging and filling work proposed in a Class I permit application should comply with at least one of the criteria listed in that section of the Code. The proposed non-maintenance dredging would result in the minimal amount of dredging of submerged bay bottom to allow for safe navigation and dockage of cruise ships at the new berth and therefore complies with the criteria listed in section 24-48.3(2)(c) because it is the minimum necessary for the creation and maintenance of marinas, piers, docks and attendant navigational channels.

The project site is located within an area recommended for "Freight Terminals/Large Vessel (>100') Berthing" by the Miami-Dade County Manatee Protection Plan (MPP) and is not located within essential habitat for the West Indian Manatee. The Class I permit would require that all standard manatee construction conditions be followed during all in-water construction operations. Furthermore, the mooring of vessels or barges greater than 100 feet in length would require the use of a fender system that provides a minimum of 4 feet of standoff from the bulkhead under maximum operational compression

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. An in-water benthic survey revealed a dense coverage of macroalgae, and invertebrates, including corals, growing on the riprap shoreline. The Seaport is proposing the following measures in an effort to avoid and minimize impacts to benthic resources within the project footprint.

Approximately 521 hard and soft coral colonies (not including those colonies attached to the Pilot House revetment boulders) would be relocated to either (1) artificial reef site POM-A or (2) Pilot House revetment area (as space allows) or (3) donated to an entity that is conducting restoration or restoration research, such as, but not necessarily limited to, University of Miami's Rosenstiel School of Marine, Atmospheric, and Earth Science (RSMAS). All *Colpophyllia natans*, *Dichocoenia stokesii*, and *Diploria labryrinthiformis* coral species (regardless of size), identified in the pre-relocation coral survey would be prioritized for relocation to the Pilot House revetment area. The focus of the relocation program would be to relocate corals that are anticipated to survive well on the offshore artificial reef and initiate colonization of the reef.

While the construction would result in the loss of the existing macroalgae and invertebrates within the project footprint, it is reasonably expected that upon completion of the work the new sheetpile seawall would provide suitable habitat for the re-establishment of similar benthic resources, including federally listed threatened species of coral that can recruit from the surrounding area. In addition, it is not anticipated that this project would result in negative changes to the quality of the available habitat, and a similar amount of suitable replacement habitat for both federally listed threatened and non-listed corals would be available upon completion of the proposed work. Furthermore, the existing habitat within the proposed project footprint is not considered critical to federally listed threatened species of coral as adequate habitat for both listed and non-listed species of coral exist elsewhere in Miami-Dade County. For all these reasons, this project is not anticipated to result in an adverse environmental impact to habitat that is critical to either federally listed threatened or non-listed species of corals.

In addition to the above-mentioned coral relocation, compensatory mitigation would be required for the otherwise permittable impacts associated with the project. Mitigation for temporary water quality impacts associated with the installation of the new seawall and dredging was evaluated using the Uniform Mitigation Assessment Method, pursuant to 62-345, F.A.C. Based on an evaluation of the proposed work, additional mitigation under Chapter 24 would not be required because the impacts would be fully offset by the above-mentioned measures and by the creation of 2.755 acres of tidal waters and bay bottom resulting from the excavation of the uplands. Furthermore, seawalls throughout PortMiami have been documented to provide significant surface area for colonization by benthic resources. It is reasonably expected that upon completion of the proposed seawall, recolonization of benthic resources similar to those that previously existed within the project footprint, including federally listed species of coral, could occur on the new seawall. Should the permit be granted by the Board, a mitigation bond to ensure that an appropriate environmental enhancement project is completed would be required prior to permit issuance.

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 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 D: Florida Department of Environmental Protection Permit (Berth 9 & 10)

# MEMORANDUM

**(Revised)**

**TO**: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

**DATE**: March 4, 2025

**FROM:** Geri Bonzon-Keenan
County Attorney

**SUBJECT**: Agenda Item No. 5(F)

**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 ____, majority plus one ____, 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) ____, 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(F)
3-4-25

RESOLUTION NO. R-229-25

RESOLUTION TAKING ACTION ON A CLASS I PERMIT APPLICATION BY MIAMI-DADE COUNTY, THROUGH ITS SEAPORT DEPARTMENT, FOR THE CREATION OF BERTH 10 THROUGH NON-MAINTENANCE DREDGING OF TIDAL WATERS, UPLAND EXCAVATION, SUBMERGED LAND CREATION, AND THE INSTALLATION OF A NEW SEAWALL, RETURN WALL, AND TOEWALL FOOTER IN THE TIDAL WATERS OF BISCAYNE BAY ALONG THE NORTHEAST SIDE OF PORTMIAMI, 1015 NORTH AMERICA WAY, MIAMI, MIAMI-DADE COUNTY, FLORIDA

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

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA,** that this Board having considered all the applicable factors contained within section 24-48.3 of the Code of Miami-Dade County, Florida, hereby approves the Class I permit application by Miami-Dade County, through its Seaport Department, for the creation of berth 10 through non-maintenance dredging of tidal waters, upland excavation, submerged land creation, and the installation of a new seawall, return wall, and toewall footer in the tidal waters of Biscayne Bay along the northeast side of PortMiami, 1015 North America Way, Miami, Miami-Dade County, Florida, subject to the conditions set forth in the memorandum from the Miami-Dade County Department of Regulatory and Economic Resources, a copy of which is attached hereto and made a part hereof. The issuance of this approval does not relieve the applicant from obtaining all applicable Federal, State, and local permits.

The foregoing resolution was offered by Commissioner **Kevin Marino Cabrera**, who moved its adoption. The motion was seconded by Commissioner **Raquel A. Regalado** and upon being put to a vote, the vote was as follows:

| | | | |
|---|---|---|---|
| Anthony Rodriguez, Chairman | **aye** | | |
| Kionne L. McGhee, Vice Chairman | **aye** | | |
| Marleine Bastien | **aye** | Juan Carlos Bermudez | **aye** |
| Kevin Marino Cabrera | **aye** | Sen. René García | **aye** |
| Oliver G. Gilbert, III | **absent** | Roberto J. Gonzalez | **aye** |
| Keon Hardemon | **aye** | Danielle Cohen Higgins | **aye** |
| Eileen Higgins | **absent** | Raquel A. Regalado | **aye** |
| Micky Steinberg | **aye** | | |

The Chairperson thereupon declared this resolution duly passed and adopted this 4th day of March, 2025. 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

JUAN FERNANDEZ-BARQUIN, CLERK

By: **Basia Pruna**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Christopher J. Wahl

# Attachment A

# Class I Permit Application

MIAMI-DADE COUNTY

# Class I Permit Application

| FOR DEPARTMENTAL USE ONLY | |
|---|---|
| **Date Received:** | **Application Number:** |
| (Updated 09/09) | **Application Fee:** |

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

**1. Applicant Information:**

Name: Miami-Dade County

Address: 1015 North America Way, Suite 200

Miami, FL Zip Code: 33132

Phone #:(305)347-3472 Fax#: _____

Email: becky.hope@miamidade.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: _____

Address: _____

_____ Zip Code: _____

Phone #: _____ Fax#: _____

Email: _____

**3. Location where proposed activity exists or will occur (latitude and longitude are only necessary for properties without address or folio #):**

Folio #(s):01-4205-000-0010 Latitude 25º 46' 05" N Longitude:80º 08' 53" W

Street Address:1015 North America Way – NE side of Port Section:37 Township: 54 S Range: 42 E

In City or Town: Miami, FL Near City or Town: _____

Name of waterway at location of the activity: Biscayne Bay

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

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

☐ Other: _____

**Estimated project cost = $ 20 M**

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): Cruise Vessels

Vessel Make/Model (If known): Typical Cruise Vessel at PortMiami

Draft (s)(range in inches.) 27 ft. Length (s)(range in feet.): 1,120 ft

Total Number of Slips: 1

**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 |
|---|---|---|---|---|
| USACE/FDEP | SP/ERP | SAJ-2006-06542/0181285-017-BI | | Pending/4/19/23 |

**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.)

| Miami-Dade County | Local Government | FL |
|---|---|---|
| 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. ***

| Hydi Webb | Hydi Webb, Port Director | Director + CEO | 3/8/24 |
|---|---|---|---|
| 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 1015 North America Way Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio No. 01-4205-000-0010. 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.)

| Print Name of Owner (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation |
|---|---|---|
| Miami-Dade County | Local Government | FL |

1015 North America Way, Miami FL 33132
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. *****

| Signature of Authorized Representative | Print Authorized Representative's Name | Title | Date |
|---|---|---|---|
| Hydi Webb | Hydi Webb, Port Director | Director + CEO | 3/8/24 |
| | | | |
| 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

## Class I Permit Application Additional Signatures Page

(Please attach to Class I permit application)

**Applicant Name:** _____

**Owner Name:** _____

**Project Location:** _____

**Additional signatures for:** ☐ **Applicant**
☐ **Owner**

**1. IF THE APPLICANT/OWNER IS AN INDIVIDUAL**

| Signature of Applicant/Owner | Print Name of Applicant/Owner | Date |
|---|---|---|
| | | |
| Signature of Applicant/Owner | Print Name of Applicant/Owner | Date |

**2. IF THE APPLICANT/OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON**
(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

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

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

| Signature | Print Name | Title | Date |
|---|---|---|---|
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |
| | | | |
| Signature | Print Name | Title | Date |

**Attachment B:**

**Owner/Agent Letter, Engineer Letter, and Project Sketches**

# PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT

Date: 4/30/24

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-2024-0080

By the attached Class I Standard Form permit application with supporting documents, I, Stephen G. Swingle , am the permit agent and hereby request permission to perform the work associated with Class I Permit Application CLI-2024-0080. 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,

Stephen G. Swingle
_____

# ENGINEER LETTER OF CERTIFICATION

Date: 04/30/2024

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-2024-0080

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.

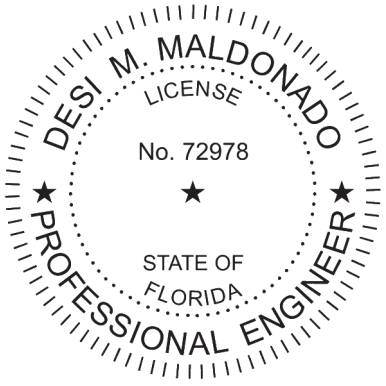
d. Adverse environmental impacts from changes in water quality or quantity. (Applicable to class IV permits only)

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,

Desiderio Maldonado, PE

P.E. # 72978



# PORTMIAMI
# BERTH 10 ENVIRONMENTAL PERMIT DRAWINGS
# 1015 NORTH AMERICA WAY
# MIAMI, FL. 33132
# PORTMIAMI PROJECT NO. 2020-021
# ATKINS PROJECT NO. 100069656
# NOVEMBER 2023


SNC-LAVALIN ATKINS

CORPORATE OFFICE:
4030 W. BOY SCOUT BLVD.
TAMPA, FL 33607
FBPR CERTIFICATE OF
AUTHORIZATION NO.24

LOCAL OFFICE:
800 WATERFORD WAY, SUITE 700
MIAMI, FL 33126
TEL.305.592.7275
FAX. 407.806.4500

WWW.ATKINSGLOBAL.COM


PORTMIAMI

MIAMI-DADE COUNTY
Delivering Excellence Every Day

Honorable Daniella Levine Cava
Mayor

BOARD OF COUNTY COMMISSIONERS

Honorable Oliver G Gilbert, III, Chairman
District 1

Honorable Anthony Rodriguez, Vice Chairman
District 10

Honorable Oliver G. Gilbert, III
District 1

Honorable Marleine Bastien
District 2

Honorable Keon Hardemon
District 3

Honorable Micky Steinberg
District 4

Honorable Eileen Higgins
District 5

Honorable Kevin M. Cabrera
District 6

Honorable Raquel A. Regalado
District 7

Honorable Danielle Cohen Higgins
District 8

Honorable Kionne L. McGhee
District 9

Honorable Anthony Rodriguez
District 10

Honorable Roberto J. Gonzalez
District 11

Honorable Juan Carlos Bermudez
District 12

Honorable René Garcia
District 13

Hydi Webb
Port Director

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC015


X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WORD\5-Env Permit Mooring Berth 10\05 Drawings\01 DERM Permit Drawings\01 C-0001.dwg, 11/15/2023 3:41:11 PM, by DEABB952

| BERTH 10 AREAS | | | |
|---|---|---|---|
| DESCRIPTION | EXISTING | PROPOSED TOTAL FOR BERTH 10 | |
| BULKHEAD LENGTH | N/A | 1,225 FT | |
| RETURN WALL LENGTH | N/A | 95 FT | |
| TOE WALL LENGTH | N/A | 155 FT | |
| FENDERS | N/A | 9 | |
| MOORING BOLLARDS | N/A | 15 | |
| TIE BACKS | N/A | 172 | |
| FILLED SUBMERGED LANDS | N/A | N/A | N/A |
| MAINTENANCE DREDGE SURFACE AREA | N/A | N/A | N/A |
| NEW DREDGE SURFACE AREA | N/A | 170,000 SQ. FT. | 3.903 ACRES |
| SUBMERGED LAND CREATED | N/A | 120,000 SQ FT | 2.755 ACRES |
| BERTH 10 TOTAL DREDGE VOLUME | N/A | 316,000 CY | |

NOTE: BERTH 10 HAS A TOTAL LENGTH OF 1,225 FT. THE BULKHEAD LENGTH IN THE TABLE REPRESENTS THE TOTAL BULKHEAD LENGTH FOR BERTH 10, EXCLUDING RETURN WALL AND TOE WALL. RETURN WALL AND TOE WALL HAVE SEPARATE VALUE IN TABLE.

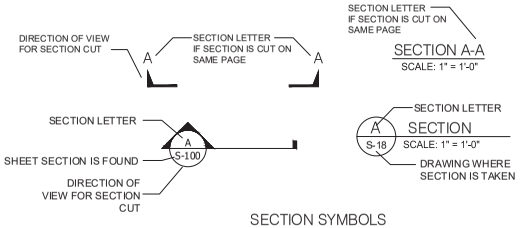
## *INDEX OF DRAWINGS*


| DWG # | SHEET | DESCRIPTION |
|---|---|---|
| 1 | COVER | COVER SHEET |
| 2 | G-001 | GENERAL NOTES AND INDEX |
| 3 | G-002 | BERTH 10 SITE LOCATION PLAN |
| 4 | S-100 | OVERALL PROPOSED SITE PLAN |
| 5 | S-101 | ENLARGED BERTH 10 PLAN 1 |
| 6 | S-102 | ENLARGED BERTH 10 PLAN 2 |
| 7 | S-103 | ENLARGED BERTH 10 PLAN 3 |
| 8 | S-200 | PROPOSED SECTIONS |
| 9 | S-300 | BOLLARD DETAILS |
| 10 | S-400 | FENDER DETAILS |
| 11 | S-500 | WATER STATION DETAILS |
| 12 | S-600 | CURB AND MANATEE GRATE DETAILS |
| 13 | D-100 | DEMOLITION SECTION |
| 14 | D-200 | DEMOLITION SECTION |
| 15 | C-100 | OVERALL DRAINAGE PLAN |
| 16 | C-101 | ENLARGED DRAINAGE PLAN 1 |
| 17 | C-102 | ENLARGED DRAINAGE PLAN 2 |
| 18 | C-103 | ENLARGED DRAINAGE PLAN 3 |
| 19 | C-200 | DRAINAGE DETAILS |
| 20 | DR-100 | BERTH 10 OVERALL DREDGE PLAN |
| 21 | DR-101 | BERTH 10 ENLARGED DREDGE PLAN |

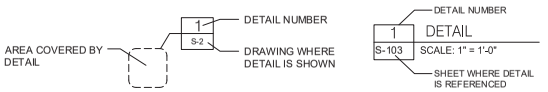

### ABBREVIATIONS:

Ø - DIAMETER
ALT. - ALTERNATE
B/ - BOTTOM
BOT - BOTTOM
BLDG. - BUILDING
COV. - COVER
℄ - CENTER LINE
CONC. - CONCRETE
C.I.P. - CAST IN PLACE
C.J. - CONSTRUCTION JOINT
CLR. - CLEAR COVER
DET.(S) - DETAIL(S)
DIA. - DIAMETER
DIR. - DIRECTION
DWGS. - DRAWINGS
EA. - EACH
E.F. - EACH FACE
E.W. - EACH WAY
EL. - ELEVATION
E.O.R. - ENGINEER OF RECORD
EQ. SP. - EQUAL SPACED
E.J. - EXPANSION JOINT
EXIST. - EXISTING
FIN. GR. - FINISH GRADE
GALV. - GALVANIZED
HP - HIGH POINT
LP - LOW POINT
MAX. - MAXIMUM
MIN. - MINIMUM
NTS - NOT TO SCALE
O.C. - ON CENTER
P.L. - PLATE
P.S.F. - POUND PER SQUARE FOOT
P.S.I. - POUND PER SQUARE INCH
REF. - REFERENCE
REQ'D. - REQUIRED
SECT. - SECTION
SHT. - SHEET
SPECS. - SPECIFICATIONS
S.S. - STAINLESS STEEL
SSP - STEEL SHEET PILING
T&B - TOP AND BOTTOM
T/ - TOP OF
TYP. - TYPICAL
U.O.N. - UNLESS OTHERWISE NOTED
W/ - WITH

### DRAWING SYMBOLS




### SECTION SYMBOLS




### DETAIL SYMBOLS

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**


PORTMIAMI
ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000024


PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: GENERAL NOTES AND INDEX

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| RELEASED FOR | DATE | BY |
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| | | |
| | | |
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72979

PROJ. No. : 100069656

FILE NAME: NOTES AND INDEX

DATE: 05-27-20 | SCALE:AS NOTED

SHEET G-001

DWG. No. 2 of 21

MDC016


Nov 15, 2023 - 3:48pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\Wo#03-Env Permit Drawings\ 02 G-001 General Notes.dwg

SITE LOCATION PLAN
SCALE: 1" = 500'

PROJECT LOCATION

AERIAL VIEW
SCALE: 1" = 300'

0 300' 600'
SCALE: 1" = 300'-0"

0 500' 1000'
SCALE: 1" = 500'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
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LB NO. 0000024

PORTMIAMI BERTH 10
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PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: BERTH 10 SITE LOCATION PLAN

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| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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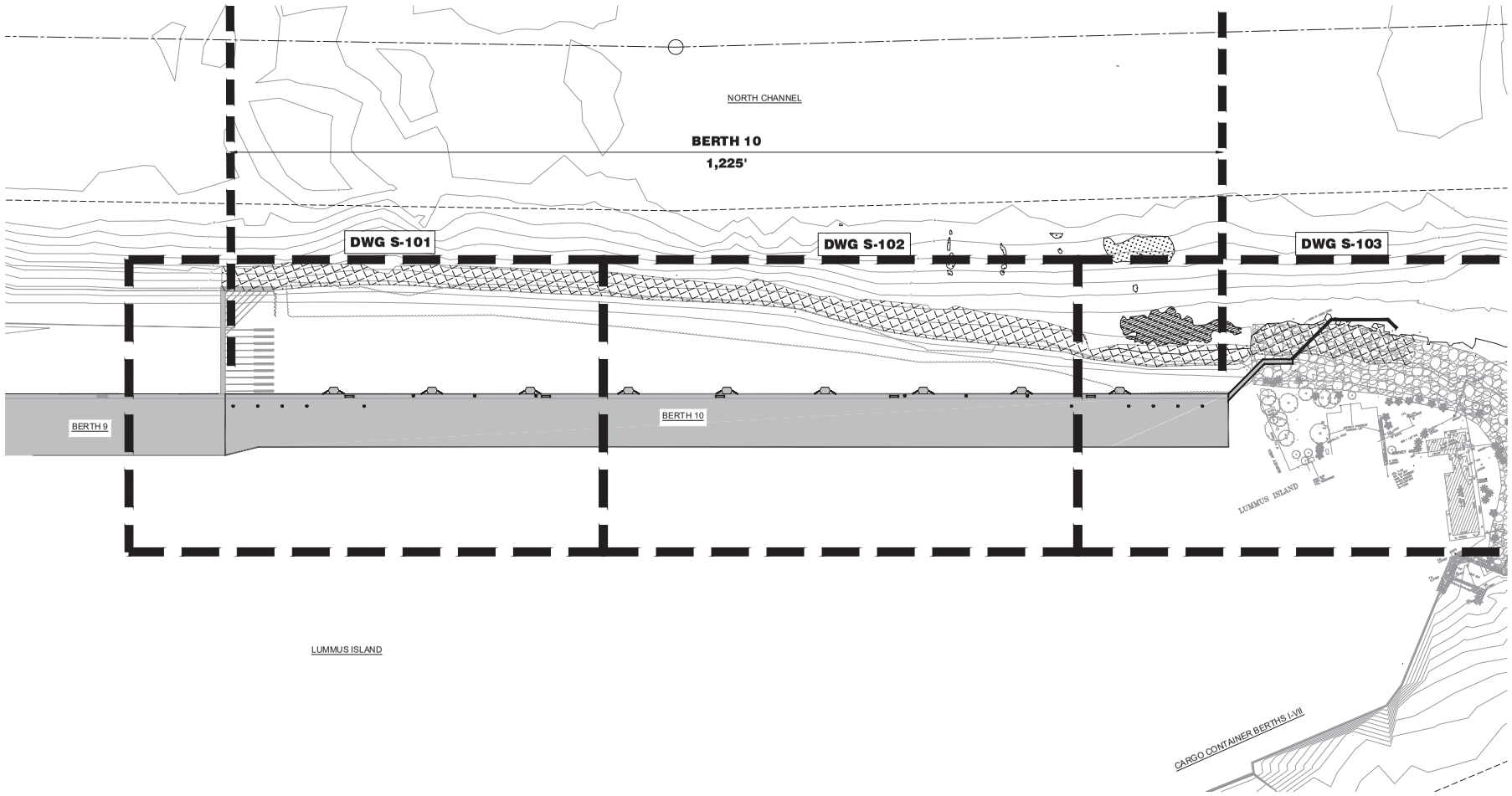
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: BERTH 10 SITE LOCATION PLAN
DATE: 05-27-20 SCALE:AS NOTED
SHEET G-002
DWG. No. 3 of 21

MDC017

Jul 01, 2021 - 1:59pm CAP05788 G:\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WO#03-Env Permit Moorings\04 Env Permit Drawings\ 03 G-002 Location Plan.dwg




OVERALL PROPOSED SITE PLAN
SCALE 1" = 60'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

0 60' 120'
SCALE: 1" = 60'-0"

PORTMIAMI

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ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: OVERALL PROPOSED SITE PLAN

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| PERMIT | 05/27/2020 | |

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|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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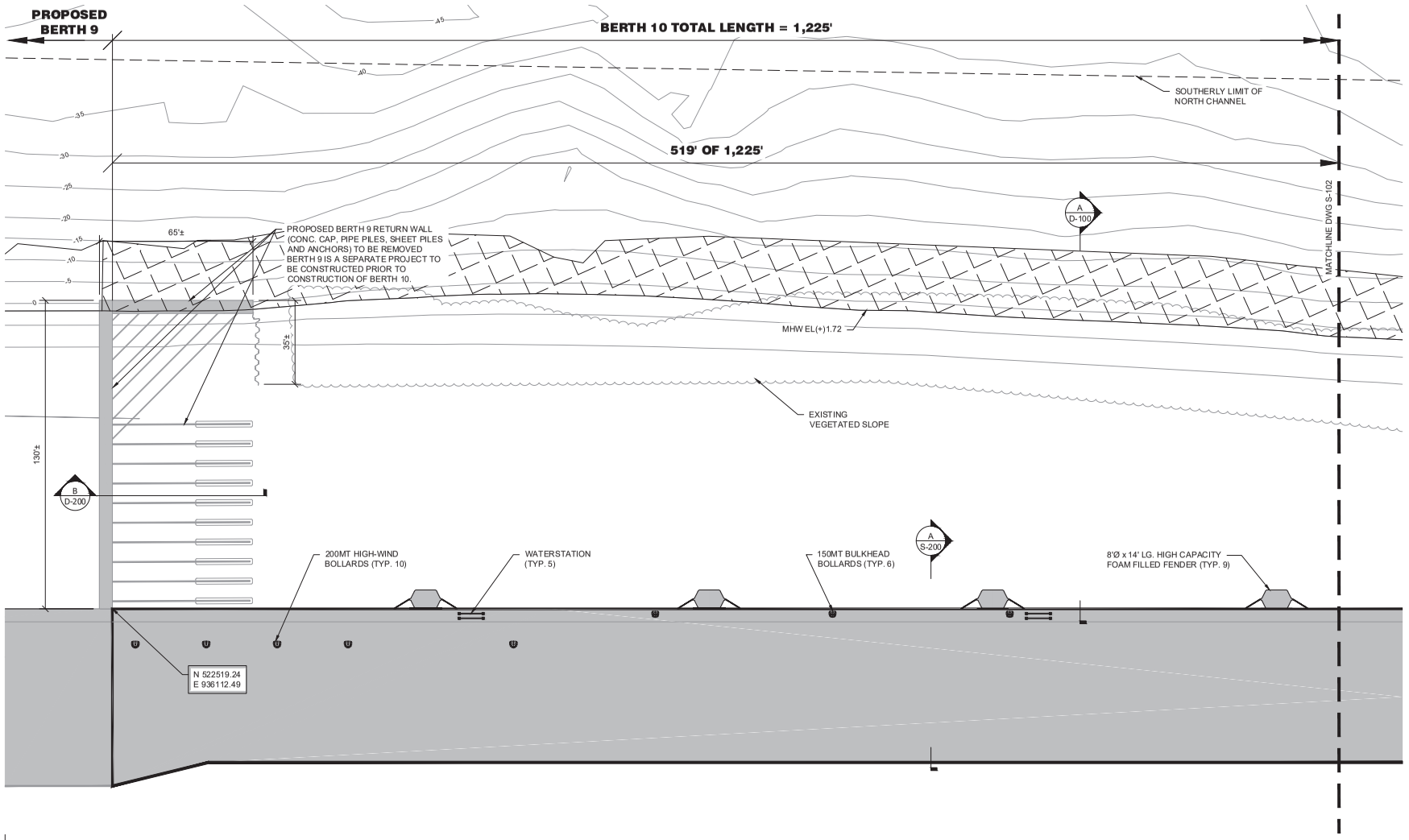
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

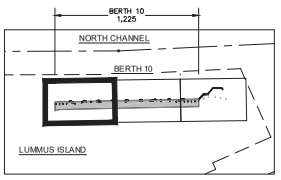
PROJ. No. : 100069656
FILE NAME: OVERALL SITE PLAN
DATE: 05-27-20
SCALE:AS NOTED
SHEET S-100
DWG. No. 4 of 21

MDC018

Nov 15, 2023 - 4:46pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\Wo#03-Env Permit\Cad\PRP_DERM Permit Drawings\ 05 S-100 Overall Site Plan.dwg




ENLARGED BERTH 10 PLAN 1
SCALE 1" = 20'-0"




KEY MAP
N.T.S.

0 20' 40'
SCALE: 1" = 20'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MD2019

Nov 15, 2023 - 4:28pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WG#03-Env Permit\Cad\PRP\ DERM Permit Drawings\ 06 S-101 - S103 Enlarged Berth Plans.dwg

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(305) 592-7275
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PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: ENLARGED BERTH 10 PLAN 1

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| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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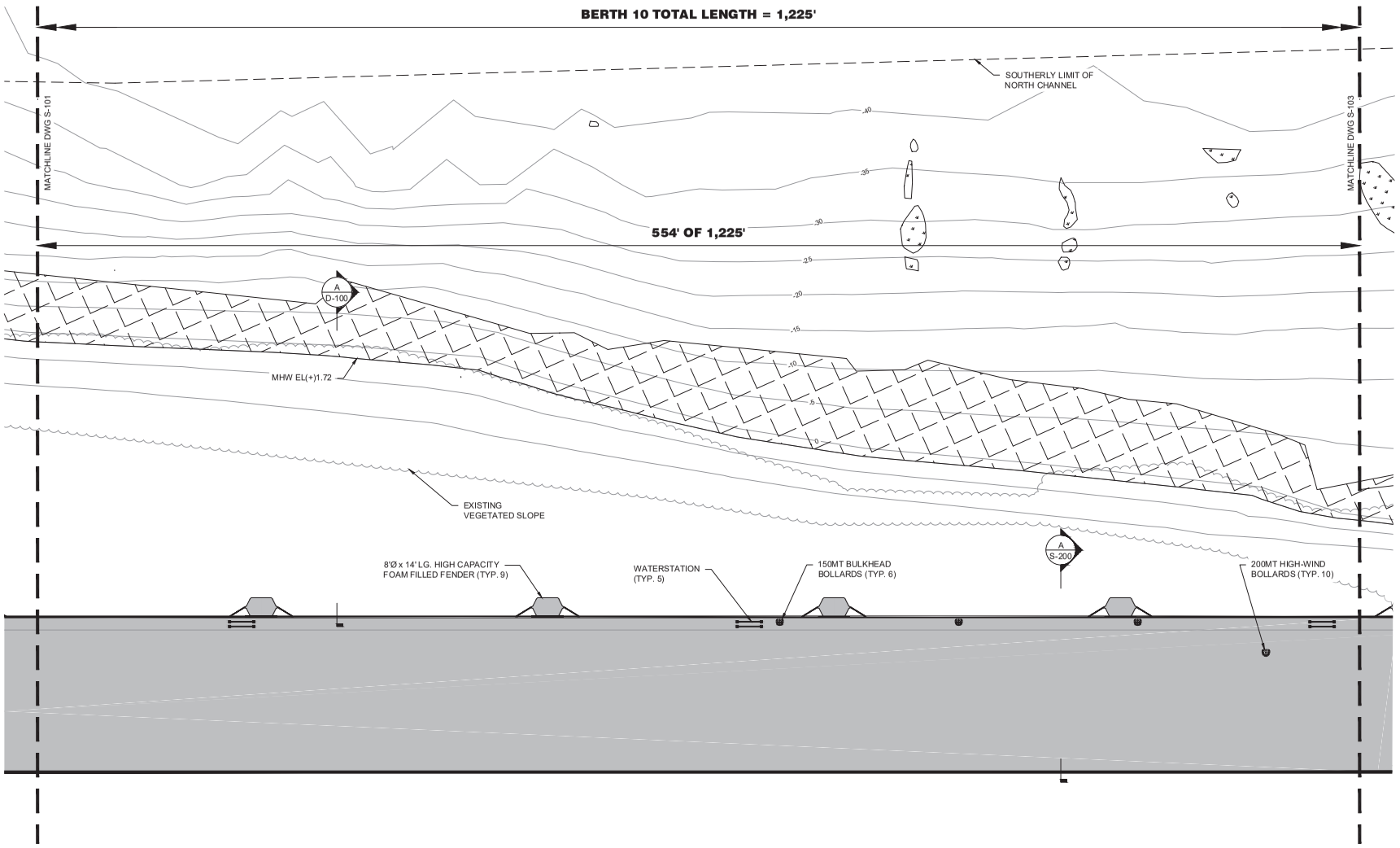
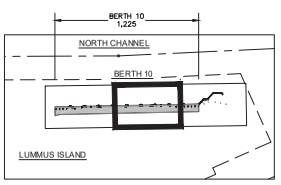
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: ENLARGED BERTH 10 PLAN 1
DATE: 05-27-20 SCALE:AS NOTED
SHEET S-101
DWG. No. 5 of 21




ENLARGED BERTH 10 PLAN 2
SCALE 1" = 20'-0"




KEY MAP
N.T.S.

0 20' 40'
SCALE: 1" = 20'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC020

Nov 15, 2023 – 4:12pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WorkSets-Env Permit\Sheet Files\DERM Permit Drawings\ 06 S-101 – S103 Enlarged Berth Plans.dwg

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(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: ENLARGED BERTH 10 PLAN 2

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| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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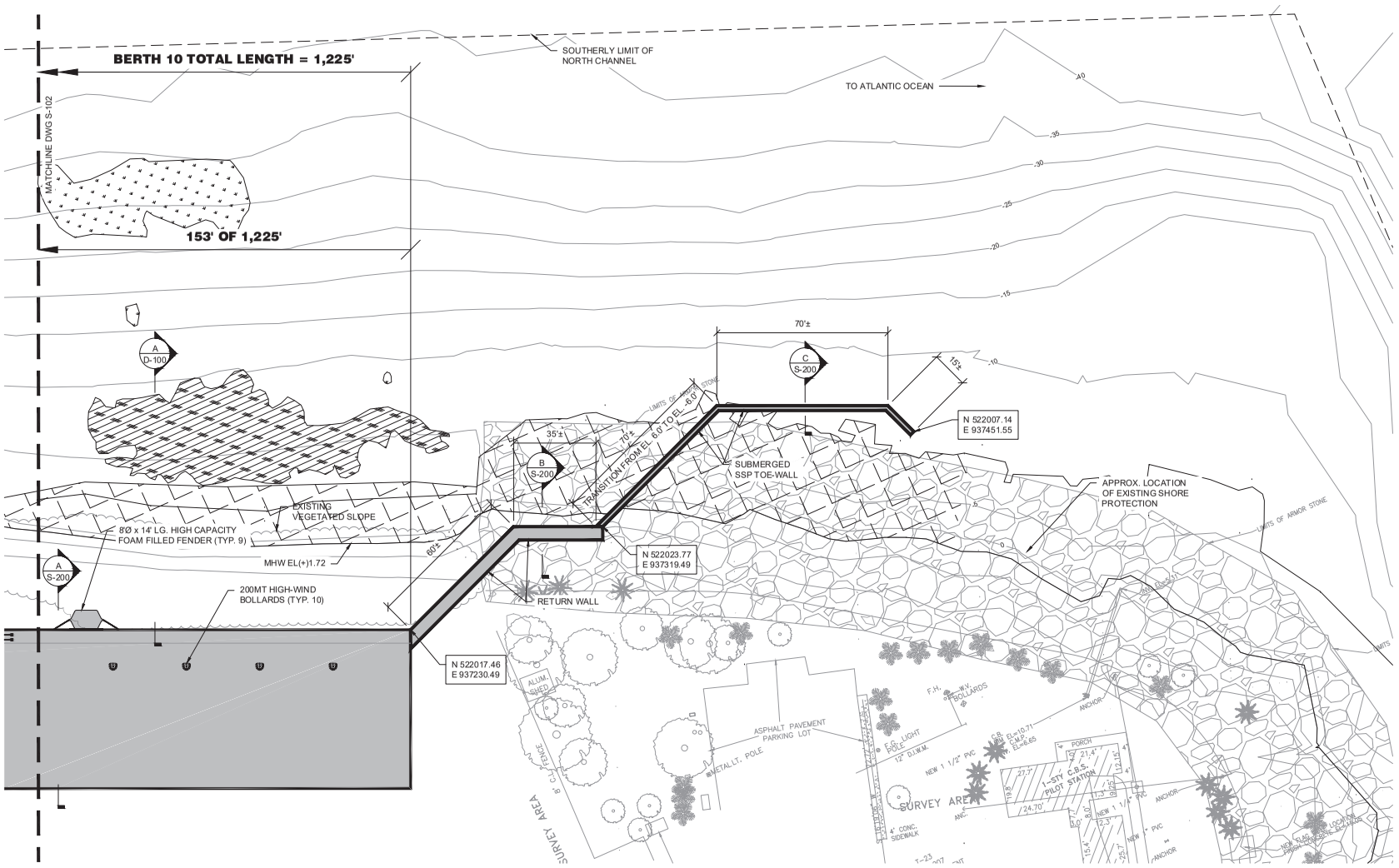
ENGINEER OF RECORD

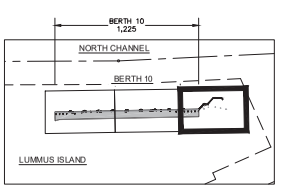
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: ENLARGED BERTH 10 PLAN 2
DATE: 05-27-20 SCALE:AS NOTED
SHEET S-102
DWG. No. 6 of 21




ENLARGED BERTH 10 PLAN 3

SCALE 1" = 20'-0"




KEY MAP

N.T.S.

SCALE: 1" = 20'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

PORTMIAMI

ATKINS

800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
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LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: ENLARGED BERTH 10 PLAN 3

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| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656

FILE NAME: ENLARGED BERTH 10 PLAN 3

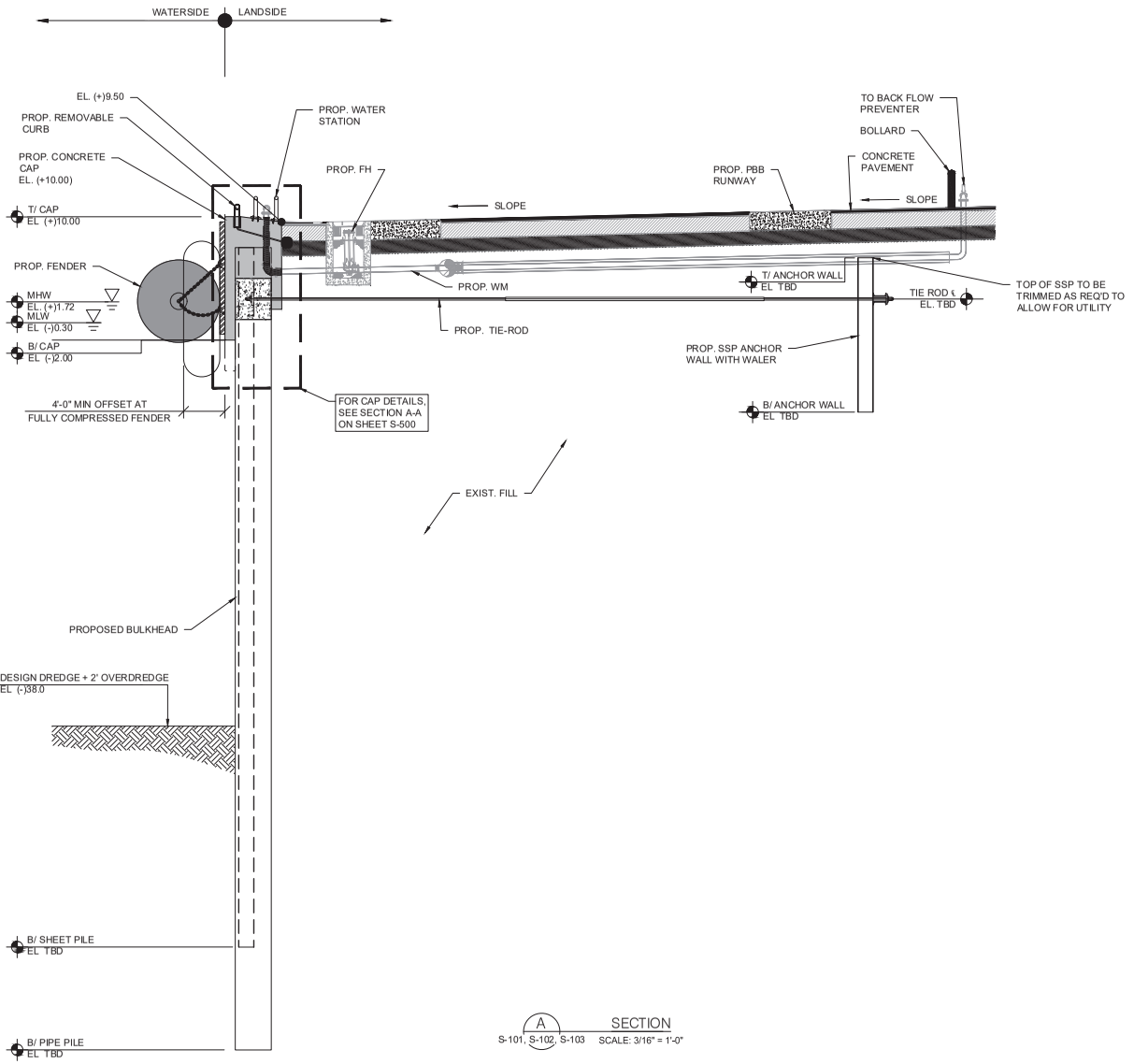
DATE: 05-27-20 SCALE:AS NOTED

SHEET S-103

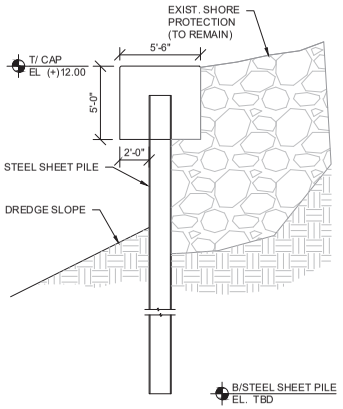
DWG. No. 7 of 21

MDC021

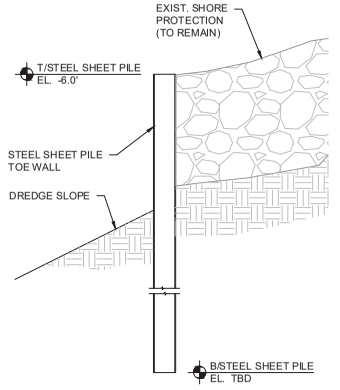
Nov 15, 2023 - 11:28am DEAB6952 K:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WG#03-Env. Permit\Task 01 DERM Permit Drawings\ 06 S-101 - S103 Enlarged Berth Plans.dwg




A SECTION
S-101, S-102, S-103 SCALE: 3/16" = 1'-0"




B SECTION
S-103 N.T.S.




C SECTION
S-103 N.T.S.

0 4' 8' 12'
SCALE: 3/16" = 1'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

PORTMIAMI
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LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: PROPOSED SECTIONS

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| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656

FILE NAME: PROPOSED SECTIONS

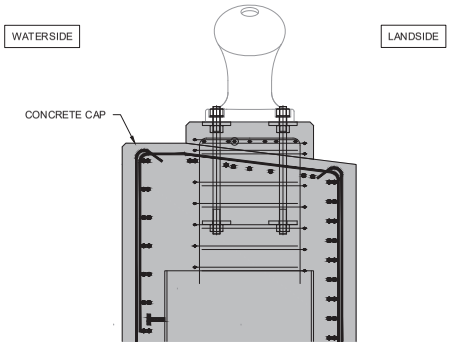
DATE : 05-27-20 SCALE:AS NOTED

SHEET S-200

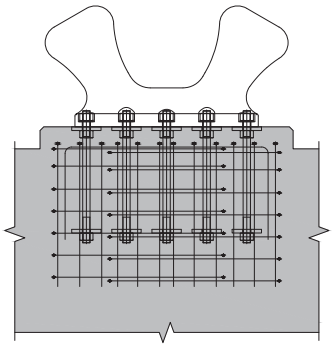
DWG. No. 8 of 21

MDC022

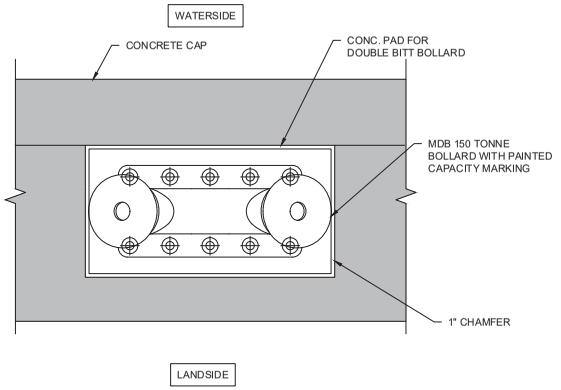
Nov 15, 2023 - 11:32am DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WG#03-Env Permit\Dgn\S-200 Sections.dwg 01 DERM Permit Drawings\ 07 S-200 Sections.dwg



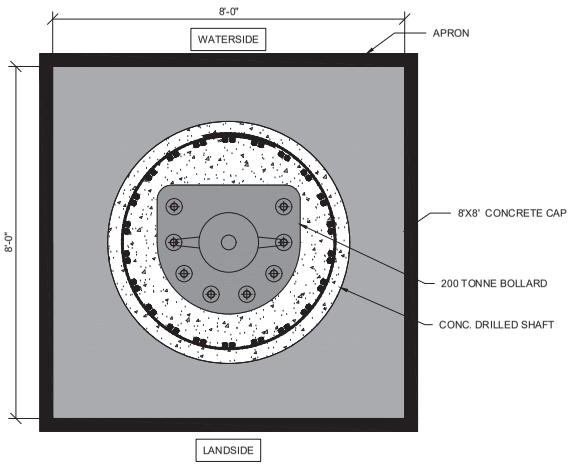

MDB 150 TONNE BOLLARD
PEDESTAL SECTION
SCALE: 3/4" = 1'-0"



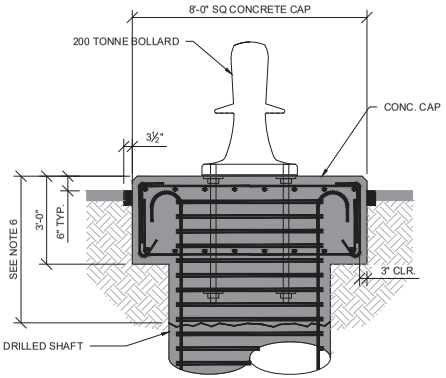
MDB 150 TONNE BOLLARD
PEDESTAL ELEVATION
SCALE: 3/4" = 1'-0"

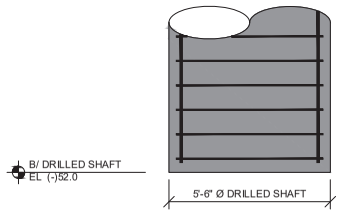



MDB 150 TONNE BOLLARD
PEDESTAL PLAN
SCALE: 3/4" = 1'-0"

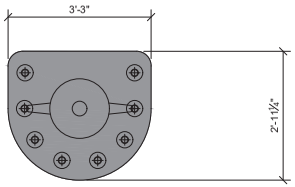



200 TONNE BOLLARD
PEDESTAL PLAN
SCALE: 3/4" = 1'-0"

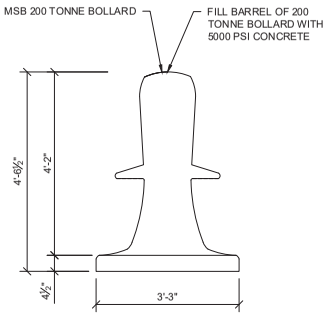



200 TONNE BOLLARD
PEDESTAL SECTION
SCALE: 1/2" = 1'-0"




200 TONNE BOLLARD
PLAN
SCALE: 3/4" = 1'-0"




200 TONNE BOLLARD
SECTION
SCALE: 3/4" = 1'-0"

NOTES:

1. MDB - DOUBLE BITT MOORING BOLLARD
2. MSB - SINGLE BITT MOORING BOLLARD
3. MBD LOADING = 330.7KIPS (150 METRIC TONNES) AT LINE ANGLES RANGING FROM 0 TO 60 DEGREES VERTICAL AND 0 TO 180 DEGREES HORIZONTAL
4. MSB LOADING = 440.9KIPS (200 METRIC TONNES) AT LINE ANGLES RANGING FROM 0 TO 60 DEGREES VERTICAL AND 0 TO 180 DEGREES HORIZONTAL
5. GROUT BED UNDER EACH BOLLARD TO ENSURE BOLLARD IS PROPERLY INSTALLED FLUSH, SEE MANUFACTURER INSTALLATION PROCEDURE FOR MINIMUM THICKNESS.
6. CONSTRUCTION JOINT APPROX. 5 FEET FROM TOP OF CONCRETE CAP. ROUGHEN SURFACE 1/4" MINIMUM AMPLITUDE, TYPICAL. APPLY BONDING AGENT TO SURFACE PRIOR TO POUR.

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

0 1' 2' 4'
SCALE: 1/2" = 1'-0"

0 1' 2' 3'
SCALE: 3/4" = 1'-0"

PORTMIAMI

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000524

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: BOLLARD DETAILS

WARNING!

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DRAWING HISTORY

| RELEASED FOR | DATE | BY |
|---|---|---|
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| | | |
| | | |
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

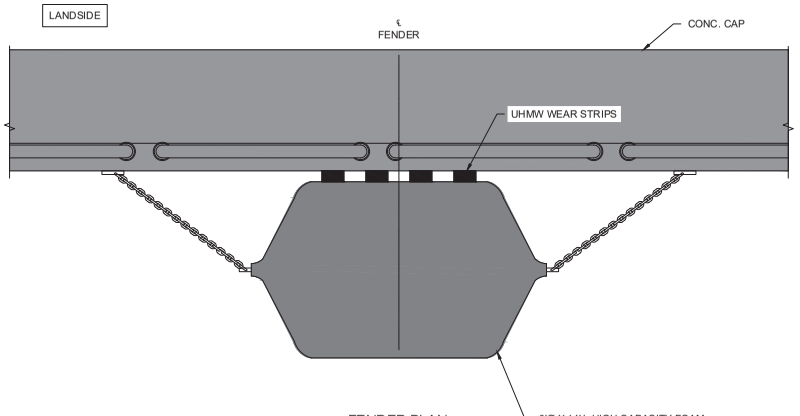
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

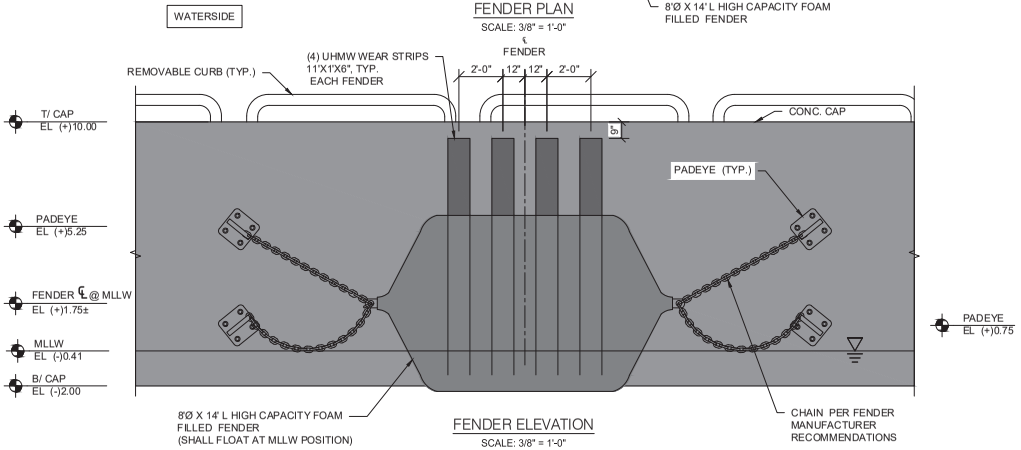
PROJ. No. : 100069656
FILE NAME: BOLLARD DETAILS
DATE : 05-27-20
SCALE:AS NOTED
SHEET S-300
DWG. No. 9 of 21

MDC023

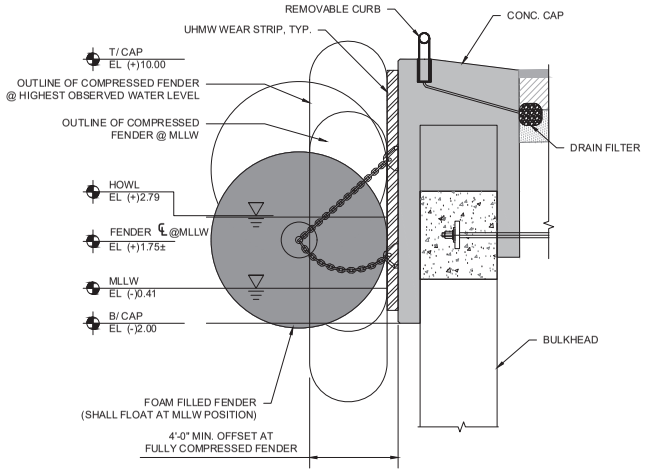
Jul 01, 2021 - 3:21pm CAPO5788 G:\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WOJ03-Env Permit Mooring\Env Permit Drawings\ 08 S-300 - S-600 Misc. Struct. Details.dwg



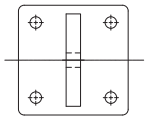

FENDER PLAN
SCALE: 3/8" = 1'-0"



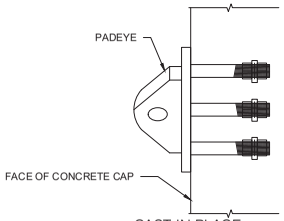

FENDER ELEVATION
SCALE: 3/8" = 1'-0"



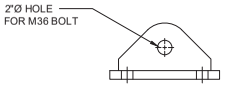

FENDER SECTION
SCALE: 3/8" = 1'-0"



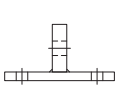
CAST-IN PADEYE DETAIL
SCALE: 1 1/2" = 1'-0"




CAST-IN PLACE ANCHORAGE DETAIL
SCALE: 1 1/2" = 1'-0"




CAST-IN PADEYE SECTION
SCALE: 1 1/2" = 1'-0"



CAST-IN PADEYE SECTION
SCALE: 1 1/2" = 1'-0"

FENDER NOTES:

1. FENDERS ARE HIGH CAPACITY FOAM FILLED FENDERS,
2. FENDER CHAINS AND PADEYES PER FENDER MANUFACTURER RECOMMENDATIONS.
3. CHAIN LENGTH TO BE DETERMINED TO ENSURE FOAM FILLED FENDERS FLOAT AT MLLW POSITION.
4. ASTM 316 STAINLESS STEEL U-ANCHOR MAY BE USED INSTEAD OF FABRICATED PADEYE.

UHMW-PE WEARSTRIP NOTES:

1. INSTALLATION INSTRUCTIONS ARE GENERIC. FOLLOW SPECIFIC INSTALLATION INSTRUCTIONS PER FINAL UHMW-PE WEAR STRIP MANUFACTURER.
2. EXPANSION ANCHOR BOLTS AND WASHERS ARE TO BE ASTM 316 STAINLESS STEEL OR EQUIVALENT, WITH STAINLESS STEEL INSERT SLEEVE.
3. USE LOCTITE 2047 OR EQUIVALENT FOR STAINLESS STEEL BOLTS, REQUIRED AT ALL FASTENERS, TYPICAL.

**ENVIRONMENTAL PERMIT DRAWINGS NOT FOR CONSTRUCTION**

0 2' 4' 6'
SCALE: 3/8" = 1'-0"

0 1/2' 1' 1-1/2'
SCALE: 1-1/2" = 1'-0"

PORTMIAMI

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800 WATERFORD WAY, SUITE 700
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LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: FENDER DETAILS

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| | | |
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

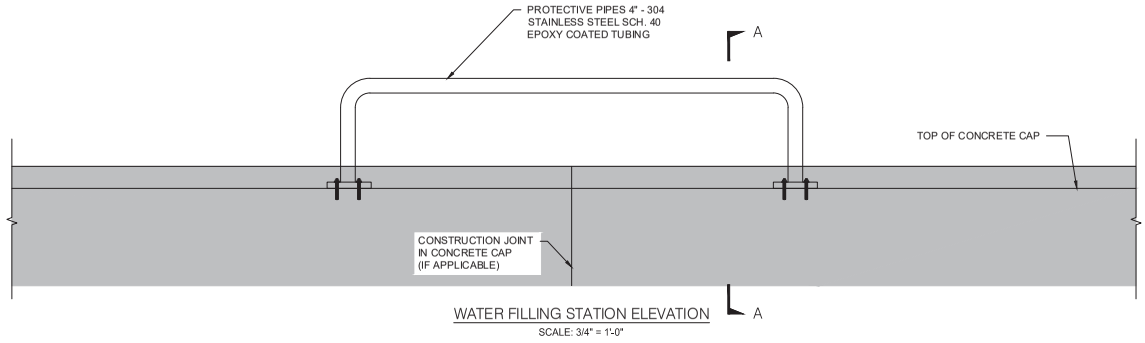
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: FENDER DETAILS
DATE: 05-27-20
SCALE:AS NOTED
SHEET S-400
DWG. No. 10 of 21

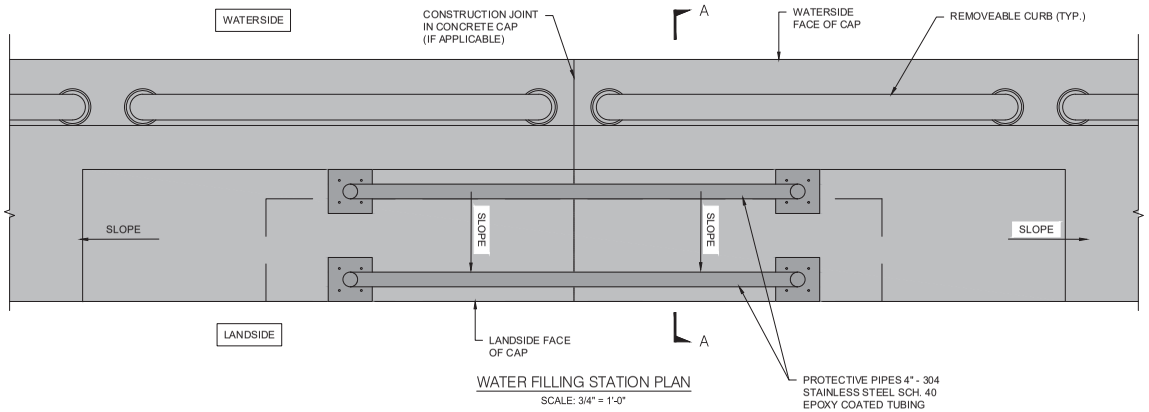
MDC024

Jul 01, 2021 - 3:21pm CAP05788 G:\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WG#03-Env Permit Moorings\Env Permit Drawings\ 08 S-300 - S-600 Misc. Struct. Details.dwg



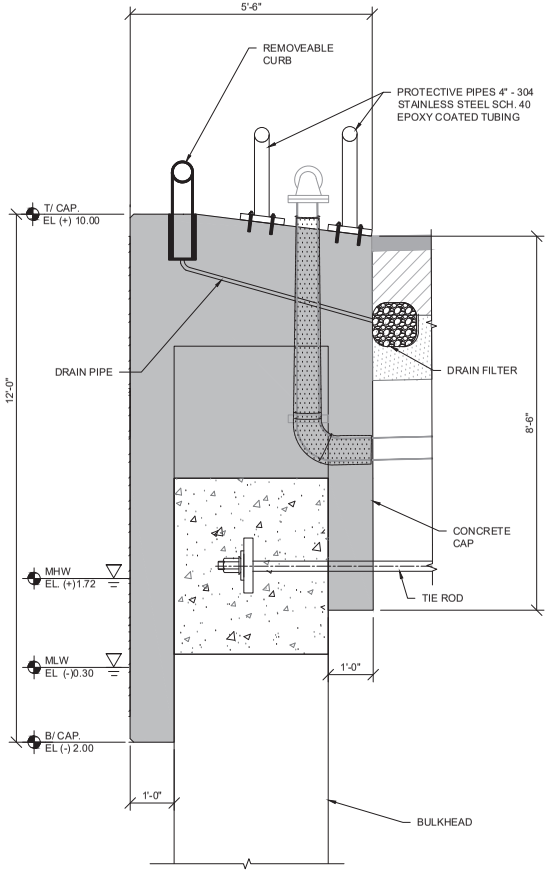

WATER FILLING STATION ELEVATION

SCALE: 3/4" = 1'-0"




WATER FILLING STATION PLAN

SCALE: 3/4" = 1'-0"




SECTION A-A

SCALE: 3/4" = 1'-0"

0 1' 2' 3'

SCALE: 3/4" = 1'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MD025

Nov 15, 2023 – 11:36am DEAB6952 K:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WG\03-Env Permitting\Dgn\E18_SEA_01 DERM Permit Drawings_08 S-300 – S-600 Misc. Struct. Details.dwg

PORTMIAMI

ATKINS

800 WATERFORD WAY, SUITE 700
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(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: WATER STATION DETAILS

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| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

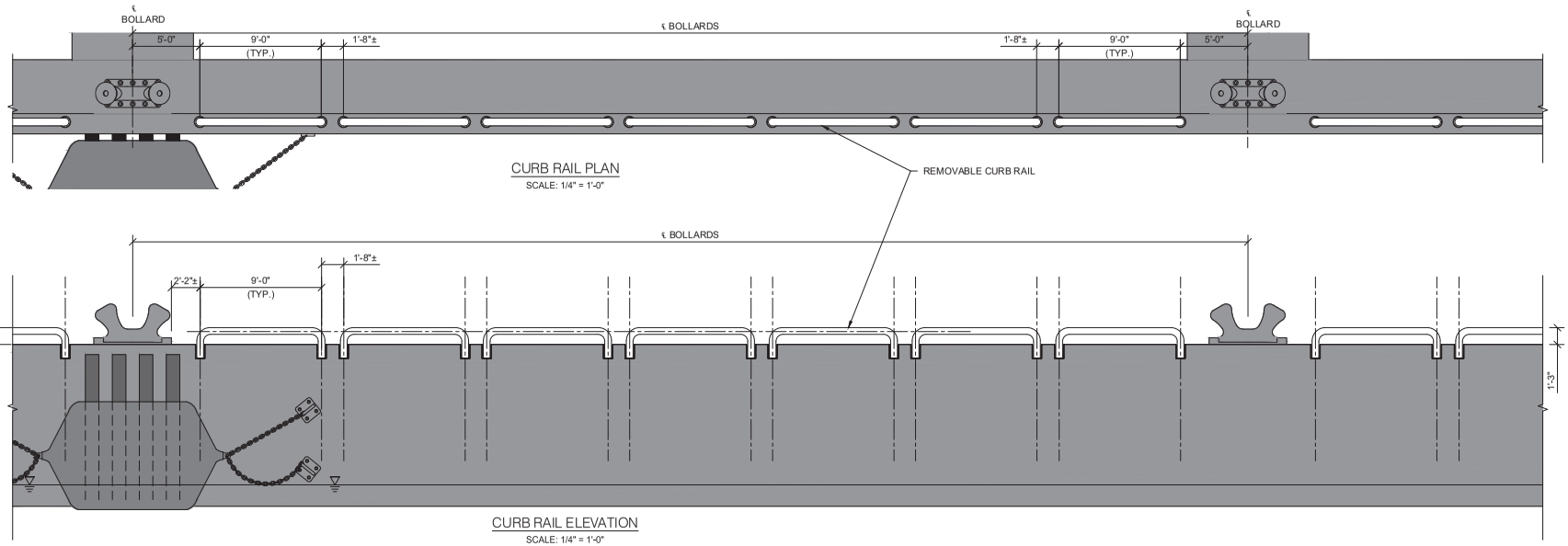
PROJ. No. : 100069656

FILE NAME: WATER STATION DETAILS

DATE : 05-27-20 | SCALE:AS NOTED

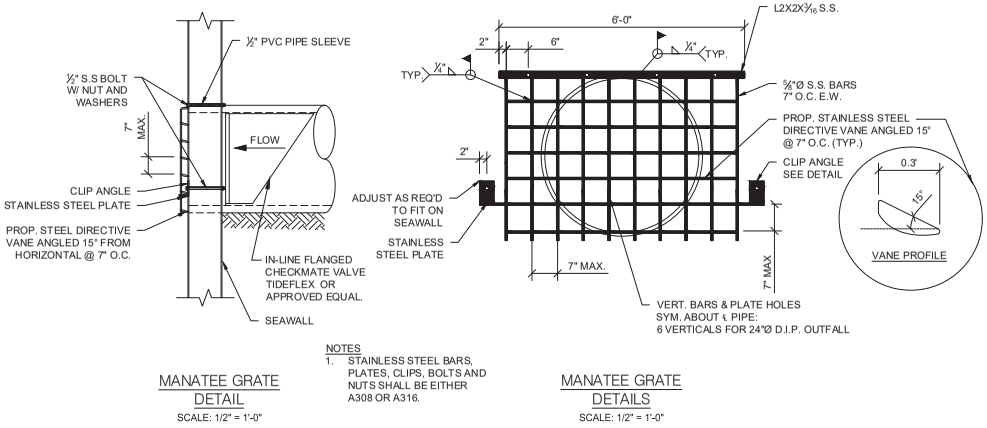
SHEET S-500

DWG. No. 11 of 21




CURB RAIL PLAN
SCALE: 1/4" = 1'-0"

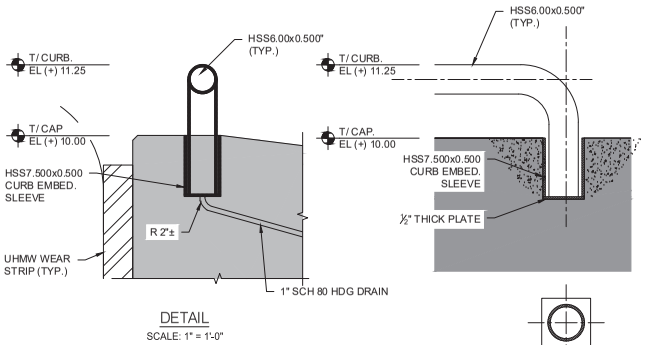
CURB RAIL ELEVATION
SCALE: 1/4" = 1'-0"




NOTES
1. STAINLESS STEEL BARS, PLATES, CLIPS, BOLTS AND NUTS SHALL BE EITHER A308 OR A316.

MANATEE GRATE DETAIL
SCALE: 1/2" = 1'-0"

MANATEE GRATE DETAILS
SCALE: 1/2" = 1'-0"




DETAIL
SCALE: 1" = 1'-0"

PIPE CURB BEND AND EMBED SLEEVE
SCALE: 1" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

0 1' 2' 4'
SCALE: 1/2" = 1'-0"

0 1/2' 1' 2'
SCALE: 1" = 1'-0"

**ENVIRONMENTAL PERMIT DRAWINGS NOT FOR CONSTRUCTION**

PORTMIAMI

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
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LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: CURB AND MANATEE GRATE DETAILS

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| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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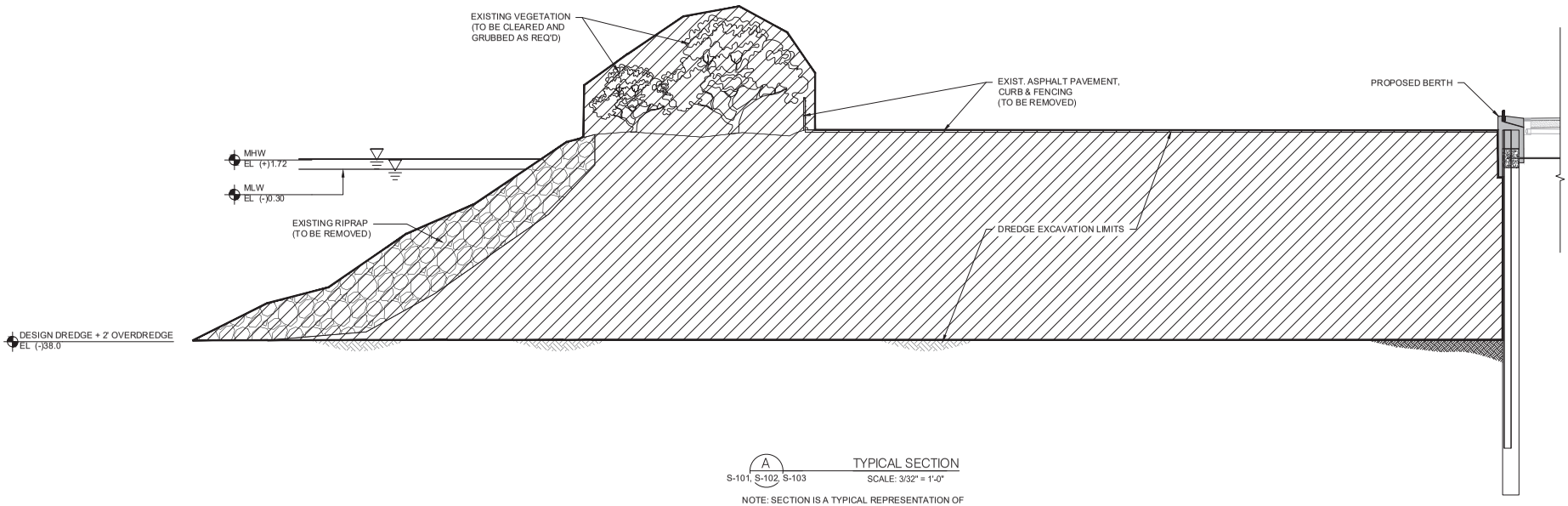
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: CURB AND MANATEE GRATE DETAILS
DATE: 05-27-20 SCALE:AS NOTED
SHEET S-600
DWG. No. 12 of 21

MDC026

Jul 01, 2021 - 3:22pm CAP05788 G:\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WO#03-Env Permit Modification\Env Permit Drawings\ 08 S-300 - S-600 Misc. Struct. Details.dwg




A TYPICAL SECTION
S-101, S-102, S-103 SCALE: 3/32" = 1'-0"

NOTE: SECTION IS A TYPICAL REPRESENTATION OF EXPECTED FIELD CONDITIONS AND MAY VARY SLIGHTLY. FEATURES MAY NOT BE DRAWN TO SCALE.

LEGEND

- AREA OF EXCAVATION

0 8' 16' 24'
SCALE: 3/32" = 1'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC027

Aug 09, 2021 – 4:27pm CAP05788 G:\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#03-Env. Permit Mooring Berth 10\05 Drawings\04 D-100 Demo Section.dwg

PORTMIAMI

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: DEMOLITION SECTION

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| PERMIT | 05/27/2020 | |

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| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
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ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

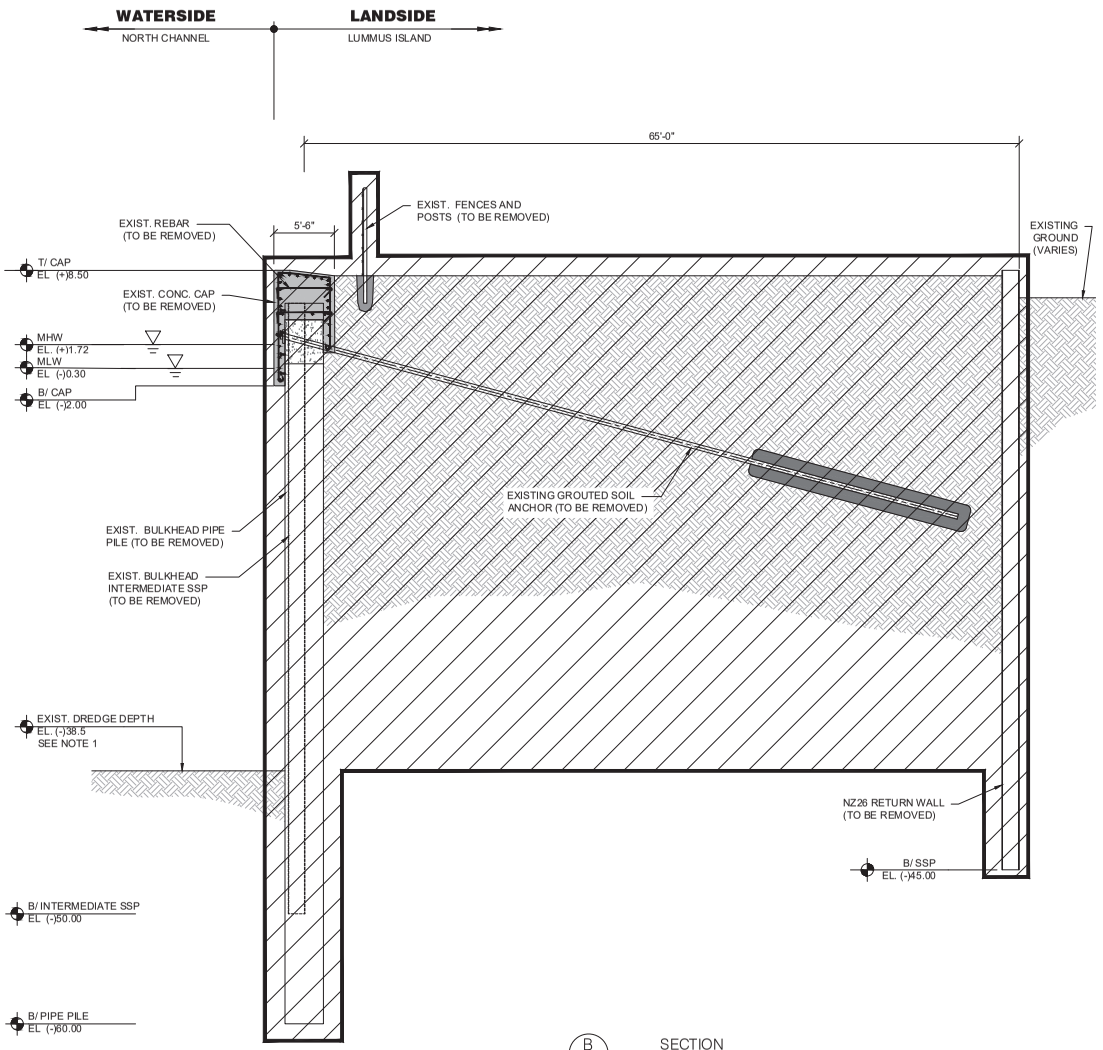
PROJ. No. : 100069656

FILE NAME: DEMOLITION SECTION

DATE : 05-27-20 SCALE:AS NOTED

SHEET D-100

DWG. No. 13 of 21




B
S-101, C-101
SECTION
SCALE: 3/16" = 1'-0"

LEGEND

- AREA OF EXCAVATION

NOTES:
1. THIS IS THE PROPOSED DREDGE DEPTH AT THE RETURN WALL AT THE PROPOSED BERTH 9 PROJECT THAT WILL BE THE EXISTING CONDITION WHEN THIS PROJECT IS COMPLETE.

0 4' 8' 12'
SCALE: 3/16" = 1'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC028

Aug 09, 2021 – 3:29pm CAP05788 G:\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#03-Env. Permit Mooring Berth 10\05 Drawings\01 MIA_04 D-100 Demo Section.dwg

PORTMIAMI

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME
DEMOLITION SECTION

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| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

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| 1 | Comment Revisions | 07/01/2021 |
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ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

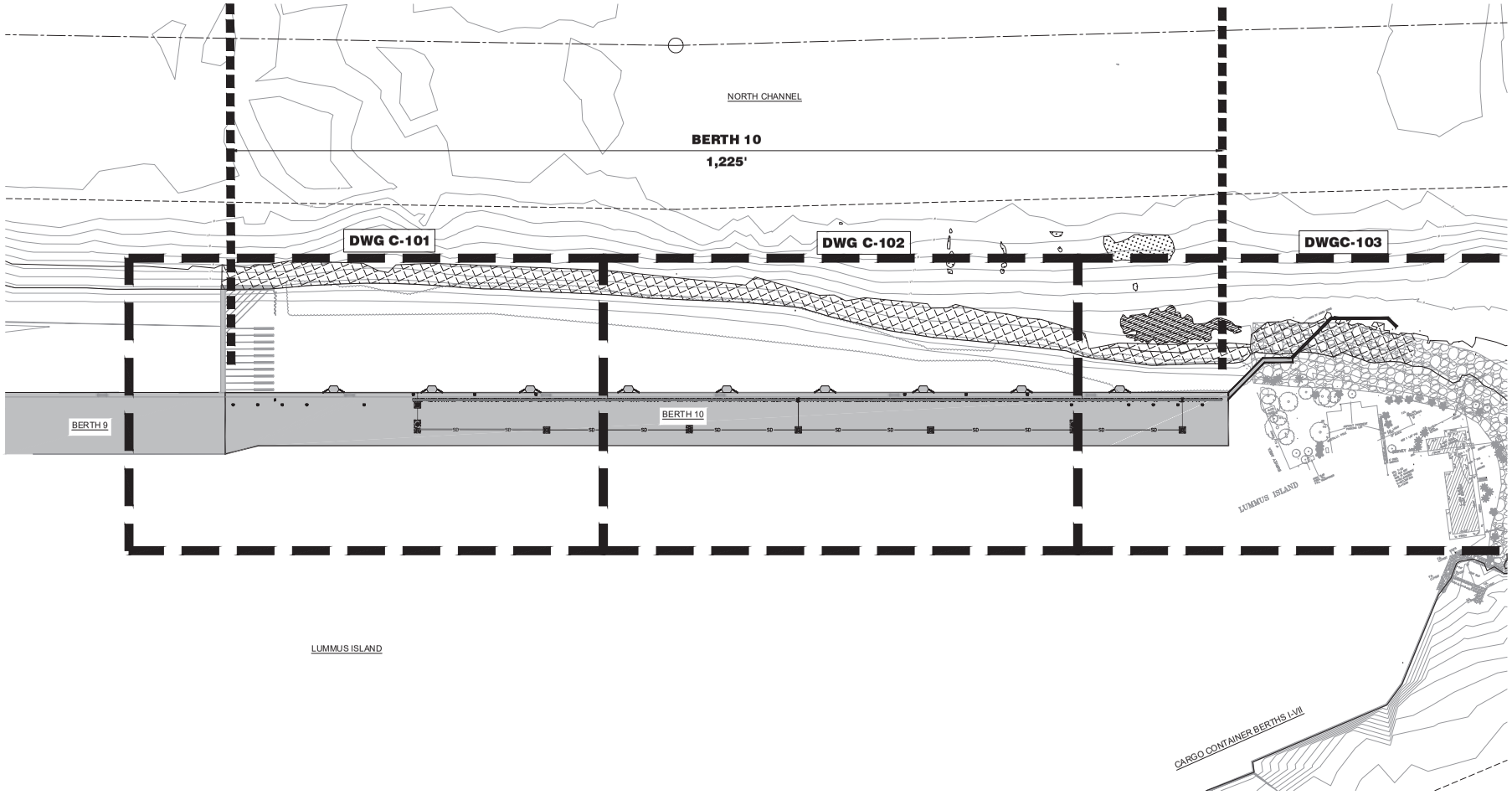
PROJ. No. : 100069656

FILE NAME: DEMOLITION SECTION

DATE : 05-27-20 | SCALE:AS NOTED

SHEET D-200

DWG. No. 14 of 21




OVERALL DRAINAGE PLAN
SCALE 1" = 60'-0"

0 60' 120'
SCALE: 1" = 60'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC029

Nov 15, 2023 – 4:50pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#03-Env Permit\DERM Permit Drawings\ 09 C-100 Overall Drainage Plan.dwg

PORTMIAMI

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: OVERALL DRAINAGE PLAN

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| PERMIT | 05/27/2020 | |

REVISIONS

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ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

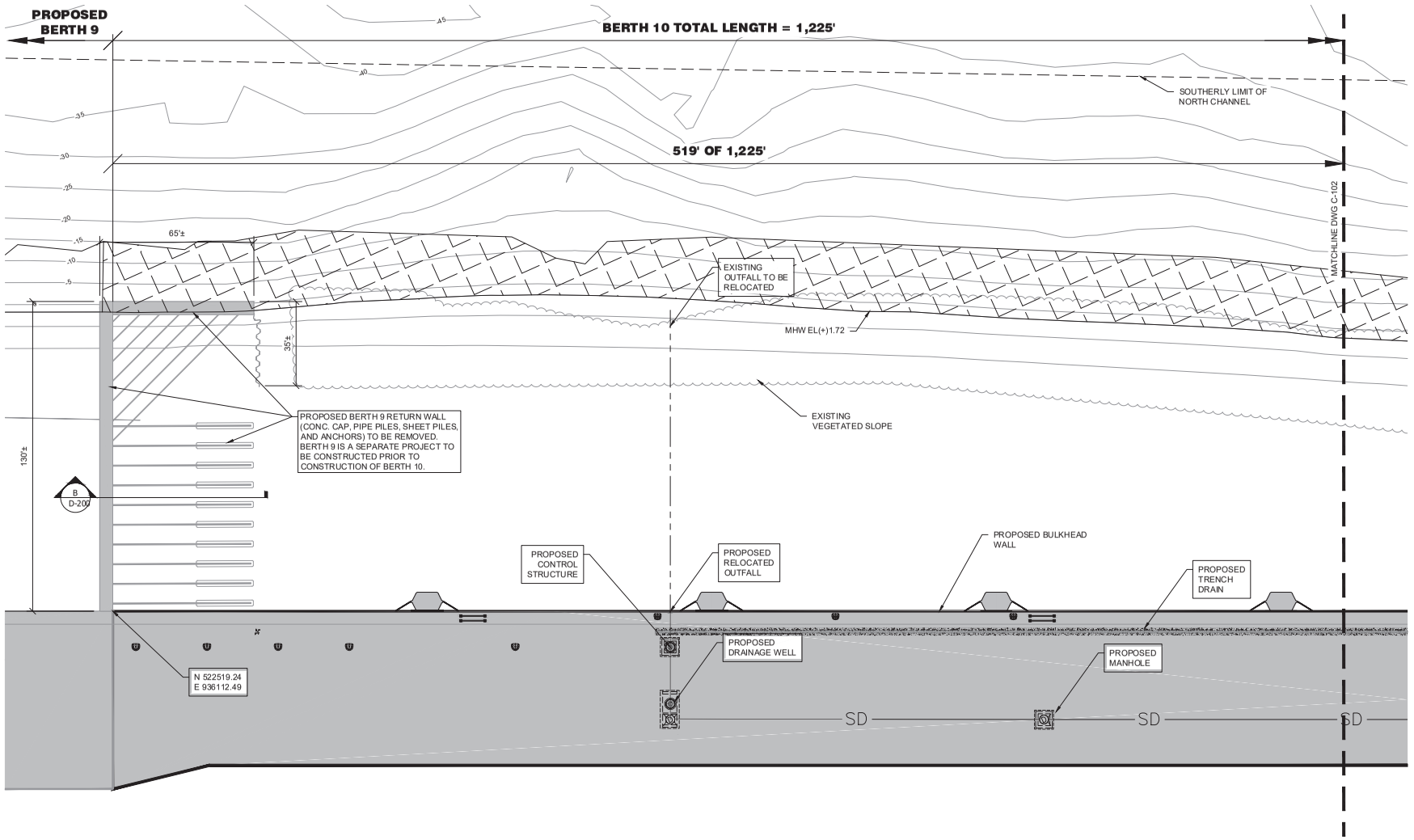
PROJ. No. : 100069656

FILE NAME: OVERALL DRAINAGE PLAN

DATE: 05-27-20 SCALE:AS NOTED

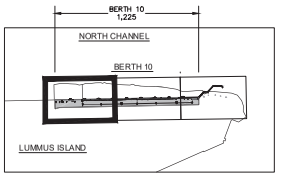
SHEET C-100

DWG. No. 15 of 21




ENLARGED DRAINAGE PLAN 1

SCALE 1" = 20'-0"




KEY MAP

N.T.S.

0 20' 40'

SCALE: 1" = 20'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC030

Nov 15, 2023 – 4:20pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#03-Env Permit Dwg Set\10 DERM Permit Drawings\ 09 C-101 – C-103 Drainage Plans.dwg

PORTMIAMI

ATKINS

800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: ENLARGED DRAINAGE PLAN 1

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| PERMIT | 05/27/2020 | |

REVISIONS

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| | | |
| | | |

ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

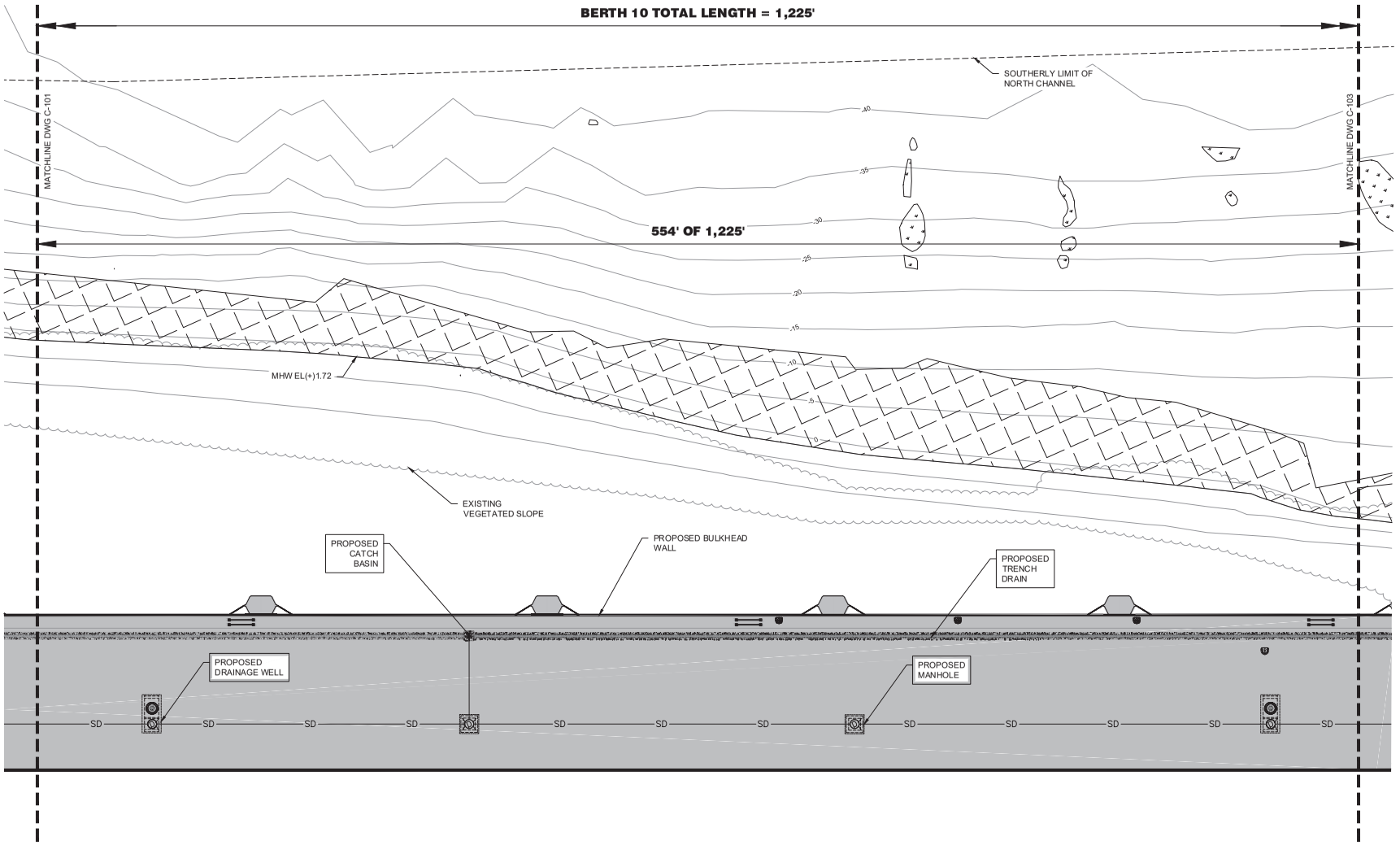
PROJ. No. : 100069656

FILE NAME: ENLARGED DRAINAGE PLAN 1

DATE: 05-27-20 SCALE:AS NOTED

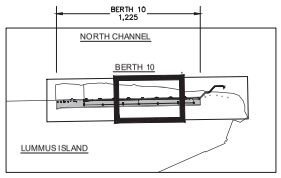
SHEET C-101

DWG. No. 16 of 21




ENLARGED DRAINAGE PLAN 2

SCALE 1" = 20'-0"




KEY MAP

N.T.S.

0 20' 40'

SCALE: 1" = 20'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

PORTMIAMI

ATKINS

800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: ENLARGED DRAINAGE PLAN 2

WARNING!

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DRAWING HISTORY

| RELEASED FOR | DATE | BY |
|---|---|---|
| | | |
| | | |
| | | |
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656

FILE NAME: ENLARGED DRAINAGE PLAN 2

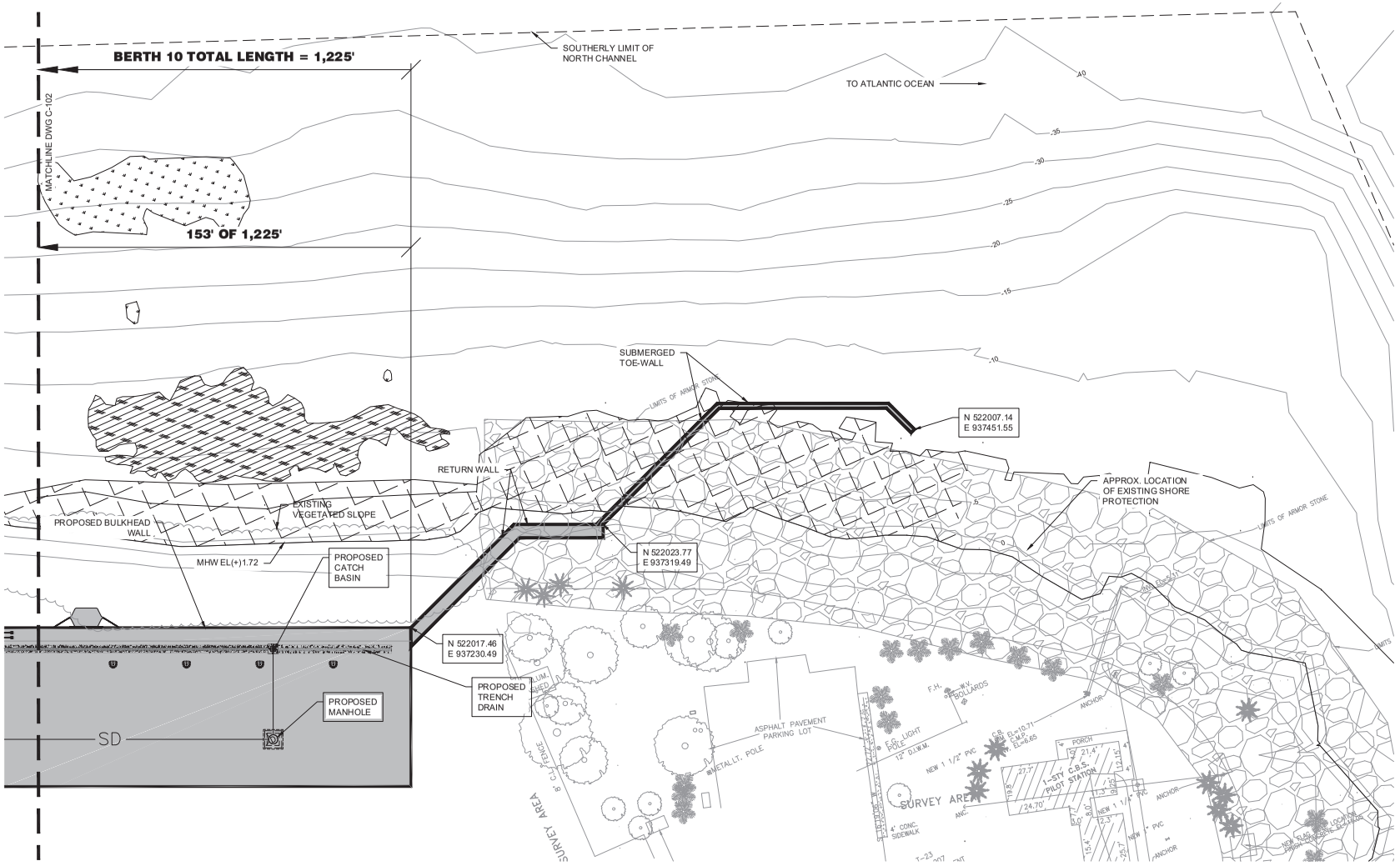
DATE: 05-27-20 SCALE: AS NOTED

SHEET C-102

DWG. No. 17 of 21

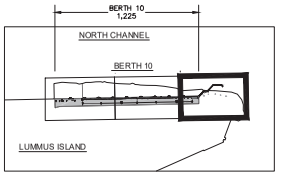
MDC031

Jul 01, 2021 - 3:26pm CAP05788 G:\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WO\03-Env Permit Mooring Buoy\Env Permit Drawings_09 C-101 - C-103 Drainage Plans.dwg




ENLARGED DRAINAGE PLAN 3

SCALE 1" = 20'-0"




KEY MAP

N.T.S.

SCALE: 1" = 20'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

MDC032

Nov 15, 2023 – 11:39am DEAB6952 K:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO\03-Env. Permit Drawings\01 DERM Permit Drawings\ 09 C-101 – C-103 Drainage Plans.dwg

PORTMIAMI

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LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: ENLARGED DRAINAGE PLAN 3

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DRAWING HISTORY

| RELEASED FOR | DATE | BY |
|---|---|---|
| | | |
| | | |
| | | |
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

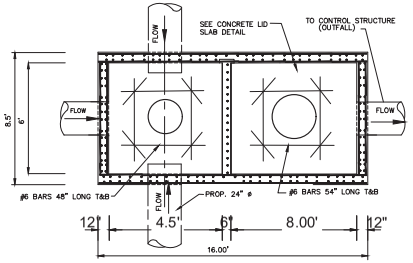
PROJ. No. : 100069656

FILE NAME: ENLARGED DRAINAGE PLAN 3

DATE: 05-27-20 | SCALE:AS NOTED

SHEET C-103

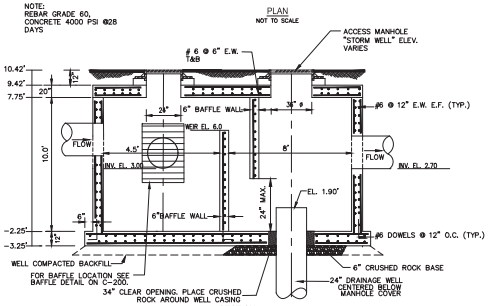
DWG. No. 18 of 21



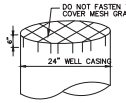

## DRAINAGE WELL NOTES:

1. THE FINISHED GRADE AND SLOPE OF THE INLET TOPS ARE TO CONFORM WITH THE FINISHED CROSS SLOPE AND GRADE OF THE PROPOSED SIDEWALK AND/OR PARKWAY.
2. WHEN INLETS AREA TO BE CONSTRUCTED ON A CURVE, REFER TO THE PLANS TO DETERMINE THE RADIUS AND, WHERE NECESSARY, MODIFY THE INLET DETAILS ACCORDINGLY. BEND STEEL WHEN NECESSARY.
3. ALL REINFORCING STEEL SHALL HAVE 1½" MINIMUM COVER UNLESS OTHERWISE SHOWN. INLET TOPS SHALL BE EITHER CAST-IN-PLACE OR PRECAST CONCRETE.
4. PRECASTING OF THIS INLET TOP WILL BE PERMITTED. PRECAST UNITS SHALL CONFORM TO THE DIMENSIONS SHOWN OR IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. REQUEST FOR SHOP DRAWINGS APPROVAL SHALL BE DIRECTED TO THE STATE DRAINAGE ENGINEER.
5. CONCRETE MEETING THE REQUIREMENTS OF A.S.T.M. C478 (4,000 PSI) MAY BE USED IN LIEU OF CLASS I CONCRETE FOR PRECAST UNITS, MANUFACTURED IN PLANS WHICH ARE UNDER THE STANDARD OPERATING PROCEDURES FOR THE INSPECTION OF PRECAST DRAINAGE PRODUCTS.
6. THE CORNER FILLETS SHOWN FOR RECTANGULAR THROATS AREA NECESSARY ONLY WHEN THROATS ARE TO BE USED IN CONJUNCTION WITH CIRCULAR INLET BOTTOMS OR WHEN USED ON SKEW WITH RECTANGULAR INLET BOXES.
7. ALL STEEL USED FOR FRAME AND COVER SHALL MEET THE REQUIREMENTS OF ASTM A36/A36M
8. EITHER CAST IRON COVER OR STEEL COVERS MAY USED. IRON COVERS SHALL BE CLASS No. 30 CASTING IN ACCORDANCE WITH ASTM A48.

DRAINAGE WELL NOTES
SCALE:NTS




DRAINAGE WELL
SCALE:NTS

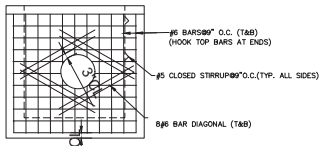



WELL COVER DETAIL
SCALE:NTS

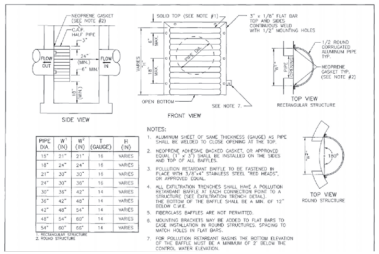
## DRAINAGE WELL SPECIFICATION:

1. WELL SHALL BE CONSTRUCTED BY A STATE OF FLORIDA LICENSED WATER WELL CONTRACTOR. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR THE CONSTRUCTION OF THE DRAINAGE WELL. UPON COMPLETION OF THE WELL THE CONTRACTOR SHALL SUBMIT ALL NECESSARY DOCUMENT TO THE APPROPRIATE REGULATORY AGENCY AND OBTAIN AN AUTHORIZATION OF USE.
2. WELL CASING SHALL BE PLAIN END, STANDARD WEIGHT 3/8" MINIMUM WALL THICKNESS, NEW BLACK STEEL PIPE CONFORMING TO ASTM A53. JOIN LENGTHS OF CASING BY WELDING OR THREADED COUPLINGS WHICH SHALL MEET THE STRENGTH REQUIREMENTS OF THE CASING. FIELD WELDS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C 206. ALL JOINTS SHALL BE MADE WATERTIGHT.
3. INSTALL DRAINAGE WELL CASING AS SHOWN ON THE DRAWING. WELL CASING SHALL EITHER BE DRIVEN OR PLACED IN A DRILLED HOLE WHICH WILL ALLOW A MINIMUM OF 2 INCHES OF CEMENT GROUT AROUND THE OUTSIDE OF CASING. EXTEND THE CASING TO THE DEPTH AT WHICH THE GROUNDWATER CONTAINS NOT LESS THAN 10,000 PPM TOTAL DISSOLVED SOLIDS, AND 1500 PPM CHLORIDE.
THE OPEN HOLE BELOW THE CASING TIP SHALL EXTEND A MINIMUM OF 10 FT. WHERE THE CASING IS PLACED IN A DRILLED HOLE, GROUT THE FULL LENGTH OF CASING.
4. DRILL THE WELL IN THE LOCATIONS INDICATED ON THE DRAWINGS. PROVIDE SUITABLE TANKS AND TRUCKS TO IMMEDIATELY REMOVE ALL DRILLING AND WELL WATER FROM THE SITE AND TO KEEP THE DRILLING AREA AS CLEAN AND FREE OF UNSIGHTLY DEBRIS AS POSSIBLE.
5. THE REQUIRED DISCHARGE CAPACITIES FOR THE WELLS SHALL BE 750 GPM PER FOOT OF HYDRAULIC HEAD. TOTAL MINIMUM DISCHARGE CAPACITY SHALL BE 2100 GPM WITH THE WATER COLUMN AT ELEVATION 2.3 FEET NGVD BASED IN A GROUND WATER LEVEL OF 2.0 FEET NGVD. AT THE LOSS OF DRILLING FLUID, THE CONTRACTOR SHALL TEST THE WELL FOR CAPACITY AND SHALL CONTINUE TO DRILL UNTIL AN ADEQUATE STRATUM IS FOUND.
6. GROUT CASINGS IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE, IN ONE CONTINUOUS OPERATION, FILLING COMPLETELY THE ANNULAR SPACE BETWEEN HOLE AND CASING FROM THE BOTTOM OF THE CASING UP TO THE TOP OF THE GROUND. UNLESS OTHERWISE SPECIFIED, THE METHOD USED SHALL BE ONE OF THOSE DESCRIBED IN AWWA A100, SECTION A1-6.4 – "GROUTING OF ANNULAR SPACE SURROUNDING PROTECTIVE CASING" PROVIDED THERE IS NO CONFLICT WITH REQUIREMENTS OF THESE SPECIFICATIONS. AFTER CEMENTING, THE CASING AND WELL, MUST REMAIN UNDISTURBED FOR AT LEAST 48 HOURS FOR SETTING UP OF THE CEMENT.

DRAINAGE WELL SPECIFICATIONS
SCALE:NTS




CONCRETE LID SLAB
SCALE:NTS




BAFFLE DETAIL
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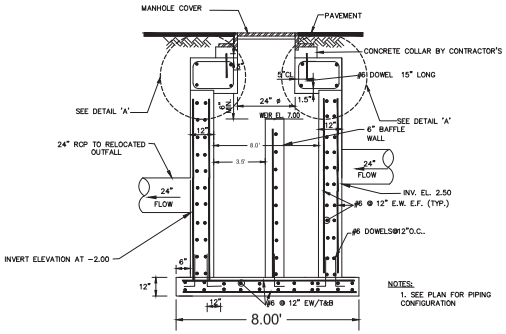
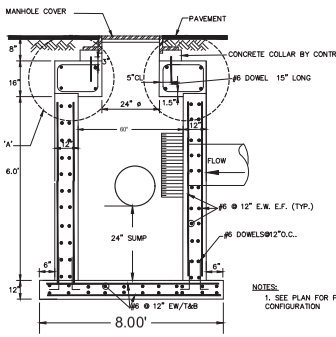
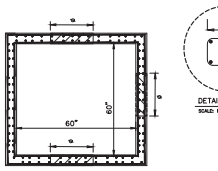



NOTES:
1. SEE PLAN FOR PIPING CONFIGURATION

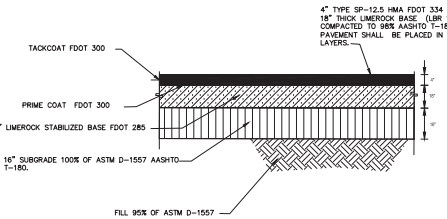
CONTROL STRUCTURE
SCALE:NTS



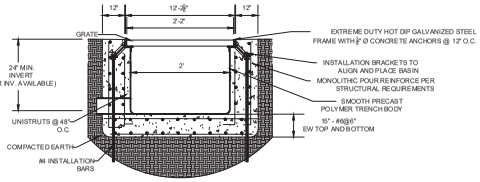

NOTES:
1. SEE PLAN FOR PIPING CONFIGURATION




MANHOLE STRUCTURE
SCALE:NTS

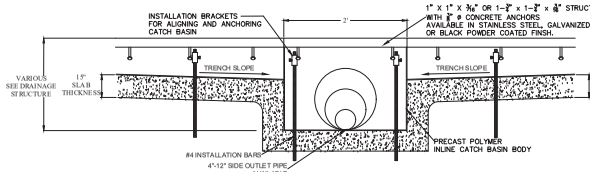


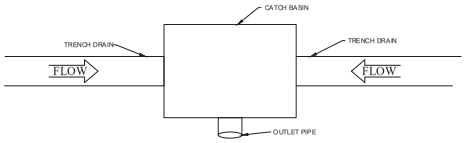

HEAVY DUTY PAVEMENT DETAIL
SCALE:NTS




NOTES:
1. REINFORCE ACCORDING TO STRUCTURAL REQUIREMENTS
2. CATCH BASIN MUST BE 1" BELOW FINISHED CONCRETE GRADE

TYPICAL DTPF12-EXGS15TEA CATCH BASIN SECTION
SCALE:NTS




TYPICAL CATCH BASINS DETAIL
SCALE:NTS

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

PORTMIAMI
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800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 0000524

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: DRAINAGE DETAILS

WARNING!

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DRAWING HISTORY

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| | | |
| | | |
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| | | |
| | | |

ATKINS
ENGINEER OF RECORD

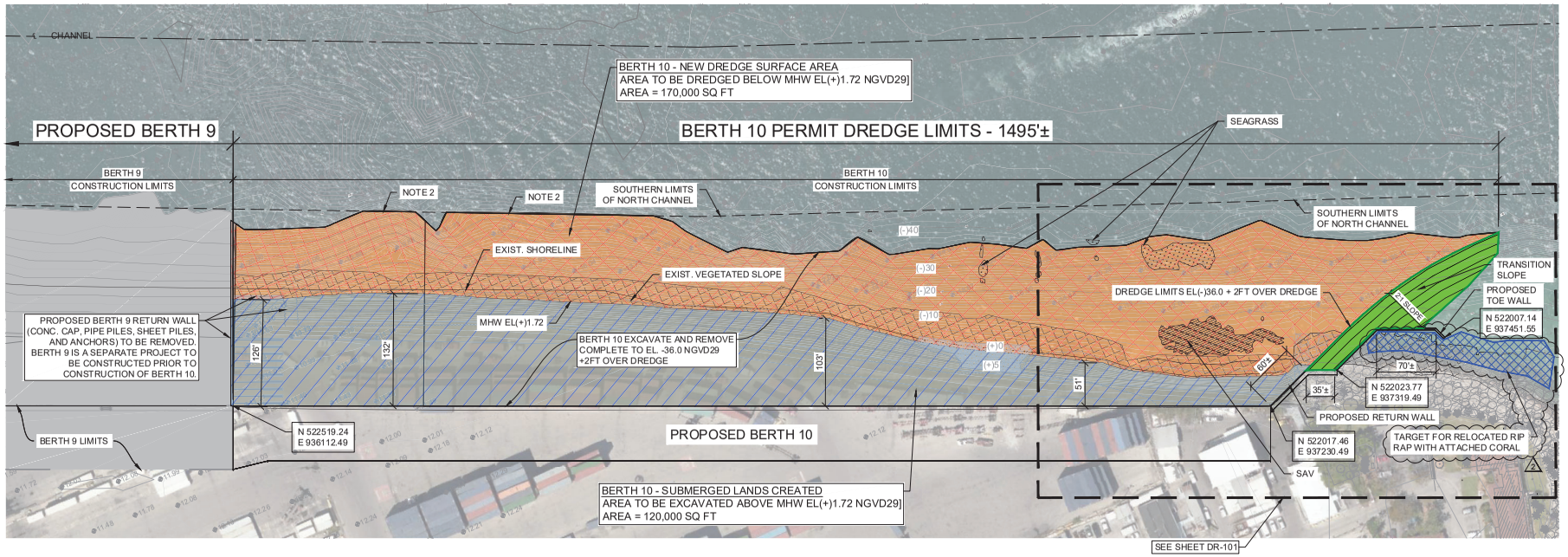
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: DRAINAGE DETAILS
DATE : 05-27-20 | SCALE:AS NOTED
SHEET C-200
DWG. No. 19 of 21

MDC033

Jul 01, 2021 – 3:29pm CAP05788 G:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WOR03-Env Permit Modification\Env Permit Drawings\ 09 C-200 Civil Details.dwg

NORTH CHANNEL




## BERTH 10 OVERALL DREDGE PLAN

SCALE 1" = 60'-0"

TARGET DEEPENING = EL.(-)36.0 + 2FT OVERDREDGE

| BERTH 10 AREAS | | | | |
|---|---|---|---|---|
| DESCRIPTION | EXISTING | PROPOSED TOTAL FOR BERTH 10 | | |
| BULKHEAD LENGTH | N/A | 1,225 FT | | |
| RETURN WALL LENGTH | N/A | 95 FT | | |
| TOE WALL LENGTH | N/A | 155 FT | | |
| FENDERS | N/A | 9 | | |
| MOORING BOLLARDS | N/A | 15 | | |
| FILLED SUBMERGED LANDS | N/A | N/A | | |
| MAINTENANCE DREDGE SURFACE AREA | N/A | N/A | | |
| 2 APPROX. NUMBER OF SUBMERGED RIP RAP BOULDERS WITH ATTACHED COLONIES | N/A | APPROX. 300 BOULDERS (APPROX. 210 CY) 2 | | |
| NON-MAINTENANCE DREDGE SURFACE AREA | N/A | 170,000 SQ. FT. | 3.903 ACRES | 107,000 CY |
| SUBMERGED LAND CREATED | N/A | 120,000 SQ. FT. | 2.755 ACRES | 209,000 CY |
| BERTH 10 TOTAL DREDGE VOLUME | N/A | 290,000 SQ. FT | 6.658 ACRES | 316,000 CY |

NOTE: BERTH 10 HAS A TOTAL LENGTH OF 1,225 FT. THE BULKHEAD LENGTH IN THE TABLE REPRESENTS THE TOTAL BULKHEAD LENGTH FOR BERTH 10, EXCLUDING RETURN WALL AND TOE WALL. RETURN WALL AND TOE WALL HAVE SEPARATE VALUE IN TABLE.

LEGEND:

- BERTH 10 - NEW DREDGE SURFACE AREA
  EDGE TO EL. (-)36.0 NGVD29 + 2FT OVERDREDGE
- BERTH 10 - SUBMERGED LANDS CREATED
  DREDGE TO EL. (-)36.0 NGVD29 + 2FT OVERDREDGE
- BERTH 10 DREDGE SIDE SLOPE
- TARGET LOCATION FOR RELOCATED RIP RAP WITH ATTACHED CORAL (2)
- (-)20 — DENOTES EXISTING CONTOUR ELEVATIONS (IN FEET NGVD29)
- POTENTIAL CORAL AREA (SUBMERGED RIP RAP)
- SEAGRASS (HALOPHILA DECIPIENS)
  APPROX. AREA = 2615 SF
- SAV (HALIMEDA SP.)
  APPROX. AREA = 3758 SF

NOTES:

1. BATHYMETRIC DATA DEPICTED IN THIS SHEET WERE TAKEN FROM USACE EHYDRO SITE, SURVEY NUMBER 2018-125 DATED APRIL 5, 2018. DOCUMENT NAME MH_01_MIH_20180405_CS_2018_125_02, REVISION NUMBER 3.162-20180601.
2. NO DREDGING TO OCCUR WITHIN NORTH CHANNEL LIMITS AS PART OF BERTH 10 PROJECT.
3. SEE QUANTITIES TABLE ON SHEET G-001.
4. (2) CORAL AND RIP RAP RELOCATION SHALL COMPLY WITH THE CORAL RELOCATION PLAN FOR PORT MIAMI NORTH BULKHEAD BERTH 10, APPROVED BY FDEP DATED JANUARY 2023, PERMIT NO. 0181285-017-BI. RIP RAP WITH ATTACHED CORAL SHALL BE RELOCATED TO THE REVETMENT AT THE PILOT HOUSE AT A SIMILAR LOCATION TO WHERE THE RIP RAP IS CURRENTLY SITUATED, WITH A MAXIMUM DEPTH OF WATER OF APPROXIMATELY 8 FEET, TYPICAL. RIP RAP WITH ATTACHED CORAL COLONIES SHALL BE PLACED AVOIDING CONTACT WITH EXISTING CORAL COLONIES WITHIN THE REVETMENT.

0 60' 120'
SCALE: 1" = 60'-0"

**ENVIRONMENTAL PERMIT DRAWINGS**
**NOT FOR CONSTRUCTION**

PORTMIAMI

ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
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LB NO. 0000024

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: BERTH 10 OVERALL DREDGE PLAN

WARNING!

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DRAWING HISTORY

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| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| 2 | RER Comment | 03/19/2024 |

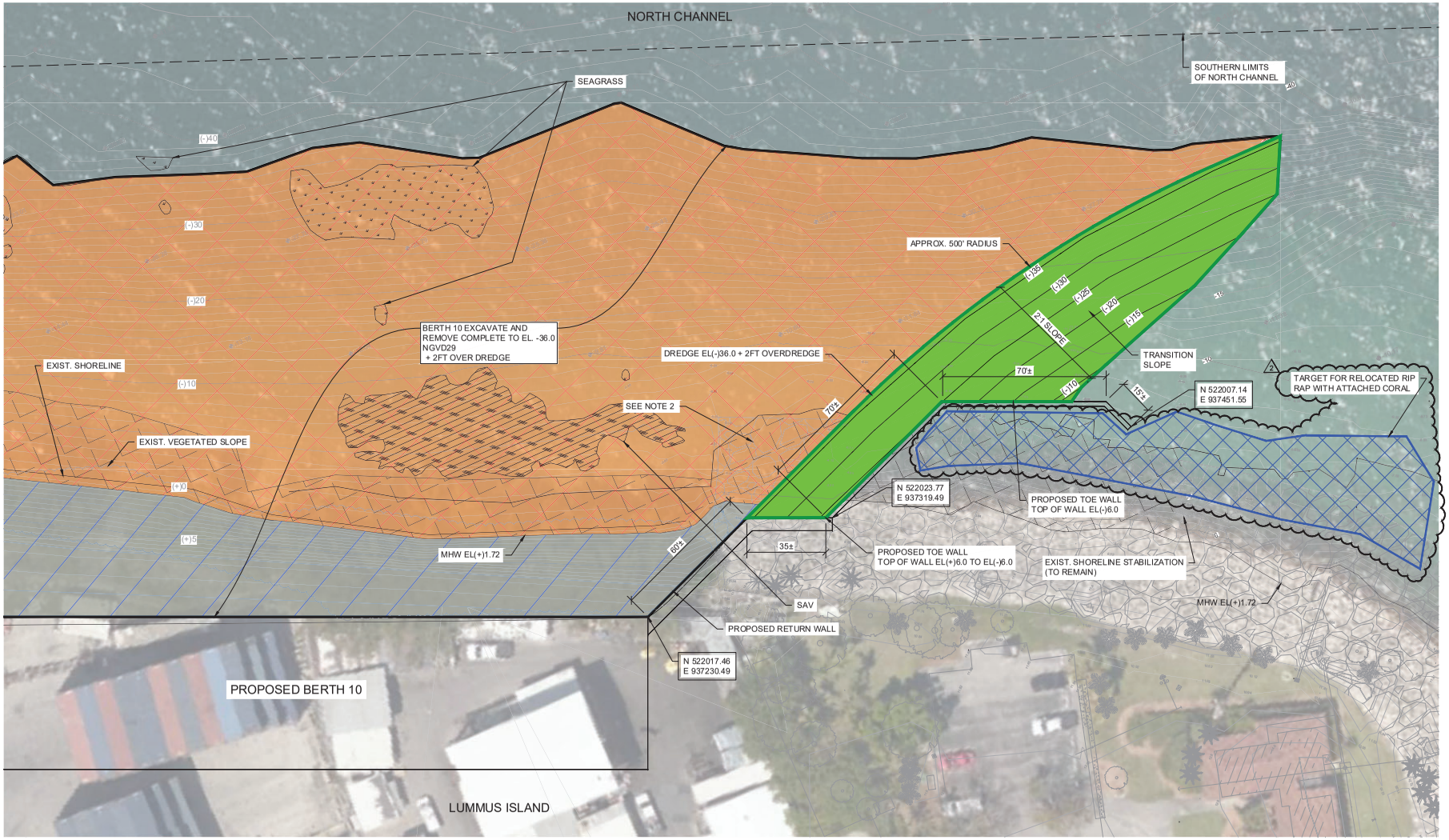
ATKINS
ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72979

PROJ. No. : 100069656
FILE NAME: BERTH 10 DREDGE PLAN 1
DATE: 05-27-20
SCALE:AS NOTED
SHEET DR-100
DWG. No. 20 of 21

MDC034

Mar 19, 2024 - 12:03pm DEABB952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WG#03-Env Permit\Active\18-SEA-01 DERM Permit Drawings\10 DR-100 - DR101 - Dredge Site Plan rev2 2024-03-19.dwg




## BERTH 10 ENLARGED DREDGE PLAN

SCALE 1" = 20'-0"

LEGEND:

- BERTH 10 - NEW DREDGE SURFACE AREA
  DREDGE TO EL. (-)36.0 NGVD29 + 2FT OVERDREDGE
- BERTH 10 - SUBMERGED LANDS CREATED
  DREDGE TO EL. (-)36.0 NGVD29 + 2FT OVERDREDGE
- BERTH 10 DREDGE SIDE SLOPE
- TARGET LOCATION FOR RELOCATED RIP RAP WITH ATTACHED CORAL (2)
- (-)20 — DENOTES EXISTING CONTOUR ELEVATIONS (IN FEET NGVD29)
- POTENTIAL CORAL AREA (SUBMERGED RIP RAP)
- SEAGRASS (HALOPHILA DECIPIENS) APPROX. AREA = 2615 SF
- SAV (HALIMEDA SP.) APPROX. AREA = 3758 SF

**ENVIRONMENTAL PERMIT DRAWINGS NOT FOR CONSTRUCTION**

NOTES:

1. BATHYMETRIC DATA DEPICTED IN THIS SHEET WERE TAKEN FROM USACE EHYDRO SITE, SURVEY NUMBER 2018-125 DATED APRIL 5, 2018. DOCUMENT NAME MH_01_MIH_20180405_CS_2018_125_02, REVISION NUMBER 3.162-20180601.
2. RIP RAP REMOVED FOR INSTALLATION OF THE TOE WALL AND RETURN WALL ABOVE THE MEAN HIGH WATER LINE(MHWL) SHALL BE PLACED LANDSIDE OF THE RETURN WALL; RIP RAP BELOW THE MHWL WITH ATTACHED CORAL COLONIES SHALL BE PLACED ON THE EAST SIDE OF THE RETURN AND TOE WALL AT ELEVATIONS WITHIN THE EXISTING REVETMENT EQUIVALENT TO WHERE THE RIP RAP WAS ORIGINALLY FOUND AND AVOIDING CONTACT WITH EXISTING CORAL COLONIES WITHIN THE REVETMENT.
3. (2) CORAL AND RIP RAP RELOCATION SHALL COMPLY WITH THE CORAL RELOCATION PLAN FOR PORT MIAMI NORTH BULKHEAD BERTH 10, APPROVED BY FDEP DATED JANUARY 2023, PERMIT NO. 0181285-017-BI. RIP RAP WITH ATTACHED CORAL SHALL BE RELOCATED TO THE REVETMENT AT THE PILOT HOUSE AT A SIMILAR LOCATION TO WHERE THE RIP RAP IS CURRENTLY SITUATED, WITH A MAXIMUM DEPTH OF WATER OF APPROXIMATELY 8 FEET. TYPICAL. RIP RAP WITH ATTACHED CORAL COLONIES SHALL BE PLACED AVOIDING CONTACT WITH EXISTING CORAL COLONIES WITHIN THE REVETMENT.

0 20' 40'
SCALE: 1" = 20'-0"

PORTMIAMI

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LB NO. 0000624

PORTMIAMI BERTH 10
ENVIRONMENTAL PERMIT DRAWINGS
PORTMIAMI PROJECT NO. 2020-021
ATKINS PROJECT NO. 100069656

SHEET NAME: BERTH 10 ENLARGED DREDGE PLAN

WARNING!

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DRAWING HISTORY

| RELEASED FOR | DATE | BY |
|---|---|---|
| REVIEW 100 % | 05/01/2020 | N/A |
| PERMIT | 05/27/2020 | |

REVISIONS

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | Comment Revisions | 07/01/2021 |
| 2 | RER Comment | 03/19/2024 |

ATKINS ENGINEER OF RECORD

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100069656
FILE NAME: BERTH 10 DREDGE PLAN 2
DATE: 05-27-20
SCALE: AS NOTED
SHEET: DR-101
DWG. No. 21 of 21

MD0035

Mar 19, 2024 - 2:35pm DEABRISO X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WO#03-Env Permit\Drawings\10 DR-100 - DR101 - Dredge Site Plan rev2 2024-03-19.dwg

# Attachment C

# DERM Project Report

**CLASS I PERMIT APPLICATION NO. CLI-2024-0080**

Class I Permit Application by Miami-Dade County, through its Seaport Department, for the Creation of Berth 10 through Non-Maintenance Dredging, Upland Excavation, and the Installation of a New Seawall, Return Wall, and Toewall Footer along the Northeast Side of the Port of Miami, 1015 North America Way, Miami, Miami-Dade County, Florida.

**DATE: December 11, 2024**

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. An in-water benthic survey revealed a dense coverage of macroalgae, and invertebrates, including corals, growing on the riprap shoreline. The Seaport is proposing the following measures in an effort to avoid and minimize impacts to benthic resources within the project footprint.

   Approximately 521 hard and soft coral colonies (not including those colonies attached to the Pilot House revetment boulders) would be relocated to either (1) artificial reef site POM-A or (2) Pilot House revetment area (as space allows) or (3) donated to an entity that is conducting restoration or restoration research, such as, but not necessarily limited to, University of Miami's Rosenstiel School of Marine, Atmospheric, and Earth Science (RSMAS). All *Colpophyllia natans*, *Dichocoenia stokesii*, and *Diploria labryrinthiformis* coral species (regardless of size), identified in the pre-relocation coral survey would be prioritized for relocation to the Pilot House revetment area. The focus of the relocation program would be to relocate corals that are anticipated to survive well on the offshore artificial reef and initiate colonization of the reef.

   While the construction would result in the loss of the existing macroalgae and invertebrates within the project footprint, it is reasonably expected that upon completion of the work the new sheetpile seawall would provide suitable habitat for the re-establishment of similar benthic resources, including federally listed threatened species of coral that can recruit from the surrounding area. In addition, it is not anticipated that this project would result in negative changes to the quality of the available habitat, and a similar amount of suitable replacement habitat for both federally listed threatened and non-listed corals would be available upon completion of the proposed work. Furthermore, the existing habitat within the proposed project footprint is not considered critical to federally listed threatened species of coral as adequate habitat for both listed and non-listed species of coral exist elsewhere in Miami-Dade County. For all these reasons, this project is not anticipated to result in an adverse environmental impact to habitat that is critical to either federally listed threatened or non-listed species of corals.

   In addition to the above-mentioned coral relocation, compensatory mitigation would be required for the otherwise permittable impacts associated with the project. Mitigation for temporary water quality impacts associated with the installation of the new seawall and dredging was evaluated using the Uniform Mitigation Assessment Method, pursuant to 62-345, F.A.C. Based on an evaluation of the proposed work, additional mitigation under Chapter 24 would not be required because the impacts would be fully offset by the above-mentioned measures and by the creation of 2.755 acres of tidal waters and bay bottom resulting from the excavation of the uplands. Furthermore, seawalls throughout PortMiami have been documented to provide significant surface area for colonization by benthic resources. It is reasonably expected that upon completion of the proposed seawall, recolonization of benthic resources similar to those that previously existed within the project footprint, including federally listed species of coral, could occur on the new seawall. Should the permit be granted by the Board, a mitigation bond to ensure that an appropriate environmental enhancement project is completed would be required prior to permit issuance.

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, and the applicant has submitted a turbidity monitoring plan.

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 and would provide for larger ships to access the cruise terminals at the Port.

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 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. The proposed project site is not located within an area designated as essential manatee habitat for the West Indian Manatee by the MPP; however, the Class I permit would require that all standard manatee construction permit conditions be followed during all in-water operations. Furthermore, mooring of vessels or barges greater than 100 feet in length requires the use of a fender system that provides a minimum of 4 feet of standoff from the bulkhead under maximum operational compression.

Prior to any coral relocation efforts, an ESA-listed coral survey of the entire project area, based on NOAA's new ESA-Listed Coral Colony and Acropora Critical Habitat Survey Protocol (NMFS 2020), would be conducted. Regardless of their size, all corals listed in the Revised Coral Relocation Plan (or an agreed upon portion of their numbers) plus all ESA-listed species, would be identified in a pre-relocation ESA-listed coral colony survey and would be considered for relocation or, if the species is protected, would be offered for donation to an entity that is conducting restoration or restoration research. The National Marine Fisheries Service's (NMFS's) also requested that the Port evaluate and consider the relocation of all coral species (regardless of size), that are listed on the prioritization list staring at the bottom of page 5 of the new FWC Coral and Octocoral Mitigation Relocation Recommendations (FWC 2020) and that are not being donated to the Pilot House revetment area as opposed to an off-shore artificial reef site (Artificial Reef Site POM-A).

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 by the County 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 would occur on lands owned by the applicant.

24. **Conformance with Standard Construction Procedures and Practices and Design and Performance Standards** – The proposed project complies with the standard construction procedures and practices and design and performance standards of the applicable portions of 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 (permit is required and has been obtained)

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 Elements of this Plan, and with all applicable environmental regulations, as well as other elements of the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

**LAND USE ELEMENT I:**

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

**TRANSPORTATION ELEMENT II**

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

**Port of Miami River Subelement/Objective 3** - Minimization of impacts to estuarine water quality and marine resources. The 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 would not compromise flood protection.

**Objective 6/Policy 6A** - Areas of highest suitability for mineral extraction. - The proposed project is not located in an area proposed or suitable for mineral extraction.

**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, and the impacts have been minimized and would be offset as set forth in Numbers 1 and 18 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 complies with the following 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 project site is located within an area recommended for "Freight Terminals/Large Vessel (>100') Berthing" by the Miami-Dade County Manatee Protection Plan (MPP) and is not located within essential habitat for the West Indian Manatee. The Class I permit would require that all standard manatee construction conditions be followed during all in-water construction operations. Furthermore, the mooring of vessels or barges greater than 100 feet in length would require the use of a fender system that provides a minimum of 4 feet of standoff from the bulkhead under maximum operational compression.

Prior to any coral relocation efforts, an ESA-listed coral survey of the entire project area, based on NOAA's new ESA-Listed Coral Colony and Acropora Critical Habitat Survey Protocol (NMFS 2020), would be conducted. regardless of their size, all corals mentioned in the revised coral relocation plan (or an agreed upon portion of their numbers) plus all ESA-listed species, would be identified in a pre-relocation ESA-listed coral colony survey and would be considered for relocation or, if the species is protected, would be offered for donation to an entity that is conducting restoration or restoration research.

**Objective 5/Policy 5B** - Existing and new areas for water-dependent uses. - The proposed project would create new areas for water dependent use.

**Objective 5/Policy 5D** - Consistency with Chapter 33D, Miami-Dade County Code. (shoreline access, environmental compatibility of shoreline development) – The proposed project was reviewed by the Miami-Dade County Shoreline Development Review Committee and it was determined that the thresholds for review 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 would involve the creation of new water dependent facilities and the siting is appropriate.

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 consistent with the MPP as set forth in Number 18 above.

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 by the County within its own jurisdiction shall not be required to submit a substantiating letter or plan approval from the local 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 is not located within a wetland.

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:

(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.

Martha J. Lastre

Martha Garcia Lastre, Acting Chief
Natural Resources Division

Rockell Alhale

Rockell Alhale, Manager
Coastal Resources Section

# Attachment D

# Florida Department of Environmental

# Protection Permit

# Berth 9 & 10

# Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary


## Environmental Resource Permit

**Issued Date: July 3, 2018**
**Expiration Date: July 3, 2028**

**Project: PortMiami North Bulkhead Berth 9**
**Permittee: Port of Miami**
**Permit No: 0181285-013-BI**

### PROJECT LOCATION

The activities authorized by this permit are located in Miami-Dade County, within the City of Miami, at PortMiami, directly east of proposed Berth 8, along the northern shoreline of Dodge/Lummus Island, in Biscayne Bay, Section 37, Township 54 South, Range 42 East, within Biscayne Bay Aquatic Preserve, Class III Waters, Outstanding Florida Waters.

### PROJECT DESCRIPTION

The project is to construct a new berth (Berth 9) along the north side of PortMiami, east of existing Berths 1 through 6, and newly constructed Berth 7, and conceptually approved Berth 8. The Berth 9 project includes the construction of a new, 1,240-foot interlocking steel sheet pile (SSP) bulkhead wall approximately 180 feet landward of the existing waterfront, with a 180-foot SSP end wall and a 65-foot return wall on the eastern end of the new bulkhead. The project also authorizes excavation of approximately 340,000 cubic yards of earthen material seaward of the new bulkhead wall, followed by dredging of approximately 96,407 cubic yards of submerged bottom to a maximum depth of -37.0 feet NGVD to create a new cruise ship berthing facility.

### AUTHORIZATIONS

**PortMiami North Bulkhead Berth 9**

**Environmental Resource Permit**

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

**Sovereignty Submerged Lands Authorization**

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

**Federal Authorization**
Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **may be required** from the Corps. A copy of your permit application has been forwarded to the Corps for their review. The Corps will issue their authorization directly to you or contact you if additional information is needed. If you have not heard from the Corps within 30 days from the date your application was received at the local FDEP Office, contact the Corps at the Miami Field Office SEAPPLS@usace.army.mil (305) 525-7181, for status and further information. **Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.**

**Coastal Zone Management**
Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

**Water Quality Certification**
This permit also constitutes a water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. 1341

**Other Authorizations**
You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

**PERMIT**
The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit, as described.

**SPECIFIC CONDITIONS - ADMINISTRATIVE**

1. If the General Conditions, approved permit drawings or final Plans & Specifications contradict the Specific Conditions, then the Specific Conditions shall prevail.

2. Unless the Specific Condition specifies otherwise, all submittals required herein shall be submitted electronically (via e-mail, CD or DVD, or through a file transfer site) when practicable. Email submittals shall be sent to the JCP Compliance Officer at JCPCompliance@dep.state.fl.us, the Biscayne Bay Aquatic Preserve Manager at Biscayne.Bay@dep.state.fl.us (phone: 305-795-3486) and the Southeast District Office (cover letter only) at John.Renfranz@dep.state.fl.us (phone: 561-681-6600). If a file transfer site is used, a link shall be emailed to the relevant parties.

   *Note: such submittals include, but are not limited to, as-built drawings, progress reports and turbidity monitoring reports. **All submittals shall clearly indicate the project name (PortMiami North Bulkhead Berth 9) and the permit number (0181285-013-BI)**.

**SPECIFIC CONDITIONS – PRE-CONSTRUCTION ACTIVITIES**

3. **Pre-Construction Conference.** Prior to commencement of the work authorized by this permit, the Permittee shall conduct a pre-construction conference to review the General and Specific Conditions and monitoring requirements of this permit with the Permittee's contractors, those responsible for turbidity monitoring, the JCP Compliance Officer (or designated alternate), a representative from the Biscayne Bay Aquatic Preserve, and a representative from the Florida Fish and Wildlife Conservation Commission (FWC) (phone: (850) 922-4330, email: marineturtle@myfwc.com). The Permittee is advised to contact the Department (contact information listed in Specific Condition 2) and FWC at least ten (10) days in advance of the preferred meeting date to ensure that appropriate representatives are available.

   The Permittee is also advised to plan to hold the pre-construction conference at least twenty (20) days in advance of the intended commencement date to allow for unanticipated preconstruction actions that may need to be taken.

4. **Notice to Proceed.** No work shall be conducted under this permit until the Permittee has received a written Notice to Proceed (NTP) from the Department. At least 30 days prior to the requested date of issuance of the NTP, the Permittee shall submit the following for review and approval by the Department:

   a. One (1) electronic copy of detailed final construction plans and specifications for all authorized activities. The **plans and specifications** must be consistent with the project description of this permit and the attached permit drawings, and shall also be certified by a Professional Engineer (P.E.), who is registered in the State of Florida. The plans and specifications shall include a description of the dredging and construction methods to be utilized and drawings and surveys that show all biological resources and work spaces (e.g., anchoring areas, staging areas, boat access corridors, etc.) to be used for this project. The Permittee shall also specify the anticipated disposal or re-use location(s) and appropriate contact information for those facilities.,

b. A copy of the Contractor's Environmental Protection Plan, or equivalent, which provides project-specific details of the Best Management Practices (BMPs) that will be implemented to prevent erosion, turbidity and the release of hazardous substances at the dredge/scow, staging areas or during the transfer of material to offsite disposal sites.

c. The names, credentials (demonstrating experience and qualifications) and contact information for the individuals who will conduct the turbidity monitoring. Turbidity monitors shall have prior training in water quality monitoring and experience in turbidity monitoring for major dredging projects. The turbidity monitors shall be independent of the design engineer and the contractor.

d. The names, credentials (demonstrating experience and qualifications) and contact information for the individuals who will conduct the coral transplantation, artificial reef installation and the requisite monitoring. Biological monitors shall have prior training in coral transplantation and experience in monitoring.

e. A **Watch Plan** detailing the proposal for observing protected marine species. This plan shall include:

i. a list of all protected marine species observers associated with the project (their names, credentials, qualifications, contact information and a description of their observational experience (nighttime and daytime experience);

ii. a description of where the observers will be located during work and how they will cover the areas required (the observers shall be in elevated positions, if possible, to maximize visibility and this description shall include when tugboats and crew vessels are mooring to the dredge;

iii. the length of work shifts for the observers;

iv. the equipment used to aid in observation (recommend having a spotlight available to use if needed); and

v. The equipment used to communicate with the dredge operator.

Observers shall have on-the-job experience observing protected marine species, such as manatees and marine turtles, during major dredging projects.

**SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES**

5. Construction within an Aquatic Preserve is limited to 30 days unless otherwise approved by the Department. If it appears that any open water work will exceed 30 days and extend beyond the schedule provided as part of the pre-construction submittals in specific condition 4, the Permittee shall submit a request to the Department prior to the 30-day limit or originally scheduled completion date, whichever is later, requesting an extension of the construction period. The request shall include a revised schedule, including the newly

anticipated date of completion, and an explanation of all delays that necessitate the work extension.

6. The Permittee is prohibited from storing or stockpiling project-related tools or materials (e.g., lumber, pilings, debris) within wetlands, along the shoreline within the littoral zone or elsewhere within waters of the state.

7. No equipment or barges shall be temporarily stored, anchored on, or laid on or over seagrass beds or other wetland vegetation without prior written approval from the Department.

8. The Permittee shall immediately report any incident of unauthorized impact to wetlands, submerged aquatic vegetation or hardbottom communities to the Department and take immediate corrective action to avoid any further impacts. Within 30 days of any such event, the Permittee shall propose a remediation/mitigation plan, which shall be implemented immediately upon approval by the Department.

9. In association with General Condition No. 3 below, **BMPs** for controlling turbidity shall be utilized where appropriate and maintained at all times during project construction to minimize turbidity. At the dredge, BMPs may include, but not be limited to, turbidity curtains and an "environmental" (i.e., sealed) clamshell bucket. For in-water work, BMPs may include, but not be limited to, permanent bulkheads and additional turbidity barriers as required. Turbidity control devices shall be installed prior to the commencement of construction in any given area, or prior to commencement of the particular activity, and maintained daily to ensure integrity and functionality until post-construction clean-up of each work area has been completed, or until removal upon completion of the particular activity. Temporary turbidity barriers shall be made of material in which manatees or marine turtles cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee or marine turtle entanglement or entrapment. Turbidity control devices must not impede manatee or marine turtle movement.

10. Discharge such as dewatering or stormwater runoff into open surface waters of the state from any temporary dredged material containment area, is prohibited.

**Water Quality**

11. The maximum mixing zone for turbidity shall be a circle with a radius of 150 meters, originating from the source of the turbidity. In areas where permanent (e.g., bulkheads) or floating turbidity barriers are used to restrict turbidity plumes, the mixing zone shall end immediately outside of the barrier. Beyond the mixing zone, the turbidity standard shall be met during dredging, filling, installation of scour protection mats, transport, and the installation of sheetpiles or other pilings.

12. **Turbidity monitoring** shall be conducted as described below:

    Units: Nephelometric Turbidity Units (NTUs).

Frequency: During daylight hours, sampling shall be conducted three times daily, approximately four (4) hours apart during dredging or construction activities that are within the open waters of the state, starting approximately 30 minutes following commencement of work, while the highest project-related turbidity levels are crossing the edge of the mixing zone. The compliance samples and the corresponding background samples shall be collected at approximately the same time, i.e., one shall immediately follow the other.

Location: Background: Samples shall be collected at surface, mid-depth, and (for sites with depths greater than 25 feet) 2 meters above the bottom, at least 300 meters upcurrent from project-generated turbidity source, and **clearly outside** the influence of any artificially generated turbidity generated by the project or other obvious plume.

Compliance: **Dredging:** Samples shall be collected at surface, mid-depth, and (for sites with depths greater than 25 feet) 2 meters above the bottom, at the edge of the 150-meter mixing zone, down current from the source of turbidity, within the densest portion of any visible turbidity plume.

**Construction/Demolition:** For **activities encompassed by sheet piling or contained within a floating turbidity barrier**, samples shall be collected at mid-depth, downcurrent from the project-related turbidity source, within the densest portion of any visible turbidity plume, immediately outside of the turbidity control device. Samples shall only be required if a turbidity plume is observed outside the limits of the turbidity control device.

If turbidity curtains or similar methodologies are used to protect corals in areas adjacent to the work site, turbidity and water temperature shall be monitored inside the barrier and outside the barrier twice daily at least 4 hours apart. Sampling shall be adequate to determine if the barriers are providing protection or are detrimental to protection of the coral colonies.

Calibration: The instruments used to measure turbidity shall be fully calibrated within one month of the commencement of the project, and at least once a month thereafter during project construction. Calibration with secondary standards shall be verified each morning prior to use, after each time the instrument is turned on, and after field sampling using two secondary turbidity "standards" that bracket the anticipated turbidity samples. If the post-sampling calibration value deviates more than 8% from the previous calibration value, results shall be reported as estimated and a description of the problem shall be included in the field notes.

Analysis of turbidity samples shall be performed in compliance with DEP-SOP-001/01 FT 1600 Field Measurement of Turbidity: http://publicfiles.dep.state.fl.us/dear/sas/sopdoc/2008sops/ft1600.pdf

If the turbidity monitoring protocol specified above prevents the collection of accurate data, or if the sampling protocol does not match the type of dredge being used, the person in charge of the turbidity monitoring shall contact the JCP Compliance Officer to establish a more appropriate protocol. Once approved in writing by the Department, the new protocol shall be implemented through an administrative permit modification.

13. The **compliance** locations given above shall be considered the limits of the temporary mixing zone for turbidity allowed during construction. If monitoring reveals turbidity levels at the **compliance** sites are greater than 0 NTUs above the corresponding background turbidity levels, construction activities shall **cease immediately** and shall not resume until corrective measures have been taken and turbidity has returned to acceptable levels. Any such occurrence shall be immediately reported to the JCP Compliance Officer via email and copied to the DEP Southeast District Office. The subject line of the email shall state: "TURBIDITY EXCEEDANCE" and shall include the project name (PortMiami North Bulkhead Berth 9) and the permit number (0181285-013-BI).

14. When reporting a turbidity exceedance, the following information shall be included:

    a. Project Name (PortMiami North Bulkhead Berth 9);

    b. Permit Number (0181285-013-BI);

    c. Location (shown on map with GPS coordinates);

    d. Level (NTUs above background) of the turbidity exceedance;

    e. Time and date that the exceedance occurred; and

    f. Time and date that construction ceased.

    Prior to re-commencing the construction, a report shall be emailed to the JCP Compliance Officer with the same information that was included in the "Exceedance Report", plus the following information:

    a. Turbidity monitoring data collected during the shutdown documenting the decline in turbidity levels and achievement of acceptable levels;

    b. Corrective measures that were taken; and

    c. Cause of the exceedance.

15. **Turbidity Monitoring Reports**. All turbidity monitoring data shall be submitted within one week of analysis. The data shall be presented in tabular format, indicating the measured turbidity levels at the compliance sites for each depth, the corresponding background levels at each depth and the number of NTUs over background at each depth. Any exceedances of the turbidity standard (0 NTUs above background) shall be highlighted in the table. In addition to the raw and processed data, the reports shall also contain the following information:

a. Time of day samples were taken;

b. Dates of sampling and analysis;

c. GPS location of sample;

d. Depth of water body;

e. Depth of each sample;

f. Antecedent weather conditions, including wind direction and velocity;

g. Tidal stage and direction of flow;

h. Water temperature;

i. A map, overlaid on an aerial photograph, indicating the sampling locations, dredging and discharge locations, and direction of flow;

j. A statement describing the methods used in collection, handling, storage and analysis of the samples; and

k. A statement by the individual responsible for implementation of the sampling program concerning the authenticity, precision, limits of detection, calibration of the meter, accuracy of the data and precision of the GPS measurements.

l. When samples cannot be collected, include an explanation in the report. If unable to collect samples due to severe weather conditions, include a copy of a current weather report from a reliable, independent source, such as an online weather service.

Failure to submit monitoring reports in a timely manner constitutes a violation of the permit pursuant to Chapter 403.161, F.S.,

**SPECIFIC CONDITIONS - PROTECTED MARINE SPECIES**

16. If the actual start date is different from the expected start date proposed during the preconstruction conference, at least 48 hours prior to the commencement of the dredging event, the Permittee shall ensure that notification is sent to the FWC indicating the actual start date and the expected completion date to ImperiledSpecies@myfwc.com. The Permittee shall also ensure that all contracted workers and observers are provided a copy of all permit conditions.

17. FWC's 2011 Standard Manatee Construction Conditions for In-Water Work shall be followed for all in-water construction activities.

a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with, and injury

to manatees. The Permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees, which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels shall follow routes of deep water whenever possible.

c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers shall not impede manatee movement.

d. All on-site project personnel are responsible for observing water-related activities for the presence of manatees. All in-water operations, including vessels, shall be shutdown if a manatee comes within 50 feet of the operation. Activities shall not resume until every manatee has moved beyond the 50-foot radius of the project operation, or until 30 minutes has elapsed wherein a manatee has not reappeared within 50 feet of the operation. Animals shall not be herded away or harassed into leaving.

e. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida.

f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Please see the Florida Fish and Wildlife Conservation Commission website for information on how to obtain appropriate signs: http://www.myfwc.com/docs/WildlifeHabitats/Manatee_EducationalSign.pdf

18. During all open water work, one dedicated marine species (manatees and marine turtles) observer shall be present. Observer(s) shall perform no other duties that may interfere with their ability to observe protected marine species. Observer(s) shall be outfitted with equipment needed for observation (such as binoculars, polarized sunglasses, two-way radios, lights etc.). Observer(s) shall have the authority to, and shall, shut down project operations upon sighting a protected marine animal within the designated safety distance (50-feet during daytime and 75-feet during nighttime) of any in-water construction or vessel activity;

and if detection of a protected marine animal is not possible due to weather or other conditions (such as during fog, rain, wind, etc.). This observer shall have prior on-the-job experience as a dedicated manatee observer during similar in-water work (such as pier demolition, bulkhead and pile installation/ removal).

19. The Permittee or its contractor shall maintain a daily log that details sightings, collisions, or injuries to protected marine species (manatees and marine turtles). The logs shall also include the following project specific information: work itinerary; weather; work shutdown times; observer shift changes. In regard to manatee behavior, the observers shall also log time of observation; duration of sightings; estimated distance of animal from the dredge/equipment/vessel; animal behavior during the sighting (such as passing through, pausing in the vicinity of the project, interacting with the dredge, scows tugs, etc. attracted to running or dripping water); detection method; whether the dredge was operating at time of observation; and actions taken as a result of the sighting, collisions or injuries.

    a. A final report summarizing the logs shall be sent to FWC at ImperiledSpecies@myfwc.com no later than 30 days after demobilization of final project completion. The report shall include project name and permit number, names of observers and contact information.

20. To avoid impacts to protected marine species (manatees, dolphins, marine turtles, etc.) during **clamshell dredging**, the following conditions shall be followed:

    a. Open water dredging shall be conducted during daylight hours only.

    b. During clamshell operations, the dredge operator shall gravity-release the clamshell bucket only at the water's surface, and only after confirmation that there are no protected species within the 50-foot designated safety distance. The protected marine species observer shall notify the Contractor if protected marine species enter within the designated safety distance. Prior to lowering the dredge bucket to the water's surface, the water immediately below and adjacent to the bucket shall be scanned for the presence of protected marine species, and all dredging operations shall cease if a protected marine species is observed. Activities shall not resume until the protected marine species has moved beyond the immediate area of the project operation, or, if the protected marine species submerges, until 30 minutes elapses and the protected marine species has not reappeared within the immediate area of the operation;

21. To avoid impacts to protected marine species (manatees, dolphins, marine turtles, etc.) during pile driving, the following conditions shall be followed:

    a. All open water pile driving activity shall be confined to daylight hours.

    b. Monitoring for protected marine species shall occur for 30 minutes prior to pile driving and during pile driving. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with the FWC at ImperiledSpecies@myfwc.com or 850-922-4330. Any

additional conservation measures deemed necessary by FWC shall be implemented to minimize the risks to protected species.

c. The Permittee/Contractor shall implement a soft-start (ramp-up) measure during pile driving and removal, i.e., pile driving activities shall start with lower hammer energy levels, then gradually increase to the minimum energy level required for pile installation/removal.

22. The Permittee shall install and maintain wharf fenders to provide sufficient standoff space of at least three feet under maximum designed compression, to reduce the potential of crushing manatees between vessels during construction and operation. Fenders or buoys providing a minimum standoff space of at least three feet under maximum designed compression shall also be utilized between two vessels that are moored together such as, but not limited to, the mooring of the scow and dredge barges.

23. The Permittee shall install and maintain manatee exclusion devices (such as grating) over any existing or proposed, submerged or partially submerged pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are reasonably accessible to manatees within the bulkhead wall. If horizontal or vertical bars are used, no more than 8 inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process, and as a final design element to restrict manatee access.

24. Blasting is prohibited. If no other alternative exists, a permit modification may be requested to allow for blasting. This modification must include special protected marine animal protection blasting conditions as required by the Imperiled Species Management Section, FWC.

25. **Reporting.** If an injured or dead marine mammal or marine turtle is discovered in the vicinity of the project location while mobilized, the following shall occur:

a. The Contractor shall **cease** all work and immediately notify the Permittee, and the Contractor/Permittee shall immediately notify the JCP Compliance Officer: JCPCompliance@dep.state.fl.us as well as the applicable agencies. The Contractor/Permittee shall maintain contact with the injured or dead animal to the greatest extent practicable until authorities (i.e., FWC and / or NMFS) arrive to retrieve the animal. Work shall not continue until the applicable wildlife agency has arrived on scene and recovered or rescued the animal.

- FWC Wildlife Alert Hotline: 1-888-404-3922 and ImperiledSpecies@myfwc.com (manatees, marine turtles and whales)
- NMFS Emergency Stranding Hotline: 1-877-433-8299 (marine turtles, whales and dolphins)
- STSSN: SeaTurtleStranding@myfwc.com

Details of the incident shall be sent to FWC at ImperiledSpecies@myfwc.com within 24 hours. Information shall include, but not be limited to: a narrative of the incident, photographs/videos of the incident and surrounding environment (if possible), a GPS point where the animal was discovered, names, titles and contact numbers of all personnel onsite at the time of the incident, and the name, title and contact number for the designated Port Authority representative. Additional information may be requested by FWC and telephone interviews may be required.

b. Preliminary assessments of the incident information by FWC and the Department may require that work temporarily cease upon notification and not resume until FWC can confirm that all permit conditions are being appropriately implemented. If needed, FWC will provide DEP and the Permittee any additional protection measures necessary to minimize future risks to protected marine species. The Department will determine whether or not a permit modification is required if substantial modifications to protective measures are requested by FWC.

26. At minimum, the attached document titled "Methodologies for Artificial Reef Construction and Harvesting/Transferring Coral within the Rip Rap Revetment" shall be followed for all coral transplantation activities. Additionally, the below conditions shall be followed:

a. All species of corals that are listed as threatened pursuant to the Endangered Species Act must be relocated, regardless of size. These species are: *Acropora palmata, Acropora cervicornis, Dendrogyra cylindrus, Mycetophyllia ferox, Orbicella annularis, Orbicella faveolata,* and *Orbicella franksi*.

b. Corals and octocorals must be visually assessed for disease immediately prior to removal from the removal site (and again from a temporary holding site if one is used), pursuant to the attached "FWC Coral and Octocoral Visual Health Assessment Protocols" (FWC Health Protocols). Only corals and octocorals that meet the criteria established in the FWC Health Protocols shall be authorized for removal and relocation.

c. Should corals fragment upon removal, all fragments of the same broken coral must be kept together and reconstructed by reattaching fragments as close together as possible (like puzzle pieces – reattached within 0 - 5 cm apart from one another). The re-constructed corals should be considered as one single coral for monitoring purposes.

27. Progress reports for the project shall be submitted to the Department beginning 90 days after commencement and shall continue to be submitted quarterly until construction of the permitted project is completed. The cover page shall indicate the permit number, project name and the Permittee/Agent's contact information. Progress reports must be submitted to the Department even if there is no ongoing construction. Reports shall include the current project status and the construction schedule for the following six months. In addition, the report shall include the following information:

a. The permit number (0181285-013-BI), project name (PortMiami North Bulkhead Berth 9), reference to this Specific Condition and date permitted activity was begun; if work has not begun on-site, please indicate accordingly.

b. A brief description and extent of the work (e.g., percentage of dredging) completed since the previous report or since the permit was issued, including copies of the permit drawings showing those areas where work has been completed.

c. A brief description and extent of the work anticipated in the next three months. Indicate on copies of the permit drawings those areas where it is anticipated that work will be done.

d. On the first page of the report, just below the title, the certification of the following statement by the individual who supervised preparation of the report: "This report represents a true and accurate description of the activities conducted during the three-month period covered by this report."

**SPECIFIC CONDITIONS- CONSTRUCTION COMPLETION**

30. Within 14 days after completion of construction of the permitted or authorized activity, the Permittee shall include a written statement of completion. The following information shall be included:

a. The permit number (**0181285-013-BI**) and the project name (**PortMiami North Bulkhead Berth 9)**

b. The date on which construction activities began and the date of completion;

c. A table identifying any violations of turbidity standards which occurred during dredging or disposal, the probable causes of the violations and corrective measures taken to reduce turbidity

31. Within 90 days after completion of construction of the permitted or authorized activity, and prior to transfer to operation, the Permittee shall submit an As-Built Survey signed, sealed and dated by a Florida licensed Surveyor and Mapper in accordance with Chapter 61G17-7, Florida Administrative Code. When the completed activity differs substantially from the permit drawings, any substantial deviations shall be noted and explained. Unless pre-authorized by the Department, any significant changes could be considered to be non-compliance with the permit.

**SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS**

32. Written notification shall be provided to the Department at least seven (7) days prior to the initiation of coral transplanting or riprap removal/relocation activities begin. Additionally, monitoring reports of the transplanted corals and artificial reef shall be provided to the Department within 90 days following each monitoring event. The 90-day requirement may be amended upon written notification from the Department.

**GENERAL CONDITIONS FOR INDIVIDUAL PERMITS**

The following general conditions are binding on all individual permits issued under chapter 62-330, F.A.C., except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the Permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase and shall be available for review at the work site upon request by the Agency staff. The Permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to construction and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the Permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," [October 1, 2013], which is incorporated by reference in paragraph 62-330.350(1)(d), F.A.C., indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.

5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the Permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the Permittee shall provide the following to the Agency, as applicable:

    a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

b. For all other activities – "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].

c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:

a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the Permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

b. Within 30 days of submittal of the as-built certification, the Permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The Permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:

a. Convey to the Permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;

b. Convey to the Permittee or create in the Permittee any interest in real property;
c. Relieve the Permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or

d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the Permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the Permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The Permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The Permittee shall notify the Agency in writing:

    a. Immediately if any previously submitted information is discovered to be inaccurate; and

    b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the Permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The Permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately, and notification shall be provided in accordance with Section 872.05, F.S.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The Permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the

Permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

**NOTICE OF RIGHTS**

**FLAWAC Review**
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

**Judicial Review**
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this action is filed with the Clerk of the Department.

**EXECUTION AND CLERKING:**

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Gregory W. Garis
Program Administrator
Beaches, Inlets and Ports Program
Division of Water Resource Management

**Attachments:**
Approved Project Drawings (19 pages)
FWC Coral and Octocoral Mitigation Relocation Recommendations

**Copies furnished to:**
Don Deis, Atkins/Project Agent, don.deis@atkinsglobal.com
Lainie Edwards, DWRM, lainie.edwards@dep.state.fl.us
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Rob Buda, DWRM, rob.buda@dep.state.fl.us
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Monica Sovacool, DEP SE District, jason.andreotta@dep.state.fl.us
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South Florida Regional Planning Council, celam@sfrpc.com

**FILING AND ACKNOWLEDGMENT**
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Kaelyn Massey 7/3/2018
**Clerk** **Date**

# FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

**Ron DeSantis**
Governor

**Jeanette Nuñez**
Lt. Governor

**Shawn Hamilton**
Secretary


## ENVIRONMENTAL RESOURCE PERMIT

**Issued Date: April 19, 2023**
**Expiration Date: April 19, 2033**

**Project: PortMiami Cruise Berth 10**
**Permittee: Port of Miami**
**Permit No: 0181285-017-BI**

**PROJECT LOCATION:**

The project site is located in Miami-Dade County, along the northern edge of PortMiami, adjacent to the City of Miami, on Dodge/Lummus Island, Section 37, Township 54 South, Range 42 East, within Biscayne Bay Aquatic Preserve, Class III Waters, Outstanding Florida Waters (OFW).

**PROJECT DESCRIPTION:**

The project is to construct a new cruise ship berth (Berth 10) at Port Miami, directly east of Berth 9. Berth 10 will measure approximately 1,000 feet long, with a 95-foot return wall and a 155-foot toe wall and will be situated approximately 100 feet landward of the current existing manmade waterfront to align with the final orientations of Berths 8 and 9.

Construction of the new berth includes the installation of approximately 1,000 feet of interlocking steel sheet piles (SSP) to form a new bulkhead, followed by the installation of SSP anchor walls approximately 75 feet landward of the new bulkhead. Asphalt and earthen materials between the new bulkhead and existing riprap will then be removed and excavated, allowing for excavation of the riprap revetment and dredging of the new cruise ship berth to -36.0 feet NGVD with a -2 feet overdredge allowance. Excavation and dredging will remove an estimated 251,000 cubic yards of existing material from the existing uplands and basin. Completion of the berth will include the formation and placement of new concrete bulkhead caps, the installation of drainage systems, mooring bollards, and floating fenders, and paving of the berth aprons with a new layer of asphalt.

**AUTHORIZATIONS**
**PortMiami Cruise Berth 10**

**Environmental Resource Permit**

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

**Sovereignty Submerged Lands Authorization**
As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

**Federal Authorization**
Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **may be required** from the Corps. **Failure to obtain Corps authorization prior to construction could subject you to federal enforcement action by that agency.**

**Coastal Zone Management**
Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

**Water Quality Certification**
This permit also constitutes a water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. 1341

**Other Authorizations**
You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

**PERMIT**
The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms,

conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit, as described.

**SPECIFIC CONDITIONS - ADMINISTRATIVE**

1. If the General Conditions, approved permit drawings or final plans & specifications contradict the Specific Conditions, then the Specific Conditions shall prevail.

2. Unless otherwise specified in the Specific Conditions of this permit all submittals required herein (e.g., progress reports, water-quality reports etc.) shall be electronically submitted (via e-mail, file transfer site or hard drive). Email submittals shall be sent to the Department's JCP Compliance Officer (e-mail address: JCPCompliance@dep.state.fl.us). If a file transfer site is used, a link shall be e-mailed to the JCP Compliance Officer. If data are too large to be submitted via e-mail or file transfer site, the Permittee may submit the data via an external hard drive, provided by the Permittee. The external hard drive shall be mailed to:

   Department of Environmental Protection
   Office of Resilience and Coastal Protection
   Attn: JCP Compliance Officer
   2600 Blair Stone Road, Mail Station 3544
   Tallahassee, FL 32399-2400

   Note: such submittals include, but are not limited to, as-built drawings, progress reports and turbidity monitoring reports. **All submittals shall clearly indicate the project name (PortMiami Cruise Berth 10) and the permit number (0181285-017-BI)**.

**SPECIFIC CONDITIONS – PRE-CONSTRUCTION ACTIVITIES**

3. For each construction event under this permit, no work shall commence until the Permittee has satisfactorily submitted all information noted in this condition. At least 45 days prior to commencement of construction, the Permittee shall submit the following items for review by the Department. Unless otherwise notified by the Department within 15 days of receipt of all information specified below, the Permittee shall assume the submittals are satisfactory:

   a. One (1) electronic copy of detailed final construction plans and specifications for all authorized activities. The **plans and specifications** must be consistent with the project description of this permit and the attached permit drawings and shall also be certified by a Professional Engineer (P.E.), who is registered in the State of Florida. The plans and specifications shall include a description of the dredging

and construction methods to be utilized, including expected time to complete the permitted project, and drawings and surveys that show all biological resources and work spaces (e.g., anchoring areas, staging areas, boat access corridors, etc.) to be used for this project. The Permittee shall also specify the anticipated disposal or re-use location(s) and appropriate contact information for those facilities.,

b. A copy of the Contractor's Environmental Protection Plan, or equivalent, which provides project-specific details of the Best Management Practices (BMPs) that will be implemented to prevent erosion, turbidity and the release of hazardous substances at the dredge/scow, staging areas or during the transfer of material to offsite disposal sites.

c. The names, credentials (demonstrating experience and qualifications) and contact information for the individuals who will conduct the turbidity monitoring. Turbidity monitors shall have prior training in water quality monitoring and experience in turbidity monitoring for major dredging projects. The turbidity monitors shall be independent of the design engineer and the contractor.

d. ***Draft turbidity sampling map.*** An example of the geo-referenced map that will be provided with turbidity reports, including the boundaries of hardbottom resources that have not yet been relocated (pursuant to Specific Condition 12).

e. ***Coral and octocoral transplantation and monitoring qualifications***. Monitoring staff/personal shall meet the requirements set forth in the approved "Methodologies for Harvesting/Transferring Coral from within the Project Footprint". The names, credentials (documentation demonstrating expertise/experience in transplantation and monitoring of corals and octocorals) and contact information for the individuals who will conduct the coral transplantation shall be provided to the Department for review prior to the initiation of transplantation required by Specific Condition 13. The Department will provide written comments regarding any perceived deficits in qualifications or experience.

f. ***Pre-construction coral and octocoral survey results***. An assessment (resource survey) of scleractinians and octocorals within the upcoming phase project area (including the Pilot House revetment, the bulkhead, the seabed within 16.5 meters [54 feet] of the bulkhead, and the 150-meter mixing zone) shall be completed prior to the start of construction. Recent surveys conducted by the local sponsor, their contractors, or third parties may be submitted by the Permittee to meet this requirement. The Permittee shall provide the Department with the following information: a list of coral species and octocoral genera, estimates of numbers of corals by species (by genera for octocorals), and size classes and location coordinates for any coral species listed under the Endangered Species Act (ESA) and "Corals of Special Concern" present within the project area.

g. ***Receiver site survey results.*** An assessment of the coral receiver site (e.g., POM A, POM B, South Beach reef sites, Pilot House revetment area) shall be completed prior to each removal (for each phase) of coral colonies from the project area to evaluate if stony coral tissue loss disease (SCTLD) is present. Surveys conducted by the local sponsor, their contractors, or third parties may be submitted by the Permittee to meet this requirement. The Permittee shall provide the Department with the results of these surveys. If SCTLD is present, the Permittee shall coordinate with the Department to identify a different receiver site that is appropriate.

h. ***Confirmation of Mitigation Credit Purchase.*** Signed documentation from the Florida Power & Light (FPL) Everglades Mitigation Bank (EMB) confirming that the Permittee has purchased 1.5 Saltwater/Coastal mitigation credits from the EMB.

i. A **Watch Plan** detailing the proposal for observing protected marine species. This plan shall include:

   i. a list of all protected marine species observers associated with the project (their names, credentials, qualifications, contact information and a description of their observational experience (nighttime and daytime experience);

   ii. a description of where the observers will be located during work and how they will cover the areas required (the observers shall be in elevated positions, if possible, to maximize visibility and this description shall indicate the designated location of observers when tugboats and crew vessels are mooring to the dredge;

   iii. the length of work shifts for the observers;

   iv. the equipment used to aid in observation (recommend having a spotlight available to use if needed); and

   v. the equipment used to communicate with the dredge operator.

   Observers shall have on-the-job experience observing protected marine species, such as manatees and marine turtles, during major dredging projects.

j. ***Pre-Construction Conference.*** **After all items required by this specific condition (a through i above) have been submitted to the Department,** the Permittee shall conduct a pre-construction conference to review the specific conditions and monitoring requirements of this permit with the Permittee's contractors, the engineer of record, those responsible for turbidity monitoring, those responsible for protected species monitoring, staff representatives of the Fish and Wildlife Conservation Commission (FWC) and the JCP Compliance

Officer (or designated alternate) prior to each construction event. In order to ensure that appropriate representatives are available, at least twenty-one (21) days prior to the intended commencement date for the permitted construction, the Permittee is advised to contact the Department, and the other agency representatives listed below:

DEP, JCP Compliance Officer
e-mail: JCPCompliance@dep.state.fl.us

FWC Imperiled Species Management Section
e-mail: marineturtle@myfwc.com

FWC, Regional Biologist
Contact list: http://myfwc.com/conservation/you-conserve/wildlife/shorebirds/

The Permittee is also advised to schedule the pre-construction conference at least a week prior to the intended commencement date. At least seven (7) days in advance of the pre-construction conference, the Permittee shall provide written notification, advising the participants of the agreed-upon date, time and location of the meeting, and also provide a meeting agenda and a teleconference number.

If the actual construction start date is different from the expected start date proposed during the preconstruction conference, at least 48 hours prior to the commencement of each construction event, the Permittee shall ensure that notification is sent to the FWC, at marineturtle@myfwc.com, indicating the actual start date and the expected completion date. The Permittee shall also ensure that all contracted workers and observers are provided a copy of all permit conditions.

**SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES**

4. Construction within the waters of the Aquatic Preserve is limited to 365 days unless otherwise approved by the Department. If it appears that any open-water work will exceed 365 days and extend beyond the schedule provided as part of the pre-construction submittals in specific condition 3 a., the Permittee shall submit a request to the Department prior to the originally scheduled completion date, requesting an extension of the construction period. The request shall include a revised schedule, including the newly anticipated date of completion, and an explanation of all delays that necessitate the work extension. Transplantation of corals and octocorals from the project area shall be conducted prior to the beginning of construction and will not be counted as part of the 365-day construction limit.

5. Storing, stockpiling, or accessing equipment on, in, over, or through areas with benthic resources (including hardbottom) is prohibited unless it occurs within a work area or ingress / egress corridor that is specifically approved by this permit and is shown on the approved permit drawings. Anchoring or spudding of vessels and barges within areas

with benthic resources, including submerged aquatic vegetation or hardbottom, is also prohibited.

6. The Permittee shall immediately report any incident of unauthorized impact to wetlands, submerged aquatic vegetation or hardbottom communities to the Department and take immediate corrective action to avoid any further impacts. Within 30 days of any such event, the Permittee shall propose a remediation/mitigation plan, which shall be implemented immediately upon approval by the Department.

**Water Quality**

7. In association with General Condition No. 3 below, **BMPs** for controlling turbidity shall be utilized where appropriate and maintained at all times during project construction to minimize turbidity. At the dredge, BMPs may include, but not be limited to, turbidity curtains and an "environmental" (i.e., sealed) clamshell bucket. For in-water work, BMPs may include, but not be limited to, permanent bulkheads and additional turbidity barriers as required. Turbidity control devices shall be installed prior to the commencement of construction in any given area, or prior to commencement of the particular activity, and maintained daily to ensure integrity and functionality until post-construction clean-up of each work area has been completed, or until removal upon completion of the particular activity. Temporary turbidity barriers shall be made of material in which manatees or marine turtles cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee or marine turtle entanglement or entrapment. Turbidity control devices must not impede manatee or marine turtle movement. Turbidity barriers must be installed prior to any in-water construction that occurs within 150 meters of live scleractinian coral habitat.

8. Discharge such as dewatering or stormwater runoff into open surface waters of the state from any temporary dredged material containment area, is prohibited.

9. The maximum mixing zone for turbidity shall be a circle with a radius of 150 meters, originating from the source of the turbidity. In areas where permanent (e.g., bulkheads) or floating turbidity control devices are used to restrict turbidity plumes, the mixing zone shall end immediately outside of the barrier. Beyond the mixing zone, the turbidity standard shall be met during dredging, filling, installation of scour protection mats, transport, and the installation of caisson modules.

**MONITORING REQUIRED:**

10. **Turbidity monitoring** shall be conducted as described below:

    Units: Nephelometric Turbidity Units (NTUs).

    Frequency: During daylight hours, sampling shall be conducted three times daily, approximately four (4) hours apart during dredging or construction

activities that are within the open waters of the state, starting approximately 30 minutes following commencement of work, **while the highest project-related turbidity levels are crossing the edge of the mixing zone**. Since turbidity levels can be related to pumping rates, the dredge pumping rates shall be recorded, and provided to the Department upon request. The compliance samples and the corresponding background samples shall be collected at approximately the same time, i.e., background sample shall immediately follow the compliance sample.

Location: Sampling shall occur at surface (approximately one foot below the surface), mid-depth (for sites with depths greater than 6 feet), and bottom (approximately 6 feet above the bottom for sites with depths greater than 25 feet).

Background: Sampling shall occur at least 300m upcurrent from the project-generated turbidity source, and clearly outside the influence of any project-related turbidity plume or other turbidity plume.

Compliance: **Dredging:** Sampling shall occur at the edge of the 150-meter mixing zone, down current from the source of turbidity, within the densest portion of any visible turbidity plume.

**Construction/Demolition: For activities contained within a turbidity control device**, sampling shall occur at mid-depth, downcurrent from the project-related turbidity source, within the densest portion of any visible turbidity plume, immediately outside of the turbidity control device. Samples shall only be required if a turbidity plume is observed outside the limits of the turbidity control device.

If turbidity curtains or similar methodologies are used to protect corals in areas adjacent to the work site, turbidity and water temperature shall be monitored inside the barrier and outside the barrier twice daily at least 4 hours apart. Sampling shall be adequate to determine if the barriers are providing protection or are detrimental to protection of the coral colonies.

**Calibration**: The instruments used to measure turbidity shall be fully calibrated within one month of the commencement of the project, and at least once a month thereafter during project construction. Calibration with secondary standards shall be verified each morning prior to use, after each time the instrument is turned on, and after field sampling using two secondary turbidity "standards" that bracket the anticipated turbidity samples. If the post-sampling calibration value deviates more than 8% from the previous calibration value, results shall be reported as estimated and a description of the problem shall be included in the field notes.

Analysis of turbidity samples shall be performed in compliance with DEP-SOP-001/01 FT 1600 Field Measurement of Turbidity: http://publicfiles.dep.state.fl.us/dear/sas/sopdoc/2008sops/ft1600.pdf

If the turbidity monitoring protocol specified above prevents the collection of accurate data, the person in charge of the turbidity monitoring shall contact the JCP Compliance Officer to establish a more appropriate protocol. Once approved in writing by the Department, the new protocol shall be implemented through an administrative permit modification.

11. The **compliance** locations given above shall be considered the limits of the temporary mixing zone for turbidity allowed during construction. If monitoring reveals turbidity levels at the **compliance** sites are greater than 0 NTUs above the corresponding background turbidity levels, construction activities shall **cease immediately** and shall not resume until corrective measures have been taken and turbidity has returned to acceptable levels. Any such occurrence shall be immediately reported to the JCP Compliance Officer via email and copied to the DEP Southeast District Office. The subject line of the email shall state: "TURBIDITY EXCEEDANCE" and shall include the project name (PortMiami Cruise Berth 10) and the permit number (0181285-017-BI).

Any project-associated turbidity source other than dredging or berth construction / demolition (e.g., scow or pipeline leakage) shall be monitored as close to the source as possible. If the turbidity level exceeds 0 NTUs above background the construction activities related to the exceedance shall **cease immediately** and not resume until corrective measures have been taken and turbidity has returned to acceptable levels. This turbidity monitoring shall continue every hour until background turbidity levels are restored or until otherwise directed by the Department. The Permittee shall notify the Department, by separate email to the JCP Compliance Officer, of such an event within 24 hours of the time the Permittee first becomes aware of the discharge. The subject line of the email shall state "OTHER PROJECT-ASSOCIATED DISCHARGE, TURBIDITY EXCEEDANCE".

a. When reporting a turbidity exceedance, the following information shall be included:

i. Project Name (PortMiami Cruise Berth 10);

ii. Permit Number (0181285-017-BI);

iii. Location (shown on map with GPS coordinates);

iv. Level (NTUs above background) of the turbidity exceedance;

v. Time and date that the exceedance occurred; and

vi. Time and date that construction ceased.

b. Prior to re-commencing the construction, a report shall be emailed to the JCP Compliance Officer with the same information that was included in the "Exceedance Report", plus the following information:

i. Turbidity monitoring data collected during the shutdown documenting the decline in turbidity levels and achievement of acceptable levels;

ii. Corrective measures that were taken; and

iii. Cause of the exceedance.

12. **Turbidity Monitoring Reports**. All turbidity monitoring data shall be submitted within one week of analysis. The data shall be presented in tabular format, indicating the measured turbidity levels at the compliance sites for each depth, the corresponding background levels at each depth and the number of NTUs over background at each depth. Any exceedances of the turbidity standard (0 NTUs above background) shall be highlighted in the table. In addition to the raw and processed data, the reports shall also contain the following information:

a. Time of day samples were taken;

b. Dates of sampling and analysis;

c. GPS location of sample and source. *When possible, coordinates should be provided in decimal degrees with a 5-decimal level of precision (i.e., 0.00001). Please also indicate the datum*;

d. Depth of water body;

e. Depth of each sample;

f. Antecedent weather conditions, including wind direction and velocity;

g. Tidal stage and direction of flow;

h. Water temperature;

i. A geo-referenced map, overlaid on an aerial photograph, indicating the sampling locations (background and compliance), location of active construction, the visible plume pattern and direction of flow. The map shall also include the boundaries of any benthic resources or OFW. A sample map shall be submitted to and reviewed by the Department prior to construction (Specific Condition 4);

j. A statement describing the methods used in collection, handling, storage and analysis of the samples; and

k. A statement by the individual responsible for implementation of the sampling program concerning the authenticity, precision, limits of detection, calibration of the meter, accuracy of the data and precision of the GPS measurements.

l. When samples cannot be collected, include an explanation in the report. If unable to collect samples due to severe weather conditions, include a copy of a current weather report from a reliable, independent source, such as an online weather service.

Monitoring reports shall be submitted by email to the Department's JCP Compliance Officer. In the subject line of the reports, include the Project Name, Permit Number and the dates of the monitoring interval. Failure to submit reports in a timely manner constitutes grounds for revocation of the permit. When submitting this information to the Department's JCP Compliance Officer, on the cover page to the submittal and at the top of each page, please state: **"This information is provided in partial fulfillment of the monitoring requirements in Permit No. 0181285-017-BI, for the PortMiami Cruise Berth 10 Project"**

**MINIMIZATION**

13. **Coral relocation.** Scleractinian and octocoral colonies present within the project area shall be relocated to suitable locations outside the area under the influence of the project prior to construction. No construction work may take place until all required minimization related activities (coral colony relocations) have been completed. The Permittee shall adhere to the Department-approved **Coral Relocation Plan** (**CRP**) (dated January 2023), which is a binding part of this permit. The Permittee is responsible for ensuring that their selected contractor(s) / subcontractor(s) are knowledgeable of all permit conditions pertaining to coral relocation requirements (including the CRP); not just the scope of work in the contract prepared by the Permittee / contractor. The Permittee shall acquire written approval from the Department prior to implementing any revisions to the CRP. See the CRP for all specification and requirements.

**SPECIFIC CONDITIONS - PROTECTED MARINE SPECIES**

14. If the actual start date is different from the expected start date proposed during the preconstruction conference, at least 48 hours prior to the commencement of the dredging event, the Permittee shall ensure that notification is sent to the FWC indicating the actual start date and the expected completion date to marineturtle@myfwc.com. The Permittee shall also ensure that all contracted workers and observers are provided a copy of all permit conditions.

15. The Standard Manatee Construction Conditions for In-Water Work (2011) shall be followed for all in-water construction activities.

    a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with, and injury to manatees. The Permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees, which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

    b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels shall follow routes of deep water whenever possible.

    c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers shall not impede manatee movement.

    d. All on-site project personnel are responsible for observing water-related activities for the presence of manatees. All in-water operations, including vessels, shall be shutdown if a manatee comes within 50 feet of the operation. Activities shall not resume until every manatee has moved beyond the 50-foot radius of the project operation, or until 30 minutes has elapsed wherein a manatee has not reappeared within 50 feet of the operation. Animals shall not be herded away or harassed into leaving.

    e. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida.

    f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the Permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Please see the Florida Fish and Wildlife Conservation Commission website for information on how to obtain appropriate signs:
    http://www.myfwc.com/docs/WildlifeHabitats/Manatee_EducationalSign.pdf

16. The Permittee shall ensure that an observer(s) shall watch for protected marine species (manatees, marine turtles, dolphins, etc.) during all in-water work associated with dredging operations and riprap removal to ensure compliance with the stop work zone required in this authorization. All observers shall have prior on-the-job observation experience (including previous sightings of manatees) during previous dredging work where the activities were similar in nature to this project. The Permittee shall ensure that all observers are given a copy of the permit for the project, including all special conditions, prior to the commencement of construction. FWC guidelines regarding observers can be found at the following website: http://www.myfwc.com/wildlifehabitats/managed/manatee/watch-program/.

17. The Permittee/Contractor shall maintain a daily log that details sightings, collisions, or injuries to protected marine species (manatees and marine turtles). The logs shall also include the following project specific information: work itinerary; weather; work shutdown times; observer shift changes. In regard to manatee behavior, the observers shall also log time of observation; duration of sightings; estimated distance of animal from the dredge/equipment/vessel; animal behavior during the sighting (such as passing through, pausing in the vicinity of the project, interacting with the dredge, scows tugs, etc. attracted to running or dripping water); detection method; whether the dredge was operating at time of observation; and actions taken as a result of the sighting, collisions or injuries.

    A final report summarizing the logs shall be sent to FWC at ImperiledSpecies@myfwc.com no later than 30 days after demobilization of final project completion. The report shall include project name and permit number, names of observers and contact information.

18. To avoid impacts to protected marine species (manatees, dolphins, marine turtles, etc.) during **clamshell dredging**, the following conditions shall be followed:

    a. Open water dredging shall be conducted during daylight hours only.

    b. During clamshell operations, the dredge operator shall gravity-release the clamshell bucket only at the water's surface, and only after confirmation that there are no protected species within the 50-foot designated safety distance. The protected marine species observer shall notify the Contractor if protected marine species enter within the designated safety distance. Prior to lowering the dredge bucket to the water's surface, the water immediately below and adjacent to the bucket shall be scanned for the presence of protected marine species, and all dredging operations shall cease if a protected marine species is observed. Activities shall not resume until the protected marine species has moved beyond the immediate area of the project operation, or, if the protected marine species submerges, until 30 minutes elapses and the protected marine species has not reappeared within the immediate area of the operation.

19. To reduce the risk of a vessel crushing a manatee, the permittee shall install wharf fenders with appropriate materials to provide sufficient standoff space of at least four feet under maximum designed compression. Fenders or buoys providing a minimum standoff space of at least four feet under maximum designed compression shall also be utilized between two vessels that are moored together.

20. To reduce the risk of entrapment and drowning of manatees, manatee exclusion devices (such as grating) shall be installed and maintained over any existing or proposed pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are submerged or partially submerged and reasonably accessible to manatees. If horizontal or vertical bars are used, no more than 8-inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process and as a final design element to restrict manatee access.

21. While performing backfilling between the bulkheads, it is important to ensure that manatees or sea turtles do not become entrapped during sheet pile installation or gain access after the sheet pile has been installed and before filling work has been completed. The new bulkhead installation shall be completed only after a dedicated observer confirms that no manatees will be trapped in the area to be filled landward of the new bulkhead. If a manatee or sea turtle becomes entrapped, the area shall be opened up to allow the manatee or turtle to leave of its own volition. It shall not be herded or harassed into leaving the area.

22. Blasting is not authorized for this project. If the construction methodology changes in the future to include blasting, a modification to the permit is needed. Specific conditions must address impacts to protected marine species if blasting is proposed. Such conditions shall be in the form of an appropriate Blast and Watch Plan, approved by the Florida Fish and Wildlife Conservation Commission, which can be contacted at ImperiledSpecies@myfwc.com.

23. Vertical lines shall be made of material which manatees or marine turtles cannot become entangled. Lines that are not rigid in nature should be sleeved with PVC, hose, or other rigid material. Lines used in horizontal platforms must remain under tension or be sleeved to prevent entanglements. All lines shall be properly anchored or secured and shall be regularly monitored to avoid the entanglement of manatees or marine turtles.

    The vertical lines and horizontal structures should be monitored daily for the first two weeks immediately after deployment and weekly after the initial daily monitoring. All loose or broken lines must be repaired or removed at the time of inspection.

    All observations of marine turtles or manatees shall be included in the permittee's monitoring reports and the reports shall be provided to the FWC at ImperiledSpecies@MyFWC.com.

All injuries or entanglements of manatees or marine turtles shall be reported immediately to the FWC at 888-404-3922.

24. To avoid impacts to protected marine species (manatees, dolphins, marine turtles, etc.) during pile driving, the Permittee shall ensure that the following conditions are followed:

    a. All in-water pile driving activity shall be confined to daylight hours.

    b. Monitoring for protected marine species shall begin 30 minutes prior to pile driving and shall continue during pile driving and for 30 minutes after pile driving ends. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with FWC staff at ImperiledSpecies@MyFWC.com or 850-922-4330. Prior to re-commencing the pile driving activity, any additional conservation measures deemed necessary by FWC staff shall be implemented to minimize the risks to protected marine species.

    c. The Contractor shall implement a soft-start (ramp-up) measure during pile driving and removal, i.e., pile driving activities shall start with lower hammer energy levels, then gradually increase to the minimum energy level required for pile installation/removal.

    d. The Observer shall ensure that protected marine species do not become entrapped between the old and new bulkheads during sheet pile installation or gain access to the enclosure after the sheet pile has been installed. If a manatee or marine turtle becomes entrapped, the area shall be opened to allow the manatee or turtle to leave of its own volition. It shall not be herded or harassed into leaving the area. Back filling behind the new bulkhead shall not begin until assurance is provided from the observers that the area is free of protected marine species.

25. **Reporting.** If an injured or dead marine mammal or marine turtle is discovered in the vicinity of the project location while mobilized, the following shall occur:

    a. The Contractor shall **cease** all work and immediately notify the Permittee, and the Contractor/Permittee shall immediately notify the JCP Compliance Officer: JCPCompliance@dep.state.fl.us as well as the applicable agencies. The Contractor/Permittee shall maintain contact with the injured or dead animal to the greatest extent practicable until authorities (i.e., FWC and / or NMFS) arrive to retrieve the animal. Work shall not continue until the applicable wildlife agency has arrived on scene and recovered or rescued the animal.

        - FWC Wildlife Alert Hotline: 1-888-404-3922 and ImperiledSpecies@myfwc.com (manatees, marine turtles and whales)

        - NMFS Emergency Stranding Hotline: 1-877-433-8299 (marine turtles, whales and dolphins)

- STSSN: SeaTurtleStranding@myfwc.com

Details of the incident shall be sent to FWC at ImperiledSpecies@myfwc.com within 24 hours. Information shall include, but not be limited to: a narrative of the incident, photographs/videos of the incident and surrounding environment (if possible), a GPS point where the animal was discovered, names, titles and contact numbers of all personnel onsite at the time of the incident, and the name, title and contact number for the designated Port Authority representative. Additional information may be requested by FWC and telephone interviews may be required.

b. Preliminary assessments of the incident information by FWC and the Department may require that work temporarily cease upon notification and not resume until FWC can confirm that all permit conditions are being appropriately implemented. If needed, FWC will provide DEP and the Permittee any additional protection measures necessary to minimize future risks to protected marine species. The Department will determine whether or not a permit modification is required if substantial modifications to protective measures are requested by FWC.

26. Progress reports for the project shall be submitted to the Department beginning 90 days after commencement and shall continue to be submitted quarterly until construction of the permitted project is completed. The cover page shall indicate the permit number, project name and the Permittee/Agent's contact information. Progress reports must be submitted to the Department even if there is no ongoing construction. Reports shall include the current project status and the construction schedule for the following six months. In addition, the report shall include the following information:

a. The permit number (0181285-017-BI), project name (PortMiami Cruise Berth 10), reference to this Specific Condition and date permitted activity was begun; if work has not begun on-site, please indicate accordingly.

b. A brief description and extent of the work (e.g., percentage of dredging) completed since the previous report or since the permit was issued, including copies of the permit drawings showing those areas where work has been completed.

c. A brief description and extent of the work anticipated in the next three months. Indicate on copies of the permit drawings those areas where it is anticipated that work will be done.

d. On the first page of the report, just below the title, the certification of the following statement by the individual who supervised preparation of the report: "This report represents a true and accurate description of the activities conducted during the three-month period covered by this report."

## SPECIFIC CONDITIONS- CONSTRUCTION COMPLETION

27. Within 14 days after completion of construction of the permitted or authorized activity, the Permittee shall include a written statement of completion. The following information shall be included:

    a. The permit number (0181285-017-BI) and the project name (PortMiami Cruise Berth 10);

    b. The date on which construction activities began and the date of completion;

    c. A table identifying any violations of turbidity standards which occurred during dredging or disposal, the probable causes of the violations and corrective measures taken to reduce turbidity

28. Within 90 days after completion of construction of the permitted or authorized activity, and prior to transfer to operation, the Permittee shall submit an As-Built Survey signed, sealed and dated by a Florida licensed Surveyor and Mapper in accordance with Chapter 61G17-7, Florida Administrative Code. When the completed activity differs substantially from the permit drawings, any substantial deviations shall be noted and explained. Unless pre-authorized by the Department, any significant changes could be considered to be non-compliance with the permit.

## GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under chapter 62-330, F.A.C., except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the Permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase and shall be available for review at the work site upon request by the Agency staff. The Permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to construction and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State*

*of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the Permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," [October 1, 2013], which is incorporated by reference in paragraph 62-330.350(1)(d), F.A.C., indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.

5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the Permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the Permittee shall provide the following to the Agency, as applicable:

    a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

    b. For all other activities – "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].

    c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:

    a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the Permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

b. Within 30 days of submittal of the as-built certification, the Permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The Permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:

a. Convey to the Permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;

b. Convey to the Permittee or create in the Permittee any interest in real property;

c. Relieve the Permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or

d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the Permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the Permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The Permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The Permittee shall notify the Agency in writing:

a. Immediately if any previously submitted information is discovered to be inaccurate; and

b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial

subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the Permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The Permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately, and notification shall be provided in accordance with Section 872.05, F.S.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The Permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the Permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

## NOTICE OF RIGHTS

### FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

### Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

## EXECUTION AND CLERKING:

Executed in Tallahassee, Florida.
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Gregory W. Garis.
Program Administrator
Beaches, Inlets and Ports Program
Office of Resilience and Coastal Protection

**Attachments:**

1. Approved Permit Drawings (21 pages, 2021)
2. FWC Coral and Octocoral Mitigation Relocation Recommendations (2022)
3. Methodologies for Harvesting/Transferring Coral from within the Project Footprint (2022)

**CERTIFICATE OF SERVICE**
The undersigned duly designated deputy clerk hereby certifies that this permit and all attachments were sent on the filing date below.

**FILING AND ACKNOWLEDGMENT**
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Sandra K Rogers — 04/18/2023

**Clerk** **Date**