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CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

Memorandum

MIAMI-DADE COUNTY

Date: October 16, 2024

To: Honorable Chairman Oliver G. Gilbert III
and Members, Board of County Commissioners

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

Agenda Item No. 5(D)

Resolution No. R-916-24

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

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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 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 the Port of Miami, 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 (RER-DERM), would be responsible for monitoring the proposed permit.

Background

On February 7, 2017, the Board approved Resolution No. R-90-17, authorizing a 10-year Class I permit to the Miami-Dade County, through its Seaport Department (Seaport), for the realignment of the north shoreline of the Port of Miami. The approval authorized non-maintenance dredging and filling of tidal waters and excavation of the uplands in association with the installation of a new seawall along approximately 7,168 linear feet of the north shoreline.

The Seaport has requested a modification to the existing Class I Permit CLI-2016-0033 to modify the proposed seawall design from a sheetpile seawall to a caisson style seawall design. In order to install the proposed caissons, 375,000 square feet of submerged bottom would be required to be non-maintenance dredged to a depth of minus forty-three (-43) feet National Geodetic Vertical Datum and subsequently backfilled with 375,000 square feet of bedding stone to provide an appropriate base for the caissons. Additionally, 387,072 square feet of tidal waters would be filled landward of the proposed

caisson seawall. The new seawall would be installed approximately 65 feet waterward of the existing seawall and extend 7,168 linear feet along the northern shoreline of Port Miami within Berths 1 - 6. Additionally, riprap is proposed to be placed along the toe of the new seawall. The Seaport is also requesting authorization to maintenance dredge 10,000 square feet of submerged bottom to an elevation of minus thirty-seven (-37) feet National Geodetic Vertical Datum to facilitate mooring within the relocated berths. The proposed modification request is required to be heard and decided upon by the Board at a public hearing because the additional scope of work would result in a substantial change to the project due to the non-maintenance dredging and filling that are being proposed for this project.

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 existing seawalls within the project area have reached the end of their design life expectancy and are in need of replacement. Traditional construction methods of driving sheetpiles cannot occur due to existing site conditions, particularly the project area's proximity to the Port tunnel. Based on the constraints of the existing conditions, the Seaport is proposing to modify the Class I Permit to install a caisson style seawall. The proposed dredging and filling work is necessary to allow for the installation of the proposed caisson style seawall and therefore complies with the criteria listed in section 24-48.3(2)(f) because it is a physical modification necessary to protect public or private property. Additionally, the project also complies with section 24-48.3(2)(c) as the newly installed seawall would facilitate the mooring of cruise ships within the relocated berths and is therefore the minimum dredging and filling 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. Section 24-48.4 of the Code also requires mitigation for permittable projects that otherwise result in unavoidable adverse environmental impacts. The submerged bottom located within the area included as part of the subject modification request consists of limerock overlaid by accumulated sediment and is not providing significant benthic habitat. While the existing seawall does support benthic resources, including corals, mitigation to offset the permittable impacts to said resources has been satisfied under the original Class I permit. Mitigation for the filling of tidal waters and temporary impacts to water quality associated with the installation of the seawall, the non-maintenance dredging, and the filling of tidal waters, that has not already been mitigated under the original Class I permit, would be satisfied through the placement of riprap on an artificial reef site. The modification to the Class I permit would include conditions for the deployment and monitoring of the riprap material on the artificial reef site. Any portion of the required mitigation that cannot be accommodated through the artificial reef site would be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund. Furthermore, the proposed work is not reasonably expected to result in cumulative environmental impacts to water quality. Any temporary water quality impacts would be minimized through the

implementation of proper turbidity controls throughout construction operations to ensure that State and County water quality standards are met.

Please find attached a DERM Project Report which sets forth the reasons the proposed project is recommended for approval by DERM pursuant to the applicable evaluation factors and criteria as set forth in Section 24-48.3 of the Code. The conditions, limitations, and restrictions set forth in the Project Report attached hereto are incorporated herein by references hereto.

Attachments

Attachment A: Class I Permit Modification Application
Attachment B: Owner/Agent Letter, Engineer Letter and Project Sketches
Attachment C: DERM Project Report
Attachment D: Florida Department of Environmental Protection (FDEP) Environmental Resource Permit

Attachment A

Class I Permit Application

Class I Permit Application

FOR DEPARTMENTAL USE ONLY	
Date Received: January 22, 2016	**Application Number: CLI-2016-0033** **Application Fee: $28,750.00**

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

1. Applicant Information:

Name: Miami - Dade County

Address: 111 NW 1st Street

Miami, Florida Zip Code: 33128

Phone #: (305) 347-4972 Fax#: _____

Email: _____

*** 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: Atkins North America, Inc.

Address: 7406 Fullerton Street, Suite 350

Jacksonville, Florida Zip Code: 32256

Phone #: (904) 363-6100 Fax #: (904) 363-8442

Email: Don.Deis@atkinsglobal.com

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

Folio #(s): 01-4205-000-0010 Latitude: 25° 46' 21"N Longitude: 80° 10' 26"W

Street Address: Port of Miami Harbor Section: 37 Township: 54S Range: 42E

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):

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

☐ Other: _____

Estimated project cost = $ 50,000,000.00

Are you seeking an after-the-fact approval (ATF)? ☐ Yes X No If "Yes", describe the ATF work: _____

5. Proposed Use (check all that apply):

- ☐ Single Family
- ☐ Multi-Family
- ☐ Private
- X 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 Ships (existing usage)

Vessel Make/Model (If known): Varies

Draft (s)(range in inches.): Varies Length (s)(range in feet.): Varies

Total Number of Slips: existing

7. List all permits or certifications that have been applied for or obtained for the above referenced work:

Issuing Agency	Type of Approval	Identification Number	Application Date	Approval Date

8. Contractor Information (If known):

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

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

_____ _____ _____ _____
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 __Miami – Dade County_____ 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.)

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

111 NW 1st Street, Miami, FL 33128
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
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

Attachment B

Agent Letter, Engineer Letter, and Project Sketches

PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT

05/05/2023

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-2016-0033

By the attached Class I Standard Form permit application with supporting documents, I, Donald R. Deis, am the permit applicant's authorized agent, and hereby request permission to perform the work associated with Class I Permit Application CLI-2016-0033. 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,

Atkins

Donald R. Deis, CEP
Authorized Agent

Cc: Becky Hope, PortMiami

ENGINEER LETTER OF CERTIFICATION

05/05/2023

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-2016-0033

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, P.E. #72978

PORTMIAMI
WORK ORDER No. 08
PERMIT SET
REALIGNMENT NORTH CRUISE BERTHS 1-6
1080 CARIBBEAN WAY, MIAMI, FL 33132
PROJECT NO. 2018-005
AUGUST 2021

PORTMIAMI

MIAMI-DADE COUNTY
Delivering Excellence Every Day

Honorable Daniella Levine Cava
Mayor

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Honorable Oliver G. Gilbert, III, Vice Chairman
District 1

Honorable Oliver G. Gilbert, III
District 1

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Honorable Eileen Higgins
District 5

Honorable Rebeca Sosa
District 6

Honorable Raquel A. Regalado
District 7

Honorable Danielle Cohen Higgins
District 8

Honorable Kionne L. McGhee
District 9

Honorable Javier D. Souto
District 10

Honorable Joe A. Martinez
District 11

Honorable Jose "Pepe" Diaz
District 12

Honorable René Garcia
District 13

Juan M. Kuryla, PPM
Port Director & CEO

DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
05/31/2023

ATKINS
Member of SNC-Lavalin Group

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
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Phone: 305-666-3563

PREMIERE DESIGN SOLUTIONS, Inc.
12781 Miramar Pkwy, Suite 205
Miramar, Florida 33027
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PMM Consulting Engineers, Corp.
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MDC011

UPDATED 05/31/2023

NOTES:

THESE PLANS REFLECT THE FOLLOWING CHANGES TO THE PLANS SUBMITTED AND REVISED ON AUGUST 11, 2016:

- PHASE 3 - BERTH 7 EXTENSION HAS BEEN REDUCED FROM 178 FEET TO 54 FEET.
- PHASE 4 - BERTHS 1-6 HAVE BEEN BEEN EXTENDED BY A TOTAL OF 40 FEET TO THE WESTERN END OF BERTH 1.
- THE CUT AND FILL QUANTITIES IN THE TABLES ON THIS SHEET REFLECT THESE CHANGES.
- MAINTENANCE DREDGING AREAS REFLECT AREAS THAT HAVE BEEN PREVIOUSLY DREDGED AND RECORDED THROUGH BATHYMETRIC SURVEY AS BEING DREDGED TO THE PLANNED DEPTH. (SEE USACE SURVEYS FROM 2006 AND 2011)
- THE TOTAL LENGTH OF PROPOSED BULKHEAD FOR BERTH 1-6 INCLUDES 7,128' OF EXISTING LENGTH, 40' OF BERTH 1 EXTENSION TO THE WEST AND 54' OF BULKHEAD RETURN WALL AT WESTERN END OF BERTH 1, FOR A GRAND TOTAL OF 7,222'. THIS VALUE IS SHOWN IN THE PROPOSED 2021 QUANTITIES BY PHASE TABLE SHOWN ON SHEET G-001 FOR BULKHEAD LENGTH FOR PHASE 3+4 - BERTHS 1-6, FOR A TOTAL REDUCTION OF 137' OF BULKHEAD TOTAL LENGTH FROM PROPOSED 2016 QUANTITIES TABLE.
- A PORTION OF PROPOSED MITIGATION FOR NORTH CRUISE BERTHS 1-6 INCLUDES THE PLACEMENT OF A MINIMUM OF 7,222 CUBIC YARDS OF RIP RAP ALONG THE TOE OF THE NEW BULKHEAD (1 CUBIC YARD FOR EACH LINEAR FOOT OF BULKHEAD, MINIMUM).
- PRECAST INTERLOCKING ARMOR UNITS, SUCH AS TETRAPOD OR SIMILAR UNITS, IS PROPOSED TO BE USED AS TOE PROTECTION TO PREVENT MOVEMENT DURING PROP THRUST. EACH SINGLE TETRAPOD UNIT USED FOR TOE PROTECTION USED SHALL BE GREATER THAN OR EQUAL TO A 3-FOOT DIAMETER STONE TO MEET MINIMUM QUANTITY OF PROPOSED MITIGATION FOR THE PROJECT. A MINIMUM OF 7,222 CUBIC YARDS OF PRECAST INTERLOCKING ARMOR UNITS SHALL BE PLACED TO MEET MITIGATION REQUIREMENTS (MINIMUM OF 27 SQ FEET PER LINEAR FOOT OF BULKHEAD)

QUANTITIES BY PHASE

PHASE 1 - BERTH 7	EXISTING	PROPOSED 2016
BULKHEAD LENGTH*	1,468 FT	1,690 FT
FENDERS	23 EACH	23 EACH
MOORING BOLLARDS	22 EACH	25 EACH
FILLED SUBMERGED LANDS	N/A	4,455 FT^2
SUBMERGED LANDS CREATE	N/A	144,000 FT^2
NEW DREDGE SURFACE AREA	N/A	42,000 FT^2
MAINTENANCE DREDGE SURFACE AREA**	N/A	2,000 FT^2

PHASE 2 - BERTH 8	EXISTING	PROPOSED 2016	PERMITTED
BULKHEAD LENGTH*	0 FT	1,723 FT	1,460 FT
FENDERS	0 EACH	23 EACH	23 EACH
MOORING BOLLARDS	0 EACH	22 EACH	22 EACH
FILLED SUBMERGED LANDS	N/A	0	0
SUBMERGED LANDS CREATE	N/A	290,000 FT^2	171,000 FT^2
NEW DREDGE SURFACE AREA	N/A	126,500 FT^2	230,000 FT^2
MAINTENANCE DREDGE SURFACE AREA**	N/A	0	0

PHASE 3 + 4 - BERTHS 1-6	EXISTING	PROPOSED 2016	PROPOSED 2023
BULKHEAD LENGTH	7,128 FT	7,359 FT	7,168 FT
RETURN WALL LENGTHS	0 FT	54 FT	54 FT
FENDERS	60 EACH	110 EACH	72 EACH
MOORING BOLLARDS	110 EACH	114 EACH	120 EACH
FILLED SUBMERGED LANDS	N/A	421,100 FT^2	387,072 FT^2
SUBMERGED LANDS CREATE	N/A	0	0
NEW DREDGE SURFACE AREA	N/A	0	385,000 FT^2
MAINTENANCE DREDGE SURFACE AREA**	N/A	8,000 FT^2	10,000 FT^2
NON-MAINTENANCE DREDGE AREA***	N/A	0	375,000 FT^2
NON-MAINTENANCE DREDGE VOLUME***	N/A	0	100,000 CY

* BULKHEAD LENGTHS IN THE ABOVE PHASE 1 AND PHASE 2 TABLES REPRESENT TOTAL BULKHEAD LENGTHS INCLUDING END RETURN WALLS.
** MAINTENANCE DREDGE AREAS WERE PREVIOUSLY DREDGED BY USCOE.
*** NON-MAINTENANCE DREDGE AREA AND VOLUME INDICATE REMOVAL OF LIMESTONE TO CREATE BEDDING PREPARATION FOR CAISSON UNITS.

DISCIPLINE DESIGNATOR

G	GENERAL
SU	SURVEY
EX	EXISTING SITE
D	DEMOLITION
S	STRUCTURAL
SB	SOIL BORING
SD	STRUCTURAL STANDARD DETAILS
C	CIVIL

INDEX OF DRAWINGS

DRAWING NO	SHEET NAME
C-000	COVER SHEET
G-001	INDEX OF DRAWINGS
G-002	EXISTING SITE LOCATION PLAN
G-003	GENERAL NOTES
G-004	PROPOSED WORK AREA PLAN
G-101	CONCEPTUAL PERMIT (2016)
G-102	FINAL PERMIT (2021)
EX-100	OVERALL EXISTING CONDITIONS PLAN
D-100	OVERALL DEMOLITION PLAN
D-101	ENLARGED DEMOLITION PLANS
D-102	ENLARGED DEMOLITION PLANS
D-103	ENLARGED DEMOLITION PLANS
D-104	ENLARGED DEMOLITION PLANS
D-105	ENLARGED DEMOLITION PLANS
D-106	ENLARGED DEMOLITION PLANS
D-107	ENLARGED DEMOLITION PLANS
D-108	ENLARGED DEMOLITION PLANS
D-109	ENLARGED DEMOLITION PLANS
D-110	ENLARGED DEMOLITION PLANS
D-111	ENLARGED DEMOLITION PLANS
D-112	ENLARGED DEMOLITION PLANS
D-113	ENLARGED DEMOLITION PLANS
D-114	ENLARGED DEMOLITION PLANS
DR-101	OVERALL DREDGE PLAN - 1
DR-102	OVERALL DREDGE PLAN - 2
DR-103	OVERALL DREDGE PLAN - 3
S-100	OVERALL MARINE STRUCTURAL PLAN
S-201	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-202	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-203	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-204	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-205	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-206	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-207	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-208	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-209	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-210	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-211	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-212	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-213	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-214	ENLARGED MARINE STRUCTURAL UPPER PLANS
S-300	TYPICAL SECTION - PROPOSED
S-402	TYPICAL FENDER DETAILS
S-403	TYPICAL CURB AND MANATEE GRATE DETAILS
C-201	PAVING GRADING AND DRAINAGE PLAN A
C-202	PAVING GRADING AND DRAINAGE PLAN B
C-203	PAVING GRADING AND DRAINAGE PLAN C
C-204	PAVING GRADING AND DRAINAGE PLAN D
C-205	PAVING GRADING AND DRAINAGE PLAN E
C-206	PAVING GRADING AND DRAINAGE PLAN F
C-207	PAVING GRADING AND DRAINAGE PLAN G
C-208	PAVING GRADING AND DRAINAGE PLAN H
C-209	PAVING GRADING AND DRAINAGE PLAN I
C-210	PAVING GRADING AND DRAINAGE PLAN J
C-211	PAVING GRADING AND DRAINAGE PLAN K
C-212	PAVING GRADING AND DRAINAGE PLAN L
C-213	PAVING GRADING AND DRAINAGE PLAN M
C-214	PAVING GRADING AND DRAINAGE PLAN N
C-501	GENERAL EXFILTRATION TRENCH SECTION
C-502	DRAINAGE WELL/CONTROL STRUCTURE SECTION
C-503	OUTFALL PIPE SECTION
C-504	WATERMAIN TAPPING CONNECTION
C-505	WATERMAIN TAPPING CONNECTION

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: INDEX OF DRAWINGS

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
05/31/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME: -

DATE: 07-02-21 | SCALE: AS NOTED

SHEET G-001

DWG. No. X of XX

May 31, 2023 - 12:02pm DEAB6952 K:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami - E18-SEA-01\Projects\WO08 - Design Drawings - 30 Pct\02 Marine\Permit\ G-001 INDEX OF DRAWINGS-rev7.dwg
MDC012

EXISTING SITE LOCATION PLAN

SCALE: 1" = 500'

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

PORTMIAMI

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

EXISTING SITE LOCATION PLAN

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD

DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER

03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME:

DATE: 07-02-21 SCALE: AS NOTED

SHEET G-002

DWG. No. X of XX

MDC013

Jan 17, 2022 – 1:00pm DEAB6952 \\wsatkins.com\Project\USTLB\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Phase 1 Proposal NCB 1-6\06 Drawings – 30 Pct\02 Marine\Permit\ G-002 LOCATION PLAN-rev1.dwg

THESE NOTES HAVE BEEN DEVELOPED CONSISTENT WITH THE REQUIREMENTS OF A 10 PERCENT DESIGN DEVELOPMENT SET.

DRAWINGS SHOW BERTHS 1 THROUGH 6 AND BERTH 7 AND H. BERTHS 7 AND H ARE NOT PART OF THIS CONTRACT AND SHOWN FOR INFORMATION ONLY.

GENERAL:

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THESE GENERAL NOTES. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE DRAWINGS AND THE PROJECT SPECIFICATIONS.

2. THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND THE WORK TO BE PERFORMED AND NOTIFY THE PROJECT REPRESENTATIVE IN WRITING OF ANY SIGNIFICANT DISCREPANCIES IN EITHER DIMENSIONS AND/OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AREAS UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND SUBSEQUENTLY APPROVED BY THE PROJECT REPRESENTATIVE.

3. THE CONTRACTOR SHALL ANTICIPATE TIDAL FLUCTUATIONS AND CURRENTS, WAVES, VESSEL WAKES, WIND, RAIN AND ALL OTHER CONDITIONS COMMON TO THE AREA AND TO AN ACTIVE MAJOR SEAPORT DURING THE COURSE OF THE WORK.

4. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY WARNING SIGNS, BARRIERS, LIGHTS, AND SIGNALS AS REQUIRED BY PORTMIAMI SAFETY OFFICE AND AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE PROJECT REPRESENTATIVE TO ADEQUATELY WARN THE PUBLIC AGAINST THE DANGERS OF AN ACTIVE CONSTRUCTION SITE. PROJECT IDENTIFICATION SIGNS SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR AS DIRECTED.

5. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURES INCLUDING BUT NOT LIMITED TO; STEEL SHEET PILE BULKHEADS, DOCK FENDERS, BOLLARDS AND MOORING HARDWARE, ABOVE AND BELOW GROUND UTILITIES, AND ALL OTHER ELEMENTS THAT ARE TO REMAIN DURING AND AFTER CONSTRUCTION IS COMPLETED.

6. THE CORAL RELOCATION CANNOT BEGIN UNTIL DERM, FDEP, AND DOA PERMITS ARE ISSUED. REFER TO SECTION 01 11 00.

7. THE CORAL RELOCATION CONTRACTOR FOR BERTH 1 - 6 WILL BE REQUIRED TO OBTAIN A SPECIAL ACTIVITY LICENSE FROM THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION.

8. THE CONTRACTOR SHALL COORDINATE WORK SCHEDULE REQUIREMENTS WITH PORT.

PERMIT CONDITIONS:

1. THE CONTRACTOR SHALL COMPLY WITH THE AIR AND WATER QUALITY REQUIREMENTS DESCRIBED IN THE TERMS AND CONDITIONS OF THE REGULATORY PERMITS ISSUED BY COUNTY, STATE AND FEDERAL AGENCIES AS WELL AS, LOCAL BUILDING AUTHORITIES FOR THIS PROJECT.

2. THE CONTRACTOR SHALL DEPLOY AND MAINTAIN TURBIDITY CONTROL DEVICES INCLUDING FLOATATION CURTAINS AS MAY BE REQUIRED BY THE REGULATORY PERMITS ISSUED FOR THIS PROJECT.

3. CONTRACTOR SHALL ABIDE BY ALL TERMS OF ENVIRONMENTAL PERMITS PERTAINING TO PERFORMANCE OF WORK:

   - BERTHS 1-9 - RER CLASS I PERMIT NO. CLI-2016-003 EXPIRES 06/05/2027 (BOC RESOLUTION NO. R-90-17 APPROVED A 10-YEAR AUTHORIZATION FOR THE NORTH BULKHEAD REPLACEMENT SUBJECT TO ADMINISTRATIVE PERMIT MODIFICATIONS FOR EACH PHASE OF CONSTRUCTION) MODIFICATIONS FOR BERTHS 1-6 IN PROGRESS
   - BERTHS 1-8 - FDEP CONCEPTUAL PERMIT NO. 0181285-BC EXPIRES 01/26/2037 ENVIRONMENTAL RESOURCE PERMIT FOR BERTHS 1-6 APPLICATION IN PROGRESS
   - BERTHS 1-10 AND H - USACE PERMIT NO. SAJ -2006-06547 EXPIRES 5/31/2027

4. REFER TO PROJECT SPECIFICATIONS.

CHANNEL AND WATERWAY WORK CONSTRAINTS:

1. THE PROJECT SITE IS LOCATED WITHIN AN ACTIVE CRUISE SHIP BERTHING ZONE. SERVICE TO CRUISE SHIPS AND ACCESS TO THE CRUISE TERMINAL SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

2. CRUISE OPERATIONS SHALL TAKE PRIORITY OVER CONSTRUCTION ACTIVITIES. NO WORK SHALL BE PERFORMED ADJACENT (WITHIN 50 FEET) TO ANY CRUISE SHIP AT BERTH.

3. CONTRACTOR SHALL NOT OBSTRUCT SHIP TRAFFIC IN AND OUT OF PORTMIAMI OR BOAT TRAFFIC IN AND OUT OF BISCAYNE BAY OR THE INTRACOASTAL WATERWAY AND THE OCEAN BY WAY OF THE NORTH SHIP CHANNEL.

4. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH UNITED STATES COAST GUARD.

COORDINATION:

1. THE CONTRACTOR SHALL ANTICIPATE THE ARRIVAL AND DEPARTURE OF CRUISE SHIPS, FUEL BUNKER BARGES, AND TUG BOATS DURING THE COURSE AND WITHIN PROXIMITY OF THE WORK. THE CONTRACTOR SHALL FULLY COORDINATE HIS WORK WITH PORTMIAMI CRUISE OPERATIONS AND BERTHING OFFICE AS WELL AS THE PORTMIAMI SAFETY OFFICE.

2. CONTRACTOR TO PROVIDE AND OBTAIN APPROVAL FROM THE PORT FOR THE MAINTENANCE OF TRAFFIC DURING CONSTRUCTION BASED ON FDOT GUIDELINES.

3. CONTRACTOR SHALL COORDINATE WITH CONSTRUCTION CONTRACTOR FOR ALL CRUISE TERMINALS TO ENSURE THERE IS NO CONFLICT WITH WORK SCHEDULES AND LOCATIONS.

4. CONTRACTOR IS RESPONSIBLE FOR PROCESSING ALL EMPLOYEES THROUGH THE SEAPORT SECURITY DEPARTMENT, FOR OBTAINING POM SECURITY BADGES AND TWIC SECURITY BADGES.

CODES:

1. FLORIDA BUILDING CODE, LATEST EDITION AND LOCAL AMENDMENTS.

ELEVATIONS:

1. ALL ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

PROJECT TIDAL ELEVATIONS:

1.	MHHW	EL.=	+ 1.78
2.	MHW	EL. =	+ 1.72
3.	MSL	EL. =	+ 0.69
4.	MTL	EL. =	+ 0.71
5.	MLW	EL. =	- 0.30
6.	MLLW	EL. =	- 0.41

SOURCE: NOAA TIDE STATION NO.8723214 LOCATED ON THE NORTH SHORE OF VIRGINIA KEY, MIAMI-DADE COUNTY. ELEVATIONS ARE IN FEET AND REFERENCED TO NGVD29.

COORDINATES:

1. GRID COORDINATES SHOWN ARE IN FEET, AND ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, ADJUSTMENT OF 1990 (NAD83\90)

DIMENSIONS:

1. ALL DIMENSIONS, ELEVATIONS AND WATER DEPTHS SHOWN ON THE DRAWINGS REQUIRE ACCURATE FIELD MEASUREMENT AND CONFIRMATION BY THE CONTRACTOR.

DEMOLITION:

1. REMOVE AND PROPERLY DISPOSE OF EXCAVATED MATERIAL AND MISCELLANEOUS STRUCTURES, INCLUDING UTILITIES ABOVE GROUND,UNDERWATER AND/OR UNDERGROUND, AS REQUIRED TO COMPLETE THE NEW WORK AND AS OTHERWISE DIRECTED.

2. THE EXISTING ASPHALT AND CONCRETE SHALL BE REMOVED AS NECESSARY TO FACILITATE NEW CONSTRUCTION.

3. THE EXISTING BOLLARDS SHALL BE REMOVED AND THEIR CAPS SHALL BE SAW CUT TO FACILITATE THE NEW CONSTRUCTION. THE BOLLARD SUPPORTING FOUNDATIONS SHALL REMAIN IN PLACE AND SHOULD NOT BE REMOVED UNLESS THEY INTERFERE WITH NEW CONSTRUCTION.

4. THE SEABED FLOOR SHALL PLACED AND BE LEVELED AS PER THE CROSS SECTION SHOWN ON SHEET, S-300.

5. THE EXISTING UTILITIES, PAVEMENT, STORMWATER MANHOLES AND OTHER STRUCTURES WITHIN THE DEMOLITION LIMITS SHALL BE REMOVED AS NECESSARY TO FACILITATE NEW CONSTRUCTION.

6. EXISTING CONCRETE SLAB FROM RELIEVING PLATFORM AND PBB CONCRETE RUNWAYS SHALL BE REMOVED AND DISPOSED OF. PILES SHALL BE CUT OFF TO MINIMUM EL(+)4.0.

7. CONTRACTOR WILL BE REQUIRED TO ESTABLISH TEMPORARY FENCING FOR SECURITY.

GROUND IMPROVEMENTS:

1. GROUND IMPROVEMENT SHALL BE PERFORMED UNDER THE EXISTING APRON AS SHOWN.

UTILITIES:

1. THE CONTRACTOR SHALL CONTACT AND NOTIFY ALL UTILITIES AND AGENCIES HAVING JURISDICTION TO VERIFY THE LOCATIONS OF SUBSURFACE FACILITIES 72 HOURS PRIOR TO THE START OF ANY TRENCHING, EXCAVATION, SOIL BORINGS AND/OR UNDERGROUND EXPLORATIONS. SUNSHINE STATE ONE CALL 1-800-432-4770 AND NOTIFY PORTMIAMI MAINTENANCE FOR LOCATION OF PRIVATE UTILITIES.

UTILITY COMPANY CONTACT NUMBER

- 811 SUNSHINE 811 OR 800-432-4770
- AT&T 305-222-8745
- FP&L, DISTRIBUTION 305-442-5290
- MIAMI-DADE WASD 788-268-5255
- PORTMIAMI, UTILITIES 305-347-4802

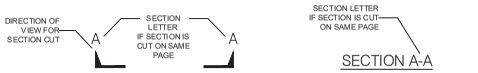
MISCELLANEOUS:

1. RIP RAP FOR TOE PROTECTION OF CAISSONS SHALL BE 3-FOOT DIAMETER STONE SECURED ALONG TOE, TYPICAL.

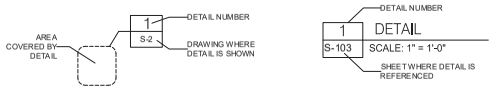
ABBREVIATIONS:

Ø - DIAMETER
ALT. - ALTERNATE
B/ - BOTTOM
BOT - BOTTOM
BLDG. - BUILDING
COV. - COVER
CT - CRUISE TERMINAL
℄ - CENTER LINE
CONC. - CONCRETE
CIP - CAST IN PLACE
CJ - CONSTRUCTION JOINT
CLR. - CLEAR COVER
DET.(S) - DETAIL(S)
DIA. - DIAMETER
DIR. - DIRECTION
DWGS. - DRAWINGS
EA. - EACH
EF - EACH FACE
EW - EACH WAY
EL. - ELEVATION
EOR - ENGINEER OF RECORD
EQ. SP. - EQUAL SPACED
EJ - EXPANSION JOINT
EXIST. - EXISTING
FIN. GR. - FINISH GRADE
FPL - FLORIDA POWER & LIGHT
GALV. - GALVANIZED
HP - HIGH POINT
LP - LOW POINT
MAX. - MAXIMUM
MIN. - MINIMUM
MSRC - MARINE SPILL RESPONSE CORP.
NTS - NOT TO SCALE
O.C. - ON CENTER
PL - PLATE
PSF - POUND PER SQUARE FOOT
PSI - POUND PER SQUARE INCH
REF. - REFERENCE
REQ'D. - REQUIRED
SECT. - SECTION
SFCT - SOUTH FLORIDA CONTAINER TERMINAL
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

PORTMIAMI

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: GENERAL NOTES

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME:

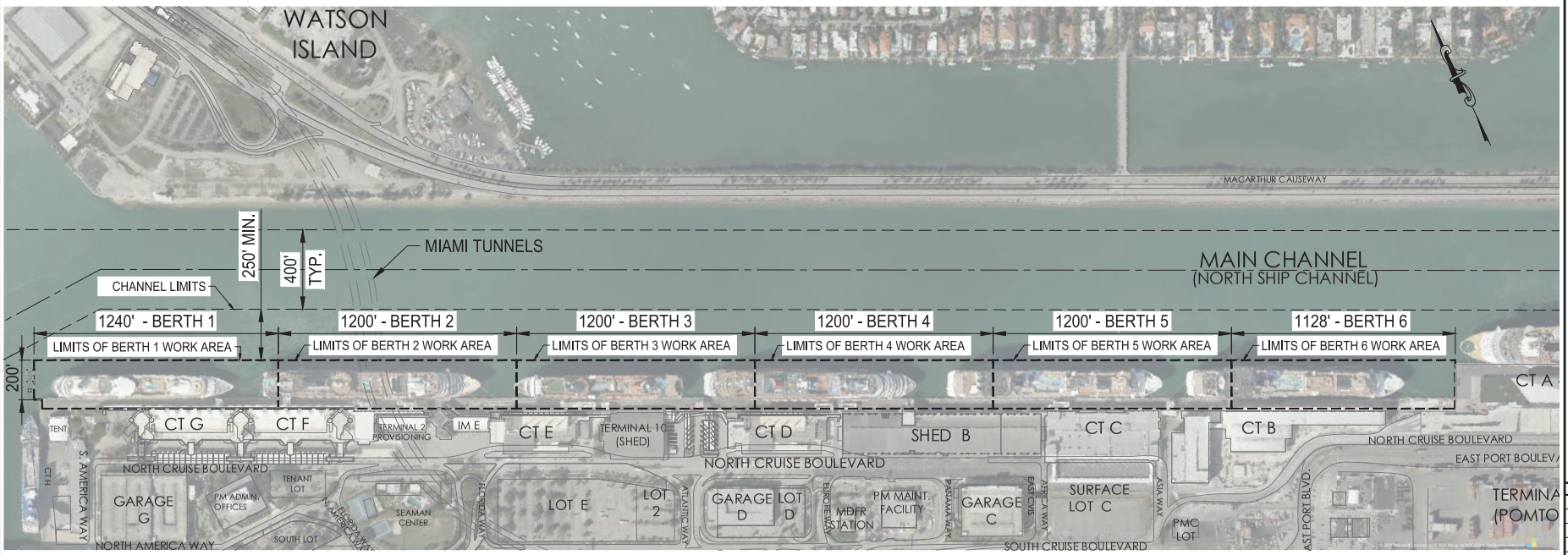
DATE: 07-09-21 | SCALE: AS NOTED

SHEET G-003

DWG. No. - of XX

Jul 02, 2021 – 12:10pm STEW2100 G:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#08 – Design Criteria\Permit\ 30 Pct\02 Marine\Permit\ G-003 GENERAL NOTES.dwg

MDC014



PROPOSED WORK AREA PLAN

SCALE: 1" = 250'

NOTES:

1. THE PROPOSED WORK AREA PLAN SHOWS THE LIMITS OF ESTIMATED WORK PERIMETER AND TURBIDITY CONTROLS FOR CONSTRUCTION OF EACH BERTH OF THE PROJECT. NOTE, THESE LIMITS ARE NOT THE LIMITS OF THE PROJECT BUILD-OUT, THESE ARE PROPOSED TEMPORARY WORK AREA LIMITS ONLY.

0 250' 500'
SCALE: 1" = 250'

PORTMIAMI

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: PROPOSED WORK AREA PLAN

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PERMIT	07/09/2021	-

REVISIONS

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ATKINS
ENGINEER OF RECORD

DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME: -

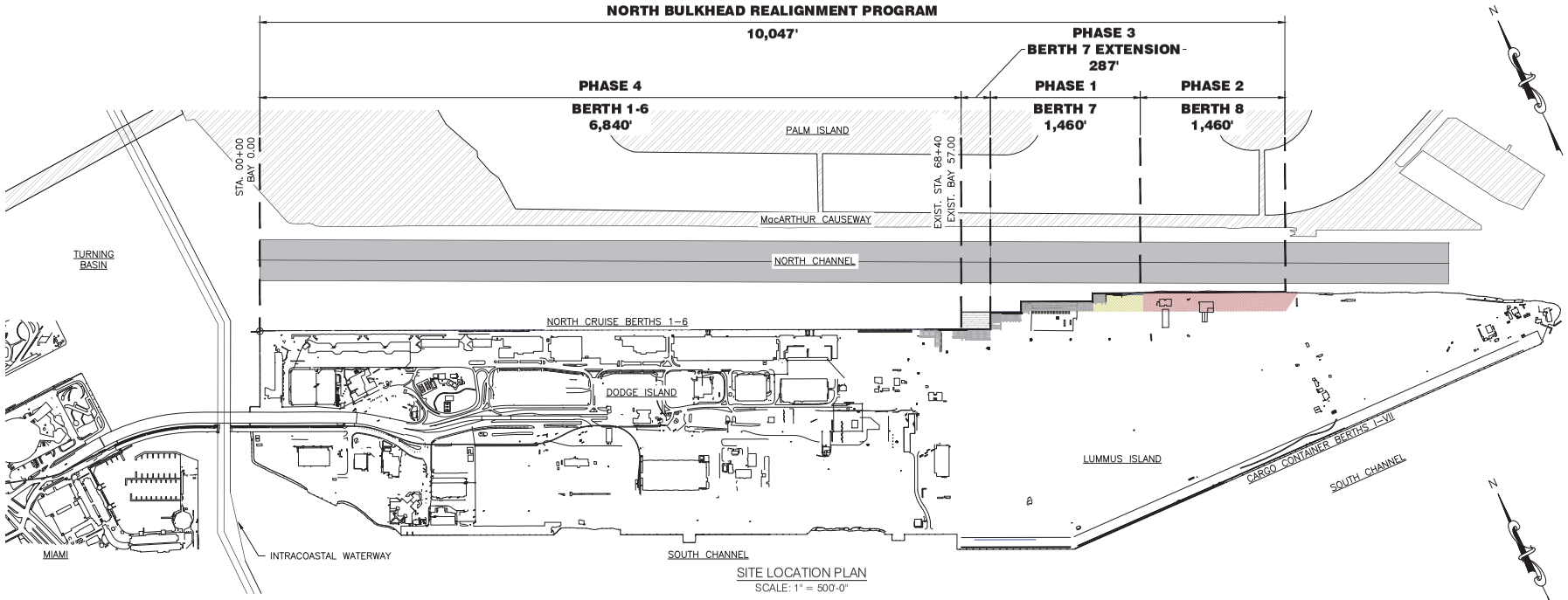
DATE: 07-02-21 | SCALE: AS NOTED

SHEET G-004

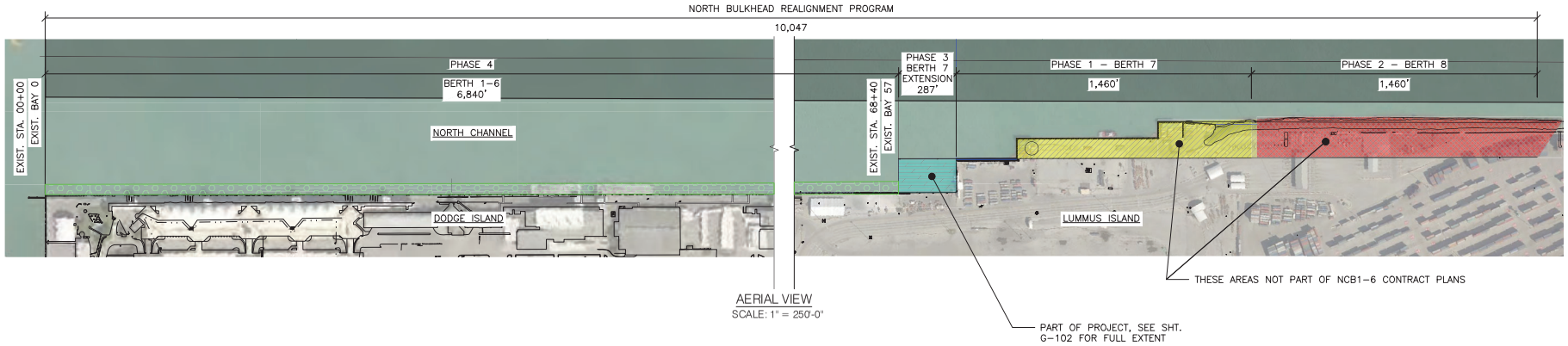
DWG. No. X of XX

MD0015

Jan 17, 2022 – 12:41pm DEA86952 \\wsatlns.com\Project\USTLB\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Phase 1 Proposal NCB 1-6\06 Drawings – 30 Pct\02 Marine\Permit\ G-004 WORK AREA PLAN-rev1.dwg



SITE LOCATION PLAN
SCALE: 1" = 500'-0"



AERIAL VIEW
SCALE: 1" = 250'-0"

0 250' 500'
SCALE: 1" = 250'

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

PORTMIAMI

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

CONCEPTUAL PERMIT (2016)

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

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1		

ATKINS
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No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No.: 100073430

FILE NAME:

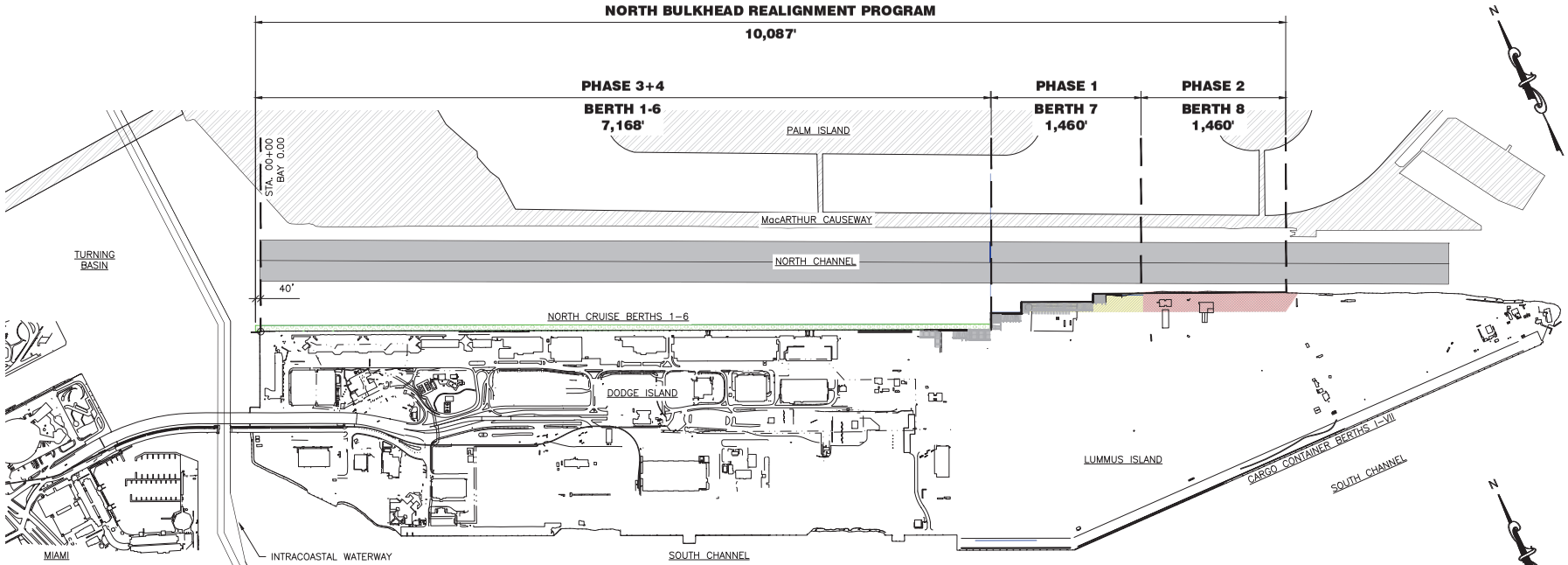
DATE: 07-09-21 | SCALE: AS NOTED

SHEET G-101

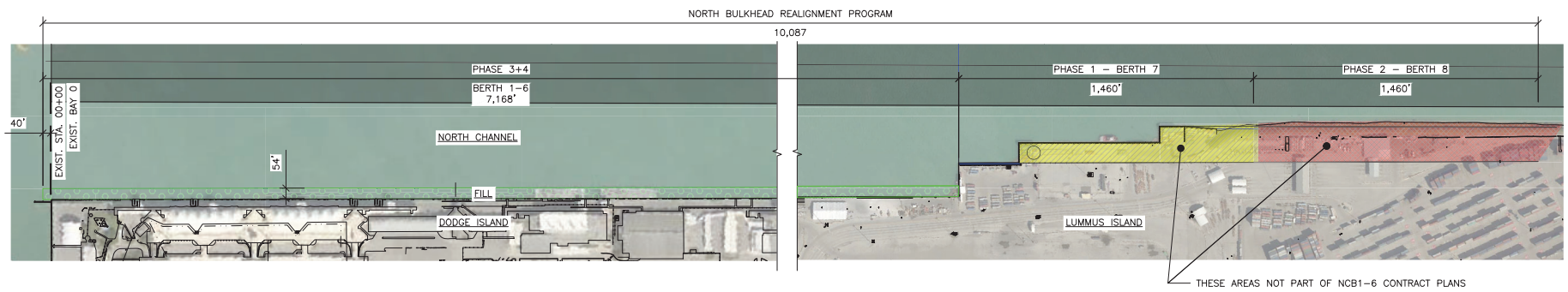
DWG. No. X of XX

Jul 08, 2021 – 1:26pm DEA86952 X:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#08 – Design Criteria – 30 Pct\02 Marine\Permit\ G-101 CONCEPTUAL PERMIT 2016.dwg

MDC016



SITE LOCATION PLAN
SCALE: 1" = 500'-0"



AERIAL VIEW
SCALE: 1" = 250'-0"

NOTES:

1. TOTAL LENGTH OF PROPOSED BULKHEAD FOR BERTH 1–6 INCLUDES THE 7,128' OF EXISTING BULKHEAD, 40' OF BERTH 1 EXTENSION TO THE WEST AND 54' OF BULKHEAD RETURN WALL AT WESTERN END OF BERTH 1, FOR A GRAND TOTAL OF 7,222'. THIS VALUE IS SHOWN IN THE PROPOSED 2021 QUANTITIES BY PHASE TABLE SHOWN ON SHEET G–001 FOR BULKHEAD LENGTH FOR PHASE 3+4 – BERTHS 1–6.

0 250' 500'
SCALE: 1" = 250'

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

PORTMIAMI
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PORTMIAMI
WORK ORDER No. 08
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PORTMIAMI PROJECT NO. 2018-005

FINAL PERMIT (2021)

SHEET NAME

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REVISIONS

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ENGINEER OF RECORD
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No.: 100073430

FILE NAME:

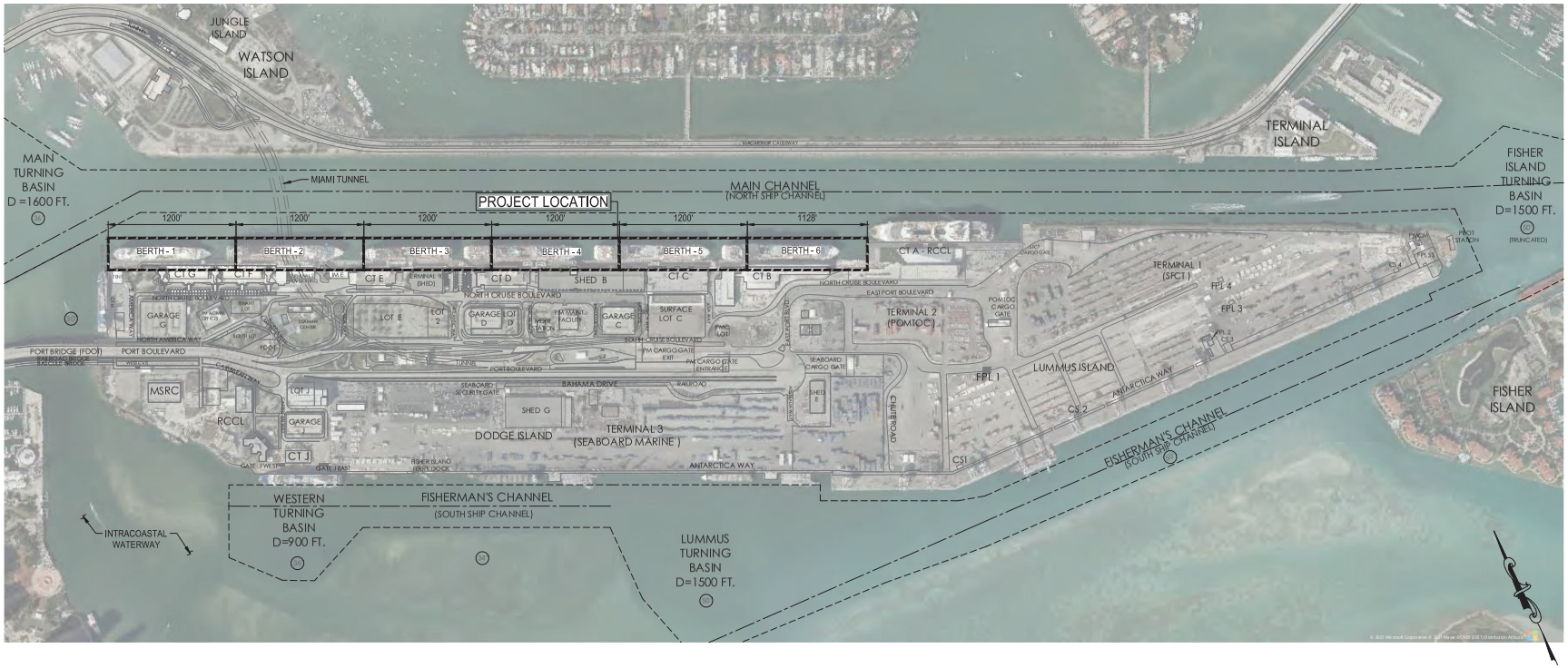
DATE: 07-02-21 | SCALE: AS NOTED

SHEET G-102

DWG. No. X of XX

MDC017

Jan 17, 2022 – 12:45pm DEAB6952 \\wsatlns.com\Project\USTLB\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Drawings\Proposal NCB 1-6\06 Drawings – 30 Pct\02 Marine\Permit\ G-102 FINAL PERMIT 2021- rev1.dwg



OVERALL EXISTING CONDITIONS PLAN

SCALE: 1" = 500'

PORTMIAMI

ATKINS

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

OVERALL EXISTING CONDITIONS

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD

DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER

03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME:

DATE: 07-02-21 SCALE: AS NOTED

SHEET EX-100

DWG. No. X of XX

Aug 04, 2021 – 2:41pm STEW2100 G:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#08 – Design Criteria\Dwg\08 – 30 Pct\02 Marine\Permit\ EX-100 OVERALL EXISTING CONDITIONS PLAN.dwg

MDC0018

OVERALL DEMOLITION PLAN

SCALE: 1" = 500'

PORTMIAMI

ATKINS

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

OVERALL DEMOLITION PLAN

SHEET NAME

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PERMIT	07-09-2021	-

REVISIONS

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME:

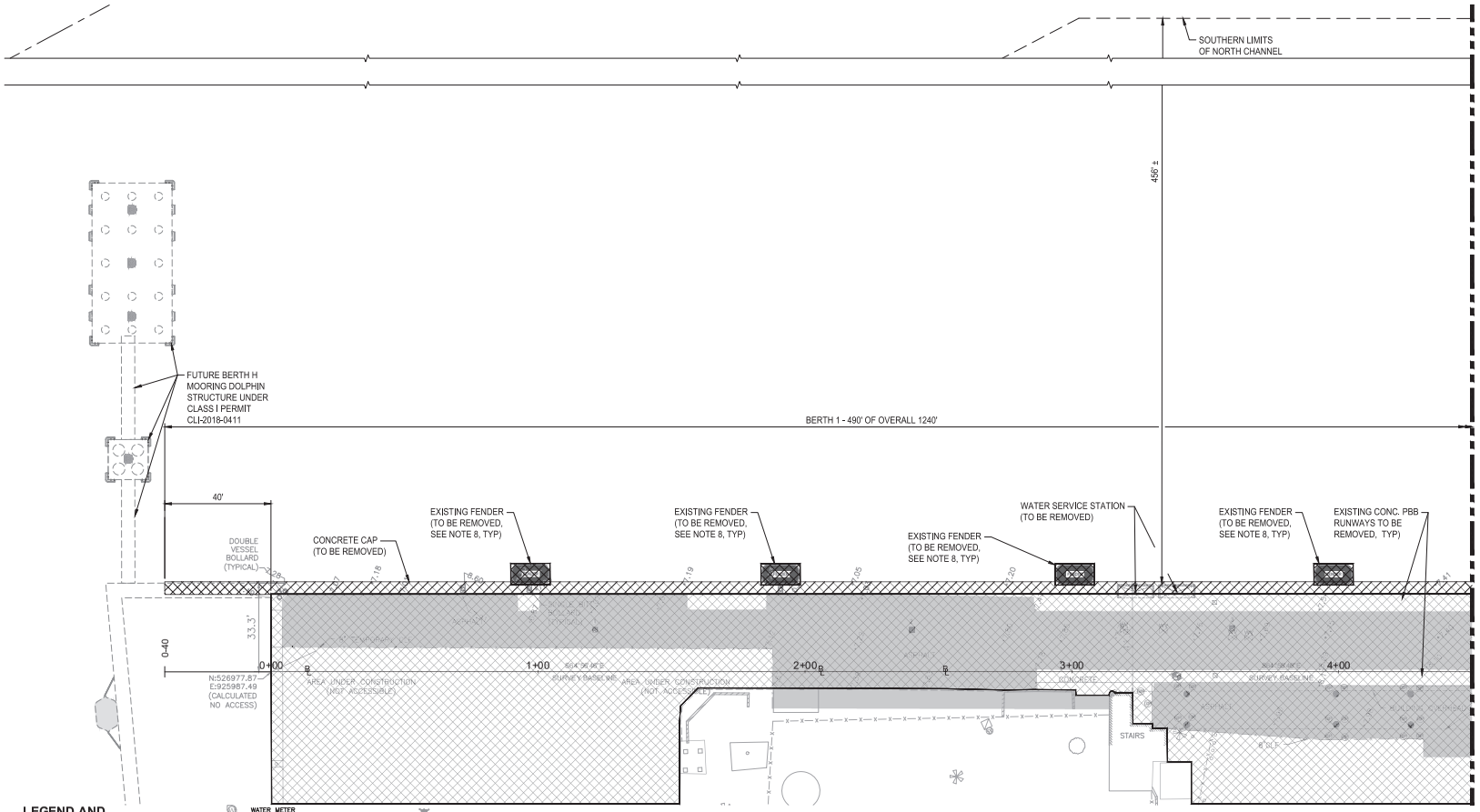
DATE: 07-09-21 SCALE: AS NOTED

SHEET D-100

DWG. No. X of XX

MDC019

Jul 02, 2021 – 4:55pm STEW2100 G:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#08 – Design Criteria\Phase 1A - 30 Pct\02 Marine\Permit\ D-100 OVERALL DEMOLITION PLAN.dwg



ENLARGED DEMOLITION PLAN "A"

SCALE: 1" = 20'

LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COX — COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U — UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- X=0.00 POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'-9" FENDER
- X — CHAIN LINK FENCE
- BL — BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

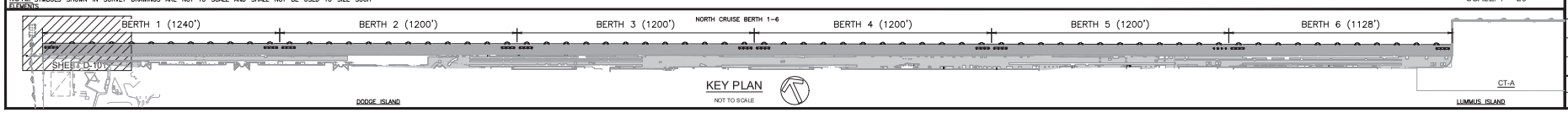
NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
3. ALL UTILITIES SHOWN WITHIN DEMOLITION AREA ARE TO BE REMOVED. UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, ELECTRICAL, FIBER OPTIC CABLES, STORM SEWER LINES, SANITARY SEWER LINES, WATER MAINS. COORDINATE REMOVAL OF THESE UTILITIES WITH PORT MIAMI.
4. ALL PAVEMENT AND FENCING WITHIN DEMOLITION LIMITS IS TO BE REMOVED BY THE CONTRACTOR.
5. REMOVE ALL STORMWATER MANHOLE STRUCTURES WITHIN DEMOLITION LIMITS. DRAINAGE WELLS ARE TO BE ABANDONED IN ACCORDANCE WITH FDEP CHAPTER 62-528.460.
6. ALL FIRE HYDRANTS, METERS, VALVES, ETC., ARE TO BE REMOVED BY CONTRACTOR WITHIN THE DEMOLITION LIMITS.
7. EXISTING ITEMS TO BE SALVAGED AT THE DISCRETION OF PORT OF MIAMI
8. EXISTING FENDERS TO BE REMOVED SHALL BE DELIVERED TO PORT OF MIAMI IN A LOCATION WITHIN THE PORT SELECTED BY THEM. CHAINS AND SHACKLES TO BE REMOVED AND DISPOSED OR STORED AT THE DIRECTION OF THE PORT OF MIAMI.
9. CONCRETE CAP OF EXISTING BULKHEAD TO BE DEMOLISHED/REMOVED INCLUDING STEEL REBAR REINFORCEMENT.
10. WATER SERVICE STATIONS TO BE DEMOLISHED AND DISPOSED INCLUDING CONCRETE ENCLOSURE STRUCTURE. REMOVE AND DISPOSE VALVES, PIPING, WATER METERS, BACKFLOW PREVENTERS AND APPURTENANCES.
11. EXISTING BOLLARDS TO BE REMOVED AND DISPOSED OR STORED AT THE DIRECTION OF THE PORT OF MIAMI. PORT OF MIAMI WILL RETAIN SEVERAL OF THE NEWER BOLLARDS, COORDINATE WITH PORT MIAMI.
12. CONCRETE RUNWAY FOR PASSENGER BOARDING BRIDGES TO BE REMOVED AND DISPOSED.
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED DEMOLITION PLAN "A"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
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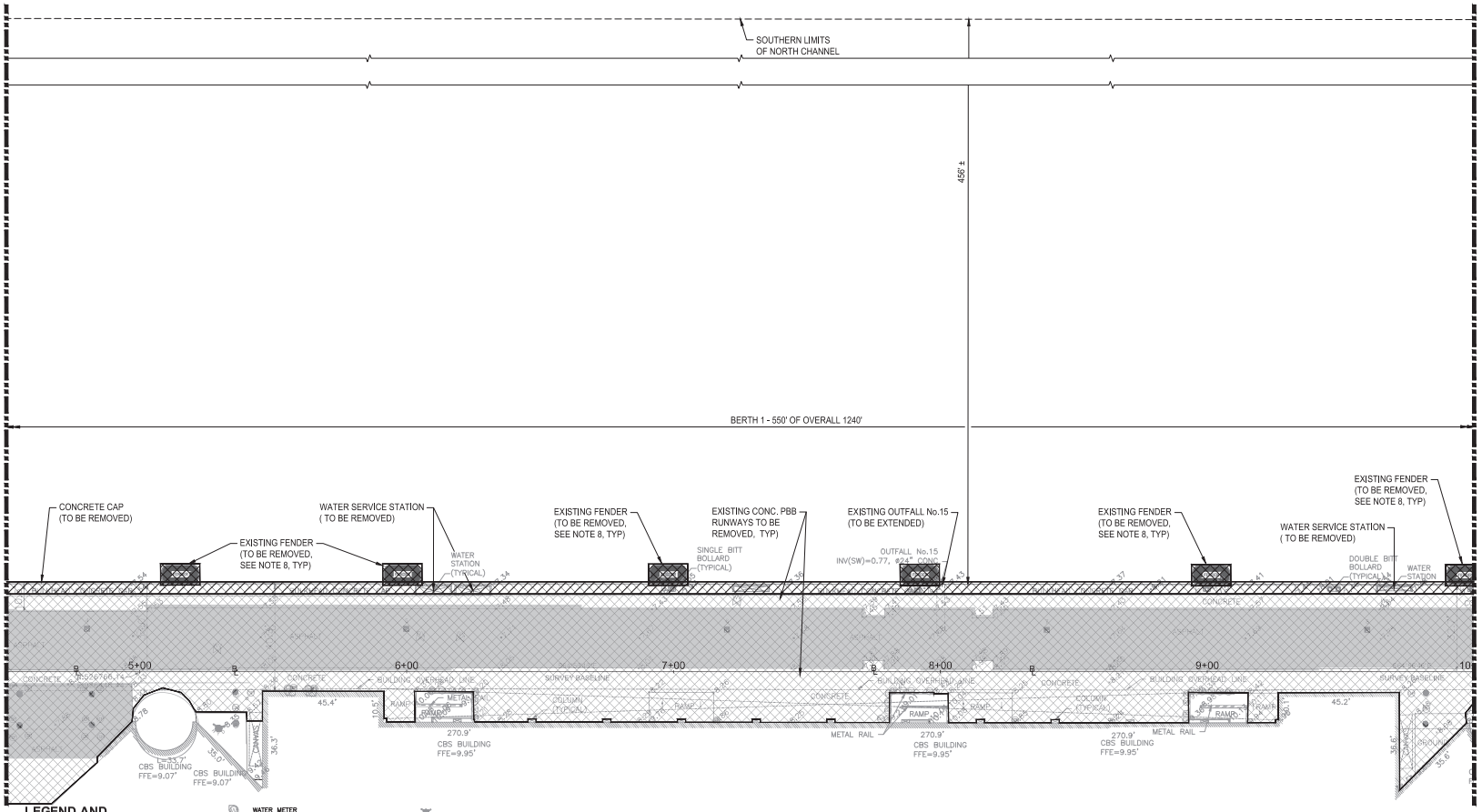
ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430	
FILE NAME:	-
DATE: 07-02-21	SCALE: AS NOTED
SHEET	D-101
DWG. No. X	of XX

MDC020

Oct 26, 2021 – 9:01am DEJA6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Drawings – 30 Pct\02 Marine\Permit\ D-101 DEMOLITION PLANS.dwg



LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COX COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'-0" FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "B"

SCALE: 1" = 20'

NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
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4. ALL PAVEMENT AND FENCING WITHIN DEMOLITION LIMITS IS TO BE REMOVED BY THE CONTRACTOR.
5. REMOVE ALL STORMWATER MANHOLE STRUCTURES WITHIN DEMOLITION LIMITS. DRAINAGE WELLS ARE TO BE ABANDONED IN ACCORDANCE WITH FDEP CHAPTER 62-528.460.
6. ALL FIRE HYDRANTS, METERS, VALVES, ETC., ARE TO BE REMOVED BY CONTRACTOR WITHIN THE DEMOLITION LIMITS.
7. EXISTING ITEMS TO BE SALVAGED AT THE DISCRETION OF PORT OF MIAMI
8. EXISTING FENDERS TO BE REMOVED SHALL BE DELIVERED TO PORT OF MIAMI IN A LOCATION WITHIN THE PORT SELECTED BY THEM. CHAINS AND SHACKLES TO BE REMOVED AND DISPOSED OR STORED AT THE DIRECTION OF THE PORT OF MIAMI.
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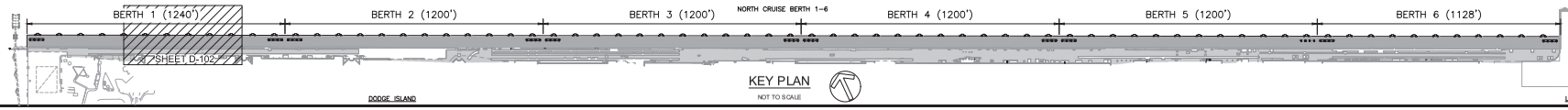
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED DEMOLITION PLAN "B"

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RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

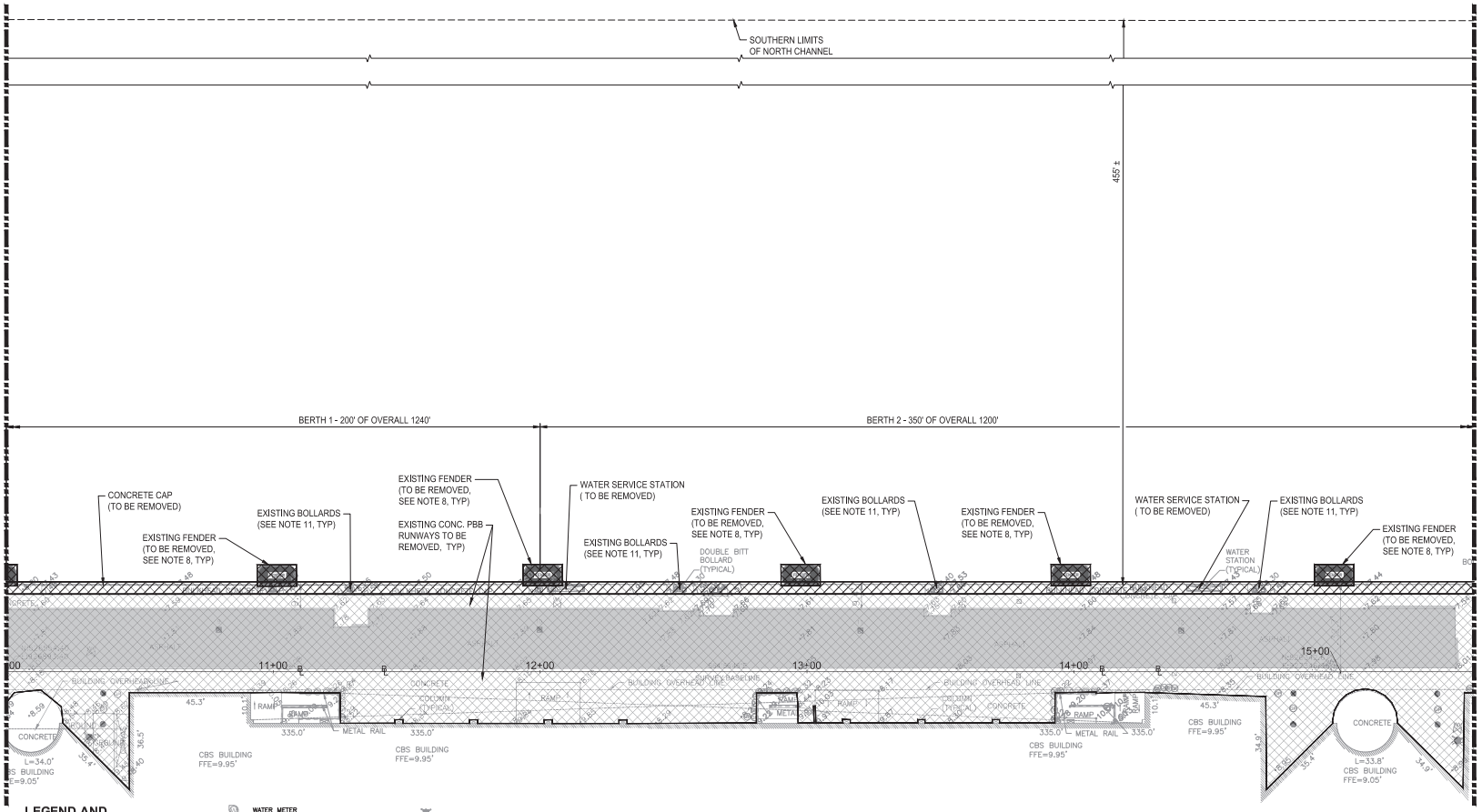
ATKINS ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-102
DWG. No. X of XX

MDC021

Jul 02, 2021 – 4:25pm DEAB6952 C:\Users\DEAB6952\AppData\Local\Temp\AcPublish_9448\ D-101 DEMOLITION PLANS.dwg

MDC022



LEGEND AND ABBREVIATIONS:

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CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7'X14'9 FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "C"

SCALE: 1" = 20'

NOTES:

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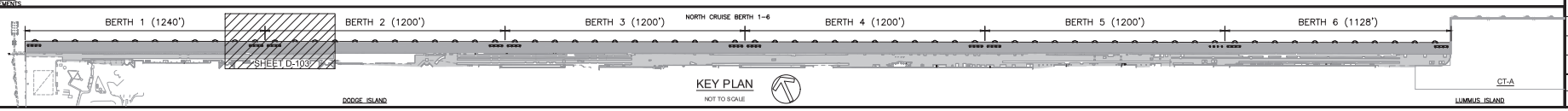
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "C"

SHEET NAME

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REVISIONS

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DESI. M. MALDONADO
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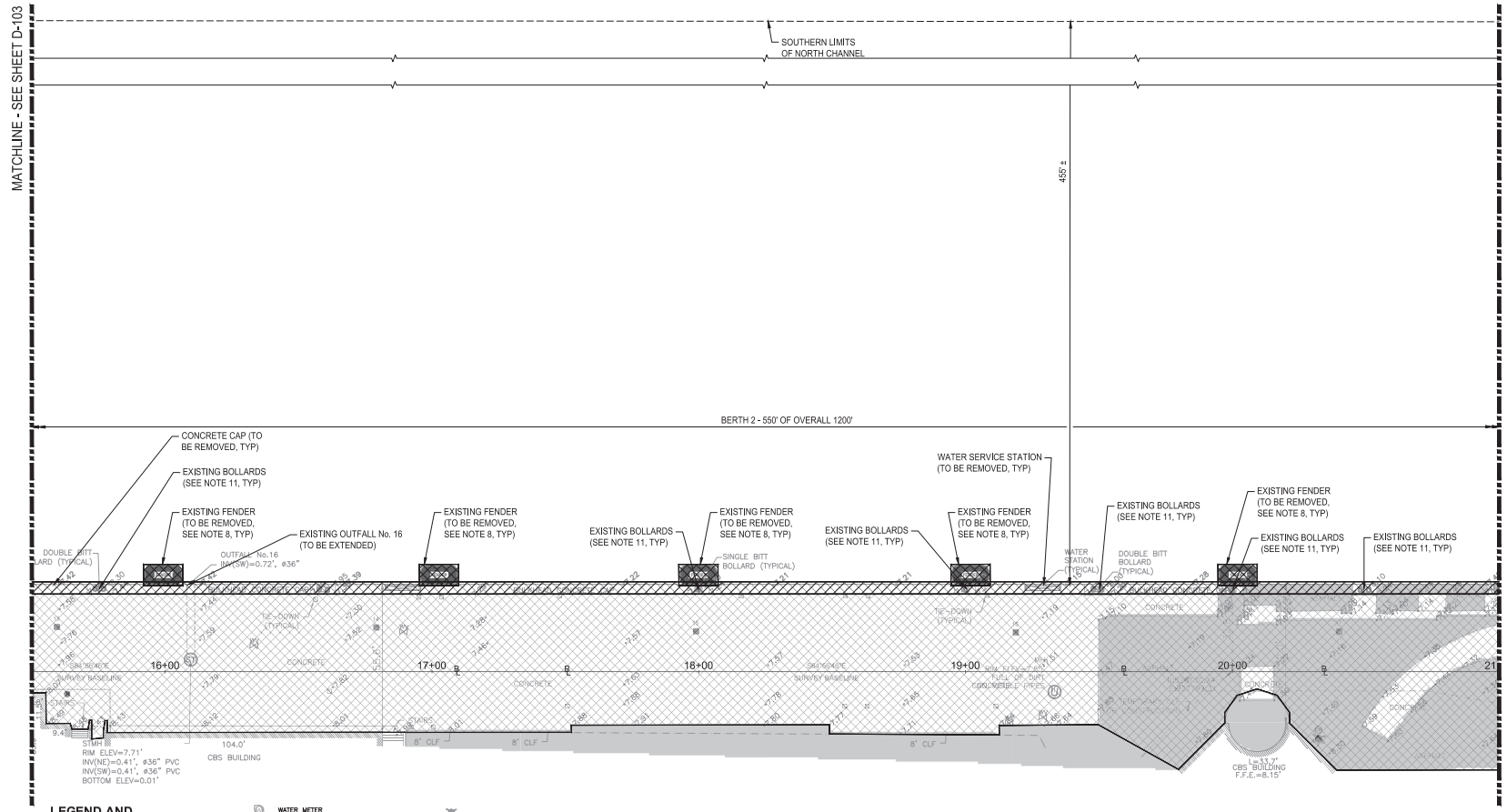
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-103
DWG. No. X of XX

Jul 02, 2021 – 4:25pm DEA86952 C:\Users\DEA86952\AppData\Local\Temp\AcPublish_9448\ D-101 DEMOLITION PLANS.dwg

MDC023

Jul 02, 2021 – 4:26pm DEJA69252 C:\Users\DEJA69252\AppData\Local\Temp\AcPublish_9448\ D-101 DEMOLITION PLANS.dwg



LEGEND AND ABBREVIATIONS:

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CLF	CHAIN LINK FENCE
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FND	FOUND
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NGVD	NATIONAL GEODETIC VERTICAL DATUM
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-BOXES:

- COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7'X14'9" FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "D"

SCALE: 1" = 20'

NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
3. ALL UTILITIES SHOWN WITHIN DEMOLITION AREA ARE TO BE REMOVED. UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, ELECTRICAL, FIBER OPTIC CABLES, STORM SEWER LINES, SANITARY SEWER LINES, WATER MAINS. COORDINATE REMOVAL OF THESE UTILITIES WITH PORT MIAMI.
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5. REMOVE ALL STORMWATER MANHOLE STRUCTURES WITHIN DEMOLITION LIMITS. DRAINAGE WELLS ARE TO BE ABANDONED IN ACCORDANCE WITH FDEP CHAPTER 62-528.460.
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8. EXISTING FENDERS TO BE REMOVED SHALL BE DELIVERED TO PORT OF MIAMI IN A LOCATION WITHIN THE PORT SELECTED BY THEM. CHAINS AND SHACKLES TO BE REMOVED AND DISPOSED OR STORED AT THE DIRECTION OF THE PORT OF MIAMI.
9. CONCRETE CAP OF EXISTING BULKHEAD TO BE DEMOLISHED/REMOVED INCLUDING STEEL REBAR REINFORCEMENT.
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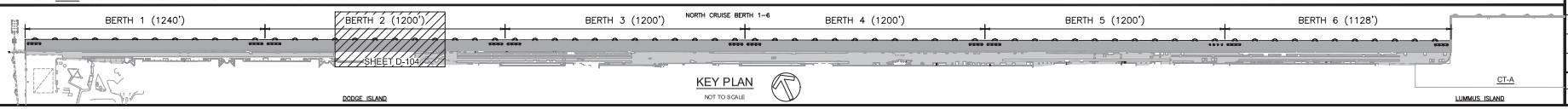
12. CONCRETE RUNWAY FOR PASSENGER BOARDING BRIDGES TO BE REMOVED AND DISPOSED.
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "D"

SHEET NAME

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

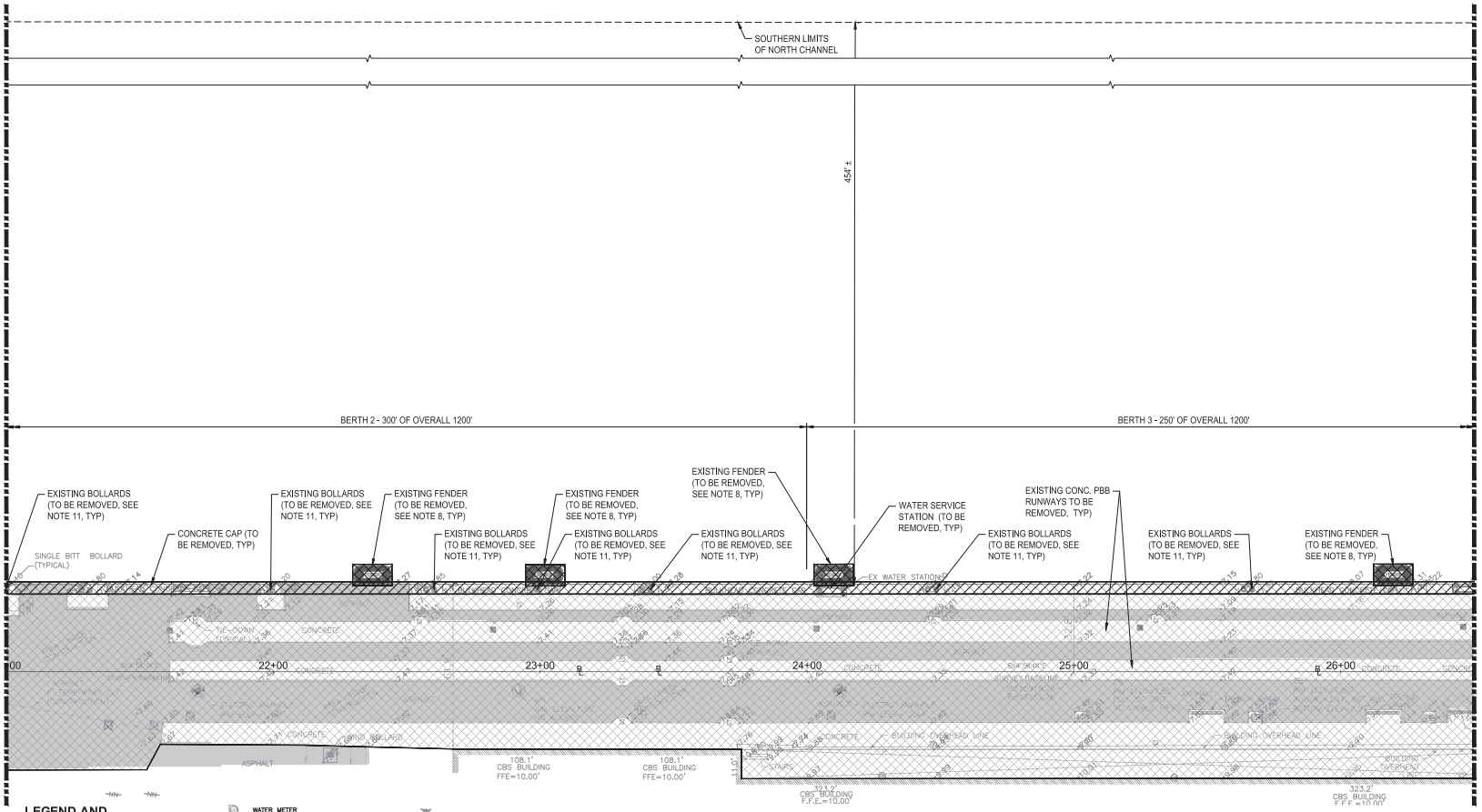
REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-104
DWG. No. X of XX

MDC024



LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COX COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'-9" FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "E"

SCALE: 1" = 20'

NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
3. ALL UTILITIES SHOWN WITHIN DEMOLITION AREA ARE TO BE REMOVED. UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, ELECTRICAL, FIBER OPTIC CABLES, STORM SEWER LINES, SANITARY SEWER LINES, WATER MAINS. COORDINATE REMOVAL OF THESE UTILITIES WITH PORT MIAMI.
4. ALL PAVEMENT AND FENCING WITHIN DEMOLITION LIMITS IS TO BE REMOVED BY THE CONTRACTOR.
5. REMOVE ALL STORMWATER MANHOLE STRUCTURES WITHIN DEMOLITION LIMITS. DRAINAGE WELLS ARE TO BE ABANDONED IN ACCORDANCE WITH FDEP CHAPTER 62-528.460.
6. ALL FIRE HYDRANTS, METERS, VALVES, ETC., ARE TO BE REMOVED BY CONTRACTOR WITHIN THE DEMOLITION LIMITS.
7. EXISTING ITEMS TO BE SALVAGED AT THE DISCRETION OF PORT OF MIAMI
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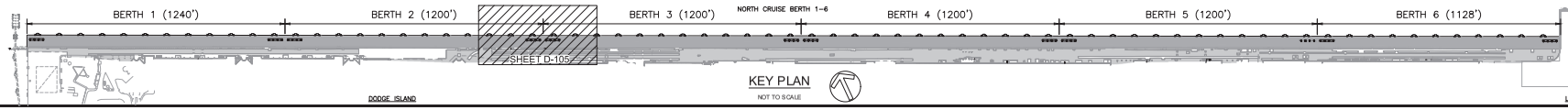
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "E"

SHEET NAME

WARNING!

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DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-105
DWG. No. X of XX

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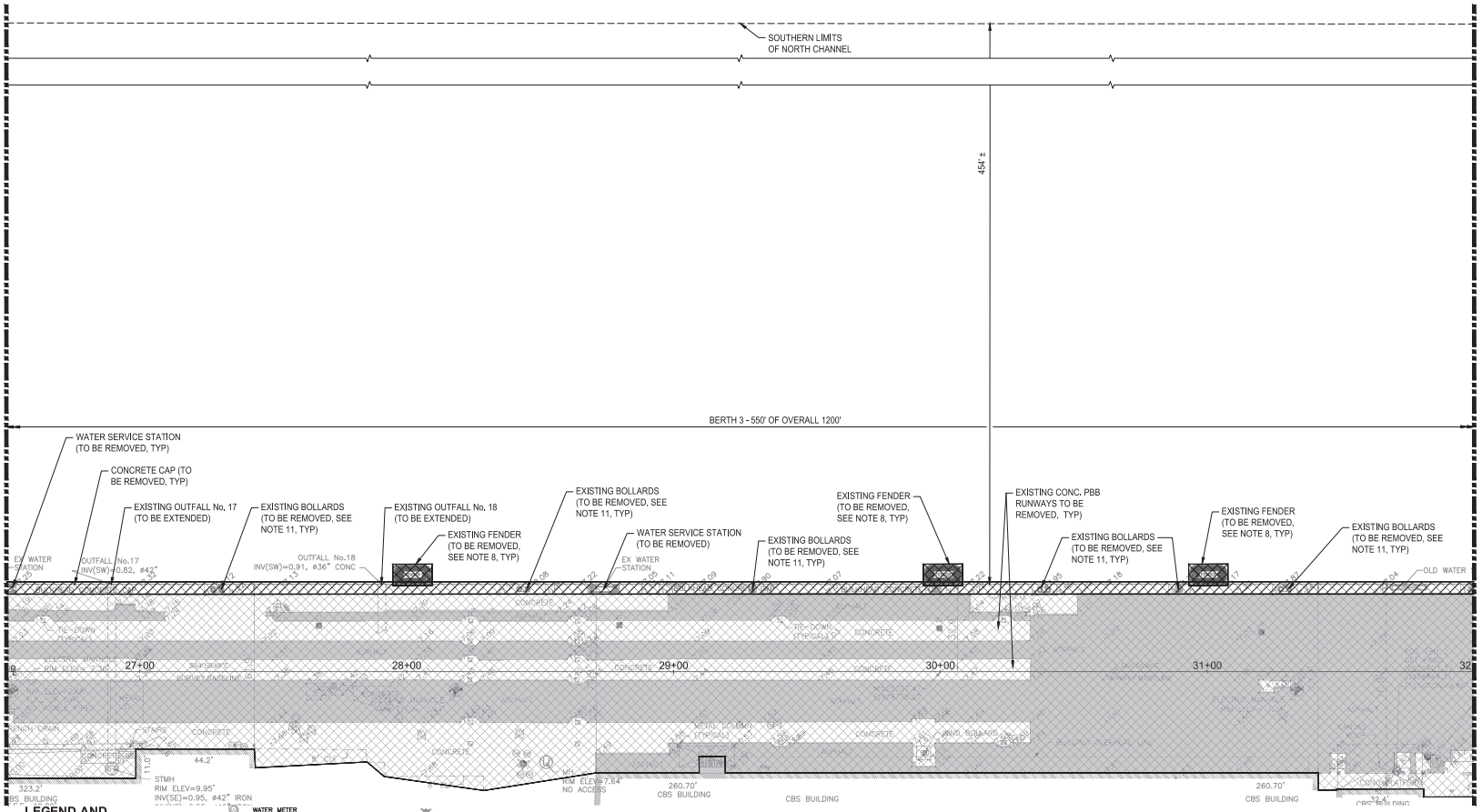

LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EDP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- UNIDENTIFIED UTILITY BOX
- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL
- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7'X14'ø FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "F"

SCALE: 1" = 20'

NOTES:

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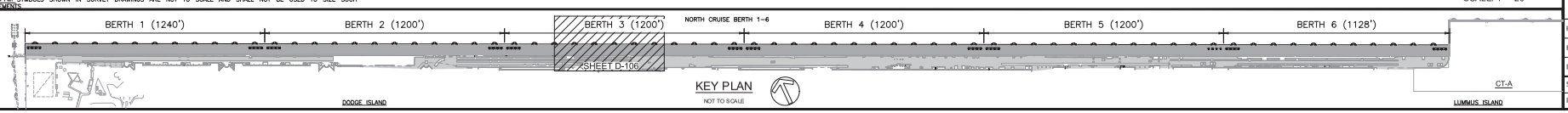
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "F"

SHEET NAME

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ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-106
DWG. No. X of XX

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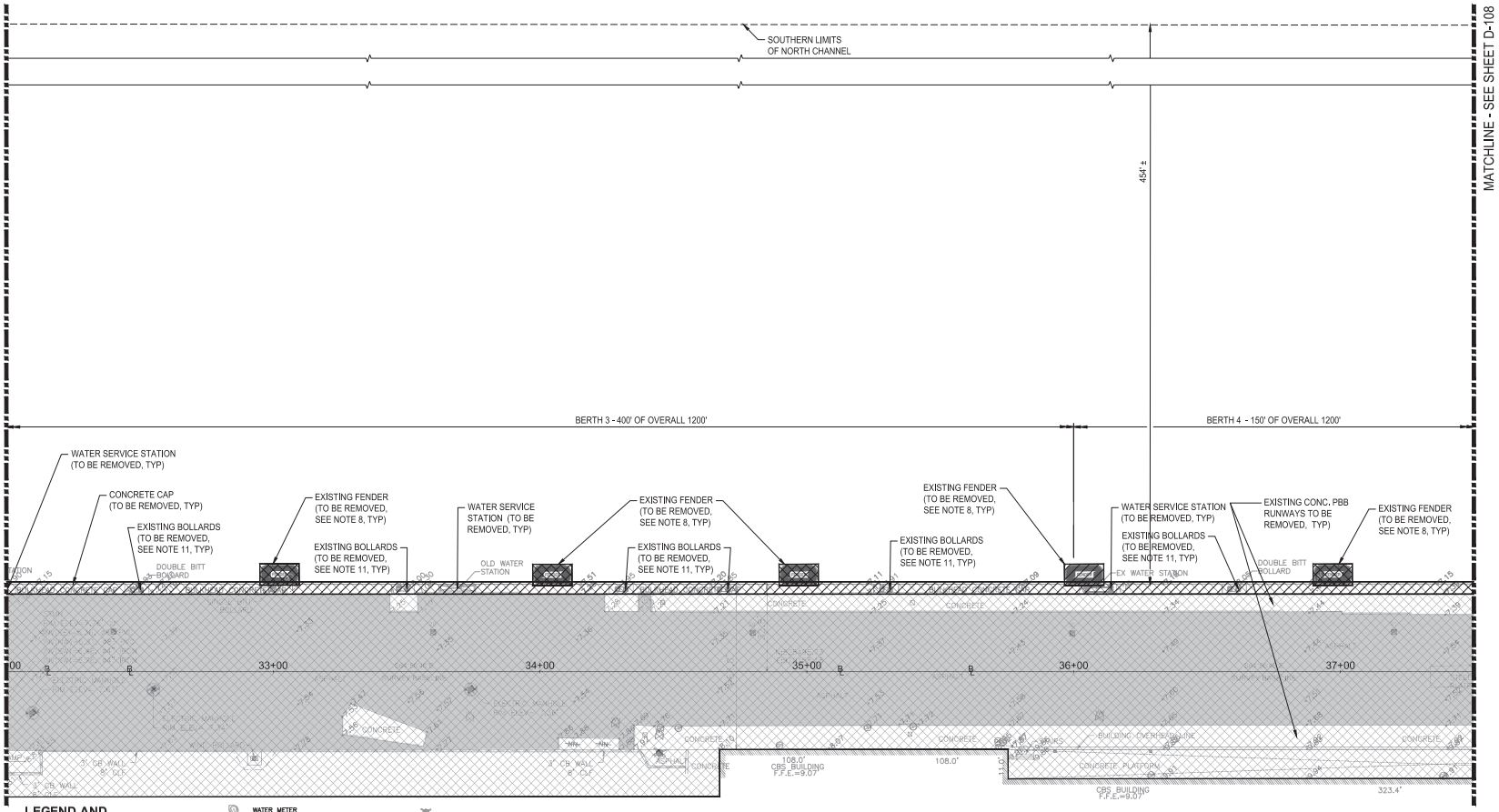

LEGEND AND ABBREVIATIONS:

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CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
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NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
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PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COM — COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U — UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- ST — STORM MANHOLE
- U — UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- X=0.00 — POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'ø FENDER
- CHAIN LINK FENCE
- BL — BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "G"

SCALE: 1" = 20'

NOTES:

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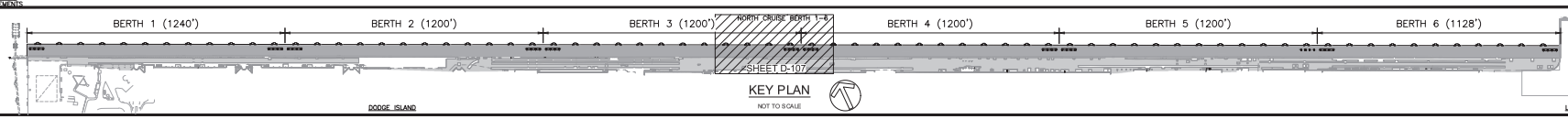
LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "G"

SHEET NAME

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03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-107
DWG. No. X of XX

MDC026

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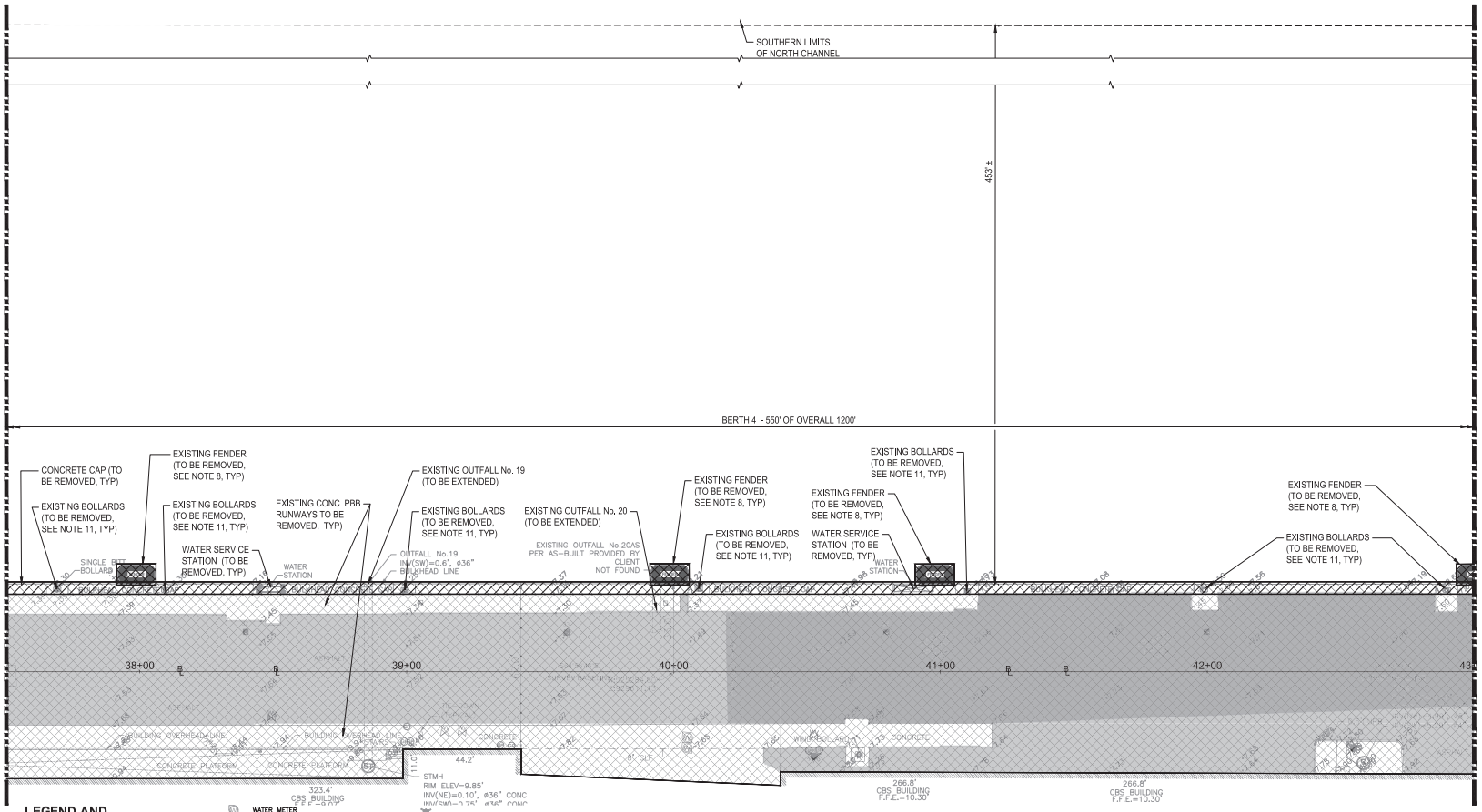

LEGEND AND ABBREVIATIONS:

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CBS	CONCRETE BLOCK STRUCTURE
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-BOXES:

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- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'-9" FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "H"

SCALE: 1" = 20'

NOTES:

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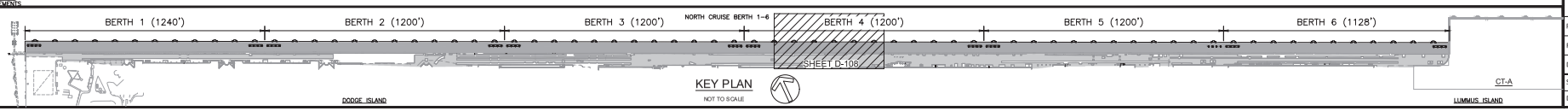
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN

NOT TO SCALE

PORTMIAMI

ATKINS

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "H"

SHEET NAME

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD

DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME: -

DATE: 07-09-21 | SCALE: AS NOTED

SHEET D-108

DWG. No. X of XX

MDC027

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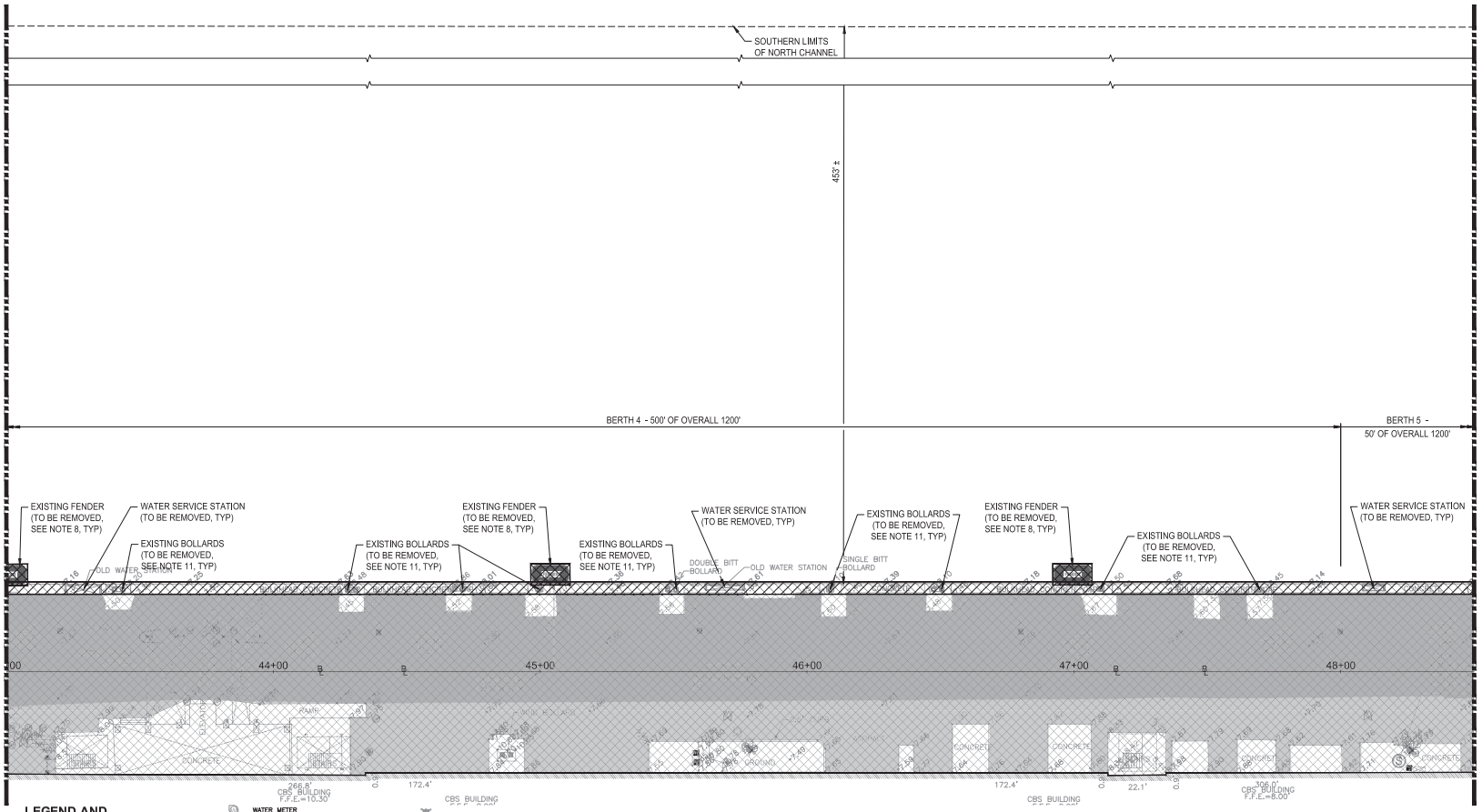

LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COX COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U UNIDENTIFIED UTILITY BOX

WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- S SANITARY SEWER MANHOLE
- ST STORM MANHOLE
- U UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- X=0.00 POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'9 FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "I"

SCALE: 1" = 20'

NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
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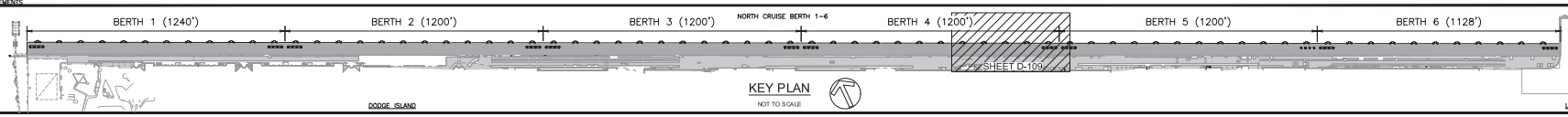
LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "I"

SHEET NAME

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REVISIONS

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-109
DWG. No. X of XX

MDC028

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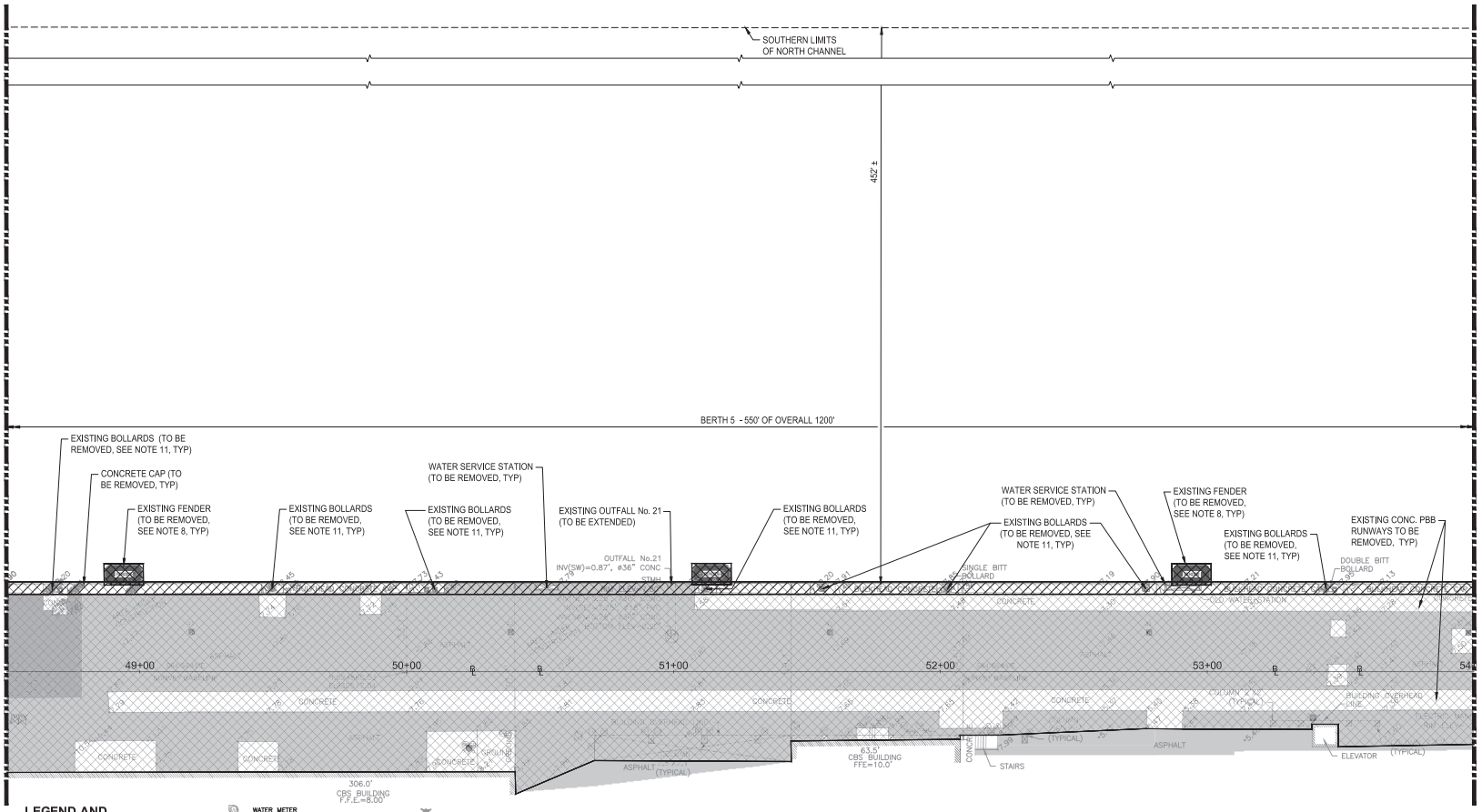

LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
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FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COX — COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U — UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- ST — STORM MANHOLE
- U — UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- x=0.0 — POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7'X14'ø FENDER
- CHAIN LINK FENCE
- BL — BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "J"

SCALE: 1" = 20'

NOTES:

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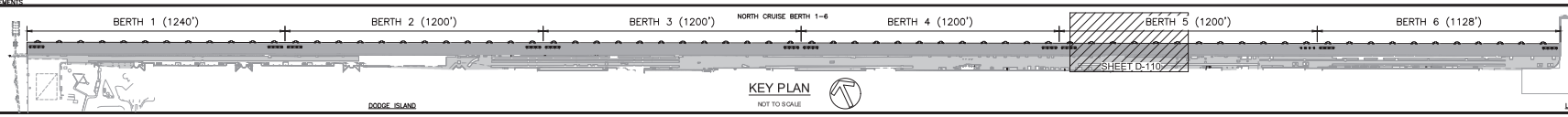
LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "J"

SHEET NAME

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ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-110
DWG. No. X of XX

MDC029

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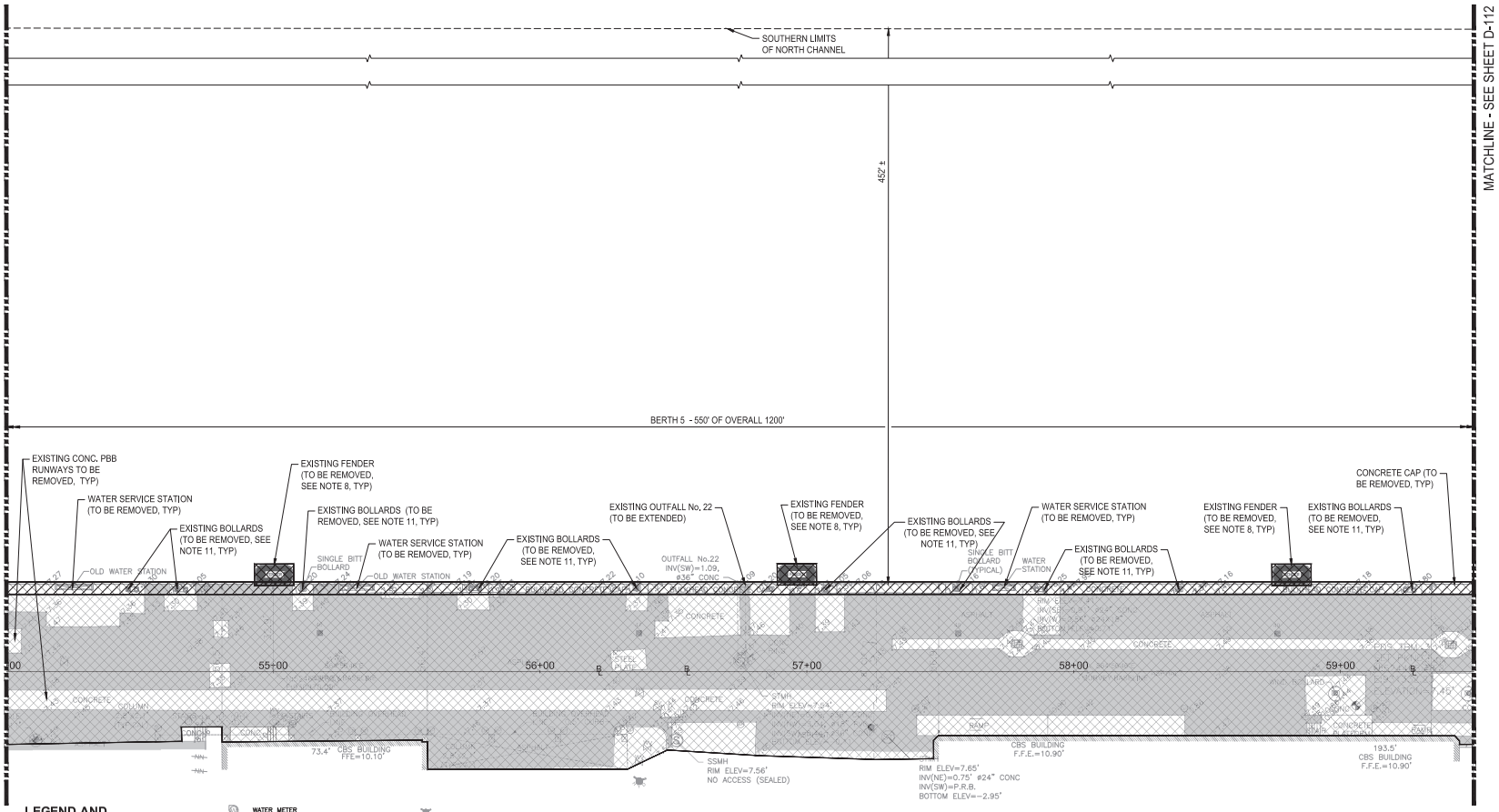
MDC030



LEGEND AND ABBREVIATIONS:

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GRD	GROUND
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OH	OVERHEAD
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PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

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- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
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-OTHER UTILITIES:

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- CALL BOX
- COLUMN
- ELECTRIC PANEL

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- GUARD POLE
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- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'ø FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

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ENLARGED DEMOLITION PLAN "K"

SCALE: 1" = 20'

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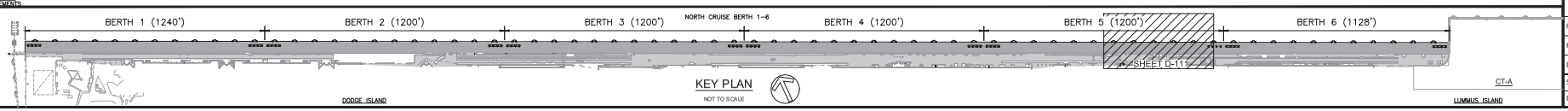
LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "K"

SHEET NAME

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03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
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SHEET D-111
DWG. No. X of XX

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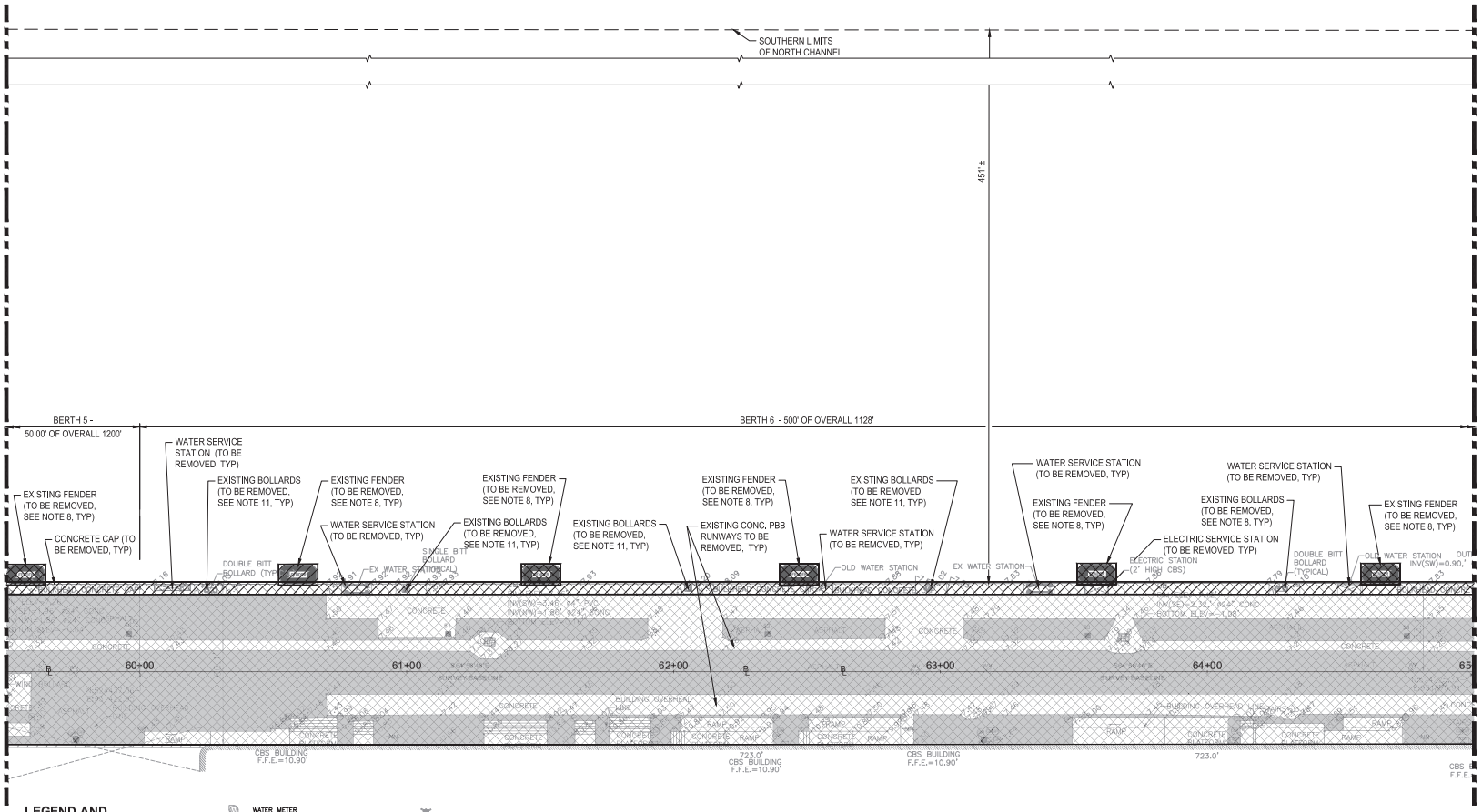

LEGEND AND ABBREVIATIONS:

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-BOXES:

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- U — UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- ST — STORM MANHOLE
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-VALVES:

- BACK FLOW PREVENTER
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- WATER VALVE

-OTHER UTILITIES:

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- CALL BOX
- COLUMN
- ELECTRIC PANEL

- FIRE HYDRANT
- GUARD POLE
- X=0.00 — POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7'X14'9 FENDER
- X — CHAIN LINK FENCE
- B/L — BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "L"

SCALE: 1" = 20'

NOTES:

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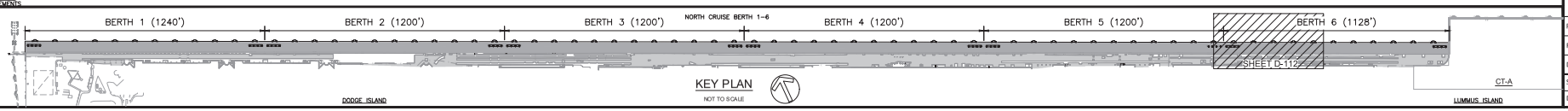
10. WATER SERVICE STATIONS TO BE DEMOLISHED AND DISPOSED INCLUDING CONCRETE ENCLOSURE STRUCTURE. REMOVE AND DISPOSE VALVES, PIPING, WATER METERS, BACKFLOW PREVENTERS AND APPURTENANCES.
11. EXISTING BOLLARDS TO BE REMOVED AND DISPOSED OR STORED AT THE DIRECTION OF THE PORT OF MIAMI. PORT OF MIAMI WILL RETAIN SEVERAL OF THE NEWER BOLLARDS, COORDINATE WITH PORT MIAMI.
12. CONCRETE RUNWAY FOR PASSENGER BOARDING BRIDGES TO BE REMOVED AND DISPOSED.
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "L"

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

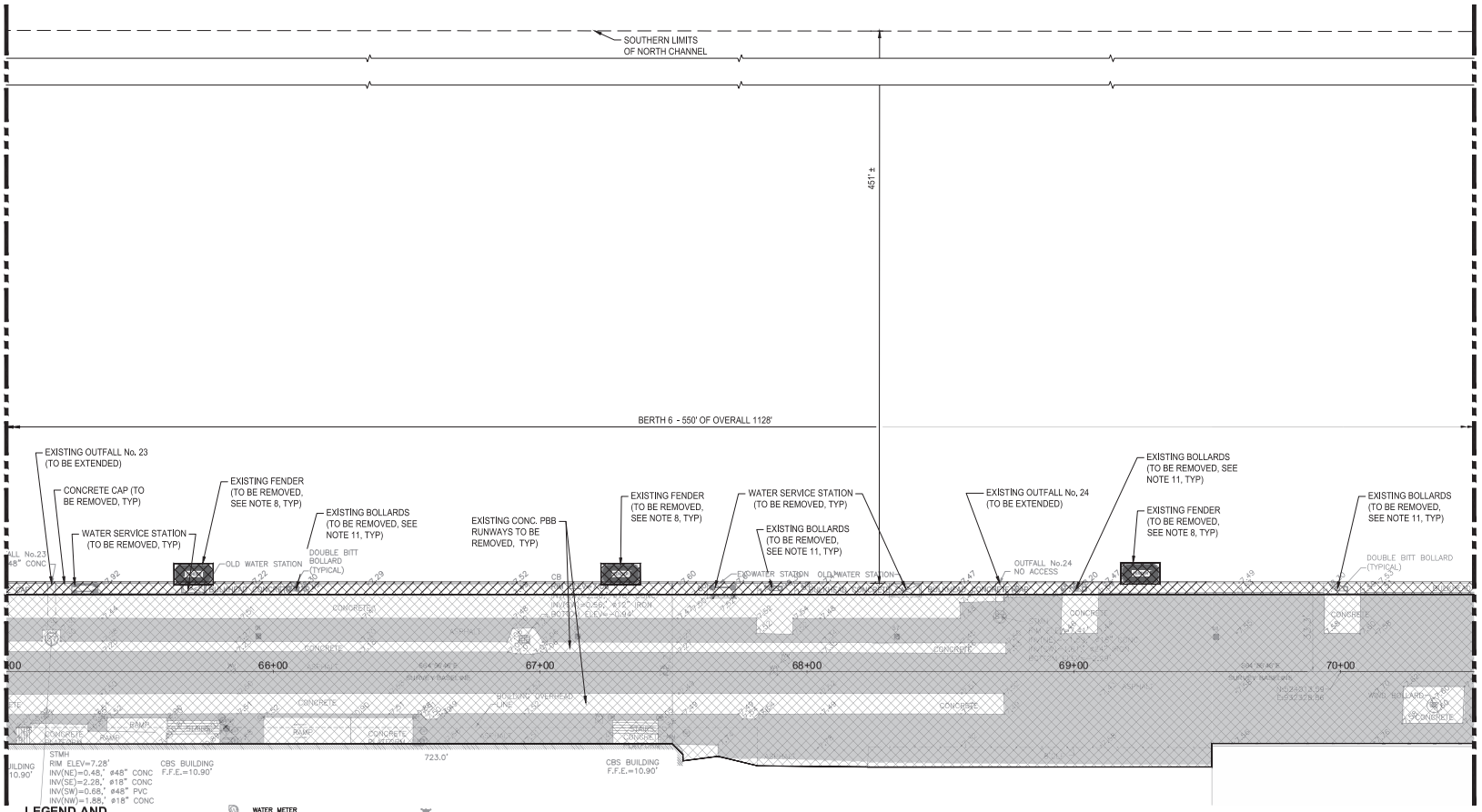
ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET D-112
DWG. No. X of XX

MD001

Oct 26, 2021 – 8:58am DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ D-101 DEMOLITION PLANS.dwg



LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DCBM	DADE COUNTY BENCH MARK
EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

COX	COMMUNICATION UTILITY BOX
	ELECTRIC UTILITY BOX
U	UNIDENTIFIED UTILITY BOX

	WATER METER

-MANHOLES:

	CATCH BASIN
	ELECTRIC MANHOLE
S	SANITARY SEWER MANHOLE
ST	STORM MANHOLE
U	UNIDENTIFIED MANHOLE

-VALVES:

	BACK FLOW PREVENTER
	SANITARY SEWER VALVE
	WATER VALVE

-OTHER UTILITIES:

	BAY NUMBER
	CALL BOX
	COLUMN
	ELECTRIC PANEL
	FIRE HYDRANT
	GUARD POLE
X=0.00	POINT ELEVATION
	SINGLE BITT BOLLARD
	DOUBLE BITT BOLLARD
	WIND BOLLARD
	OUTFALL
	TEMPORARY BENCH MARK (TBM)
	TRAFFIC SIGN
	TIE-DOWN
	WATER STATION (NEW)
	WATER STATION (OLD)
	7"X14'ø FENDER
X	CHAIN LINK FENCE
B L	BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

ENLARGED DEMOLITION PLAN "M"

SCALE: 1" = 20'

NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
3. ALL UTILITIES SHOWN WITHIN DEMOLITION AREA ARE TO BE REMOVED. UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, ELECTRICAL, FIBER OPTIC CABLES, STORM SEWER LINES, SANITARY SEWER LINES, WATER MAINS. COORDINATE REMOVAL OF THESE UTILITIES WITH PORT MIAMI.
4. ALL PAVEMENT AND FENCING WITHIN DEMOLITION LIMITS IS TO BE REMOVED BY THE CONTRACTOR.
5. REMOVE ALL STORMWATER MANHOLE STRUCTURES WITHIN DEMOLITION LIMITS. DRAINAGE WELLS ARE TO BE ABANDONED IN ACCORDANCE WITH FDEP CHAPTER 62-528.460.
6. ALL FIRE HYDRANTS, METERS, VALVES, ETC., ARE TO BE REMOVED BY CONTRACTOR WITHIN THE DEMOLITION LIMITS.
7. EXISTING ITEMS TO BE SALVAGED AT THE DISCRETION OF PORT OF MIAMI
8. EXISTING FENDERS TO BE REMOVED SHALL BE DELIVERED TO PORT OF MIAMI IN A LOCATION WITHIN THE PORT SELECTED BY THEM. CHAINS AND SHACKLES TO BE REMOVED AND DISPOSED OR STORED AT THE DIRECTION OF THE PORT OF MIAMI.
9. CONCRETE CAP OF EXISTING BULKHEAD TO BE DEMOLISHED/REMOVED INCLUDING STEEL REBAR REINFORCEMENT.
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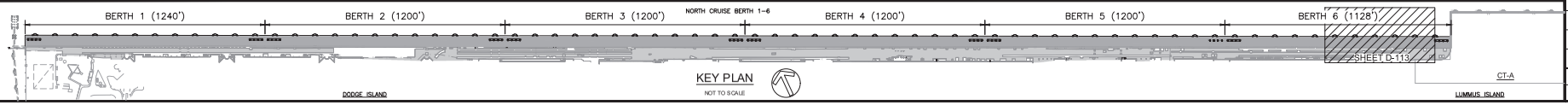
13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED DEMOLITION PLAN "M"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

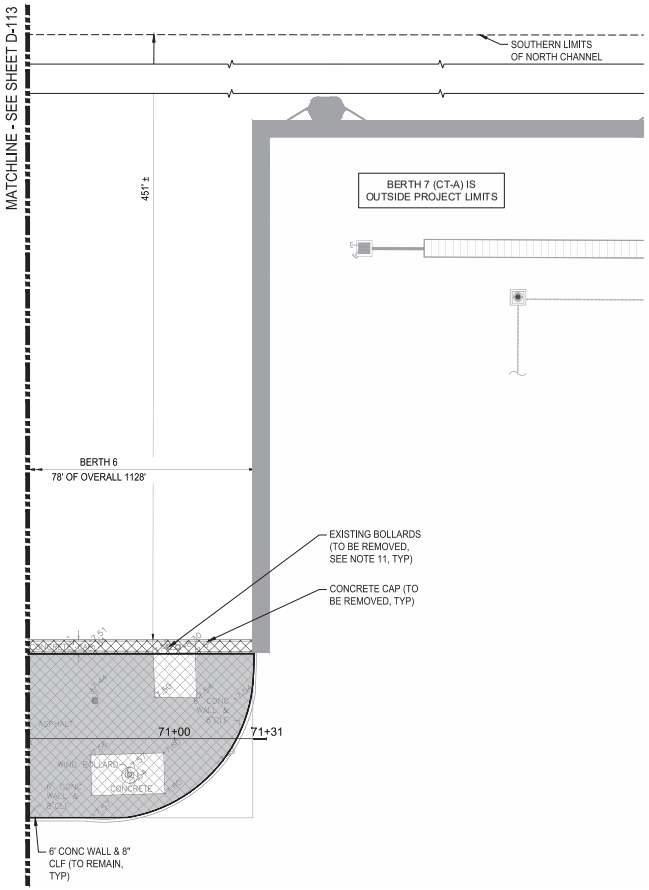
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET D-113
DWG. No. of XX

MDC032

Oct 26, 2021 – 8:56am DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Criteria and NOC Drawings – 30 Pct\02 Marine\Permit\ D-101 DEMOLITION PLANS.dwg



ENLARGED DEMOLITION PLAN "N"

SCALE: 1" = 20'

NOTES:

1. DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION.
2. UTILITIES SHOWN USING BEST AVAILABLE INFORMATION. CONTRACTOR TO LOCATE AND VERIFY PRIOR TO DEMOLITION.
3. ALL UTILITIES SHOWN WITHIN DEMOLITION AREA ARE TO BE REMOVED. UTILITIES INCLUDE, BUT ARE NOT LIMITED TO, ELECTRICAL, FIBER OPTIC CABLES, STORM SEWER LINES, SANITARY SEWER LINES, WATER MAINS. COORDINATE REMOVAL OF THESE UTILITIES WITH PORT MIAMI.
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5. REMOVE ALL STORMWATER MANHOLE STRUCTURES WITHIN DEMOLITION LIMITS. DRAINAGE WELLS ARE TO BE ABANDONED IN ACCORDANCE WITH FDEP CHAPTER 62-528.460.
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13. PASSENGER BOARDING BRIDGE TIE DOWNS TO BE REMOVED AND DISPOSED.

LEGEND AND ABBREVIATIONS:

BM	BENCH MARK
CB	CATCH BASIN
CBS	CONCRETE BLOCK STRUCTURE
CBW	CONCRETE BLOCK WALL
CLF	CHAIN LINK FENCE
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EOP	EDGE OF PAVEMENT
FND	FOUND
GR	GUARD RAIL
GRD	GROUND
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OH	OVERHEAD
PBB	PASSENGER BOARDING BRIDGE
PDS TBM	PDS TEMPORARY BENCH MARK
PDS	PREMIERE DESIGN SOLUTIONS
PRB	POLLUTION RETARDANT BAFFLE
SSMH	SANITARY SEWER MANHOLE
STMH	STORM MANHOLE
TBM	TEMPORARY BENCH MARK

-BOXES:

- COX COMMUNICATION UTILITY BOX
- ELECTRIC UTILITY BOX
- U UNIDENTIFIED UTILITY BOX

- WATER METER

-MANHOLES:

- CATCH BASIN
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- UNIDENTIFIED MANHOLE

-VALVES:

- BACK FLOW PREVENTER
- SANITARY SEWER VALVE
- WATER VALVE

-OTHER UTILITIES:

- BAY NUMBER
- CALL BOX
- COLUMN
- ELECTRIC PANEL

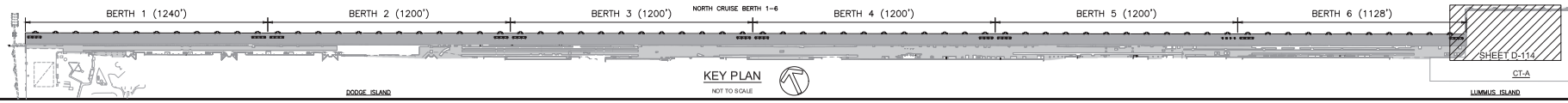
- FIRE HYDRANT
- GUARD POLE
- POINT ELEVATION
- SINGLE BITT BOLLARD
- DOUBLE BITT BOLLARD
- WIND BOLLARD
- OUTFALL
- TEMPORARY BENCH MARK (TBM)
- TRAFFIC SIGN
- TIE-DOWN
- WATER STATION (NEW)
- WATER STATION (OLD)
- 7"X14'ø FENDER
- CHAIN LINK FENCE
- BASELINE OF SURVEY

NOTE: SYMBOLS SHOWN IN SURVEY DRAWINGS ARE NOT TO SCALE AND SHALL NOT BE USED TO SIZE SUCH ELEMENTS

LEGEND

AREA OF DEMOLITION

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

ENLARGED DEMOLITION PLAN "N"

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

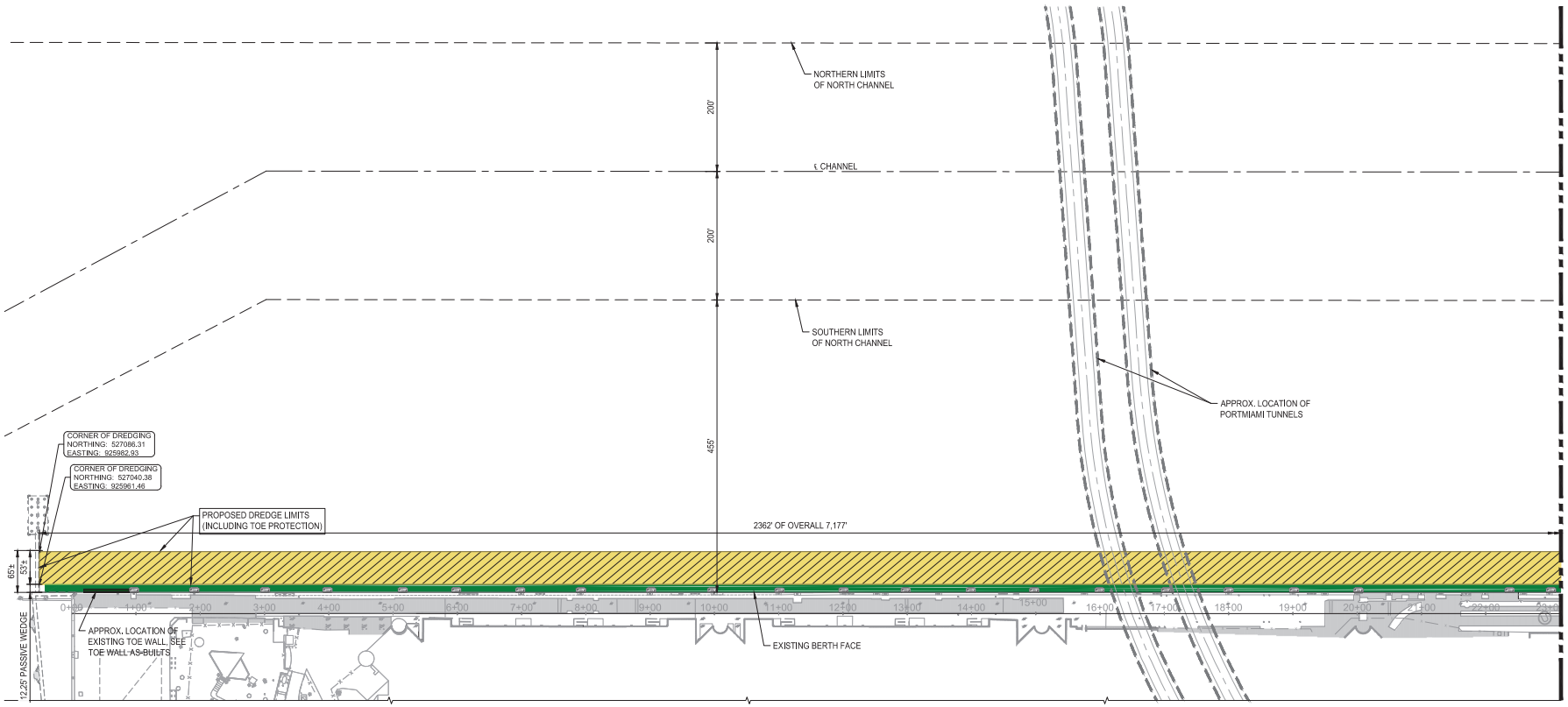
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET D-114
DWG. No. X of XX

MDC033

Jul 02, 2021 – 4:30pm DEAB6952 C:\Users\DEAB6952\AppData\Local\Temp\AcPublish_9448\ D-101 DEMOLITION PLANS.dwg



OVERALL DREDGE PLAN - 1

SCALE: 1" = 80'

LEGEND:

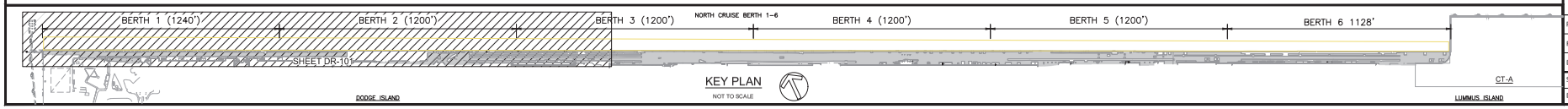
OVERALL PROJECT DREDGE AREA TO EL. (-)43.0 NGVD
7,168FT FOR NEW BULKHEAD + 9FT FOR TOE PROTECTION = 7,177FT

12.25-FOOT-WIDE PASSIVE WEDGE: NO EXCAVATION IN THIS AREA; USE EXTREME CAUTION AROUND EXIST. SCOUR BOWL TOE WALLS.

NOTES:

1. DESIGN-BUILDER TO PERFORM A PRE-CONSTRUCTION AND POST CONSTRUCTION BATHYMETRIC SURVEY OF PROJECT AREA. NO MATERIAL SHALL SHOAL INTO THE CHANNEL DURING CONSTRUCTION.
2. EXISTING BATHYMETRY SHOWN PROVIDED BY: SPECIFIC PURPOSE SURVEY BULKHEAD MONITORING OF PORTMIAMI CRUISE TERMINALS, PERFORMED BY MORGAN & EKLUND DATED APRIL 21, 2021. COMMISSION NUMBER 35765
3. ALL DREDGE QUANTITIES ARE APPROXIMATE AND BASED UPON THE CONCEPTUAL DESIGN FROM DCD. FINAL QUANTITIES AND DREDGE LIMITS ARE THE RESPONSIBILITY OF THE DESIGN-BUILDER AND SHALL BE COORDINATED WITH THE FINAL PERMIT AND APPROPRIATE REGULATORY AGENCIES. THE DREDGE TEMPLATE SHOWN IS BASED UPON 54 FT OFFSET. THE DREDGING CANNOT EXCEED THE VALUES IN THE PERMIT.
4. THE DESIGN -BUILDER IS RESPONSIBLE FOR DETERMINING THE FINAL CONFIGURATION FOR THE DREDGE TEMPLATE, IN ACCORDANCE WITH THE PERMIT REQUIREMENTS.

0 80' 160'
SCALE: 1" = 80'



KEY PLAN
NOT TO SCALE

PORTMIAMI
ATKINS
800 WATERFORD WAY, SUITE 700
MIAMI, FLORIDA 33126
(305) 592-7275
LB NO. 00000024

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION
THESE PLANS ARE INTENDED FOR REFERENCE TO DESIGN CRITERIA DOCUMENT

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2020-007

OVERALL DREDGE PLAN - 1

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

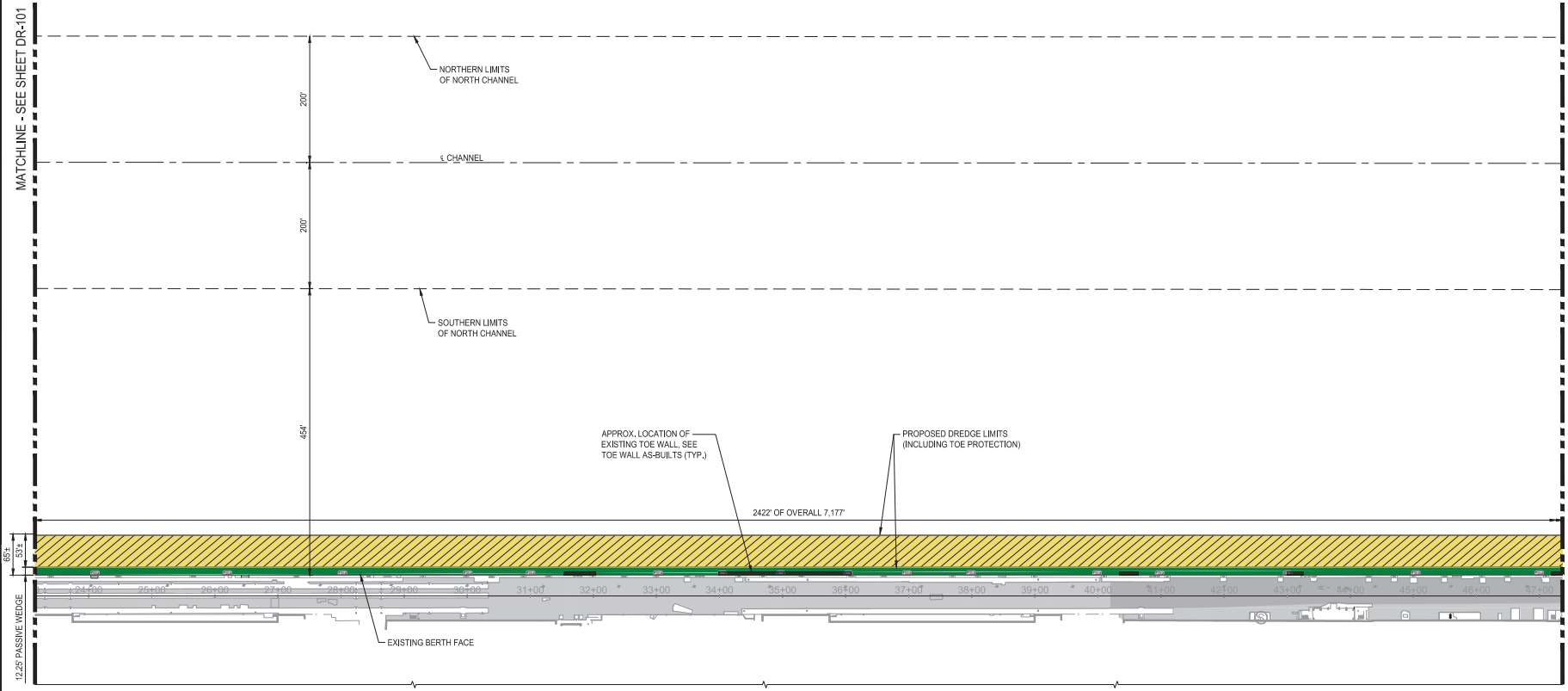
No.	DESCRIPTION	DATE
1		

ATKINS
DESIGN CRITERIA PROFESSIONAL
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 12-16-21 SCALE: AS NOTED
SHEET DR-101
DWG. No. X of XX

MDC034

Mar 24, 2023 – 3:58pm MALD1252 \\wsatkins.com\Project\USTLEV\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\ Proposal NCB 1-6\06 Drawings – 30 Pct\02 Marina\Permit\ DR-100 OVERALL DREDGING PLANS.dwg



OVERALL DREDGE PLAN - 2

SCALE: 1" = 80'

LEGEND:

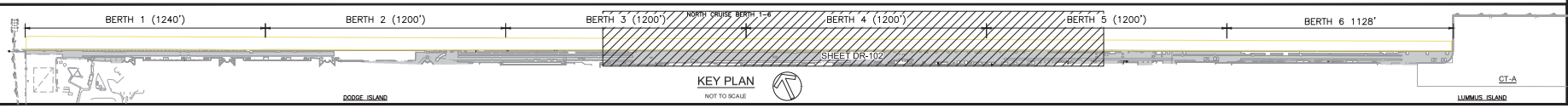
OVERALL PROJECT DREDGE AREA TO EL. (-)43.0 NGVD
7,168FT FOR NEW BULKHEAD + 9FT FOR TOE PROTECTION = 7,177FT

12.25-FOOT-WIDE PASSIVE WEDGE: NO EXCAVATION IN THIS AREA;
USE EXTREME CAUTION AROUND EXIST. SCOUR BOWL TOE WALLS.

NOTES:

1. DESIGN-BUILDER TO PERFORM A PRE-CONSTRUCTION AND POST CONSTRUCTION BATHYMETRIC SURVEY OF PROJECT AREA. NO MATERIAL SHALL SHOAL INTO THE CHANNEL DURING CONSTRUCTION.
2. EXISTING BATHYMETRY SHOWN PROVIDED BY: SPECIFIC PURPOSE SURVEY BULKHEAD MONITORING OF PORTMIAMI CRUISE TERMINALS, PERFORMED BY MORGAN & EKLUND DATED APRIL 21, 2021. COMMISSION NUMBER 35765
3. ALL DREDGE QUANTITIES ARE APPROXIMATE AND BASED UPON THE CONCEPTUAL DESIGN FROM DCD. FINAL QUANTITIES AND DREDGE LIMITS ARE THE RESPONSIBILITY OF THE DESIGN-BUILDER AND SHALL BE COORDINATED WITH THE FINAL PERMIT AND APPROPRIATE REGULATORY AGENCIES. THE DREDGE TEMPLATE SHOWN IS BASED UPON 54 FT OFFSET. THE DREDGING CANNOT EXCEED THE VALUES IN THE PERMIT.
4. THE DESIGN -BUILDER IS RESPONSIBLE FOR DETERMINING THE FINAL CONFIGURATION FOR THE DREDGE TEMPLATE, IN ACCORDANCE WITH THE PERMIT REQUIREMENTS.

0 80' 160'
SCALE: 1" = 80'



KEY PLAN
NOT TO SCALE

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

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION
THESE PLANS ARE INTENDED FOR REFERENCE TO DESIGN CRITERIA DOCUMENT

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2020-007

SHEET NAME: OVERALL DREDGE PLAN - 2

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

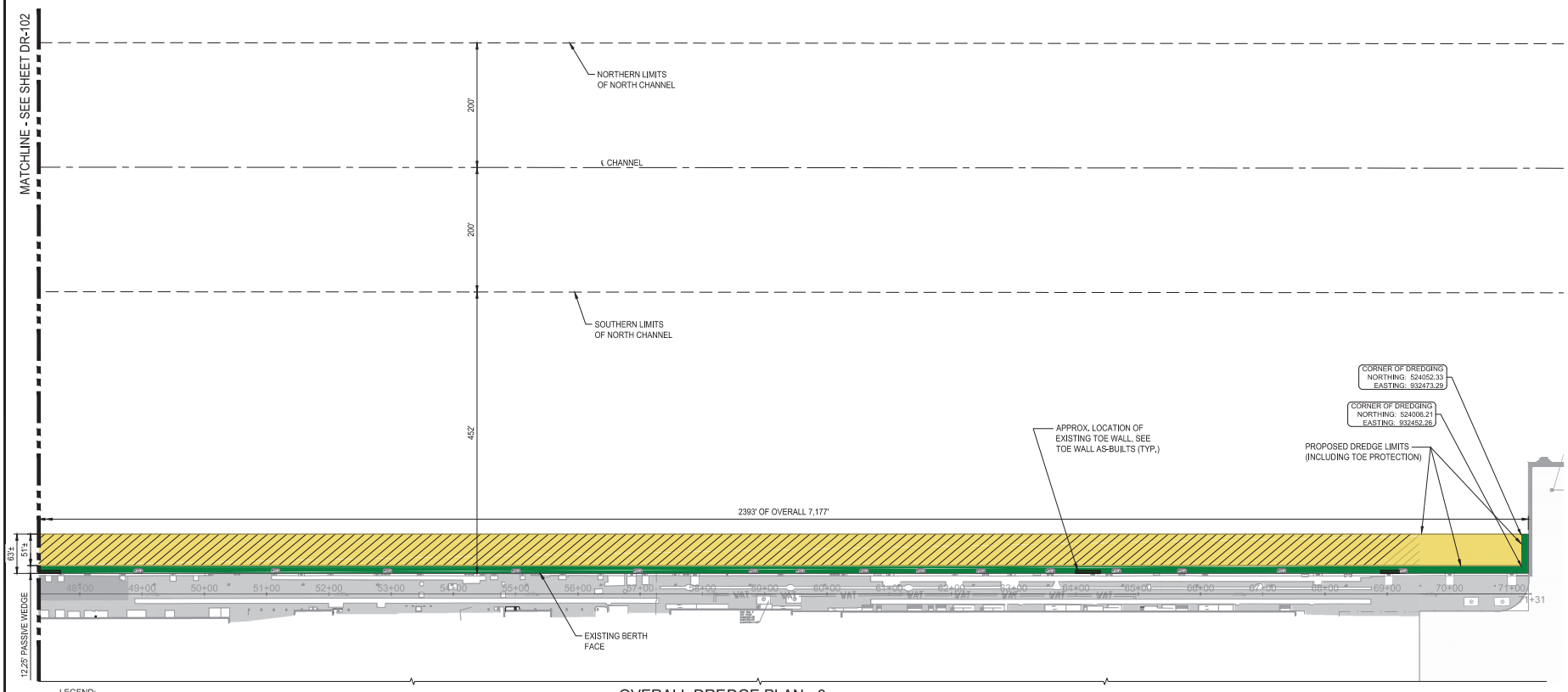
No.	DESCRIPTION	DATE
1		

ATKINS
DESIGN CRITERIA PROFESSIONAL
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 12-16-21 SCALE: AS NOTED
SHEET DR-102
DWG. No. X of XX

MDC035

Mar 24, 2023 – 3:58pm MALD1252 \\wsatkins.com\Project\USTLEB\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Task 01 Proposal N08 1-6\06 Drawings – 30 Pct\02 Marina\Permit\ DR-100 OVERALL DREDGING PLANS.dwg



OVERALL DREDGE PLAN - 3

SCALE: 1" = 80'

LEGEND:

OVERALL PROJECT DREDGE AREA TO EL. (-)43.0 NGVD
7,168FT FOR NEW BULKHEAD + 9FT FOR TOE PROTECTION = 7,177FT

12.25-FOOT-WIDE PASSIVE WEDGE: NO EXCAVATION IN THIS AREA;
USE EXTREME CAUTION AROUND EXIST. SCOUR BOWL TOE WALLS.

NOTES:

1. DESIGN-BUILDER TO PERFORM A PRE-CONSTRUCTION AND POST CONSTRUCTION BATHYMETRIC SURVEY OF PROJECT AREA. NO MATERIAL SHALL SHOAL INTO THE CHANNEL DURING CONSTRUCTION.
2. EXISTING BATHYMETRY SHOWN PROVIDED BY: SPECIFIC PURPOSE SURVEY BULKHEAD MONITORING OF PORTMIAMI CRUISE TERMINALS, PERFORMED BY MORGAN & EKLUND DATED APRIL 21, 2021. COMMISSION NUMBER 35765
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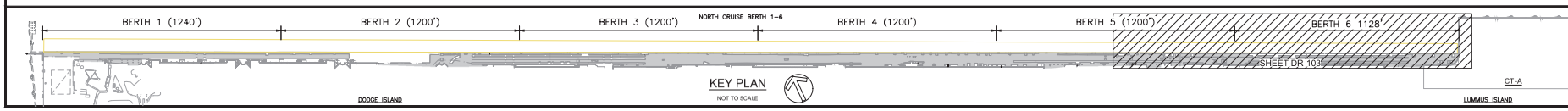
SCALE: 1" = 80'



KEY PLAN
NOT TO SCALE

PORTMIAMI

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

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION
THESE PLANS ARE INTENDED FOR REFERENCE TO DESIGN CRITERIA DOCUMENT

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2020-007

SHEET NAME
OVERALL DREDGE PLAN - 3

WARNING!

This record contains Sensitive Security Information that is controlled under 49 CFR Part 1520. No part of this record may be disclosed to persons without "hneed to know", as identified in 49 CFR 1520.5, except with the written permission of the Secretary of Homeland Security. Unauthorized release may result in civil penalty or other action. For U.S. Government agencies, public disclosure is governed by U.S.C. 552 and 49 CFR 1520.

DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

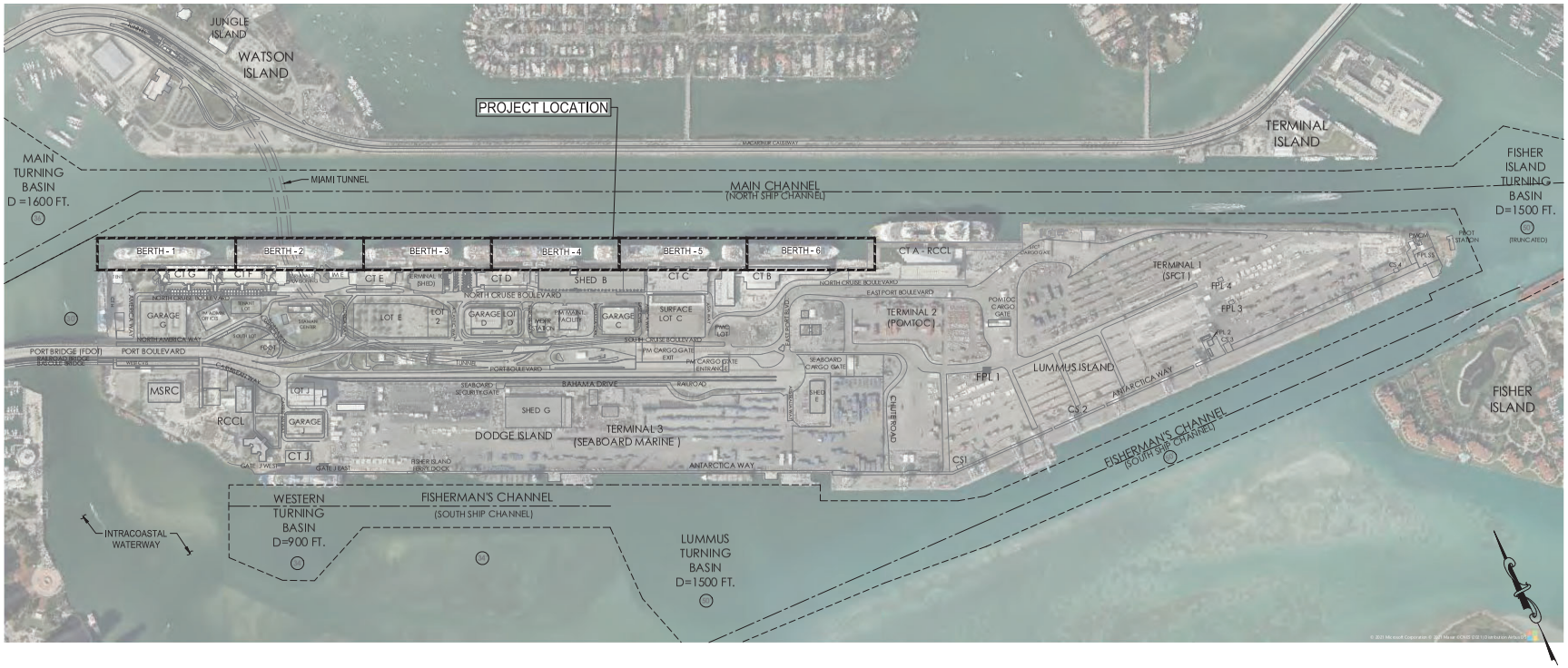
No.	DESCRIPTION	DATE
1		

ATKINS
DESIGN CRITERIA PROFESSIONAL
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 12-16-21 SCALE: AS NOTED
SHEET DR-103
DWG. No. X of XX

MDC036

Mar 24, 2023 – 3:59pm MALD1252 \\wsatkins.com\Project\USTLEB\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\ Task Proposal NCB 1-6\06 Drawings – 30 Pct\02 Marina\Permit\ DR-100 OVERALL DREDGING PLANS.dwg



OVERALL MARINE STRUCTURAL PLAN

SCALE: 1" = 500'

PORTMIAMI

ATKINS

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

OVERALL MARINE STRUCTURAL PLAN

SHEET NAME

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD

DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER

03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME:

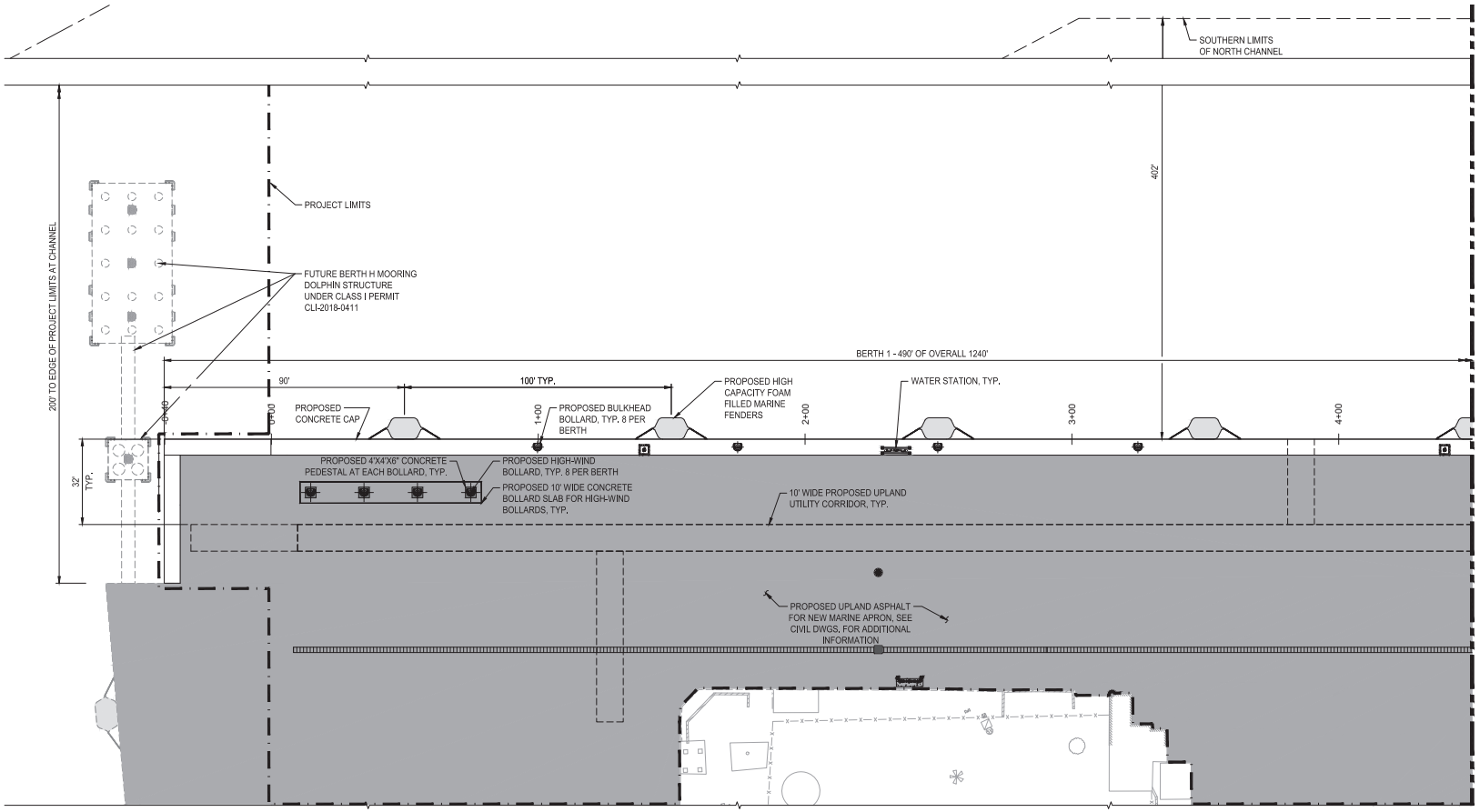
DATE: 07-02-21 | SCALE: AS NOTED

SHEET S-100

DWG. No. X of XX

MDC057

Aug 03, 2021 – 3:23pm STEW2100 G:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO#08 – Design Criteria\Dwg\08 – 30 Pct\02 Marine\Permit\ S-100 OVERALL PROPOSED MARINE PLANS.dwg



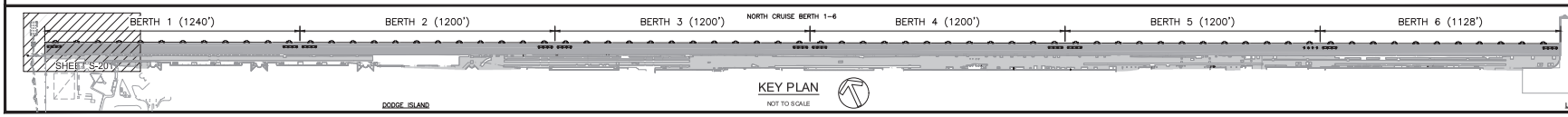
ENLARGED MARINE STRUCTURAL UPPER PLAN "A"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "A"

WARNING!

This record contains Sensitive Security Information that is controlled under 49 CFR Part 1520. No part of this record may be disclosed to persons without "need to know", as identified in 49 CFR 1520.5, except with the written permission of the Secretary of Homeland Security. Unauthorized release may result in civil penalty or other action. For U.S. Government agencies, public disclosure is governed by U.S.C. 552 and 49 CFR 1520.

DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

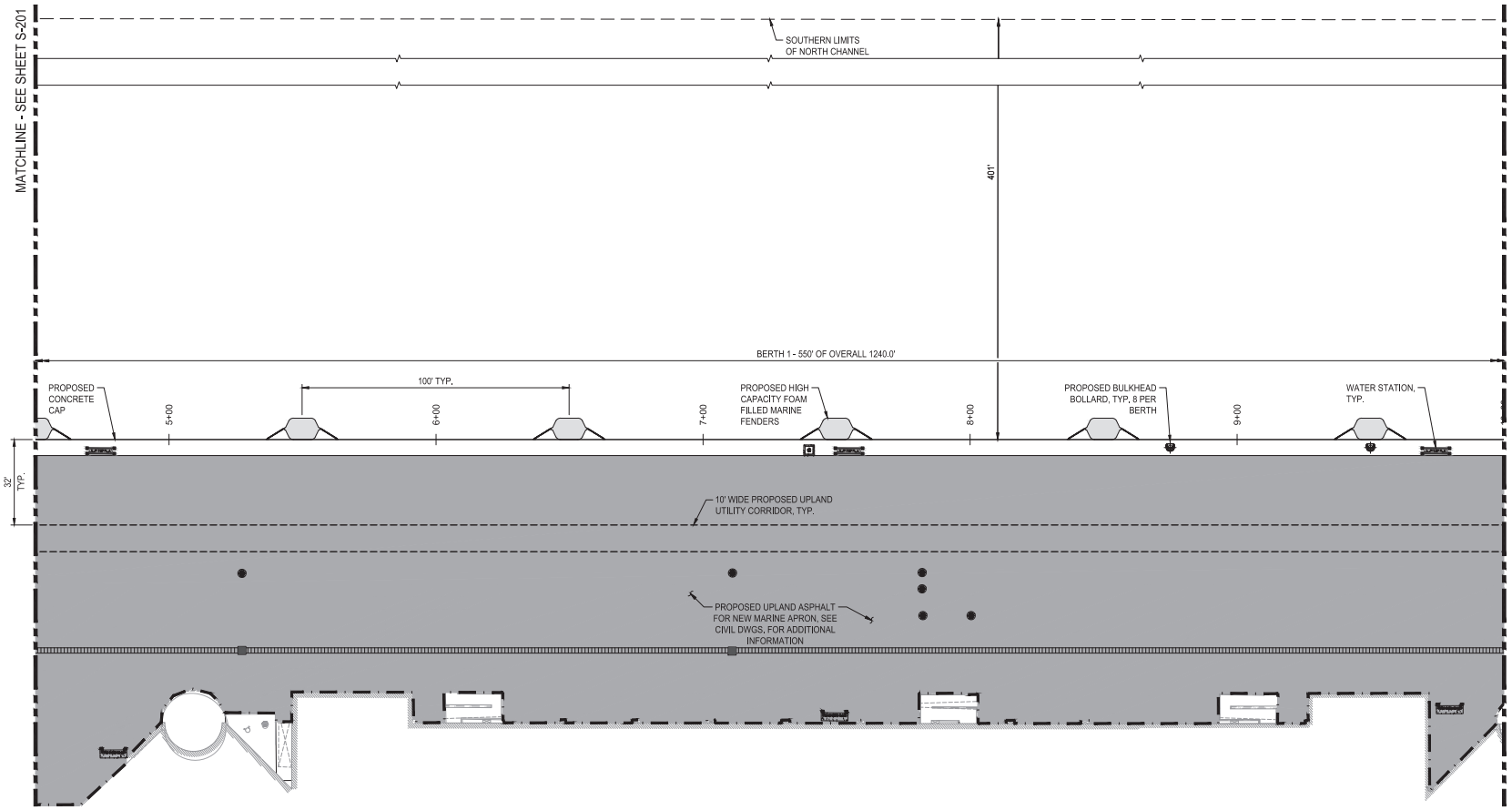
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-201
DWG. No. X of XX

Oct 25, 2021 – 6:29pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg

MDC088



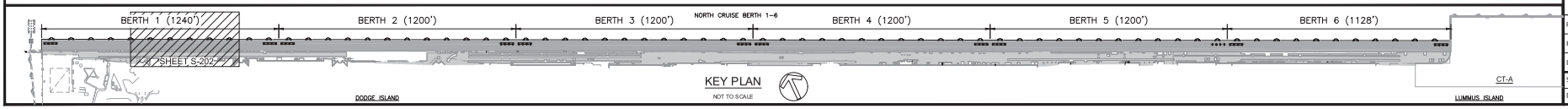
ENLARGED MARINE STRUCTURAL UPPER PLAN "B"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "B"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

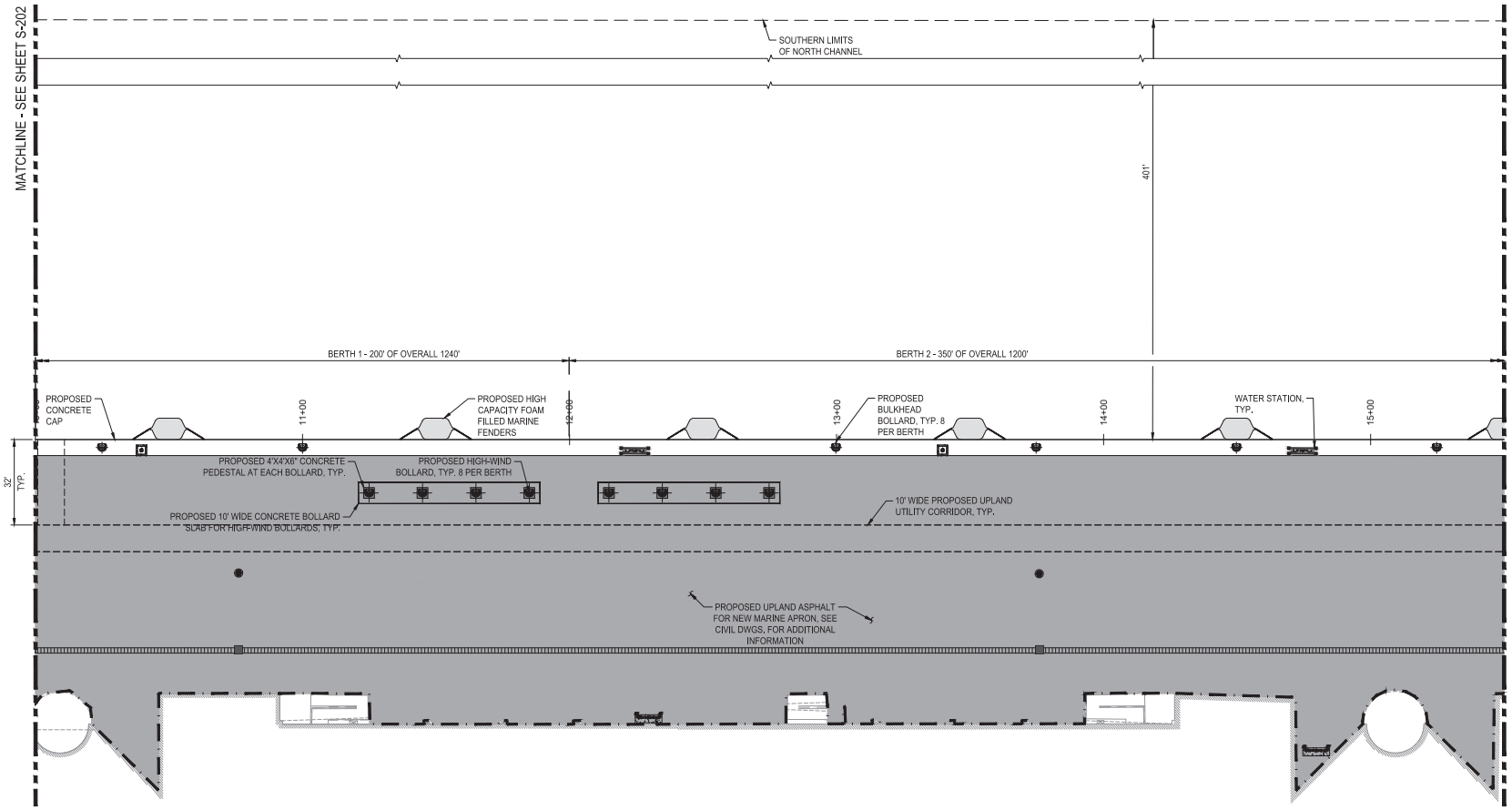
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-202
DWG. No. X of XX

MDC059

Oct 26, 2021 – 9:35am DEA86952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



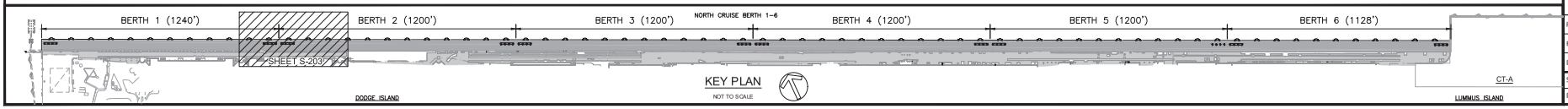
ENLARGED MARINE STRUCTURAL UPPER PLAN "C"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "C"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

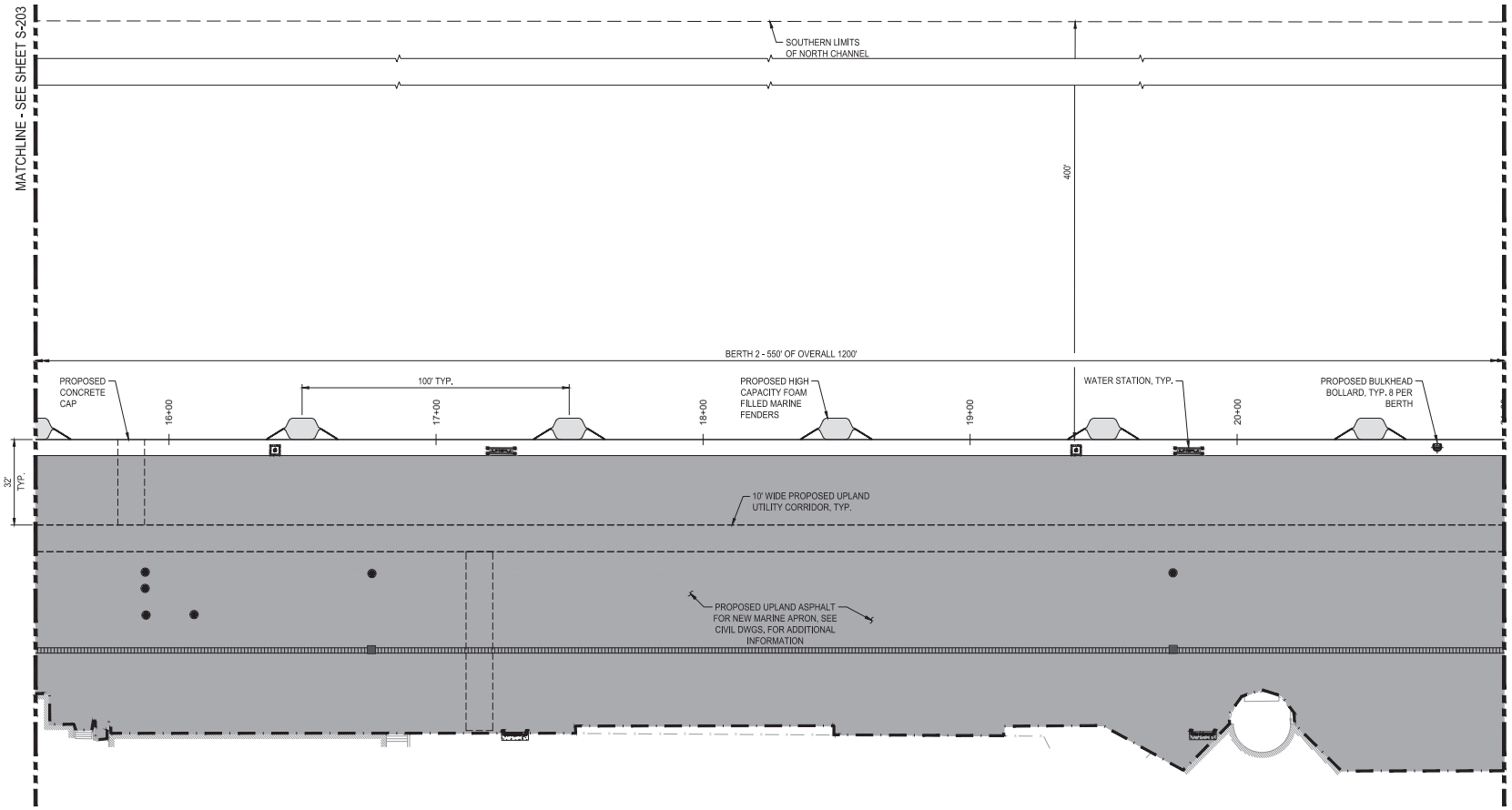
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-203
DWG. No. X of XX

MDC040

Oct 25, 2021 – 6:22pm DEA86952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



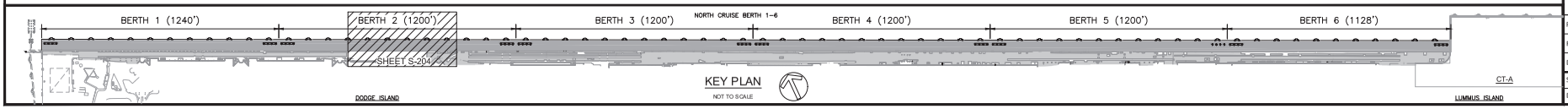
ENLARGED MARINE STRUCTURAL UPPER PLAN "D"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "D"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

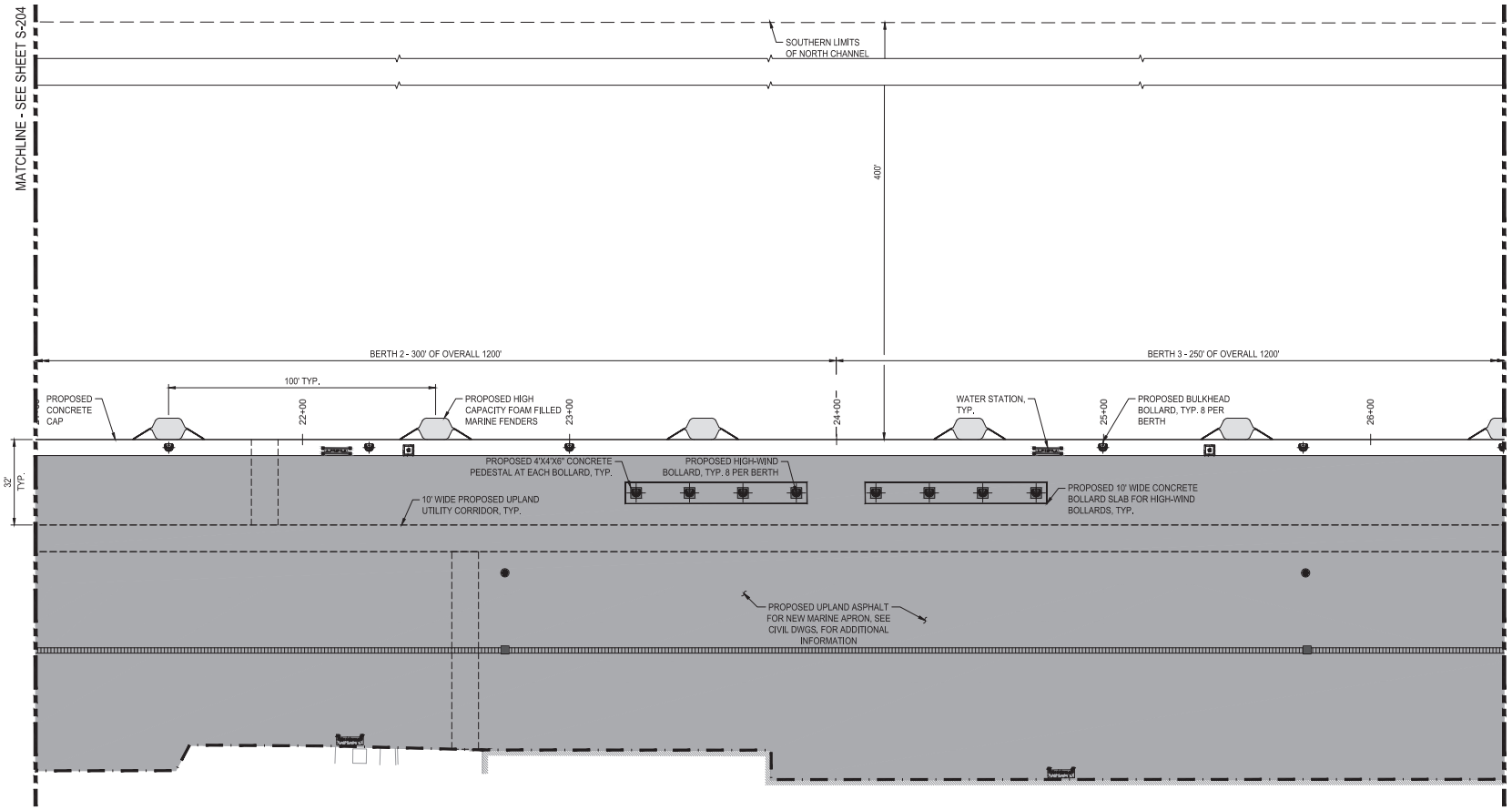
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-204
DWG. No. X of XX

MDC04

Oct 25, 2021 – 6:19pm DEA86952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



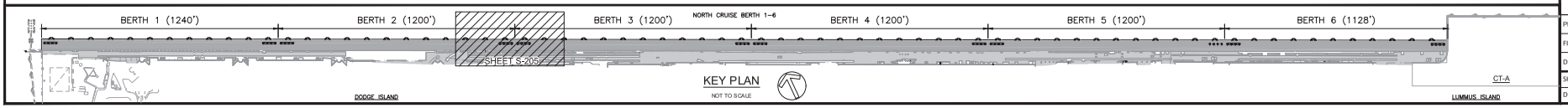
ENLARGED MARINE STRUCTURAL UPPER PLAN "E"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "E"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

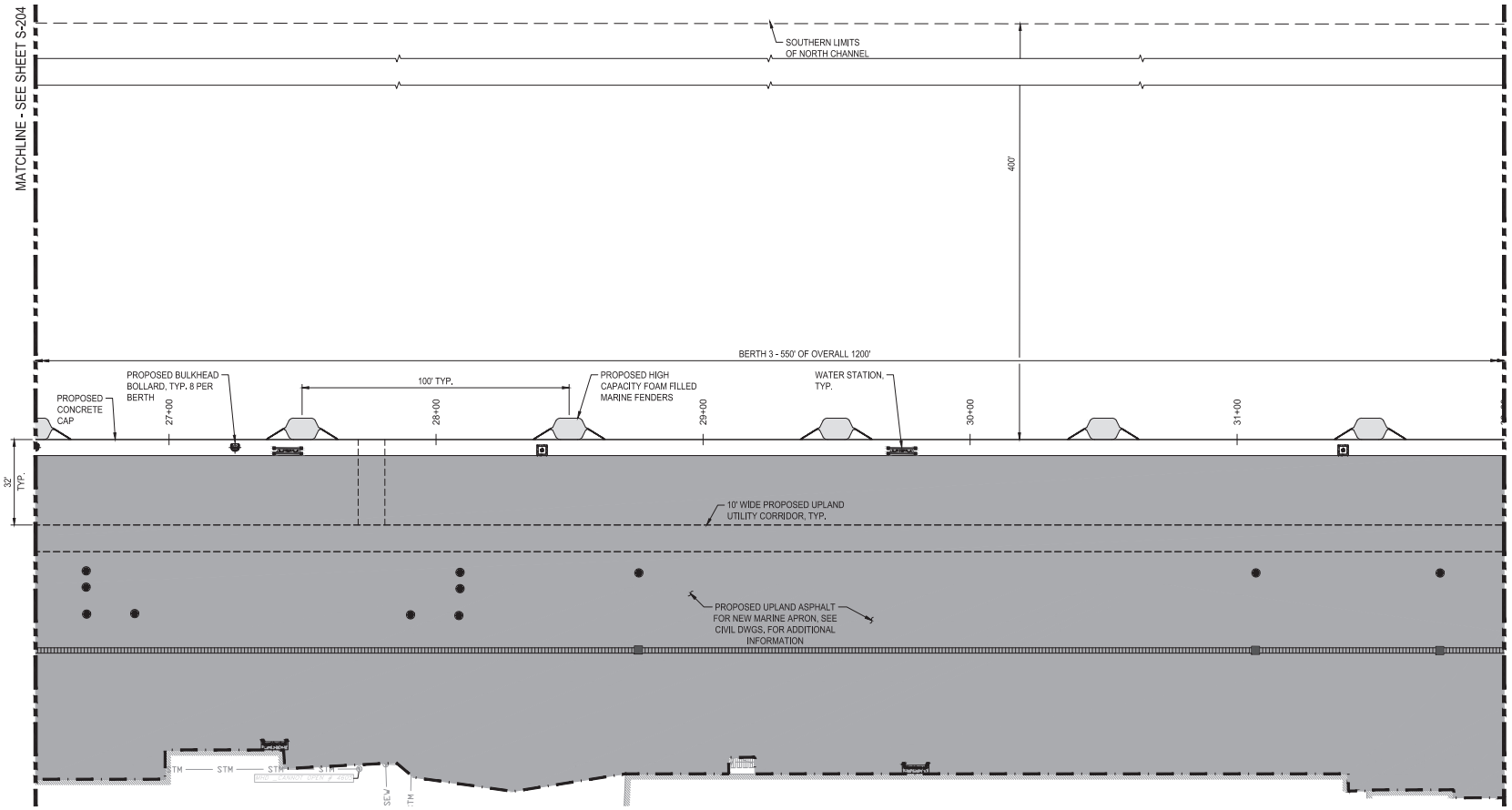
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-205
DWG. No. X of XX

MDC042

Oct 25, 2021 – 6:16pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



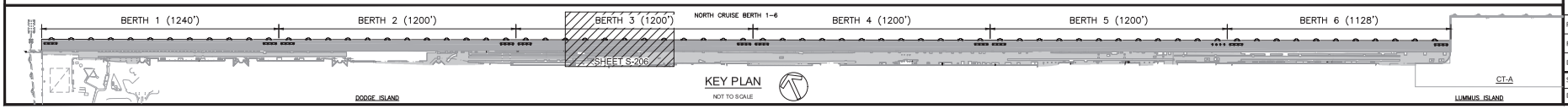
ENLARGED MARINE STRUCTURAL UPPER PLAN "F"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "F"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

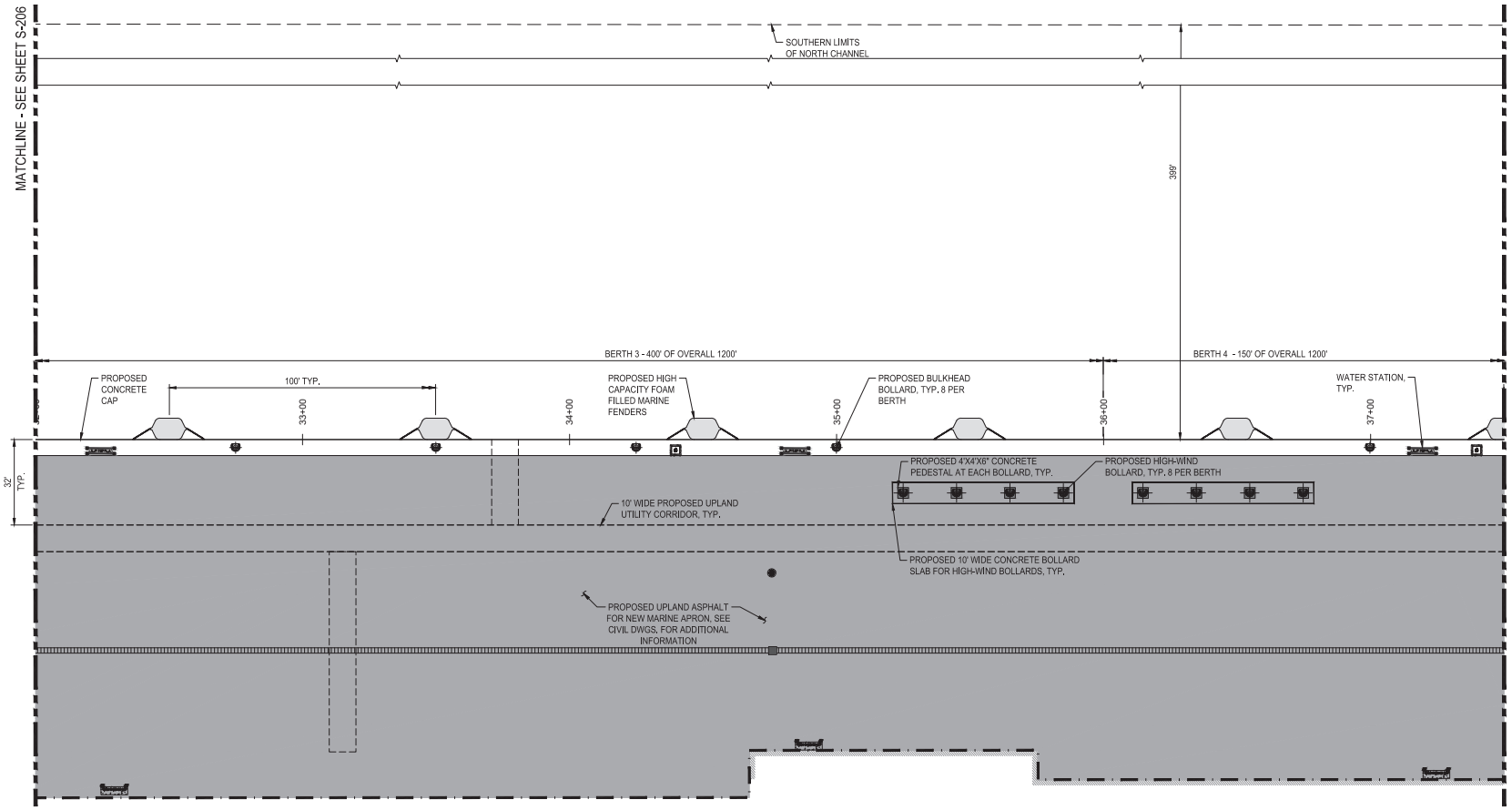
No.	DESCRIPTION	DATE
1		

ATKINS ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-206
DWG. No. X of XX

Oct 26, 2021 – 9:36am DEA86952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wolf58 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg

MDC043



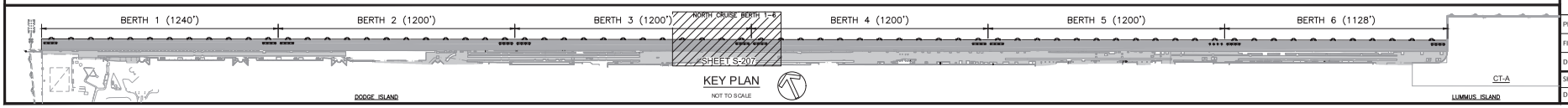
ENLARGED MARINE STRUCTURAL UPPER PLAN "G"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "G"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

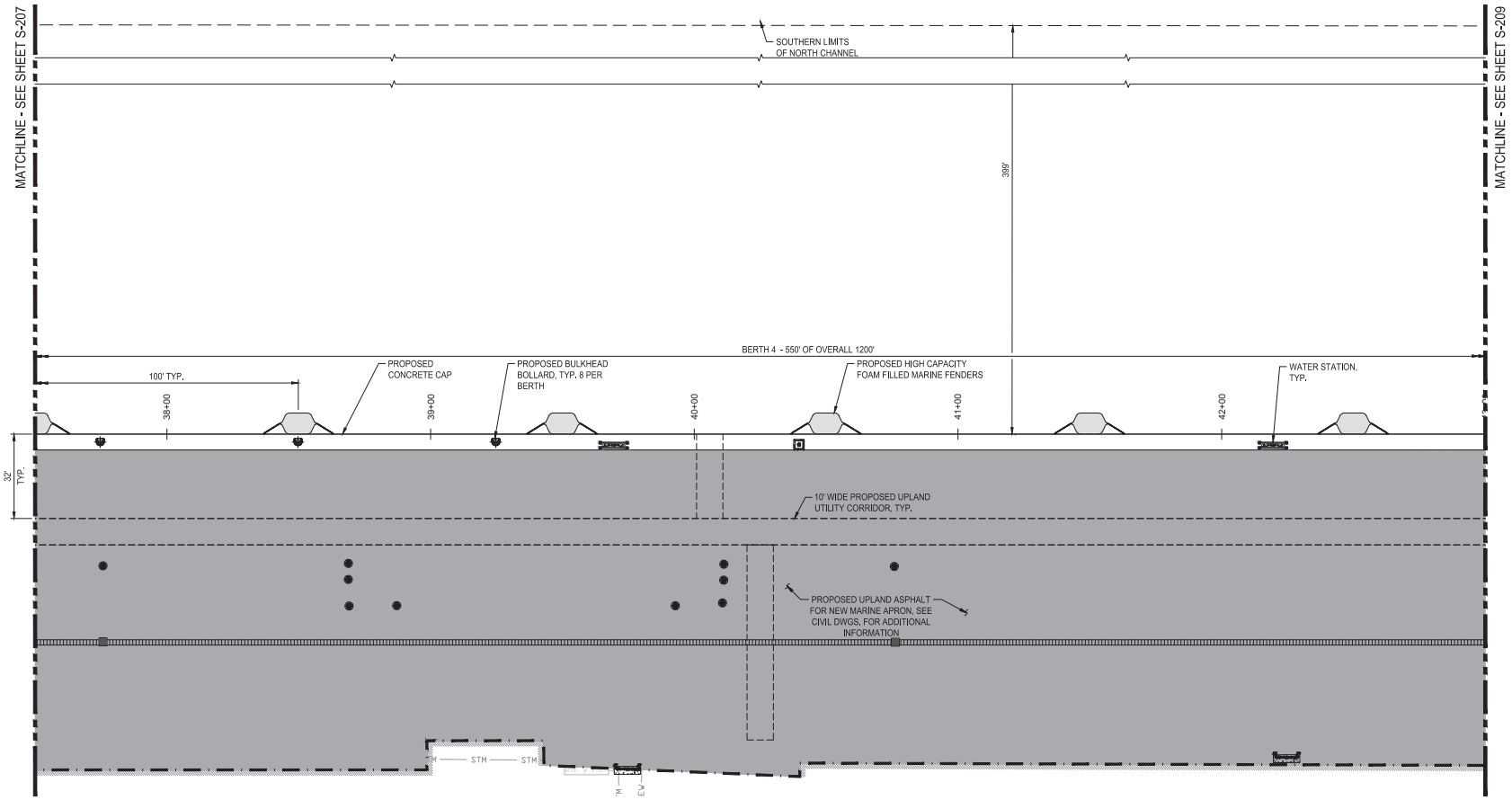
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-207
DWG. No. X of XX

MDC044

Oct 25, 2021 – 6:09pm DEA86952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



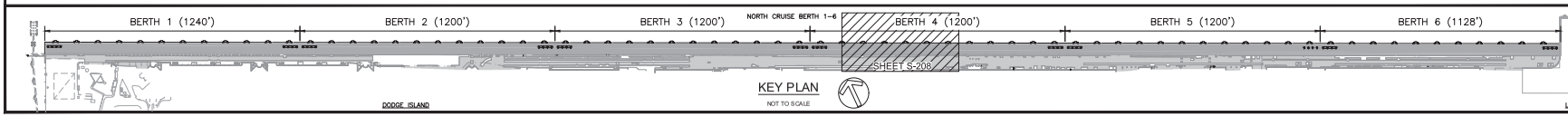
ENLARGED MARINE STRUCTURAL UPPER PLAN "H"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "H"

WARNING!

This record contains Sensitive Security Information that is controlled under 49 CFR Part 1520. No part of this record may be disclosed to persons without "need to know", as identified in 49 CFR 1520.5, except with the written permission of the Secretary of Homeland Security. Unauthorized release may result in civil penalty or other action. For U.S. Government agencies, public disclosure is governed by U.S.C. 552 and 49 CFR 1520.

DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

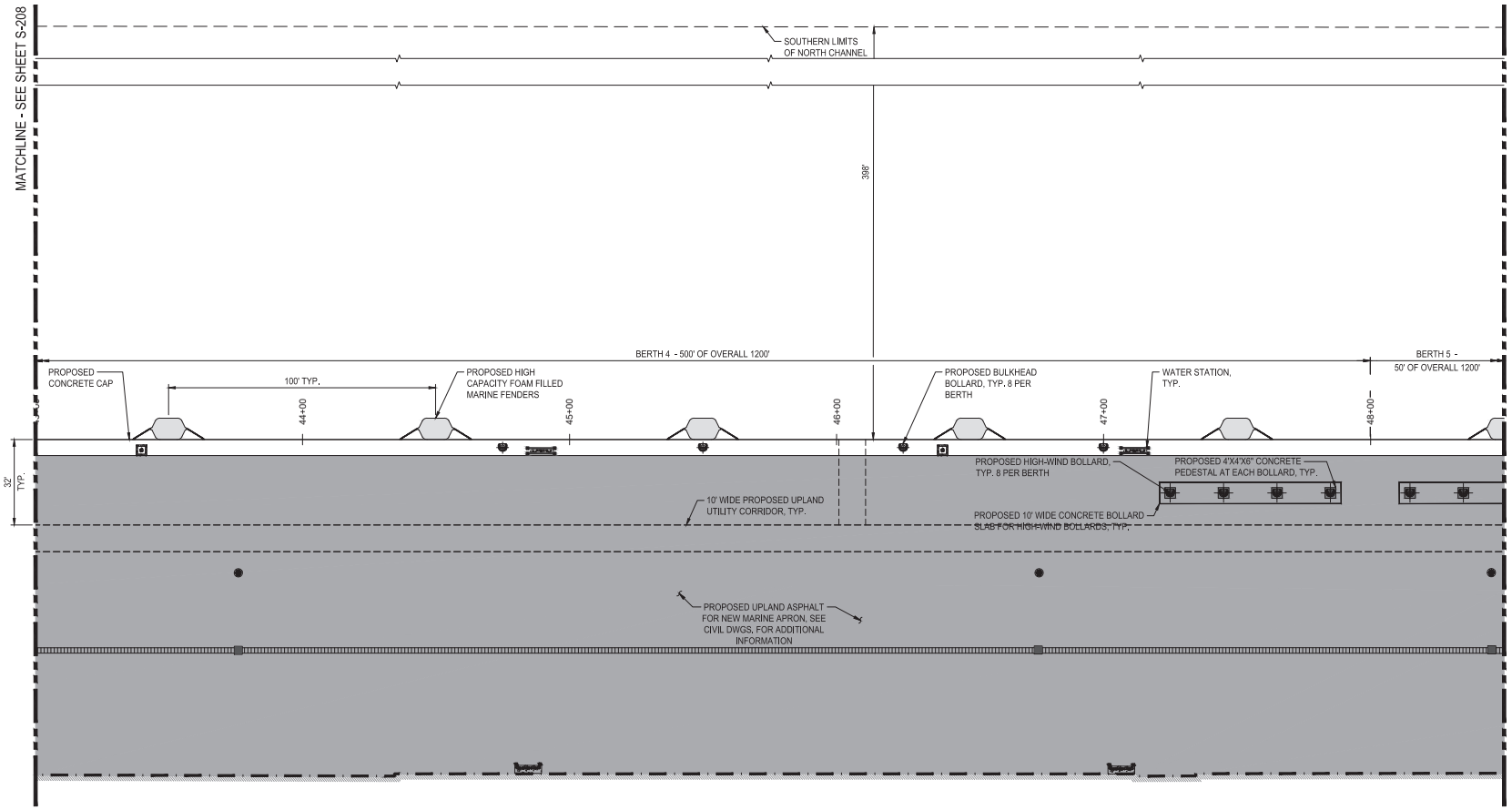
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-208
DWG. No. X of XX

MD0045

Oct 25, 2021 – 6:03pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



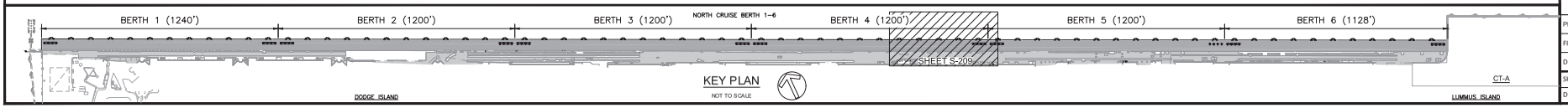
ENLARGED MARINE STRUCTURAL UPPER PLAN "I"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "I"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

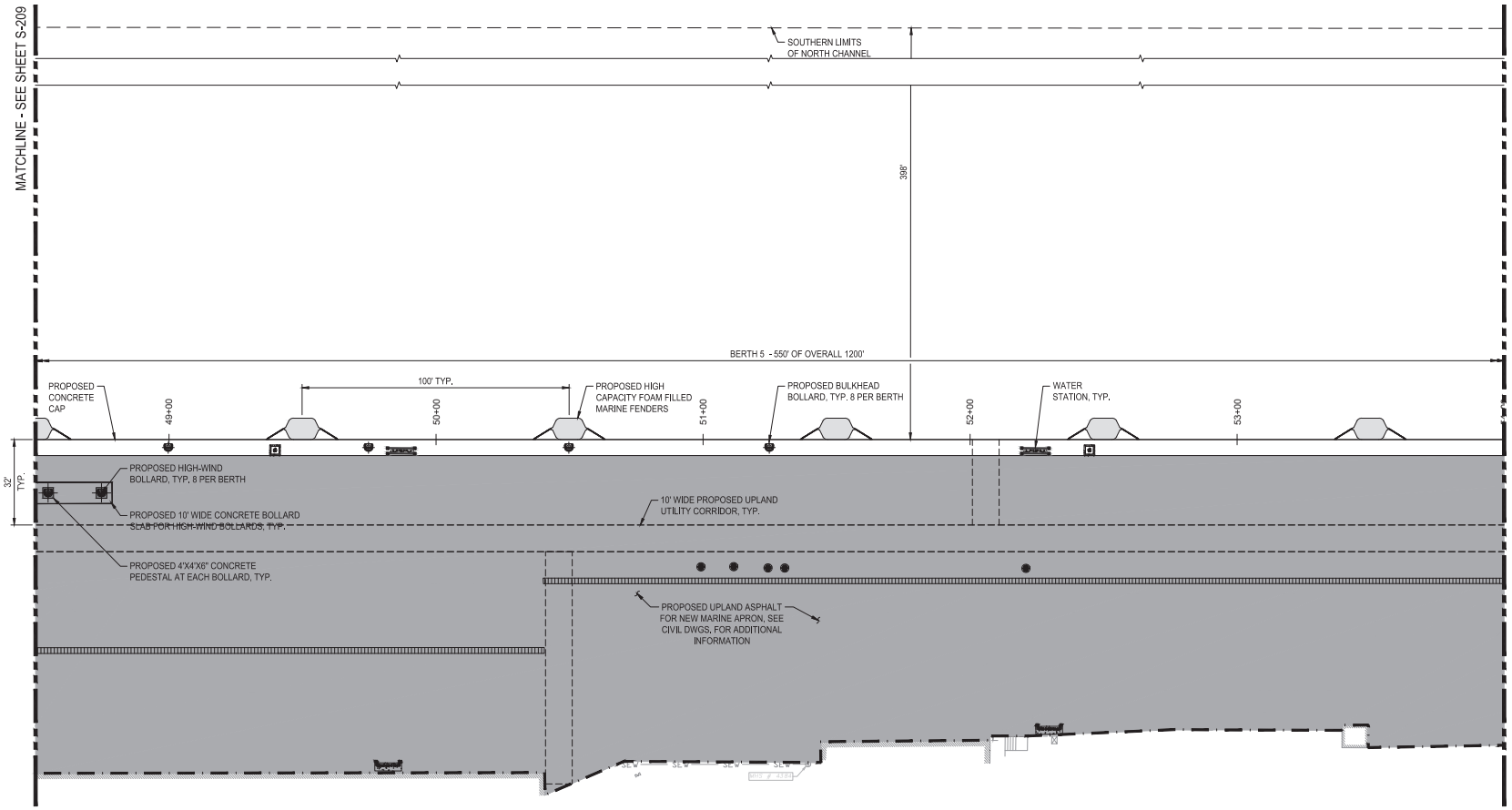
No.	DESCRIPTION	DATE
1		

ATKINS ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-209
DWG. No. X of XX

Oct 25, 2021 – 5:59pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg

MDC048



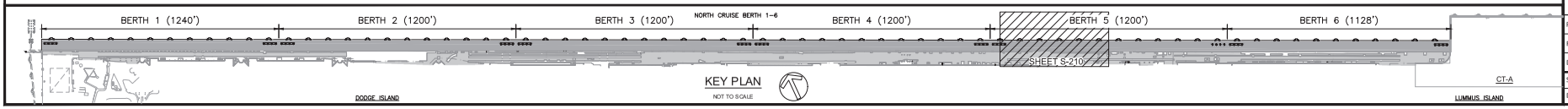
ENLARGED MARINE STRUCTURAL UPPER PLAN "J"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "J"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

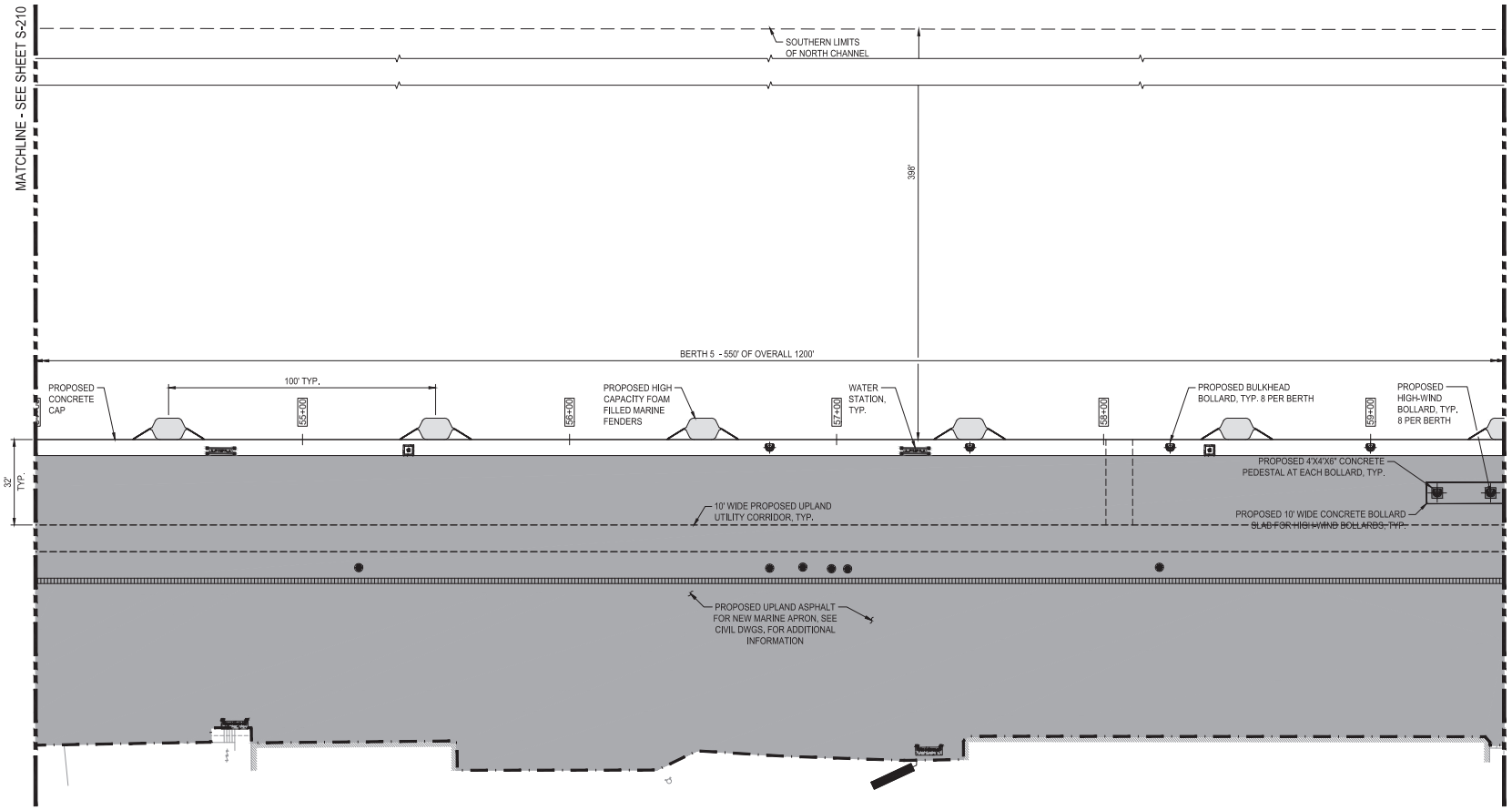
No.	DESCRIPTION	DATE
1		

ATKINS ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-210
DWG. No. X of XX

MDC047

Oct 25, 2021 – 5:55pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



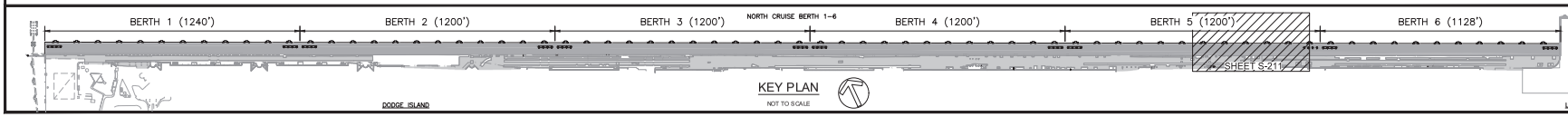
ENLARGED MARINE STRUCTURAL UPPER PLAN "K"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

CT-A

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "K"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

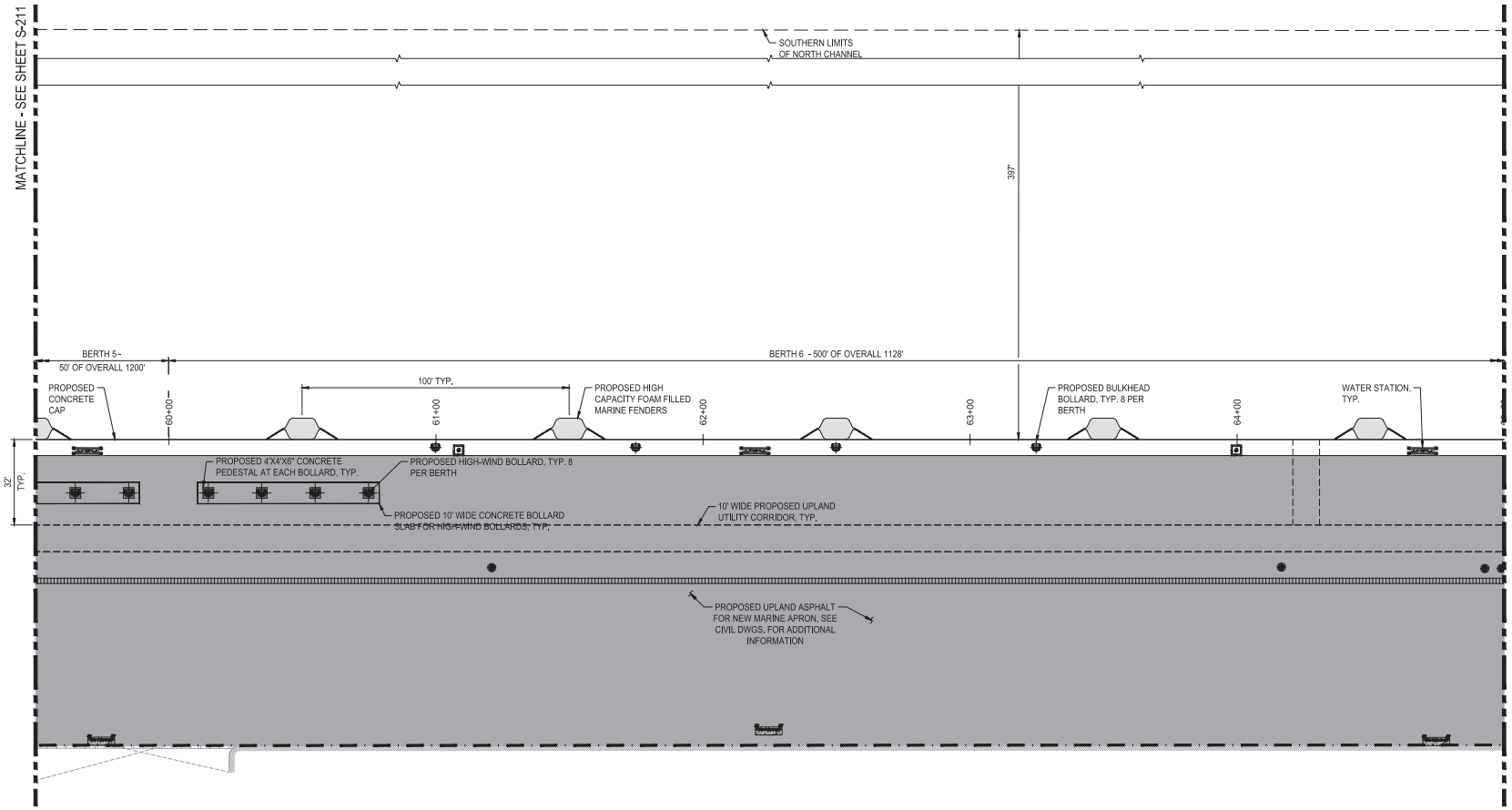
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-211
DWG. No. X of XX

MDC048

Oct 26, 2021 – 1:32pm STEW2100 G:\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\WO08 – Design Criteria\Dwg\WO08 – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



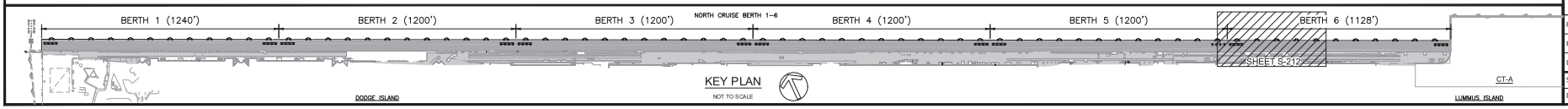
ENLARGED MARINE STRUCTURAL UPPER PLAN "L"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "L"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

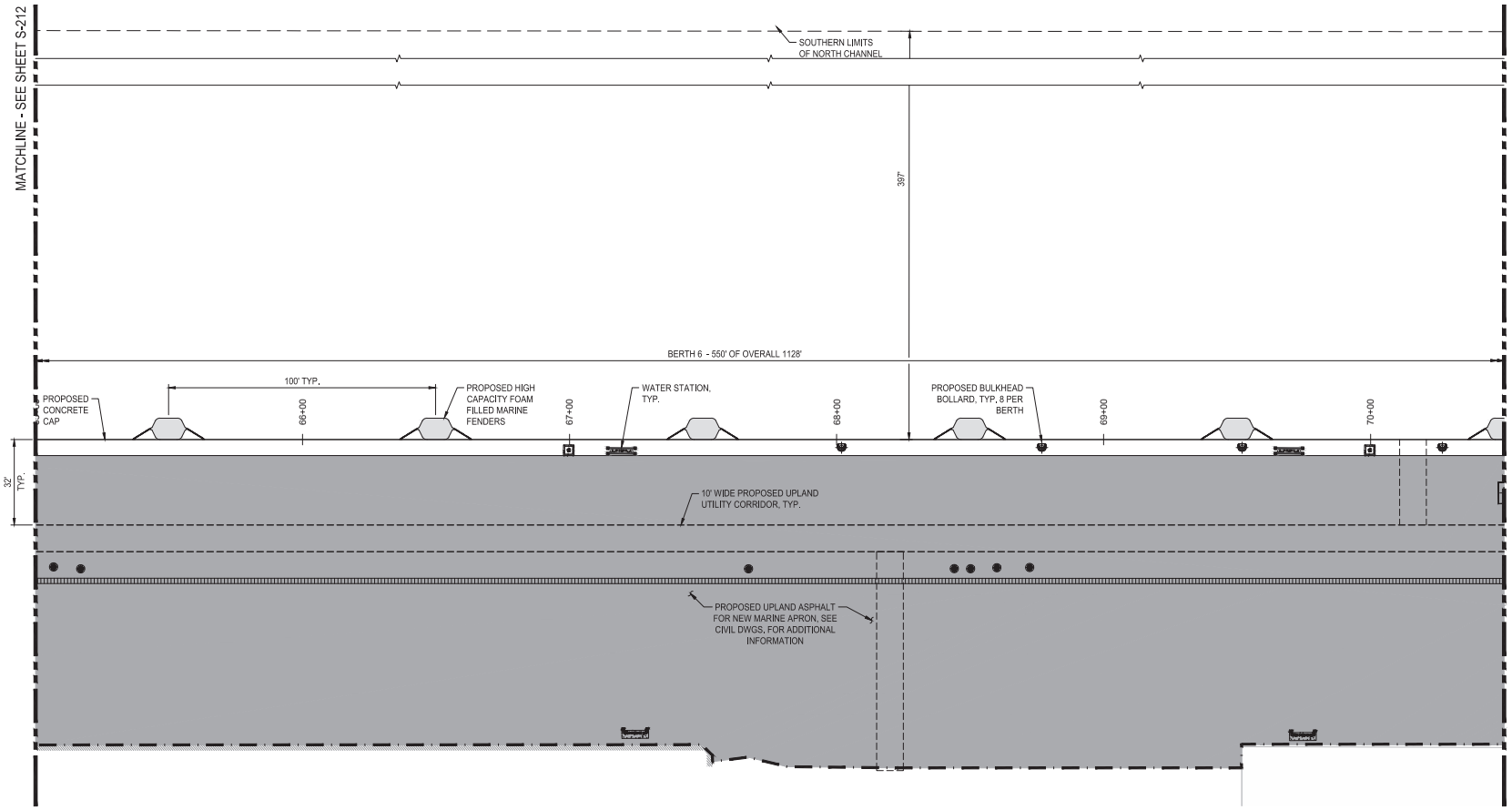
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-212
DWG. No. X of XX

MD0049

Oct 26, 2021 – 9:36am DEA86952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



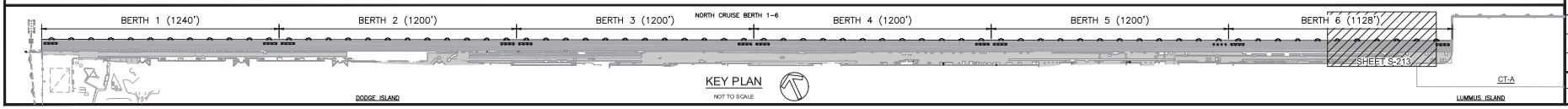
ENLARGED MARINE STRUCTURAL UPPER PLAN "M"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "M"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

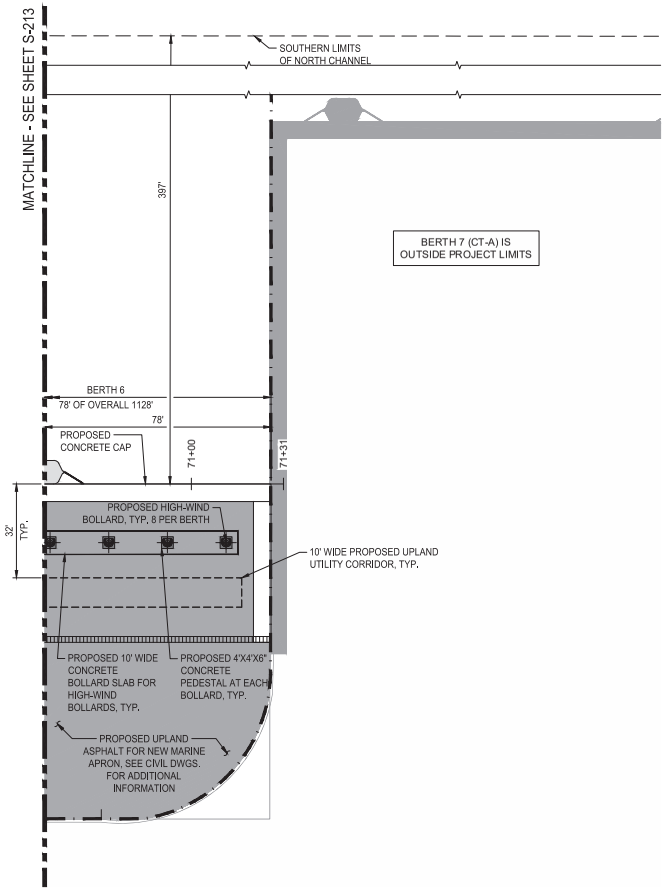
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-213
DWG. No. X of XX

Oct 25, 2021 – 5:46pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Out Drawings – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg

MDC050



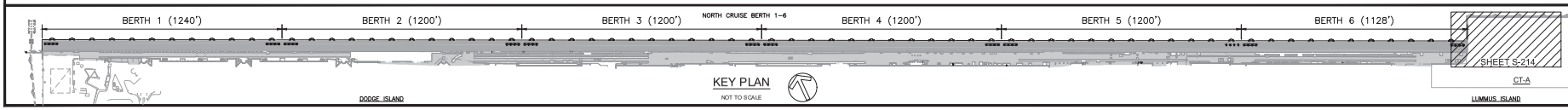
ENLARGED MARINE STRUCTURAL UPPER PLAN "N"

SCALE: 1" = 20'

LEGEND

- PROPOSED FENDER
- PROPOSED BOLLARD
- PROPOSED UPLAND WATER STATION (SEE CIVIL DWGS)
- PROPOSED UPLAND BACKFLOW PREVENTER (SEE CIVIL DWGS)
- PROPOSED UPLAND FIRE HYDRANT (SEE CIVIL DWGS)
- PROPOSED UPLAND MANHOLE (SEE CIVIL DWGS)
- PROPOSED UPLAND CATCH BASIN (SEE CIVIL DWGS)
- PROPOSED UPLAND TRENCH DRAIN (SEE CIVIL DWGS)
- PROJECT LIMITS

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



KEY PLAN
NOT TO SCALE

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: ENLARGED MARINE STRUCTURAL UPPER PLAN "N"

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

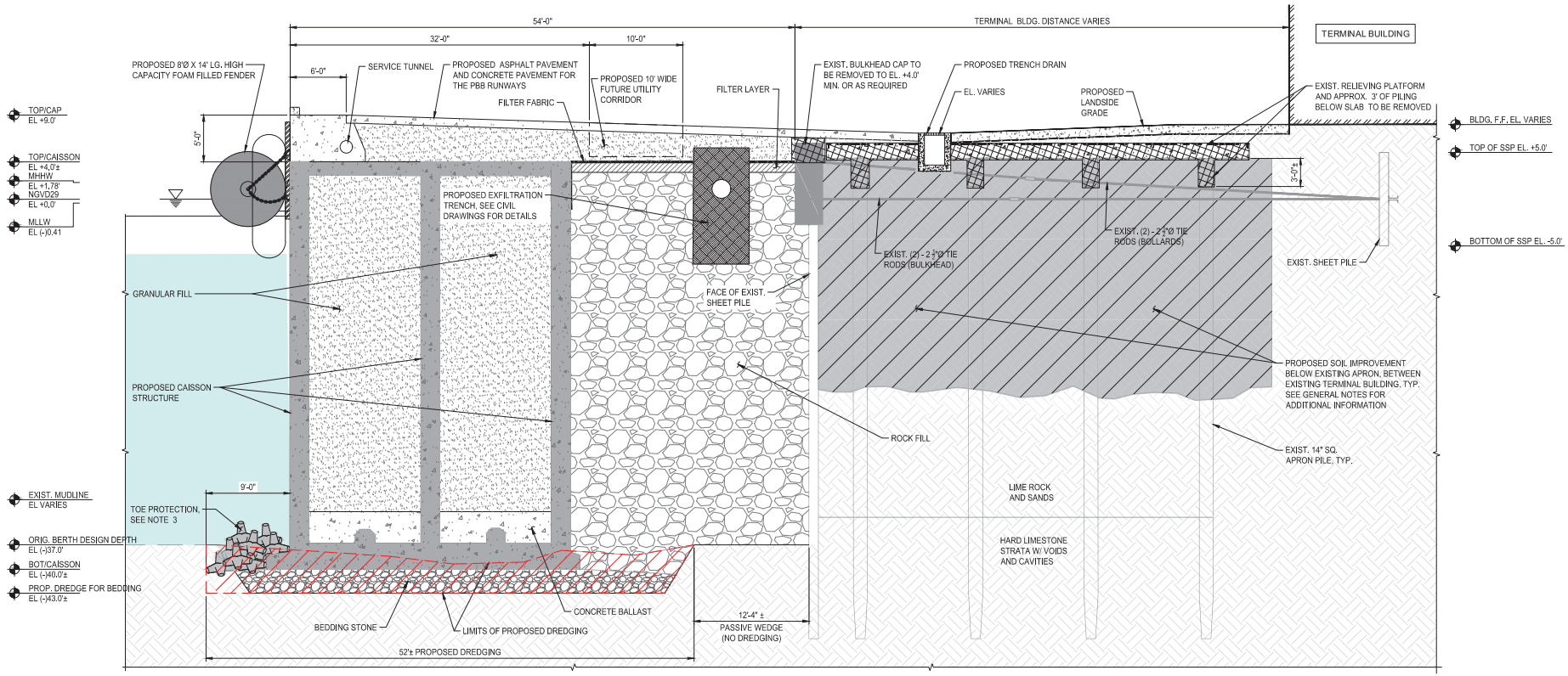
No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-214
DWG. No. X of XX

MD0051

Oct 25, 2021 – 5:34pm DEAB6952 X:\Civil\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-01\Projects\Wo08 – Design Criteria Package – 30 Pct\02 Marine\Permit\ S-201 ENLARGED MARINE UPPER PLANS-rev1.dwg



TYPICAL SECTION - PROPOSED

SCALE: 3/16" = 1'-0"

LEGEND

- AREA OF DEMOLITION
- LIMITS OF PROPOSED DREDGING

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

NOTES:

1. REBAR NOT SHOWN FOR CLARITY.
2. DIMENSIONS ARE PRELIMINARY.
3. TOE PROTECTION SHALL BE DESIGNED TO PREVENT MOVEMENT FROM FORCES GENERATED FROM PROP THRUST FROM CRUISE SHIP OPERATIONS. TOE PROTECTION SHALL BE PRECAST ARMOR UNITS, SUCH AS TETRAPODS, OR SIMILAR UNITS. SURFACE OF UNITS SHALL BE COARSE TO ALLOW FOR CORAL COLONIES TO ADHERE TO SURFACE. SEE SHEET G-001 FOR ADDITIONAL INFORMATION ON TOE PROTECTION..

PORTMIAMI

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME: TYPICAL SECTION - PROPOSED

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

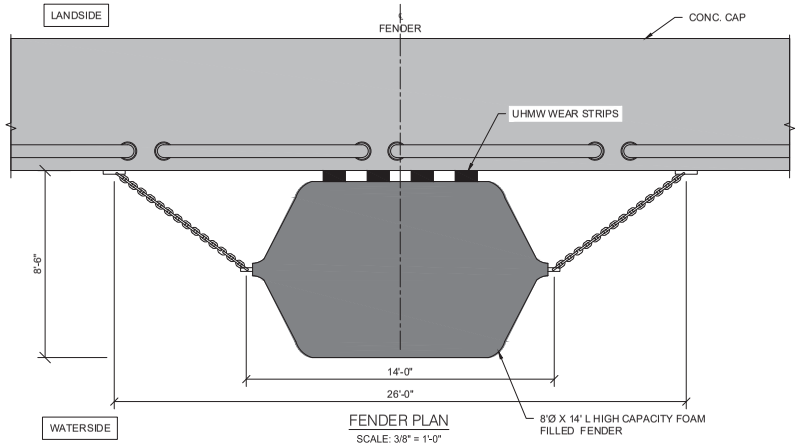
No.	DESCRIPTION	DATE
1		

ATKINS ENGINEER OF RECORD
DESI. M. MALDONADO LICENSE No. 72978 STATE OF FLORIDA PROFESSIONAL ENGINEER
04/04/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-02-21 SCALE: AS NOTED
SHEET S-300
DWG. No. X of XX

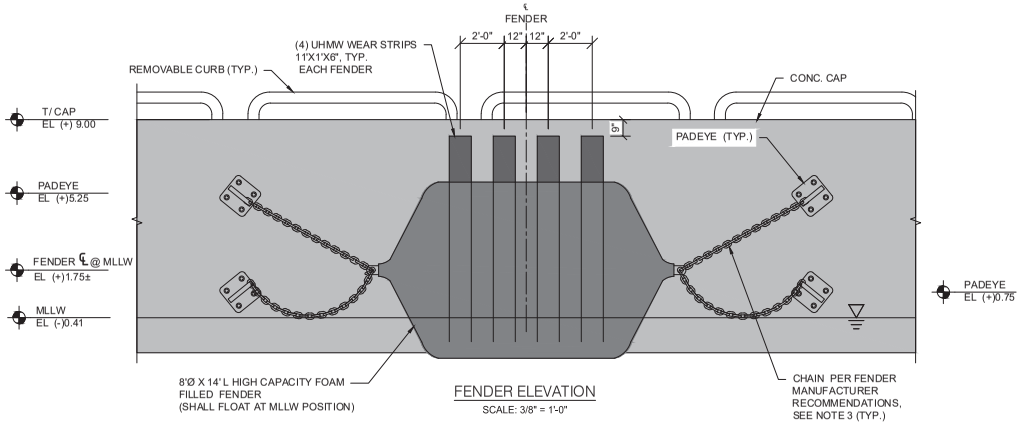
MDC052

Mar 30, 2023 – 11:45am MALD1252 \\wsatlns.com\Project\USTLB\CIVIL\Coastal Engineering\Projects\PORTS\Port of Miami – E18-SEA-0[illegible] Proposal NCB 1-6\06 Drawings – 30 Pct\02 Marine\Permit\ S-300 STRUCTURAL SECTIONS-rev3.dwg



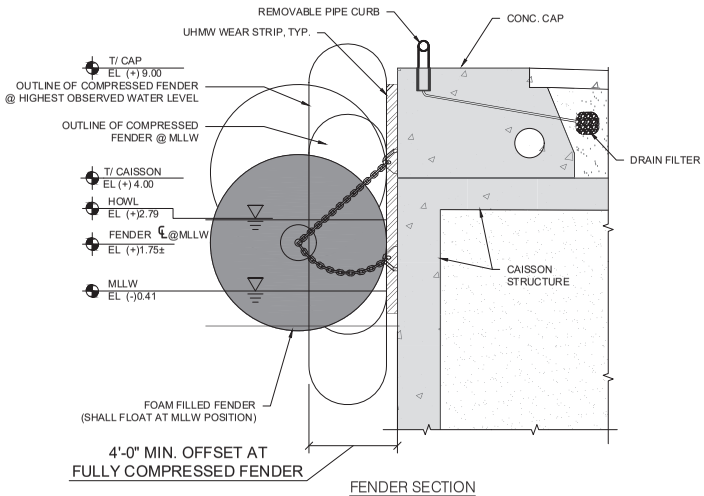
FENDER PLAN

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



FENDER ELEVATION

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



FENDER SECTION

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

0 2' 4' 6'

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

PORTMIAMI

ATKINS

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

TYPICAL FENDER DETAILS

SHEET NAME

WARNING!

This record contains Sensitive Security Information that is controlled under 49 CFR Part 1520. No part of this record may be disclosed to persons without "need to know", as identified in 49 CFR 1520.5, except with the written permission of the Secretary of Homeland Security. Unauthorized release may result in civil penalty or other action. For U.S. Government agencies, public disclosure is governed by U.S.C. 552 and 49 CFR 1520.

DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD

DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER

03/24/2023

DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430

FILE NAME: -

DATE: 07-09-21 | SCALE: AS NOTED

SHEET S-402

DWG. No. X of XX

MDC053

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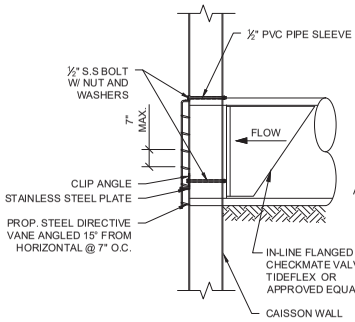
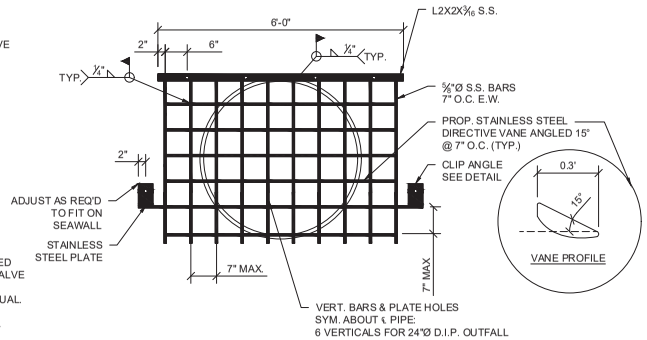
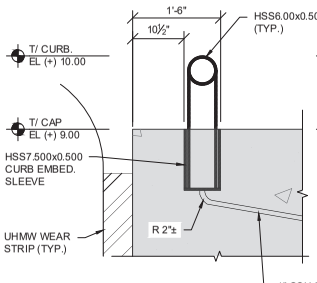


MANATEE GRATE DETAIL
N.T.S.

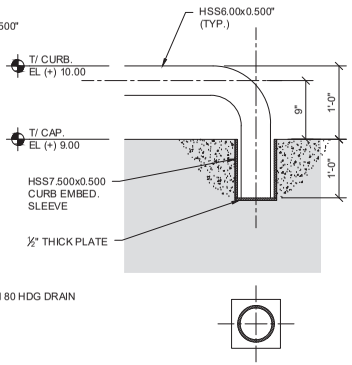
NOTES
1. STAINLESS STEEL BARS, PLATES, CLIPS, BOLTS AND NUTS SHALL BE EITHER A308 OR A316.



MANATEE GRATE DETAILS
N.T.S.



DETAIL
SCALE: 1" = 1'-0"



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

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

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

PORTMIAMI
WORK ORDER No. 08
REALIGNMENT NORTH CRUISE BERTHS 1-6
PORTMIAMI PROJECT NO. 2018-005

SHEET NAME
TYPICAL CURB & MANATEE GRATE DETAILS

WARNING!

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DRAWING HISTORY

RELEASED FOR	DATE	BY
PERMIT	07/09/2021	-

REVISIONS

No.	DESCRIPTION	DATE
1		

ATKINS
ENGINEER OF RECORD
DESI. M. MALDONADO
LICENSE
No. 72978
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/24/2023
DESIDERIO M. MALDONADO
P.E. NO. 72978

PROJ. No. : 100073430
FILE NAME: -
DATE: 07-09-21 SCALE: AS NOTED
SHEET S-403
DWG. No. X of XX

MDC054

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Attachment C

DERM Project Report

CLASS I PERMIT APPLICATION MODIFICATION TO CLI-2016-0033

Class I Permit Modification Application by Miami-Dade County, through its Seaport Department, to Extend the Length of the Permitted Project along the north side of the Port of Miami, to Install a New Seawall, to Perform Maintenance and Non-Maintenance Dredging, and to Fill Tidal Waters in Biscayne Bay at 1080 Caribbean Way, Miami, Miami-Dade County, Florida.

DATE: July 17, 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. Section 24-48.4 of the Code also requires mitigation for permittable projects that otherwise result in unavoidable adverse environmental impacts. The submerged bottom located within the area included as part of the subject modification request consists of limerock overlaid by accumulated sediment and is not providing significant benthic habitat. While the existing seawall does support benthic resources, including corals, mitigation to offset the permittable impacts to said resources has been satisfied under the original Class I permit. Mitigation for the filling of tidal waters and temporary impacts to water quality associated with the installation of the seawall, the non-maintenance dredging, and the filling of tidal waters, that has not already been mitigated under the original Class I permit, would be satisfied through the placement of riprap on an artificial reef site. The modification to the Class I permit would include conditions for the deployment and monitoring of the riprap material on the artificial reef site. Any portion of the required mitigation that cannot be accommodated through the artificial reef site would be satisfied through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund. Furthermore, the proposed work is not reasonably expected to result in cumulative environmental impacts to water quality. Any temporary water quality impacts would be minimized through the implementation of proper turbidity controls throughout construction operations to ensure that State and County water quality standards are met.

2. **Potential Cumulative Adverse Environmental Impact** – The proposed project is not reasonably expected to result in cumulative adverse environmental impacts.

3. **Hydrology** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.

4. **Water Quality** – Any temporary water quality impacts would be minimized through the implementation of proper turbidity controls throughout construction operations to ensure that State and County water quality standards are met.

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 located within an area not designated as essential habitat for the *Trichechus manatus* (West Indian Manatee) by the Miami-Dade County Manatee Protection Plan. The Class I permit modification would require that all standard construction permit conditions regarding manatees be followed during all in-water operations.

19. **Natural Flood Damage Protection** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.

20. **Wetland Values** – The proposed project is not reasonably expected to 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 should 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 any impacts have been minimized and would be mitigated as set forth in Number 1 above.

COASTAL MANAGEMENT ELEMENT VII:

Objective 1/Policy 1A – Mangrove wetlands within Mangrove Protection Areas – The proposed project is not located within a designated "Mangrove Protection Area."

Objective 1/ Policy 1B - Natural surface flow into and through coastal wetlands. – The proposed project is not reasonably expected to adversely affect natural surface flow into and through 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.

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

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

Objective 3/Policies 3E, 3F - Location of new cut and spoil areas for proper stabilization and minimization of damages. - The proposed project does not involve the development or identification of new cut or spoil areas.

Objective 4/Policy 4A, 4C, 4E, 4F – Protection of endangered or threatened animal species. – The proposed project is not reasonably expected to result in impacts to endangered or threatened species. The proposed project is located within an area not designated as critical habitat for the West Indian Manatee; additionally, the use of the facility is consistent with its historic use, and the Class I permit modification would include construction conditions for manatees.

Objective 5/Policy 5B - Existing and new areas for water-dependent uses. - The proposed project would enhance the existing 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 does not involve the creation of new water dependent facilities.

28. **Conformance with Chapter 33B, Code of Miami-Dade County** (East Everglades Zoning Overlay Ordinance) – The proposed project is not located within the East Everglades Area.

29. **Conformance with Miami-Dade County Ordinance 81-19** (Biscayne Bay Management Plan Sections 33D-1 through 33D-4 of the Code of Miami-Dade County) - The proposed project is in conformance with the Biscayne Bay Management Plan.

30. **Conformance with the Miami-Dade County Manatee Protection Plan** - The proposed project is 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 should 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.

R Alhale

Rockell Alhale, Manager
Coastal Resources Section

Maurice Pierre, Biologist II
Coastal Resources Section

Attachment D

Florida Department of Environmental Protection (FDEP) Permit

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: January 21, 2022
Expiration Date: January 21, 2032

Project: PortMiami Cruise Berths 1-6
Permittee: Port of Miami
Permit No: 0181285-019-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 redevelop North Cruise Berths 1through 6, which includes the realignment and replacement of bulkheads along the western end of the North Ship Channel. Approximately 7,128 feet of existing steel bulkheads will be replaced with concrete caisson modules, which will be floated into position via semi-submersible barges before being sunk and secured along the channel bottom. Prior to caisson installation, up to 120,000 cubic yards of material will be excavated from the channel to a uniform depth of approximately -42 feet NGVD. Bedding stone will then be installed on the excavated bottom to create a stable bed for placement of the caissons. Installation of the caisson modules will extend Berths 1-6 up to 54 feet waterward and will include a 54-foot return wall at the western end of Berth 1.

AUTHORIZATIONS
PortMiami Cruise Berths 1-6

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 Berths 1-6) and the permit number (0181285-019-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 13).

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 the Existing Bulkhead and Hardbottom within the 54-foot Area Waterward of the Existing Bulkhead" (2021). 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 14. 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 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 reef sites) 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. 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.

i. ***Pre-Construction Conference.*** **After all items required by a through h 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.

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 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 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 floating turbidity barrier, 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 Berths 1-6) and the permit number (0181285-019-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 Berths 1-6);

        ii. Permit Number (0181285-019-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. 0181285-019-BI, for the PortMiami Cruise Berths 1-6 Project"**

MINIMIZATION

13. **Coral transplantation.** The approved "Methodologies for Harvesting/Transferring Coral from the Existing Bulkhead and Hardbottom within the 54-foot Area Waterward of the Existing Bulkhead" shall be followed for all coral transplantation activities. Coral transplantation will be conducted in phases with the project. Prior to each phase, corals present on the existing berth, on hardbottom within 16.5 meters (54 feet) of the berth, and within the 150-meter mixing zone shall be relocated prior to that phase. If the bottom is leveled for the entire project, then all coral relocation shall be conducted at once prior to this activity.

    a. Scleractinian coral colonies shall be selected for transplantation based on species and live tissue diameter, in accordance with the approved "Methodologies for Harvesting/Transferring Coral from the Existing Bulkhead and Hardbottom within the 54-foot Area Waterward of the Existing Bulkhead".

    b. All octocorals greater than 10 cm in height shall be transplanted to existing artificial reef modules within County artificial reef site POM A.

    c. Coral colonies that are not required to be relocated shall be made available for harvesting to permitted federal, state, local, and university coral researchers.

    d. Should corals fragment upon removal, all fragments of the same broken colony must be kept together and reconstructed by reattaching fragments as close together as possible (like puzzle pieces – reattached within 5 mm apart from one

another). The re-constructed corals should be considered as one single colony for monitoring purposes.

e. All corals and octocorals shall be evaluated on health condition according to the attached "FWC Coral and Octocoral Visual Health Assessment Protocols" (FWC 2020) and be devoid of any signs of diseases and presence of boring sponges.

f. All relocated scleractinian and octocoral colonies shall be observed within one week of transplantation to assess the attachment success at the POM A reef site. If attachment of a colony is not successful but the coral/octocoral is still alive, the colony shall be reattached.

g. Corals and octocorals shall be transplanted on the same day they are detached from the project site. If weather conditions or other circumstances prohibit transportation and attachment of colonies to the recipient site within the same day, then colonies may be cached within a designated safe area and transplanted to the reef site at the earliest opportunity.

h. Transplantation results, including map products and post-attachment survival surveys, shall be reported to the Department (JCP Compliance Officer) within 30 days of completion of transplantation.

i. Commencement and completion of coral transplantation must be reported to the JCP Compliance Officer within 24 hours prior to and following all transplantation activities.

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

SPECIFIC CONDITIONS - PROTECTED MARINE SPECIES

15. 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.

16. 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

17. 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 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/.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

24. **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.

25. 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 (0181285-019-BI), project name (PortMiami Cruise Berths 1-6), 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

26. 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 (0181285-019-BI) and the project name (PortMiami Cruise Berths 1-6);

    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 (41 pages, August 2021)
2. FWC Coral and Octocoral Mitigation Relocation Recommendations (2020)
3. Methodologies for Harvesting/Transferring Coral from the Existing Bulkhead and Hardbottom within the 54-foot Area Waterward of the Existing Bulkhead (2021)

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.

Shenizka Miller 01/21/2022
Clerk **Date**

MEMORANDUM
(Revised)

TO: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

DATE: October 16, 2024

FROM: Geri Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 5(D)

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(D)
10-16-24

RESOLUTION NO. R-916-24

RESOLUTION TAKING ACTION ON A CLASS I PERMIT MODIFICATION APPLICATION BY MIAMI-DADE COUNTY, THROUGH ITS SEAPORT DEPARTMENT, TO EXTEND THE LENGTH OF THE PERMITTED PROJECT ALONG THE NORTH SIDE OF THE PORT OF MIAMI, TO INSTALL A NEW SEAWALL, TO PERFORM MAINTENANCE AND NON-MAINTENANCE DREDGING, AND TO FILL TIDAL WATERS IN BISCAYNE BAY, 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 application by Miami-Dade County, through its Seaport Department, for a Class I permit modification to extend the length of the permitted project along the north side of the Port of Miami, to install a new seawall, to perform maintenance and non-maintenance dredging, and to fill tidal waters in Biscayne Bay, 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 **Kionne L. McGhee**, who moved its adoption. The motion was seconded by Commissioner **Danielle Cohen Higgins** and upon being put to a vote, the vote was as follows:

Oliver G. Gilbert, III, Chairman **aye**
Anthony Rodríguez, Vice Chairman **aye**

Marleine Bastien	**aye**	Juan Carlos Bermudez	**aye**
Kevin Marino Cabrera	**absent**	Sen. René García	**aye**
Roberto J. Gonzalez	**aye**	Keon Hardemon	**absent**
Danielle Cohen Higgins	**aye**	Eileen Higgins	**aye**
Kionne L. McGhee	**aye**	Raquel A. Regalado	**aye**
Micky Steinberg	**absent**		

The Chairperson thereupon declared this resolution duly passed and adopted this 16th day of October, 2024. 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.

Abbie Schwaderer-Raurell
Christopher J. Wahl