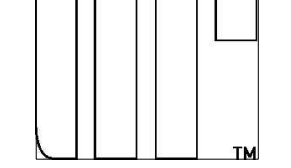


FOR C.O.M.B. USE ONLY

ARCHITECT

INTERIOR DESIGNER

LANDSCAPE ARCHITECT



URBAN ROBOT LLC  
420 LINCOLN ROAD, S. 600  
MIAMI BEACH, FL 33139  
T: 786.246.4857

OWNER:

LUIS FELIPE NEIVA SILVEIRA  
28 STAR ISLAND  
MIAMI BEACH, FL 33139

DESIGN ARCHITECT:

109 HATFIELD STREET GARDENS  
CAPE TOWN 8001, SOUTH AFRICA  
T: +27 (0)21 468 4400

STRUCTURAL ENGINEER:

YHCE ENGINEERING  
99 NW 27 AVENUE  
MIAMI, FL 33125  
T: (305) 969-YHCE F: (305) 969-9453

MEP ENGINEER:

CREDO Consulting Engineers, LLC  
800 EAST BROWARD BLVD., SUITE 601  
FORT LAUDERDALE, FL 33301  
T: (954) 783-2246 F: (954) 783-2247

CIVIL ENGINEER:

OCEAN ENGINEERING INC.  
8101 BISCAYNE BLVD., UNITE 508  
MIAMI, FL 33138  
T: (786) 518-2008

LIGHTING CONSULTANT:

LUX POPULI S.A. de C.V.  
Arteaga 27, San Angel  
Mexico City, CP 01000, Mexico  
T: +52 5029 9105

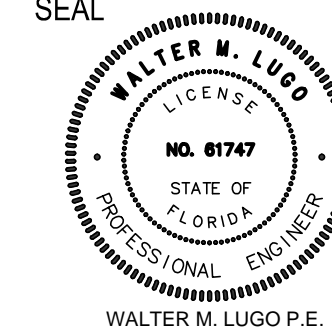
28 STAR ISLAND  
MIAMI BEACH, FLORIDA 33139

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS.

REVISIONS

Table with 2 columns: #, Revision Description. Row 1: 12/03/21 CITY COMMENTS

SEAL



WALTER M. LUGO P.E.  
FL PE# 81747

2009 PROJECT NO.

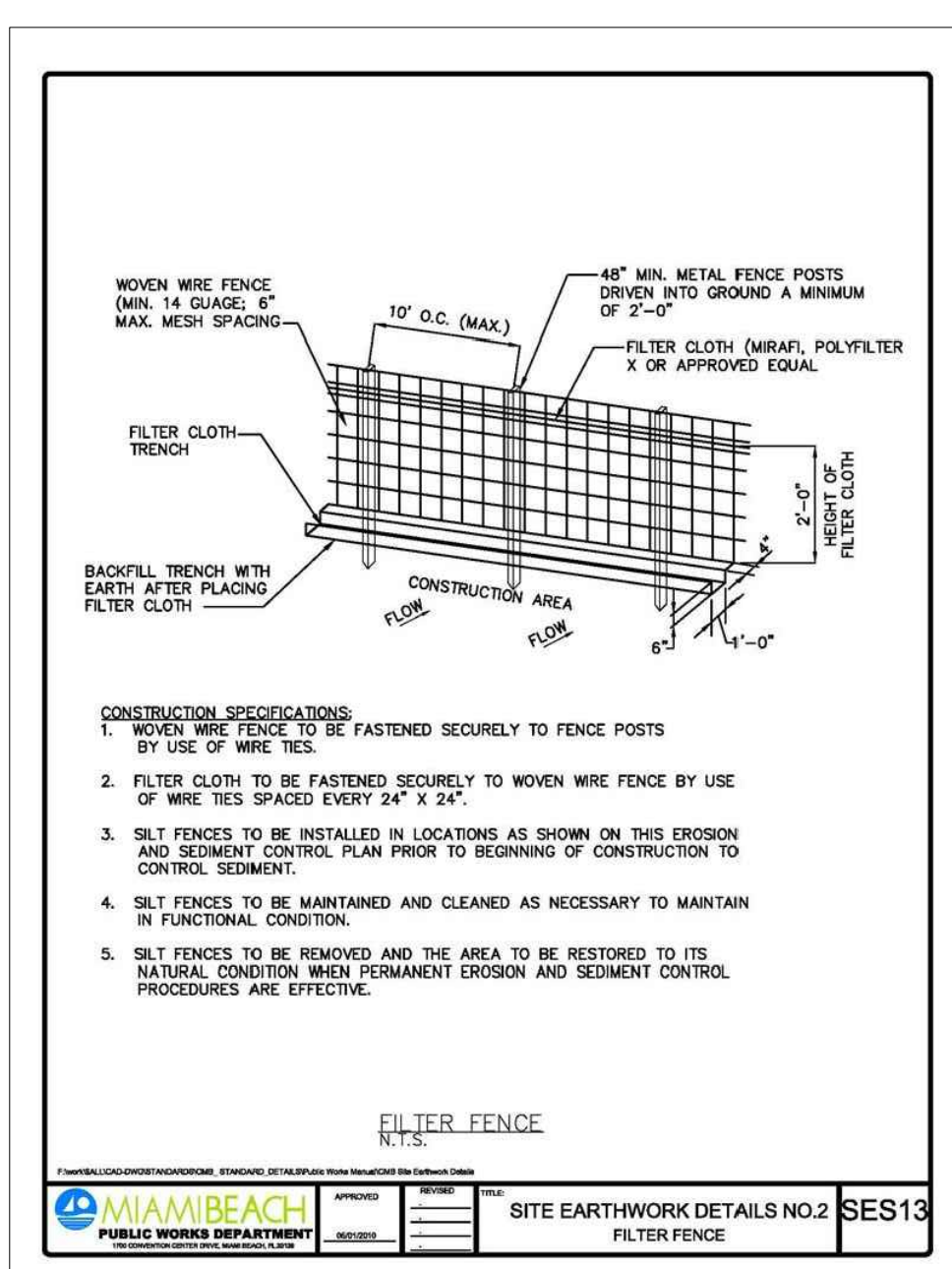
July 02, 2021 DATE

DRAWN / CHECKED

SEDIMENTATION AND EROSION CONTROL NOTES

C600

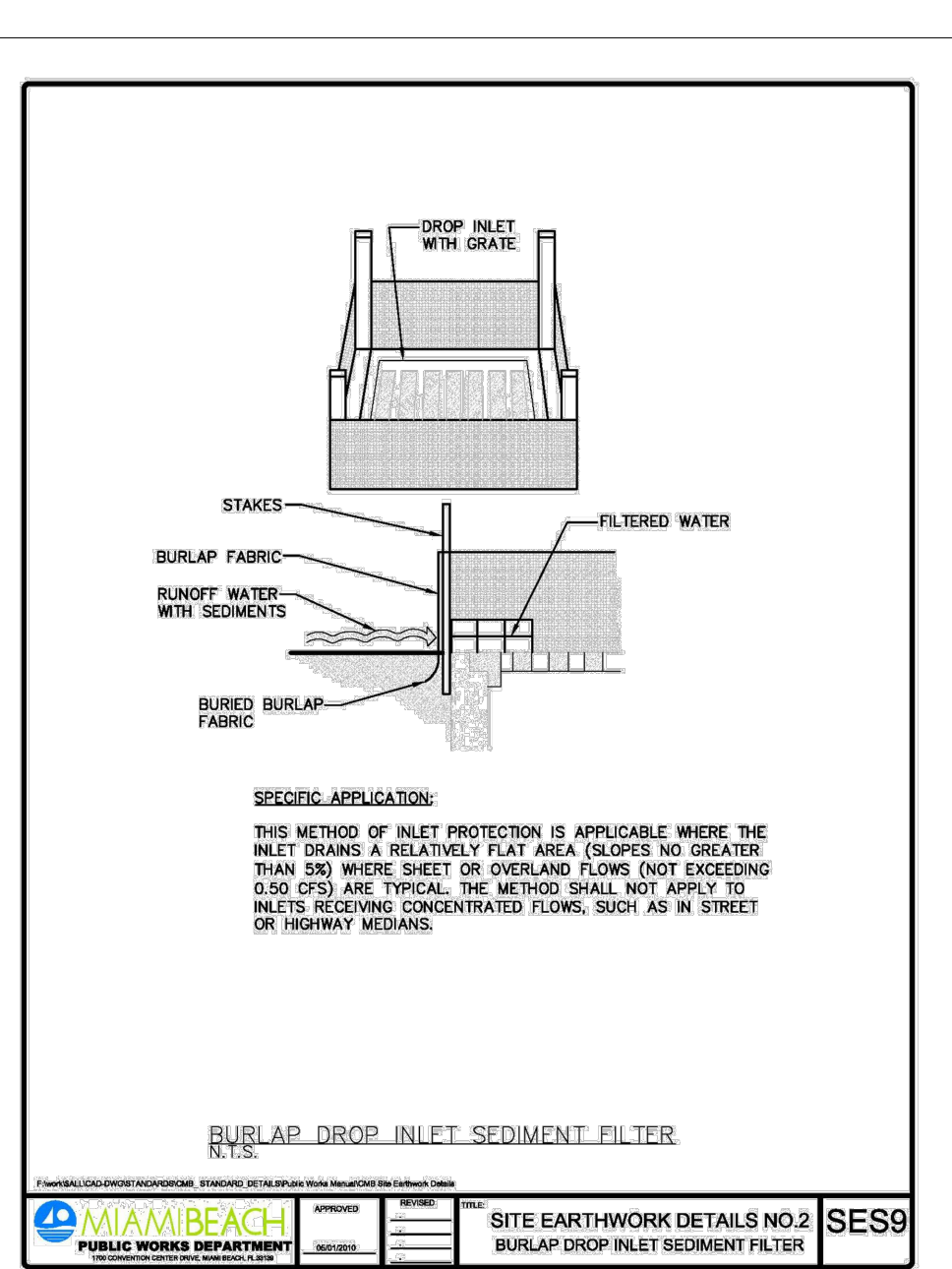
This item has been digitally signed and sealed by Walter M. Lugo, P.E., on date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



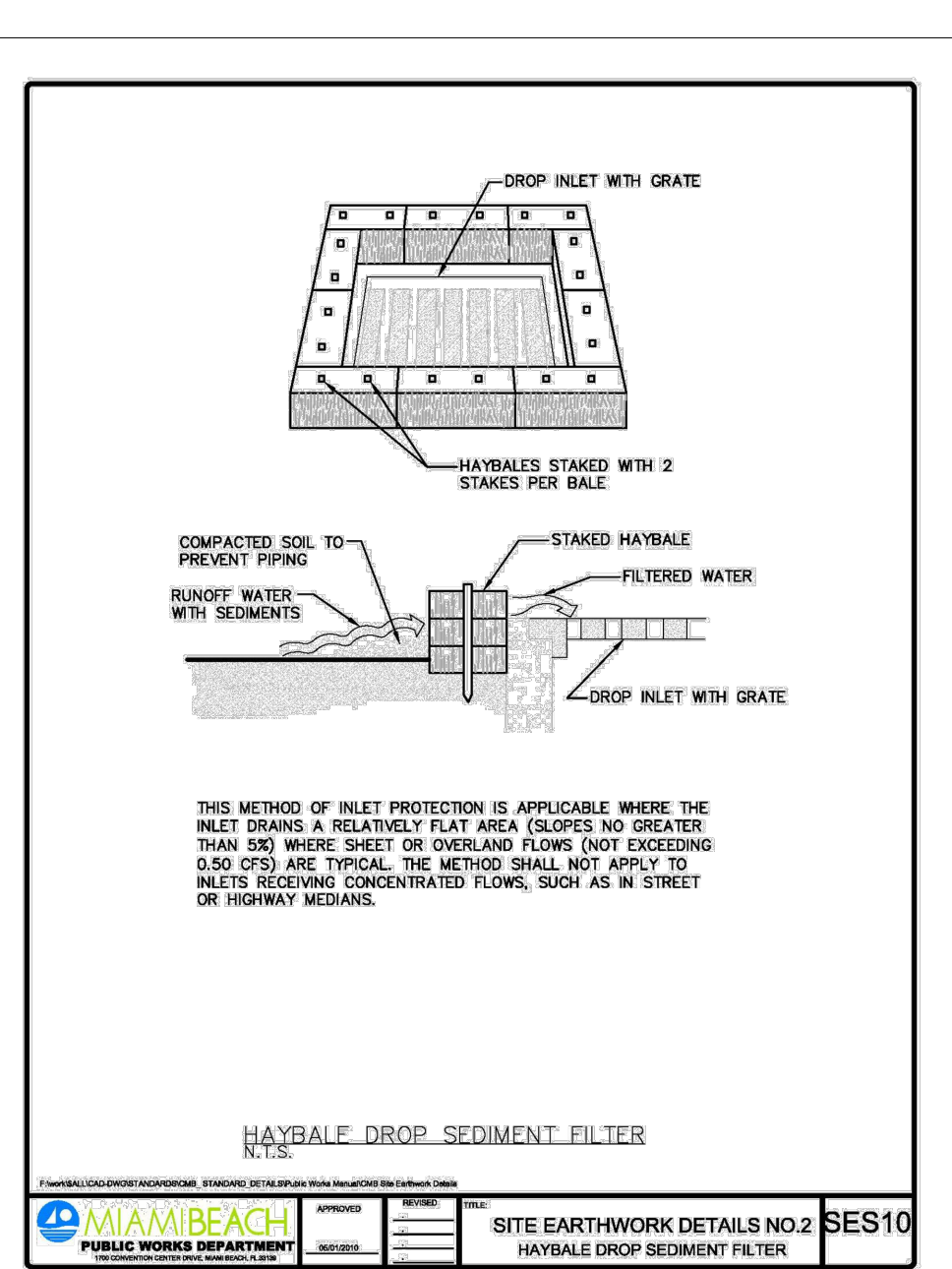
MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.2 SES13 FILTER FENCE

EROSION AND SEDIMENT CONTROL GENERAL NOTE. THE FOLLOWING ARE BEST MANAGEMENT PRACTICES (BMP'S) DETAILS AND SPECIFICATIONS...

MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.2 SES14 EROSION AND SEDIMENT CONTROL GENERAL NOTE



MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.2 SES9 BURLAP DROP INLET SEDIMENT FILTER



MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.2 SES10 HAYBALE DROP SEDIMENT FILTER

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REMOVED ON SITE AND ASSURING IT IS ALIGNED AND CLEAR IN ALL AREAS AND SHALL BE COMPLETED AT COMPLETION OF CONSTRUCTION...

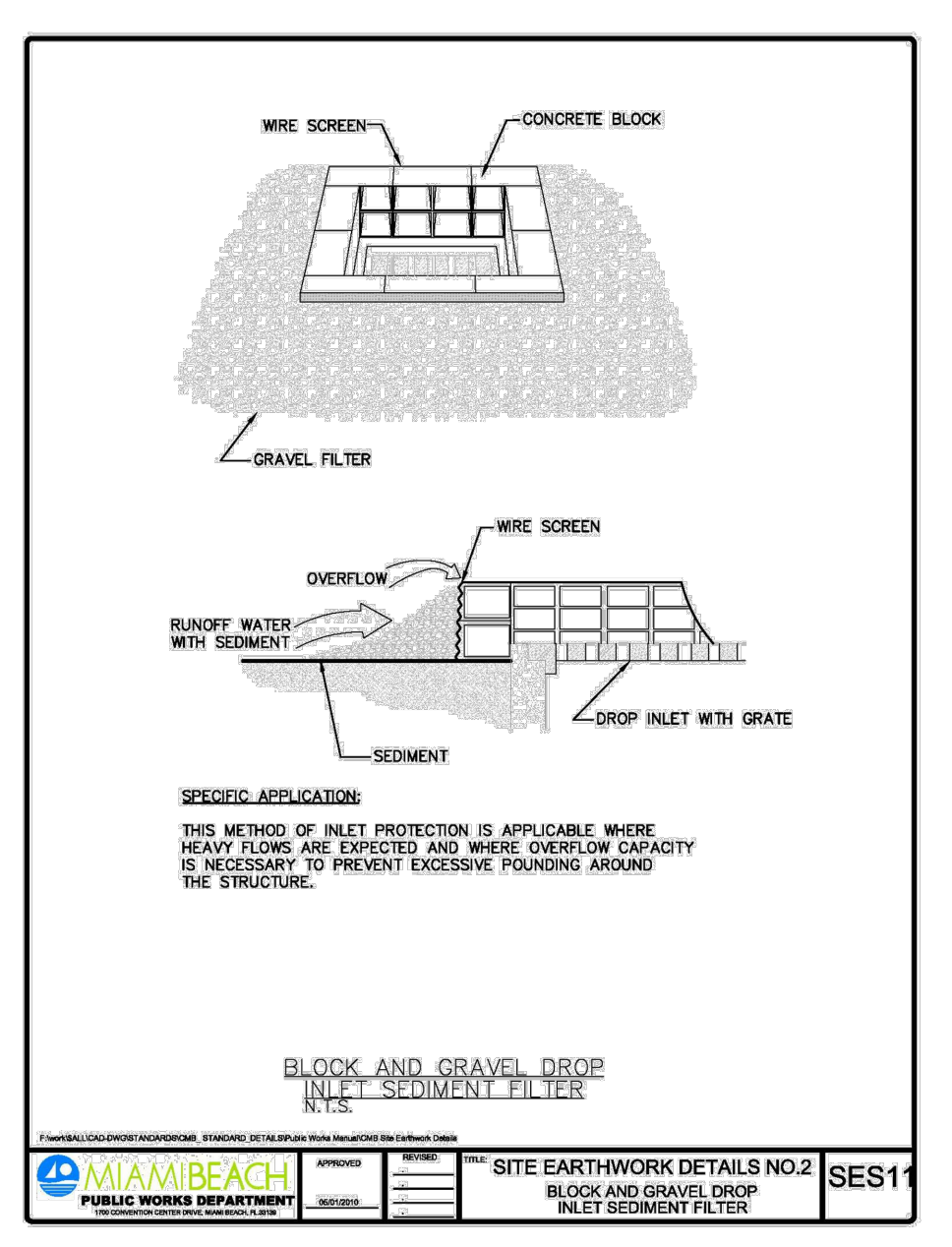
MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.3 SES15 EROSION AND SEDIMENT CONTROL NOTES

13. HAYBALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL...

MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.3 SES15 EROSION AND SEDIMENT CONTROL NOTES

21. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED...

MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.3 SES15 EROSION AND SEDIMENT CONTROL NOTES

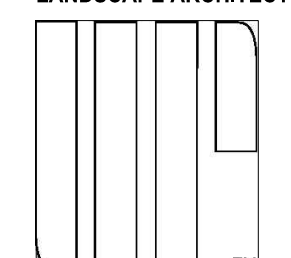


MIAMI BEACH PUBLIC WORKS DEPARTMENT SITE EARTHWORK DETAILS NO.2 SES1 BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER

DPAD Class V Dewatering: A Class V dewatering permit is required and shall be obtained prior to the removal of water from the excavation area, please contact dermwatercontrol@miamidade.gov to apply for the permit. DE TORRES, MAYRA, 1/28/2022 7:26:04 AM

DPAD SWPPP: Permit applicants need to obtain all required stormwater permits including but not limited to, the ERP from the SFWMD or DEP Southeast District Office, and the Department's NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CSP, Rule 62-621.300(4), F.A.C.), as applicable. Furthermore, a Stormwater Pollution Prevention Plan (SWPPP) shall be created, posted and implemented on-site, to prevent the discharge of pollutants, including soil, from the construction site to adjacent properties, the environment, surface water bodies, or to municipal separate storm sewer systems (MS4). The implementation of a SWPPP applies to any work that disturbs the ground (i.e., new construction, building addition, pools, etc.) At a minimum, BMPs (e.g. silt fence, hay bales) shall be implemented around the work area and entrance/exit controls to the site (e.g. gravel, used to stabilize the entrances/exits to the site to reduce the amount of soils transported onto paved roads by vehicles). It is the Contractor's responsibility to adhere to the SWPPP and to implement best management practices to prevent stormwater pollution and sedimentation debris from entering adjacent properties and/or public right of way. DE TORRES, MAYRA, 1/28/2022 7:26:07 AM

FOR C.O.M.B. USE ONLY



URBAN ROBOT LLC  
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T: +52 5029 9105

28 STAR ISLAND  
MIAMI BEACH, FLORIDA 33139

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REVISIONS  
ID Revision Description

SEAL  
WALTER M. LUGO  
LICENSE  
NO. 81747  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

2009  
PROJECT NO.  
July 02, 2021  
DATE

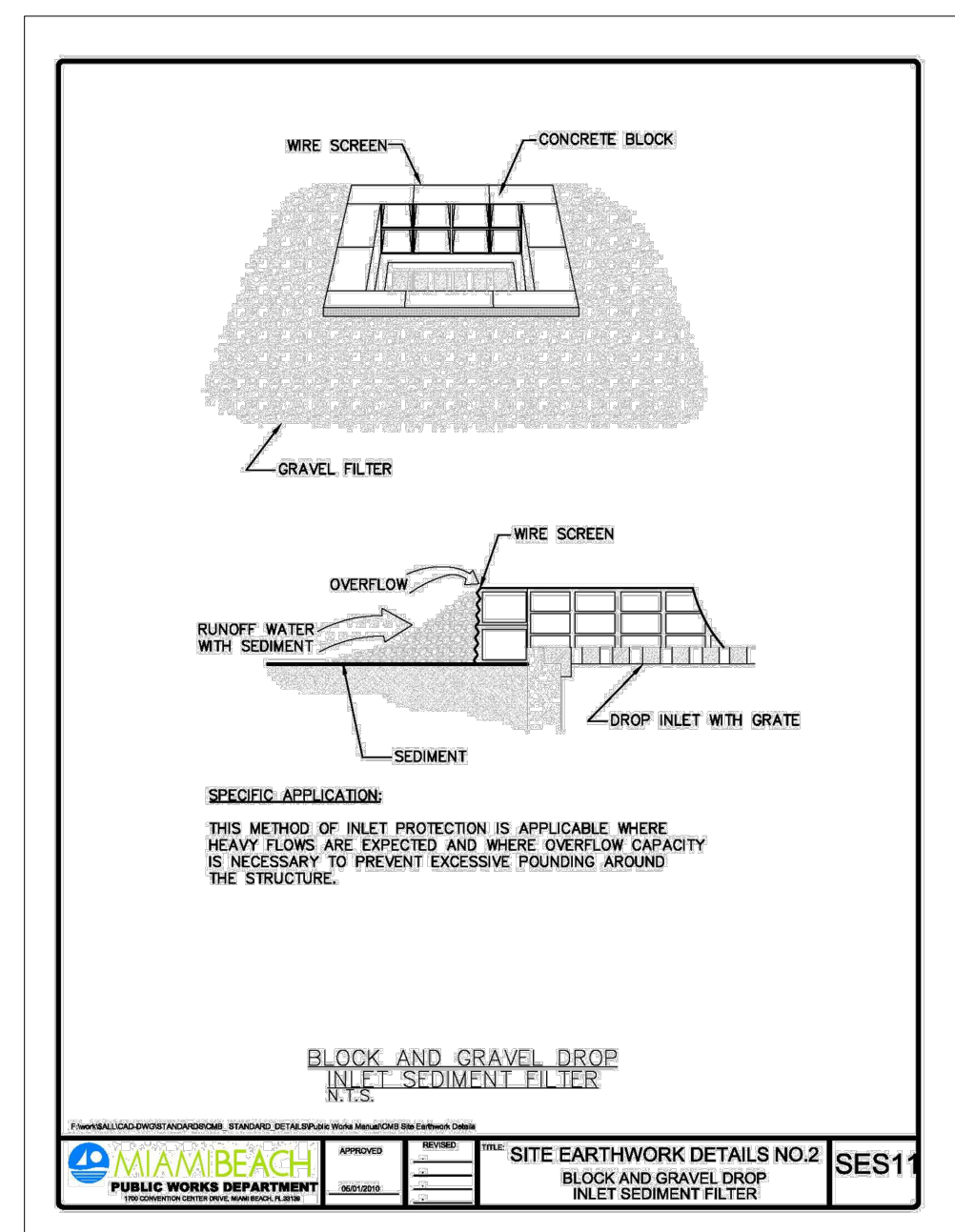
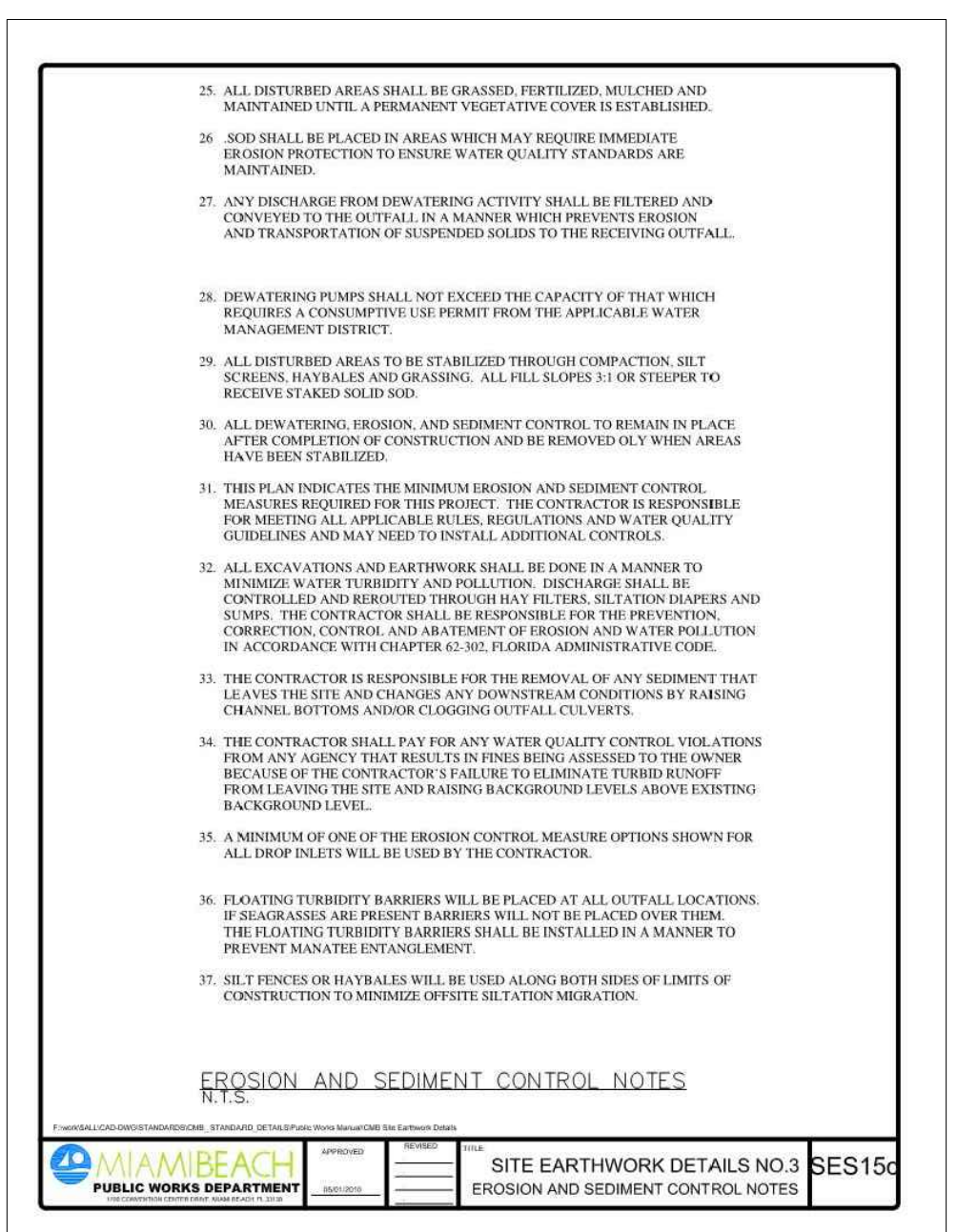
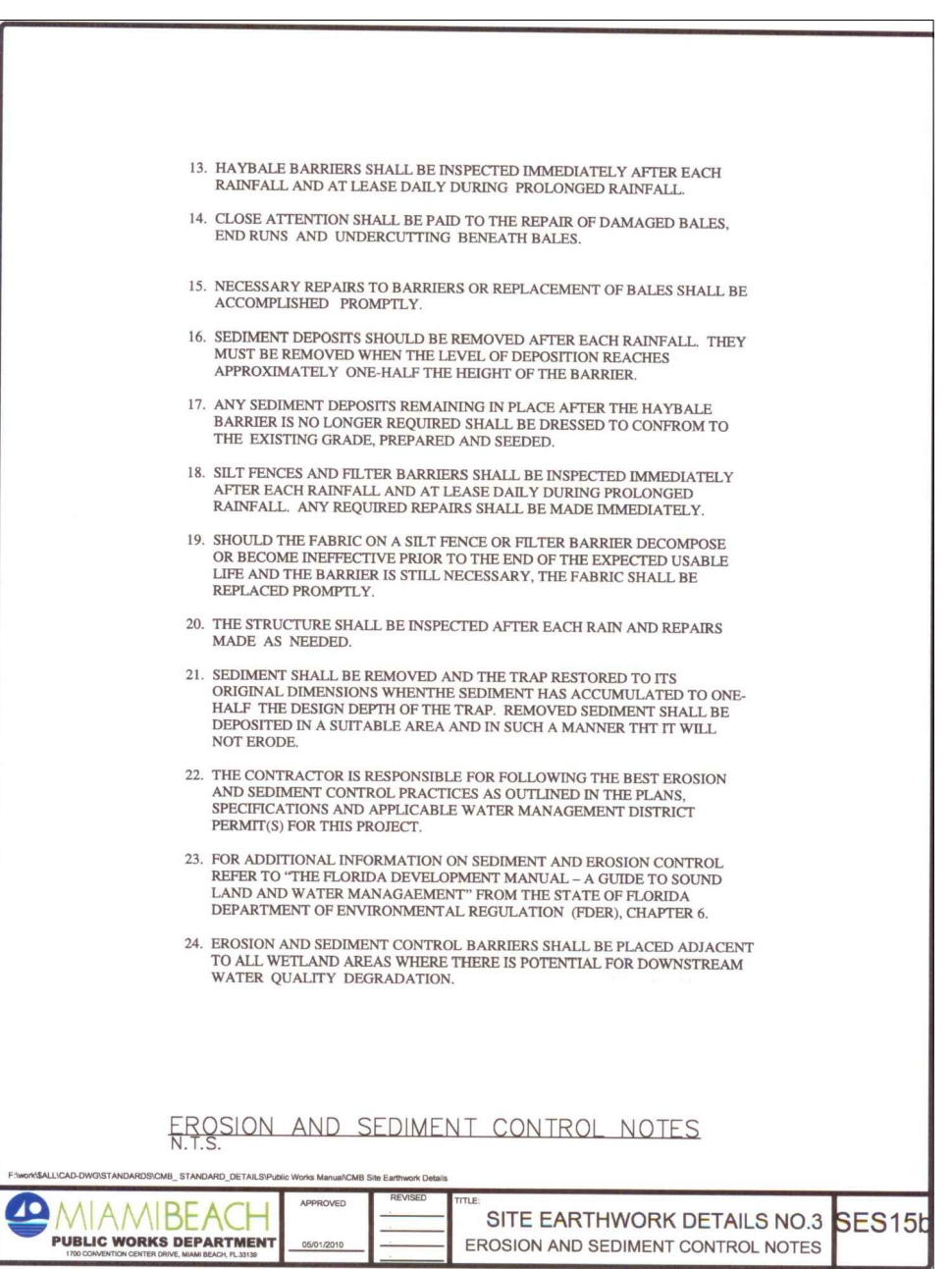
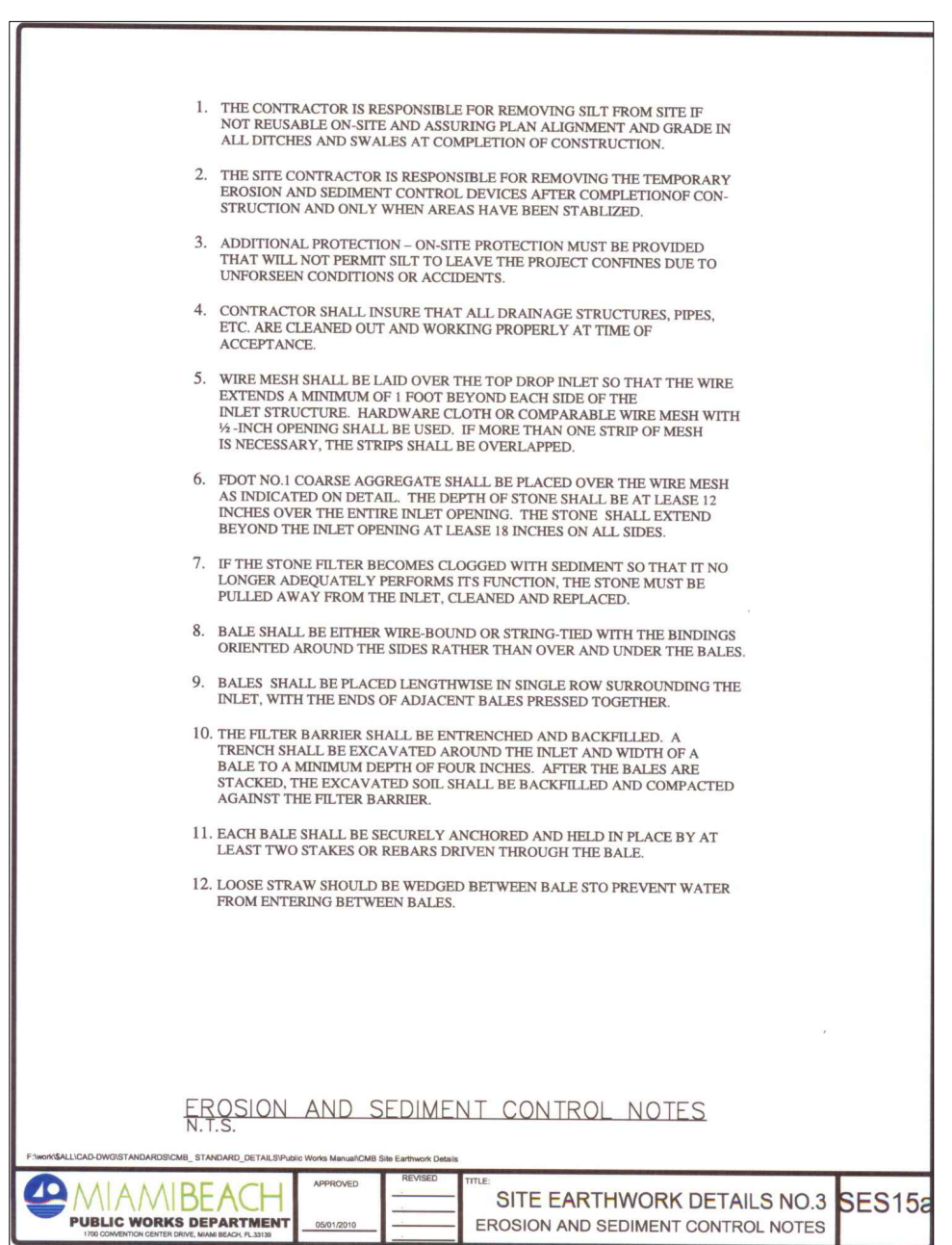
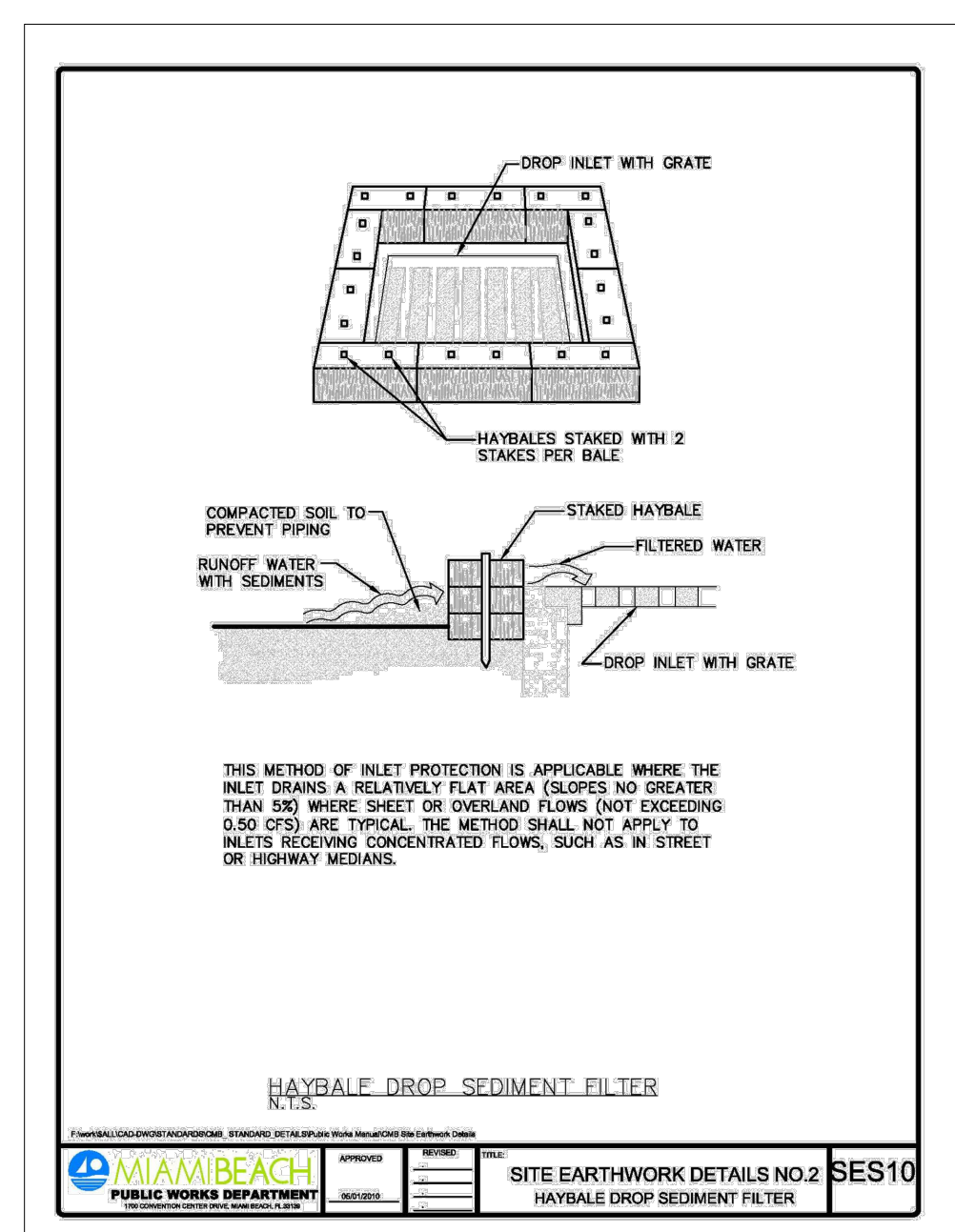
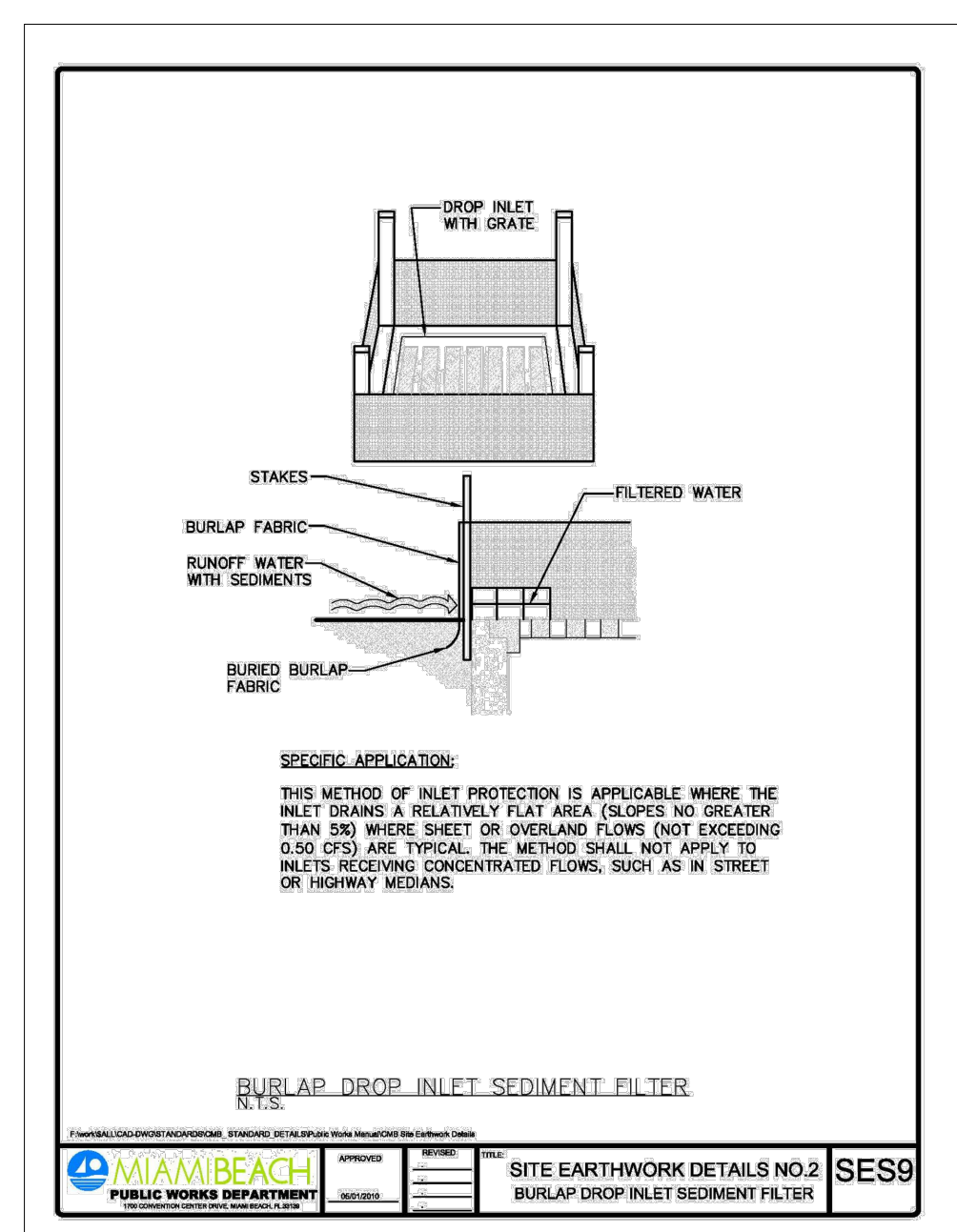
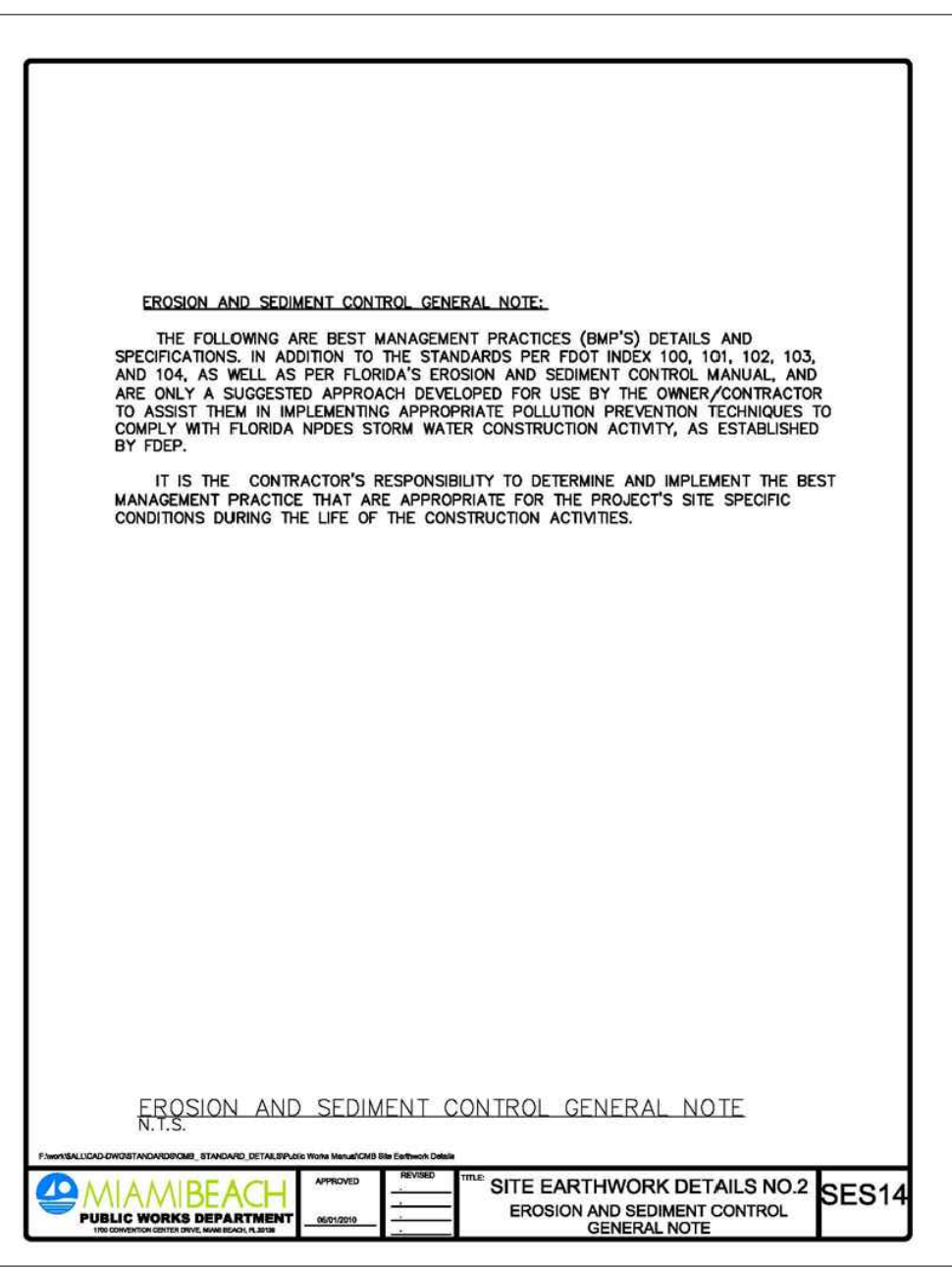
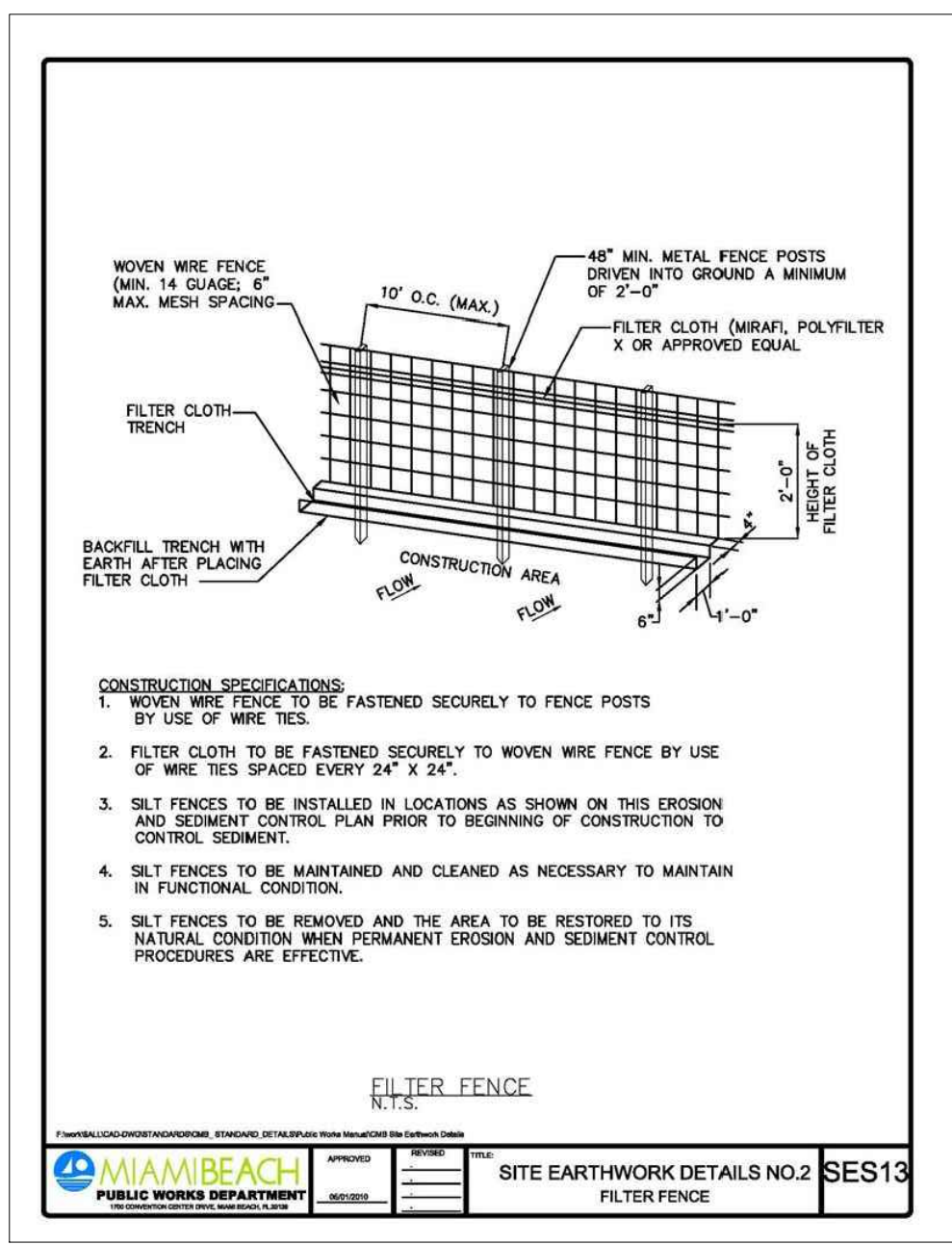
DRAWN / CHECKED:  
SEDIMENTATION AND EROSION CONTROL NOTES  
C600

This item has been digitally signed and sealed by Walter M. Lugo, P.E., on 07/02/2021 adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked. Check positive response codes before you dig!

Sunshine811  
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OCEAN ENGINEERING  
CIVIL ENGINEERING CONSULTANTS  
4000 N.W. 11th Street, Suite 200  
Miami, FL 33150  
Phone: 786-253-0222 (Ext.) 786-416-2008 (Office)  
Email: info@oceanengineering.com





DERM  
 APPROVED

**Class I Construction Permit**

**Permit Number:** CLI-2021-0659  
**DERM Project Manager:** Lindsay Elam

**Issue Date:** 02/09/2022 RC  
**Work Expiration Date:** 02/09/2024 TB  
 MIAMI BEACH BUILDING DEPARTMENT

**Permittee**

**Contractor**

QRIAR Island Corp.  
 c/o Luis Felipe Nelva Silveira, President  
 5004 North Bay Road  
 Miami Beach, Florida 33140

Southeast Marine Construction, Inc.  
 1121 Northwest 51<sup>st</sup> Court  
 Fort Lauderdale, Florida 33309  
 License No. CGC1524635  
 Phone No. (954) 630-2300

**Bond**

**Engineer**

**Performance Bond:** N/A  
**Mitigation Bond:** \$9,270.00  
**BBETF Contribution:** N/A

Dennis K. Solano, P.E. License No. 56902  
 Solver Structural Partnership, Inc.  
 Phone No. (305) 592-9396

**THE ABOVE NAMED PERMITTEE IS HEREBY AUTHORIZED TO PERFORM THE WORK SHOWN ON THE APPLICATION AND APPROVED DRAWINGS, PLANS, AND OTHER DOCUMENTS ATTACHED HERETO OR ON FILE WITH THE DEPARTMENT AND MADE PART HEREOF, SUBJECT TO THE ATTACHED GENERAL AND SPECIFIC CONDITIONS.**

**Plans Entitled:** MIP 28 STAR ISLAND LLC  
 27 STAR ISLAND DRIVE  
 MIAMI BEACH, FL 33140

**Date Signed and Sealed:** 06/21/2018

**Project Location:** 28 Star Island, Miami Beach, Florida 33140

- Project Description:**
- Removal of the unauthorized wood dock, 9 unauthorized piles, and the existing seawall cap and coral rock steps.
  - Installation of 100 linear feet of new concrete seawall. The wetface of the new seawall shall not exceed 12 inches waterward of the wetface of the existing seawall.
  - Installation of 11 concrete batter piles, 11 concrete king piles, and 100 linear feet of concrete seawall cap. The seawall cap will measure 3.5 feet wide by 1.8 feet high and extend 2.3 feet waterward of the wetface of the new seawall.

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659

DERM  
APPROVED  
MIAMIBEACH  
BUILDING DEPARTMENT

- Removal and reinstallation of 100 linear feet of armor rock riprap boulders within the new seawall footprint. The riprap will consist of 1 and 3 foot diameter boulders and will be placed at a 2 horizontal: 1 vertical slope extending 8 feet waterward from the base of the new seawall.
- Installation of a 457 square foot T-shaped wood dock consisting of a 4 foot wide by 30.9 foot long access walkway located between 19.3 and 23.3 linear feet from the north property line and a 6 foot wide by 55.6 foot long terminal platform located between 7.5 and 63.1 linear feet from the north property line. The dock will be supported by 15 new concrete piles and associated concrete pile caps.
- Installation of 5 new wood fender piles located at 8.8, 22.1, 35.4, 48.7, and 62 on the waterward edge of the terminal platform.
- Installation of a 16 foot wide by 29 foot long 30,000 pound capacity 10-post cradle boatlift located on the landward side of the terminal platform between 34.1 and 63.1 linear feet from the north property line. The lift will be supported by 10 new concrete piles.
- Installation of a 10 foot wide by 10 foot long 3,000 pound capacity dual elevator boatlift located on the north side of the access walkway between 20.4 and 30.4 feet waterward of the new seawall cap and between 9.3 and 19.3 from the north property line. The boatlift will be supported by the dock and associated piles.
- Installation of three 3-cluster wood dolphin piles located 38.8 and 63.8 feet waterward of the seawall at 6.4 and 74.4 linear feet from the north property line.

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
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## Specific Conditions

# APPROVED

## MIAMI BEACH BUILDING DEPARTMENT

1. The unauthorized dock and piles must be removed and properly stored or disposed of in accordance with all federal, state, and local regulations within 30 days of issuance of this permit and prior to performing any work authorized by this permit.
2. No decking shall be installed on the boatlift or dual jetski lift.
3. The submerged debris (i.e. chair, vegetation, and fender pile) must be removed and properly stored or disposed of in accordance with all federal, state, and local regulations upon issuance of this permit and prior to performing any work authorized by this permit.
4. Mechanical means to remove the existing structures and debris is authorized; however, all work using mechanical equipment shall be performed in such a manner as to prevent any dredging of the bay bottom.
5. In order to avoid impacts, the stony corals located on the boulders in the footprint of the proposed work at 71, 79, 81, 84, 93, and 97 linear feet from the north property line shall be temporarily relocated to an area of similar light and depth by a qualified biologist. The qualified biologist shall submit a coral relocation plan, which includes detailing coral species and colony size, and a site sketch indicating the location of the corals that will be relocated prior to commencement of work authorized by this permit. The permittee shall be responsible for the relocation of the coral prior to the commencement of construction. This relocation shall be subject to the following conditions:
  - a. **The permittee shall provide a minimum of 48 hours' notice to DERM prior to the coral relocation event.**
  - b. The relocation of the corals must be conducted by a qualified biologist familiar with standard coral relocation methods.
  - c. A monitoring report shall be submitted to DERM one month after the relocation event. Survivorship of the relocated corals shall not fall below 80 percent after the first month. If the survivorship falls below 80 percent, appropriate mitigation will be required.
6. A turbidity curtain shall completely enclose the work area and shall not be removed until turbidity levels within the enclosed area return to background levels outside the curtain.
7. Turbidity controls shall be employed and maintained in the most effective manner possible to prevent turbidity from extending beyond the turbidity control mechanism in place. Failure to deploy and maintain the turbidity curtain or other turbidity control mechanism in the most effective manner possible may result in the issuance of a Uniform Civil Violation Notice (UCVN). Turbidity may not exceed 0 Nephelometric Turbidity Units (NTU) above background beyond the turbidity control mechanism in place. If turbidity levels exceed 0 NTU above background beyond the turbidity control mechanism, all construction shall be halted and additional turbidity controls implemented. This project shall not be resumed until the contractor has received authorization from DERM to commence work.
8. The wetface of the new seawall shall not exceed 12 inches waterward of the wetface of the existing seawall.
9. The contractor shall provide a minimum of 48 hours (2 business days) and a maximum of 120 hours (5 business days) notice to the Coastal Resources Section at (305) 372-6575 prior to commencement of backfilling activities.
10. All backfilling shall be done after completion of the seawall. This permit does not authorize any filling except for backfill landward of the bulkhead. This permit does not authorize the filling of tidal waters or wetlands for additional development.
11. The contractor shall provide trucking receipts for all fill from upland sites that is utilized for backfilling behind the new seawall. This condition shall be satisfied within 30 days of the completion of the seawall.

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
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CLI-2021-0659

Page: 3 of 9

12. Pursuant to Section 24-48.3(4) of the Code of Miami-Dade County, Florida, the contractor shall ensure that the backfill is from upland sources and it consists of suitable material and must meet the definition of clean fill as defined in Section 24-5 of the Code of Miami-Dade County.
13. In order to mitigate for the water quality impacts associated with the new seawall, and in order to extend the life of the seawall and provide habitat for a variety of invertebrates and protective cover for small fish, 100 cubic yards of riprap (approximately 135 tons) shall be required at the base of the seawall at a two to one (2H:1V) slope. The riprap shall consist of natural limerock riprap boulders ranging in size from 1 to 3 feet in diameter and may not extend greater than 8 feet waterward of the base of the new seawall. Riprap shall be installed in a manner which prevents it from shifting or relocating. This condition shall be satisfied within 30 days of the completion of the seawall.
14. The existing riprap boulders shall be removed and relocated to a maximum of 8 feet waterward of the base of the new seawall and placed at a two to one (2H:1V) slope.
15. The Florida Licensed Professional Engineer shall quantify the existing riprap on-site.
16. The contractor shall submit receipts or weight tickets for the riprap that is placed on-site. This condition shall be satisfied within 30 days of the completion of the seawall.
17. A mitigation bond in the amount of \$270.00 is required to ensure that the coral survivorship criteria requirements are met. Failure to meet the success criteria as specified in this permit may result in forfeiture or revocation of all or a portion of the mitigation bond without further notice. DERM may consider releasing portions of the mitigation bond as mitigation requirements are satisfactorily completed as determined by DERM.
18. **The existing tidal pond located on the uplands is not authorized to be reconnected to tidal waters.**
19. Please be advised that the federal government may have designated all or part of the subject property as critical habitat for one or more endangered species. You are not authorized to commence any work or activities pursuant to this permit until you obtain any and all approvals or permits, if necessary, from the federal government pursuant to the Endangered Species Act and from the State of Florida pursuant to Florida law on endangered species. Please be advised that, even after work commences, if Miami-Dade County is advised by the federal government, the State of Florida, or a court that an activity on the subject property is in violation of the Endangered Species Act, in violation of Florida law on endangered species, or in violation of a permit or approval granted by the federal government pursuant to the Endangered Species Act, such violation may result in an immediate stop work order. You are strongly advised to consult with the United States Fish and Wildlife Service and any other necessary federal or state agencies before conducting any work or activities on the property. The Vero Beach office of the United States Fish and Wildlife Service may be reached at (772) 562-3909. Please be aware that the federal government may require certain actions or protections on the property, and this may result in the need to modify the plans for the property. Therefore, it is recommended that you consult with the United States Fish and Wildlife Service at an early stage in the process. In the event that the United States Fish and Wildlife Service advises that your plans for the subject property may result in a "take" of endangered or threatened species, you are strongly recommended to inform Miami-Dade County in writing at the earliest stage possible.

See General Permit Conditions.

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659

Page: 4 of 9

## General Permit Conditions

# DERM

# APPROVED

# MIAMI BEACH

# BUILDING DEPARTMENT

1. This permit does not eliminate the necessity to obtain any required federal, state, and local authorizations prior to the start of any activity approved by this permit. This permit is a regulatory approval and does not convey to the permittee or create in the permittee any property right or privilege, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee. In the event that any structure authorized hereunder is determined by a final adjudication issued by a court of competent jurisdiction to encroach on or interfere with adjacent riparian rights, the permittee agrees to either obtain written consent for the offending structure from the affected riparian owner or to remove the interference.
2. This permit shall be kept on-site during all phases of construction.
3. All work shall be performed in accordance with the above referenced plans and in accordance with the attached specific and general permit conditions. If a General Condition(s) conflicts with a Specific Condition(s) in this permit document, the Specific Condition shall be the controlling condition for work authorized by this permit.
4. This permit only authorizes the work described in page 1 under Project Description. Any additional work in, on, over or upon tidal waters or coastal wetlands at the property shall require additional Class I approval.
5. Any deviation from the approved plans for this project shall be submitted in writing to DERM prior to the commencement of work, and work may not commence without written acknowledgement of any deviation by DERM. The contractor and the permittee shall take whatever remedial action is necessary to bring the project into compliance with the permit and approved plans upon determination by DERM that the structure is not in compliance with such.
6. DERM shall be notified no later than 48 hours and no earlier than 5 days prior to the commencement of the work authorized by this permit, unless otherwise noted herein. The permittee and/or contractor may notify DERM by calling (305) 372-6575 or by submitting the attached Notice of Commencement of Construction via hand delivery, U.S. Mail, or email at [dermcr@miamidade.gov](mailto:dermcr@miamidade.gov).
7. Prior to performing any work, the contractor shall verify the location of all underground and overhead utility lines and verify that no utilities will be damaged by the work. Contact Sunshine State One-Call of Florida at 1-800-432-4770 or on the web at <http://www.callsunshine.com/corp/before/submitting.html> for locating underground utility lines.
8. The permittee and the contractor are hereby advised that under Florida law, no person shall commence any excavation, filling, construction, or other activity involving the use of sovereign or other lands of the State, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Florida Department of Environmental Protection (FDEP), until such person has received the required authorization for the proposed use from the Board of Trustees or FDEP. If such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense pursuant to the Florida Administrative Code.
9. The permittee and contractor shall obtain all required approvals from all local, state and federal agencies prior to performing the work authorized by this permit.
10. Trimming or alteration of mangroves or work in wetlands other than what is authorized by this permit is prohibited. Work not authorized by this permit or that is not explicitly exempt from permit requirements pursuant to the Mangrove Trimming and Preservation Act (403.9321-9334 F.S.) shall require additional Class I approval.
11. For any work involving mangrove trimming or alteration, if the subject Class I permit is revoked by DERM, or the state statute providing the exemption is modified or eliminated, the permittee shall be required to obtain a new permit from DERM prior to mangrove trimming or alteration.
12. All work authorized by this permit shall be performed by the contractor and/or subcontractor holding an applicable certificate of competency and shall be licensed in Miami-Dade County or the State of Florida to

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659

Page: 5 of 9

perform such work. Any work which is subcontracted shall require that the permittee and contractor (i.e. the contractor who is listed on this permit) notify the project manager at DERM at (305) 372-6571 or by email at dermcr@miamidade.gov a minimum of 72 hours prior to the subcontractor performing any work. Notification shall include the name of the subcontractor performing the work, the subcontractor's Miami-Dade County license number or state general contractor license number, and scope of work. Failure to comply with this condition is a violation of the Class I permit and may result in enforcement action DERM.

- 13. The contractor shall not store or place, even on a temporary basis, construction or demolition debris in tidal waters or wetlands and shall take all necessary precautions to prevent construction or demolition debris from falling into the water or adjacent wetlands. Any debris that falls into the water and/or adjacent wetlands shall be removed immediately. Construction and demolition debris shall be disposed of in accordance with all federal, state and local regulations.
- 14. Turbidity controls (including but not limited to turbidity curtains) shall be implemented whenever visible plumes are present to ensure compliance with the water quality standards stipulated in Section 24-42(3) of the Code of Miami-Dade County. Turbidity controls shall be employed and maintained around the location where work is actively occurring in the most effective manner possible to prevent turbidity from extending beyond the control mechanism in place.
- 15. Turbidity may not exceed 0 Nephelometric Turbidity Units (NTU) within the Aquatic Preserve or 29 NTU outside of the Aquatic Preserve, above background beyond the turbidity control device or 50 feet from any point of discharge. Turbidity levels shall be monitored. If the turbidity levels exceed the above standards, all construction shall stop and additional turbidity controls shall be implemented. Work shall not resume until the contractor has implemented adequate turbidity control methods and has received authorization from DERM to recommence work. At DERM's discretion, turbidity samples may be required to be collected in accordance with Section 24-44.2(3) of the Code of Miami-Dade County.
- 16. Environmental controls and best management practices shall be implemented to prevent any materials related to construction from entering the surrounding water. Any material removed as well as material applied to accomplish repairs must be contained so as to prevent fugitive particulates and/or discharge to surface waters. Any materials which fall into the water shall be removed immediately. The contractor shall ensure that no material is placed in the water either temporarily or permanently.
- 17. If any work or activity associated with this project is to take place in navigable waters, the contractor shall instruct all personnel associated with the project of the potential presence of manatees and the need to avoid collision with manatees. All vessels associated with the project must operate at "Idle Speed/No Wake" at all times while in water where the draft of the vessel provides less than a 4 foot clearance from the bottom. Additionally, all vessels will follow routes of deep water whenever possible. All in-water construction activities shall cease upon the sighting of a manatee(s) within 50 feet of the project area and will not resume until the manatee(s) has departed the project area. Any collision with and/or injury to a manatee shall be reported immediately to the "Manatee Hotline" (1-888-404-FWCC), the U.S. Fish and Wildlife Service, Jacksonville Field Office (904) 791-2580, and DERM (305) 372-6864.
- 18. The contractor shall ensure that all vessels associated with the construction shall operate within waters of sufficient depth so as to preclude bottom scouring or prop dredging and shall maintain a minimum of 1 foot of water between the vessel bottom and submerged aquatic resources.
- 19. The contractor shall ensure that there are no impacts to seagrass, hard corals, or soft corals as a result of construction operations, such as, but not limited to, propeller scouring; and vessel or barge anchoring, grounding or spudding. The marine contractor and permittee shall be held jointly liable for any of these unauthorized impacts. For any impacts caused by the construction operation, DERM shall require, at a minimum, restoration and mitigation.
- 20. For the purposes of this permit, "vessel" is herein defined as any craft designed to float or navigate on water, including but not limited to: sailboats, powerboats, rowboats, boats, ships, skiffs, houseboats, personal watercraft and inflatable boats.

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659

Page: 6 of 9



21. Pursuant to Section 24-48.10 of the Code of Miami-Dade County the work or structures authorized under this permit shall be privately maintained by the permittee, his successors and assigns. However, in the opinion of the Director of the DERM, said work or structures are not maintained in such a manner so as to prevent deterioration to the extent that they become a hazard to the public or to navigation, or create an obstruction of flow, or prevent access for drainage maintenance purposes, or may damage adjacent property then the permittee is required to perform any necessary remedial work.
22. Unless otherwise authorized in this permit and pursuant to Sections 24-48.23 and 24-48.24 of the Code of Miami-Dade County, the installation or construction of non-water-dependent floating or fixed structures (e.g. covered structures, canopies, helicopter pads, commercial signs, etc.) is prohibited in, on, over or upon any of the tidal waters of Miami-Dade County and constitutes a violation of this permit. Failure to comply with this condition may subject the permittee to enforcement action without further warning.
23. A DERM Class II permit is required for the construction, installation, and/or alteration of any outfall or overflow system in, on, under or upon any water body of Miami-Dade County. In addition, a DERM Class V permit is required for any dewatering of groundwater, surface waters or water, which has entered into an excavation. The contractor shall contact the Water Control Section of DERM at (305) 372-6681 in order to obtain a Class II or Class V permit prior to the construction of any outfall or overflow system and prior to any dewatering activity.
24. The time allotted to complete the work for which this permit has been issued shall be limited to the period stipulated on the permit unless an extension of time is granted pursuant to Section 24-48.9(2) of the Code of Miami-Dade County. Applications for extensions of time shall be submitted to DERM at least 30 days prior to the date of permit expiration; incomplete or untimely applications for extensions of time will be returned to the permittee.
25. An application for Transfer of a Class I permit may be filed with DERM at any time prior to the transfer of property ownership up to 120 days after the date of transfer of fee simple ownership of the property that is the subject of the permit. The Application for Transfer must be signed by both the transferee and transferor. Applications for Transfer shall be filed in the form prescribed by DERM and shall not be processed if the filed Application for Transfer is not fully complete in all respects pursuant to Section 24-48.18, of the Code of Miami-Dade County within 120 days of the date of transfer of property ownership.
26. If the project involves construction, replacement, or repair of a seawall, the new seawall cap shall be a minimum of 6 inches above the final grade of the uplands immediately adjacent, and in order to prevent positive drainage of stormwater into the waterway, all uplands immediately adjacent to the new seawall shall be graded away from the waterway.
27. To further reduce the possibility of injuring or killing a manatee during construction, work within portions of the Biscayne Canal, Little River, and the Coral Gables Waterway shall be performed only between May 1 and November 15.
28. A minimum of 1 foot of clearance shall be maintained at all times between the submerged bottom, and any existing benthic resources, and any vessels moored at the property.
29. Adequate clearance shall be maintained at all times between the submerged bottom, and any existing benthic resources, and any vessels moored at the property, such that there are no impacts to State or County water quality standards, even on a temporary basis, or to benthic resources or the submerged bottom, including but not limited to bottom scouring or prop dredging.
30. If railing is required to be installed pursuant to this permit, it shall be installed within 30 days of completion of the permitted work, and prior to the use of the structure(s) authorized by this permit, including the mooring of vessels.
31. A performance and/or mitigation bond may be held to ensure compliance with the aforementioned conditions and the completion of any required mitigation. Failure to comply with any of these conditions may result in the revocation by Miami-Dade County of all or a portion of the bond without further notice.

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659

Page: 7 of 9

32. Pursuant to Section 24-48.3.(9), the use or installation of unencapsulated polystyrene as defined in Section 24-48.3 shall be prohibited in connection with any work requiring a Class I permit pursuant to Section 24-48.26, for all facilities which are subject to a County marine facilities operating permit pursuant to this chapter, such permit shall require the removal, replacement or repair of any unencapsulated polystyrene where such polystyrene shows evidence of degradation, disintegration, shredding, or other damage, as determined in the discretion of the Director.

DERM  
APPROVED

MIAMIBEACH  
BUILDING DEPARTMENT

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE  
DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659

Page: 8 of 9



# DERM APPROVED

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

COASTAL RESOURCES SECTION

701 NW 1<sup>st</sup> Court, Ste 600, Miami, FL 33136

Phone 305-372-6575 Email [dermcr@miamidade.gov](mailto:dermcr@miamidade.gov)

NOTICE OF COMMENCEMENT OF CONSTRUCTION

MIAMIBEACH BUILDING DEPARTMENT

**PERMIT NO.:** \_\_\_\_\_

**PERMITTEE'S NAME:** \_\_\_\_\_

**PROJECT LOCATION:** \_\_\_\_\_

**PERMIT ISSUANCE DATE:** \_\_\_\_\_

**CONTRACTOR NAME:** \_\_\_\_\_

**PROPOSED DATE OF COMMENCEMENT:** \_\_\_\_\_

**ANTICIPATED DATE OF COMPLETION:** \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**THIS PERMIT AND PLANS SHALL BE KEPT ON SITE DURING ALL PHASES OF CONSTRUCTION**

CLI-2021-0659



Permit Number: BR1802635

Permit Details () | Tab Elements () | Main Menu ()

<b>Type:</b>	Building - Residential - Marine	<b>Status:</b>	Issued
<b>Applied Date:</b>	09/26/2018	<b>Issue Date:</b>	12/06/2019
<b>District:</b>	RS-1	<b>Expire Date:</b>	03/03/2022
<b>Square Feet:</b>	450.00	<b>Valuation:</b>	\$89,500.00
<b>Description:</b>	Seawall cap repair, dock replacement & boat lift replacement.		
<b>Project Name:</b>			
<b>Finalized Date:</b>	12/04/2019		

- Summary
- Locations
- Fees
- Reviews
- Inspections
- Attachments
- Contacts
- Sub-Records
- Holds
- More Info

Locations () | Next Tab () | Permit Details () | Main Menu ()

### Locations

#### Sort

Main ▾

**Type: Location Address**

US  
 28 STAR ISLAND DR,  
 MIAMI BEACH, FL,  
 -331390000, United States

**Main Address**

**Parcel Number**

0242040010235

**Main Parcel**

**Permit Number: BR1802635**

[Permit Details](#) | [Tab Elements](#) | [Main Menu](#)

**Type:**

Building - Residential - Marine

**Status:**

Issued

**Project Name:**

**IVR Number:**

75049

**Applied Date:**

09/26/2018

**Issue Date:**

12/06/2019

**District:**

RS-1

**Assigned To:**

**Expire Date:**

03/03/2022

**Square Feet:**

450.00

**Valuation:**

\$89,500.00

**Finalized Date:**

12/04/2019

**Description:**

Seawall cap repair, dock replacement & boat lift replacement.

DERM  
APPROVED

MIAMIBEACH  
BUILDING DEPARTMENT

# DERM APPROVED

MIAMIBEACH  
BUILDING DEPARTMENT

## Bldg - Final Building Plans

**Submittal Status**

Pass  
Received Date  
09/26/2018  
Due Date  
09/26/2018  
Completed Date  
01/14/2019

**Plans Router Final – Review • Pass • FARLEY CHENETRIA • Completed : 01/14/2019**

## Bldg - Building - Residential - Marine

**Submittal Status**

Pass  
Received Date  
01/10/2019  
Due Date  
01/31/2019  
Completed Date  
01/11/2019

**Urban Forestry Group Review • Not Required • Leon Omar • Completed : 01/11/2019**

**Planning Review • Pass • Deschamps Giselle • Completed : 01/10/2019**

# DERM

# APPROVED

## MIAMIBEACH BUILDING DEPARTMENT

**Electrical Review • Pass • Reyes Jaime • Completed : 01/10/2019**

**Bldg - Building - Residential - Marine**

Submittal Status

Fail

Received Date

12/18/2018

Due Date

01/08/2019

Completed Date

12/19/2018

**Electrical Review • Fail • Marquez Elier • Completed : 12/18/2018**

**Public Works (Building Permits) • Pass • Egemba Eugene • Completed : 12/18/2018**

**Environmental Review • Pass • Kruyff Margarita • Completed : 12/19/2018**

**Bldg - Building - Residential - Marine**

Submittal Status

Fail

Received Date

09/26/2018

Due Date

10/17/2018

Completed Date

12/18/2018

**Public Works (Building Permits) • Fail • Fuentes Pedro • Completed : 09/26/2018**

# DERM APPROVED

Electrical Review • Fail • Marquez Elier • Completed : 09/26/2018

Structural Review • Pass • Franco Vicente • Completed : 09/26/2018

Planning Review • Pass • Brito Alberto • Completed : 09/26/2018

DERM Review • Pass • Franco Vicente • Completed : 09/26/2018

Environmental Review • Not Required • Kruffy Margarita • Completed :  
12/18/2018

MIAMIBEACH  
BUILDING DEPARTMENT

## Building Permit Intake

Submittal Status

Pass

Received Date

09/26/2018

Due Date

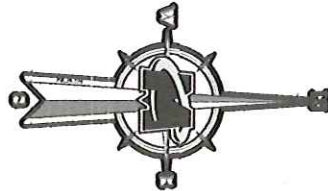
09/26/2018

Completed Date

09/26/2018

Permit Intake Review • Pass • Rodriguez Maria • Completed : 09/26/2018





**PROJECT LOCATION:**

LAT: 25.464393 N LONG: -80.085908 W  
FOLIO: 02-4204-001-0235

**DIRECTIONS:**

I-95 SOUTH, TAKE EXIT 2D,  
TURN LEFT ONTO BRIDGE ROAD,  
TAKE THE 1ST RIGHT ONTO  
STAR ISLAND DR., PROJECT SITE  
IS ON RIGHT.

**PROJECT SITE ADDRESS:**

28 STAR ISLAND DRIVE  
MIAMI BEACH, FLORIDA 33139

**ADJOINING OWNERS:**

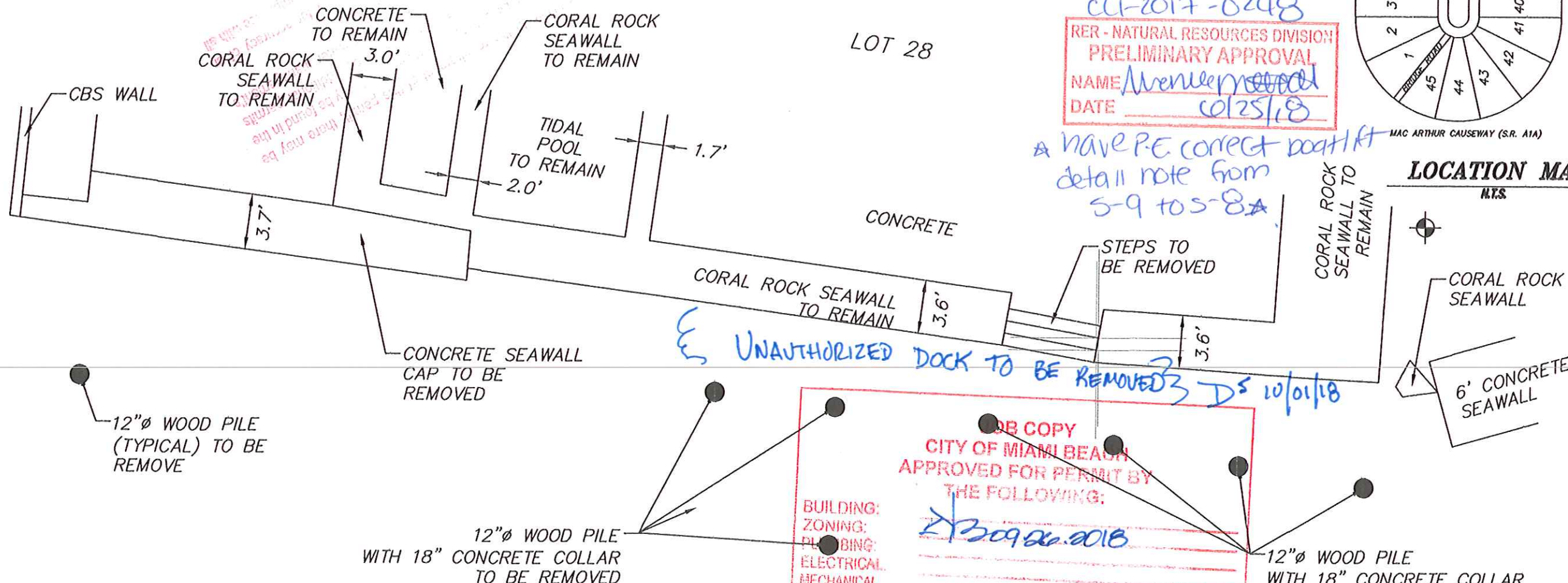
- 27 STAR ISLAND DR.  
MIAMI BEACH, FL. 33139
- 29 STAR ISLAND DR.  
MIAMI BEACH, FL. 33139



**ENLARGED LOCATION MAP**

N.T.S.

LOT 28



**EXISTING SITE PLAN**

N.T.S.

**RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL**

NAME Romina Cores  
DATE 02/09/2022

**JOB COPY  
CITY OF MIAMI BEACH  
APPROVED FOR PERMIT BY  
THE FOLLOWING:**

BUILDING: \_\_\_\_\_  
ZONING: \_\_\_\_\_  
PLUMBING: \_\_\_\_\_  
ELECTRICAL: \_\_\_\_\_  
MECHANICAL: \_\_\_\_\_  
FIRE PREVENTION: \_\_\_\_\_  
FLOOD: \_\_\_\_\_  
PUBLIC WORKS: \_\_\_\_\_  
STRUCTURAL: \_\_\_\_\_  
ELEVATOR: \_\_\_\_\_  
ROOFING: \_\_\_\_\_

BISCAYNE BAY  
12-18-18  
9-26-18

12"Ø WOOD PILE  
(TYPICAL) TO BE  
REMOVE

ENVIRONMENTAL: SK 12/19/16

RECEIVED

JUN 25 2018

Section  
& Restoration

DESIGN - INSPECT

CCI-2017-0248

**RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL**

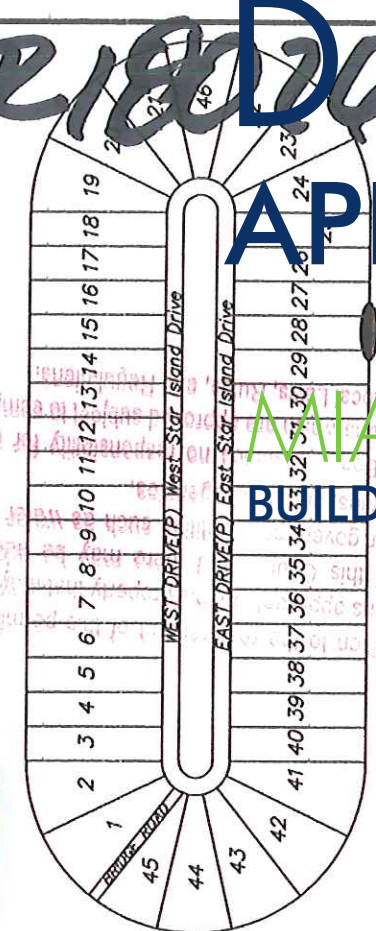
NAME Avenue  
DATE 02/25/18

*Have P.E. correct detail  
detail note from  
5-9 to 5-8*

*UNAUTHORIZED DOCK TO BE REMOVED  
DS 10/01/18*

**BRIDGES**  
**APPROVED**

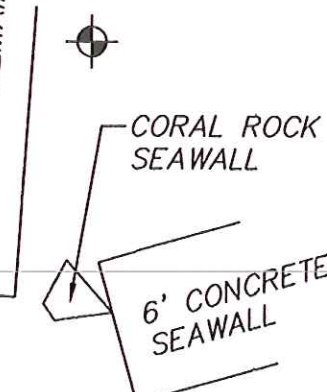
**MIAMI BEACH  
BUILDING DEPARTMENT**



MAC ARTHUR CAUSEWAY (S.R. A1A)

**LOCATION MAP**

N.T.S.



date 10-13-2017  
issued \_\_\_\_\_  
drawn L.R.S.  
checked D.K.S.  
project no. TG-17  
17-2884

**DENIS K. SOLANO**  
LICENSED PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
P.E. 56902  
S.P. 2046  
C.O.A. 00009095

**CONSULTANTS:**  
Solver Structural Partnership, Inc.  
950 NW 22nd Avenue  
Miami, Florida 33125  
E-Mail: info@solverstructural.com  
Phone: (305) 643-8898  
Fax: (305) 643-8899  
DESIGN - INSPECT

job name: MIP 28 STAR ISLAND LLC  
28 STAR ISLAND DRIVE  
MIAMI BEACH, FL 33140  
title: EXISTING SITE PLAN

date 10-13-2017  
issued \_\_\_\_\_  
drawn L.R.S.  
checked D.K.S.  
project no. TG-17  
17-2884

sheet no.  
**S-1**  
1 of 10

# DERM APPROVED

RER - NATURAL RESOURCES DIVISION  
 PRELIMINARY APPROVAL  
 NAME Marianna Torres  
 DATE 02/25/18

MIAMI BEACH  
 RECEIVED  
 BUILDING DEPARTMENT  
 JUN 25 2018

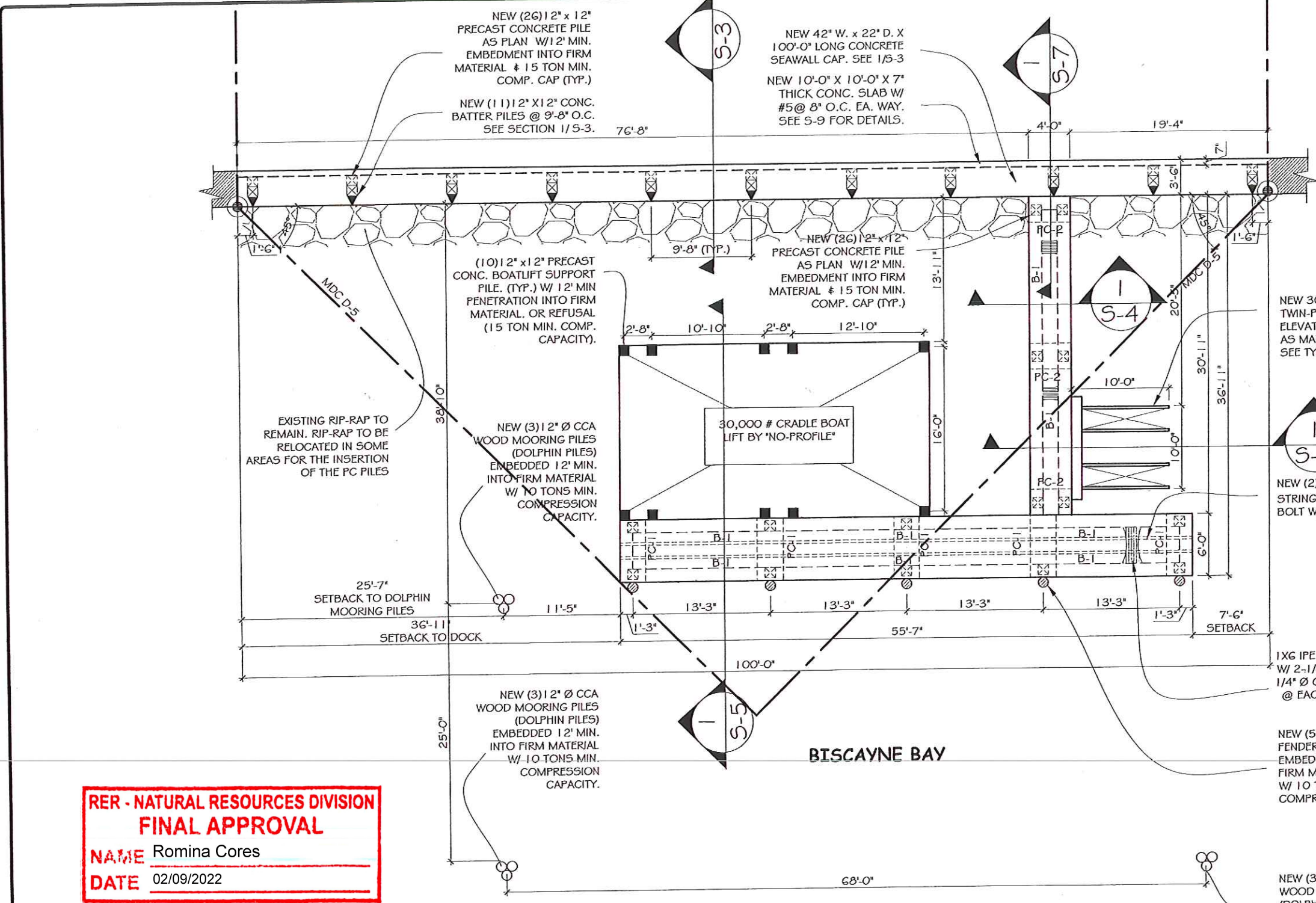
DERM Coastal Resources Section  
 Natural Resources Regulation & Restoration  
 Division (NRRRD)

CONSULTANTS:  
 Solver Structural Partnership, Inc.  
 950 N.W. 31st St., Suite 3100  
 Miami, Florida 33135  
 Tel: (305) 555-4892  
 Email: info@solver.com  
 DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: MIP 28 STAR ISLAND, LLC  
 28 STAR ISLAND DRIVE  
 MIAMI BEACH, FL 33140  
 title: NEW CONC. DOCK & SEAWALL PLAN

date 10-13-2017  
 issued \_\_\_\_\_  
 draw L.R.S.  
 checked D.K.S.  
 project no. TG-17  
 17-2884

sheet no.  
 S-2  
 2 of 10



RER - NATURAL RESOURCES DIVISION  
 FINAL APPROVAL  
 NAME Romina Cores  
 DATE 02/09/2022

**PROPOSED CONC. DOCK & SEAWALL PLAN**

NOTE: ALL ELEVATIONS SHOWN ARE N.G.V.D. N.T.S.

**LEGEND :**

- ☒ NEW (11) 12" x 12" PRECAST CONCRETE KING PILES FOR SEAWALL (TYP.)
- ☒ NEW (15) 12" x 12" PRECAST CONCRETE DOCK PILES (TYP.)
- ▲ (11) NEW 12" x 12" PRECAST CONCRETE BATTER PILES FOR SEAWALL (TYP.)
- NEW (10) 12" x 12" PRECAST CONCRETE BOAT LIFT SUPPORT PILES (TYP.)

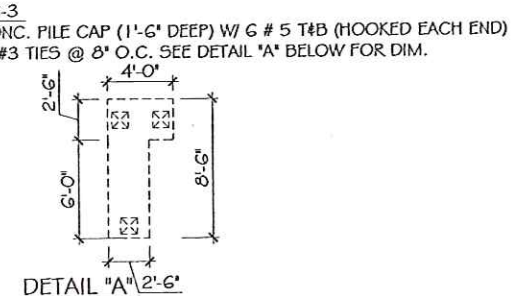
TOTAL AREA :  
 CONC. DOCK= 457 SQ. FT.

**BEAM SCHEDULE**

B-1: 15" X 30" CONC. BEAM REINF. W/ 3 # 6 TOP & BOTT. # 3 @ 12" CLOSED STIRRUPS (TYP.)

**PILE CAP SCHEDULE**

- PC-1  
 2'-6" W. X 1'-6" D. X 6'-0" L. CONC. PILE CAP W/ 6 # 5 T#B (HOOKED EACH END) # 3 TIES @ 8" O.C.
- PC-2  
 2'-6" W. X 1'-6" D. X 4'-0" L. CONC. PILE CAP W/ 6 # 5 T#B (HOOKED EACH END) # 3 TIES @ 8" O.C.
- PC-3  
 CONC. PILE CAP (1'-6" DEEP) W/ 6 # 5 T#B (HOOKED EACH END) # 3 TIES @ 8" O.C. SEE DETAIL 'A' BELOW FOR DIM.



NEW (3) 1 2" Ø CCA WOOD MOORING PILES (DOLPHIN PILES) EMBEDDED 12' MIN. INTO FIRM MATERIAL W/ 10 TONS MIN. COMPRESSION CAPACITY.

NEW (5) 1 2" Ø CCA WOOD FENDER PILES EMBEDDED 12' MIN. INTO FIRM MATERIAL W/ 10 TONS MIN. COMPRESSION CAPACITY.

1X6 IPE DECKING ATTACHED W/ 2-1/4" S.S Ø WOOD SCREWS OR 1/4" Ø GALV. TAPCONS X 3" LONG @ EACH END WHEN APPLICABLE.

NEW (2) 3"x10" P.T. WOOD STRINGER W/ 2-3/8" Ø LAG BOLT W/ (3" EMB)

NEW 3000 # TWIN-PVC CANTILEVERED ELEVATOR LIFT AS MANUFACTURED SEE TYP. ELEV. ON S-8

BISCAYNE BAY

PROFESSIONAL ENGINEER  
 DENIS K. SOLANO  
 No. 06902  
 STATE OF FLORIDA  
 P.E. 56902  
 S.I. 2046  
 C.O.A. 00009095

# DERM APPROVED

**RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL**  
 NAME Romina Cores  
 DATE 02/09/2022

**MIAMI BEACH  
BUILDING DEPARTMENT**

CONSULTANT:  
 Solver Structural Partnership, Inc.  
 950 NW 22nd Avenue  
 Miami, Florida 33135  
 Phone: (305) 543-8699  
 Fax: (305) 543-8692  
 E-Mail: info@solverstructural.com  
 DESIGN - INSPECTION - INVESTIGATION - REPORTS

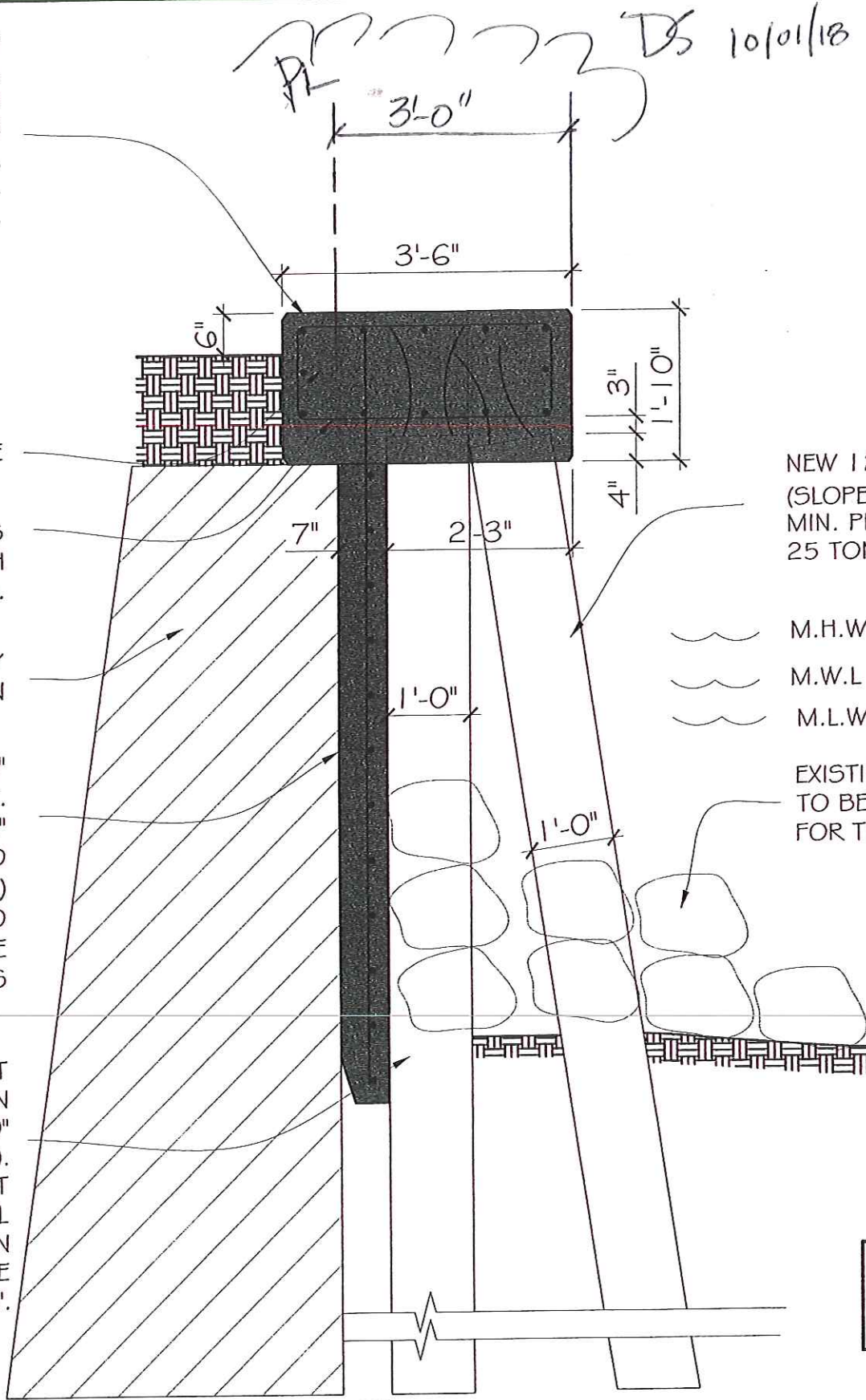
NEW 42" W. x 22" D. X 100'  
 LONG CONCRETE SEAWALL  
 PILE CAP W/ 5#5 T&B & #3  
 TIES @ 12" O.C., PLUS 2#3  
 TIES EA. SIDE OF EA. PILE,  
 EXTEND VERT. PILE REINF.  
 20" MIN. INTO CAP.

1# 5 SKIN BAR EA. FACE  
 #3 @ 12" O.C STIRRUPS  
 PLUS 2 # 3 TIES @ EACH  
 SIDE OF PILES.

EXISTING CONC. GRAVITY  
 WALL TO REMAIN

NEW 10'-0" W. X 10'-0"  
 D. X 7" THICK CONC.  
 SLAB W/ #5 @ 8"  
 O.C.EA. WAY. EXTEND  
 (EVERY OTHER BAR)  
 VERT REINF. 16" INTO  
 SEAWALL CAP. SEE  
 S-10 FOR DETAILS

NEW 12" x 12" PRECAST  
 CONCRETE PILE AS PLAN  
 (EXTENDED REINF. 20"  
 MIN. INTO PILE CAP (TYP).  
 W/ 12' MIN. EMBEDMENT  
 INTO FIRM MATERIAL. ALL  
 PILES MUST BE DRIVEN  
 TO 25 TON CAP. & HAVE  
 A MIN. LENGTH OF 25'.



ELEV. +7.26' N.G.V.D.  
 5.7' N.A.V.D 88  
 TOP OF SEAWALL CAP

NEW 12" X 12" X 25' PRECAST CONC. BATTER PILES @ 9'-8" O.C.  
 (SLOPE 4 IN 12) AS PLAN W/ 4-7/16" Ø 270 KSI STRANDS. PROVIDE  
 MIN. PILE EMBEDMENT 12'-0" (TYP). ALL PILES MUST BE DRIVEN TO  
 25 TON CAP. & HAVE A MIN. LENGTH OF 25'.

M.H.W.L @ EL. +1.6' N.G.V.D.  
 M.W.L @ EL. +0.0' N.G.V.D.  
 M.L.W.L @ EL. -0.6' N.G.V.D.

EXISTING RIP-RAP TO REMAIN. RIP-RAP  
 TO BE RELOCATED IN SOME AREAS  
 FOR THE INSERTION OF THE PC PILES

BERM. -5'-0"  
 N.G.V.D.

**RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL**  
 NAME *Michael Metcalf*  
 DATE *6/25/18*

**RECEIVED**  
 JUN 25 2018  
 DERM Coastal Resources Section  
 Natural Resources Regulation & Restoration  
 Division (NRRRD)

NOTES:  
 1. PROVIDE 3" CLEAR COVER TO STEEL (TYP.)  
 2. PROVIDE 3/4" CHAMFER ALL EXPOSED EDGES. (TYP.)  
 3. EXISTING SEAWALL CAP TO BE REMOVED.

Professional Engineer Seal for Denis K. Solano, P.E. 56902, S.I. 2046, C.O.A. 00009095.

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

job name: MIP 28 STAR ISLAND, LLC  
 28 STAR ISLAND DRIVE,  
 MIAMI BEACH, FL 33140  
 title: SECTION

date 10-13-2017  
 issued \_\_\_\_\_  
 drawn L.R.S.  
 checked D.K.S.  
 project no. TG-17  
17-2884

sheet no.  
**S-3**  
 3 of 10

# DERM APPROVED

RECEIVED

JUN 25 2018

MIAMI BEACH BUILDING DEPARTMENT

CONSULTANTS:  
 Solver Structural Partnership, Inc.  
 950 N.W. 22nd Street, Suite 200  
 Miami, FL 33135  
 Tel: 305.375.0882  
 Fax: 305.375.0882  
 Email: info@solver.com  
 DESIGN - INSPECTION - INVESTIGATION - REPORTS

**RER - NATURAL RESOURCES DIVISION  
 FINAL APPROVAL**  
 NAME Romina Cores  
 DATE 02/09/2022

**RER - NATURAL RESOURCES DIVISION  
 PRELIMINARY APPROVAL**  
 NAME *Money Metcalf*  
 DATE *6/25/18*

NEW CONC. BEAM.  
 SEE PLAN & BEAM  
 SCHEDULE ON S-2

4 # 5 HOOKED DOWELS  
 AT EACH SUPPORT.

1X6 IPE DECKING ATTACHED  
 W/ 2-1/4" 5.5 Ø WOOD SCREWS  
 OR 1/4" Ø GALV. TAPCONS X 3"  
 LONG @ EACH END WHEN  
 APPLICABLE.

ELEV. +7.26' N.G.V.D.  
 5.7' N.A.V.D 88  
 TOP OF DOCK

4 # 5 HOOKED DOWELS  
 AT EACH SUPPORT.

NEW 2'-6" WIDE x 1'-6" DEEP  
 PILE CAP REINF. W/ 6#5 T& B  
 (HOOK TOP BARS 10")  
 & #3 TIES @ 8" O.C.(TYP).

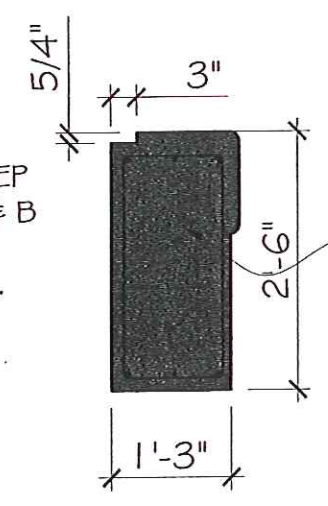
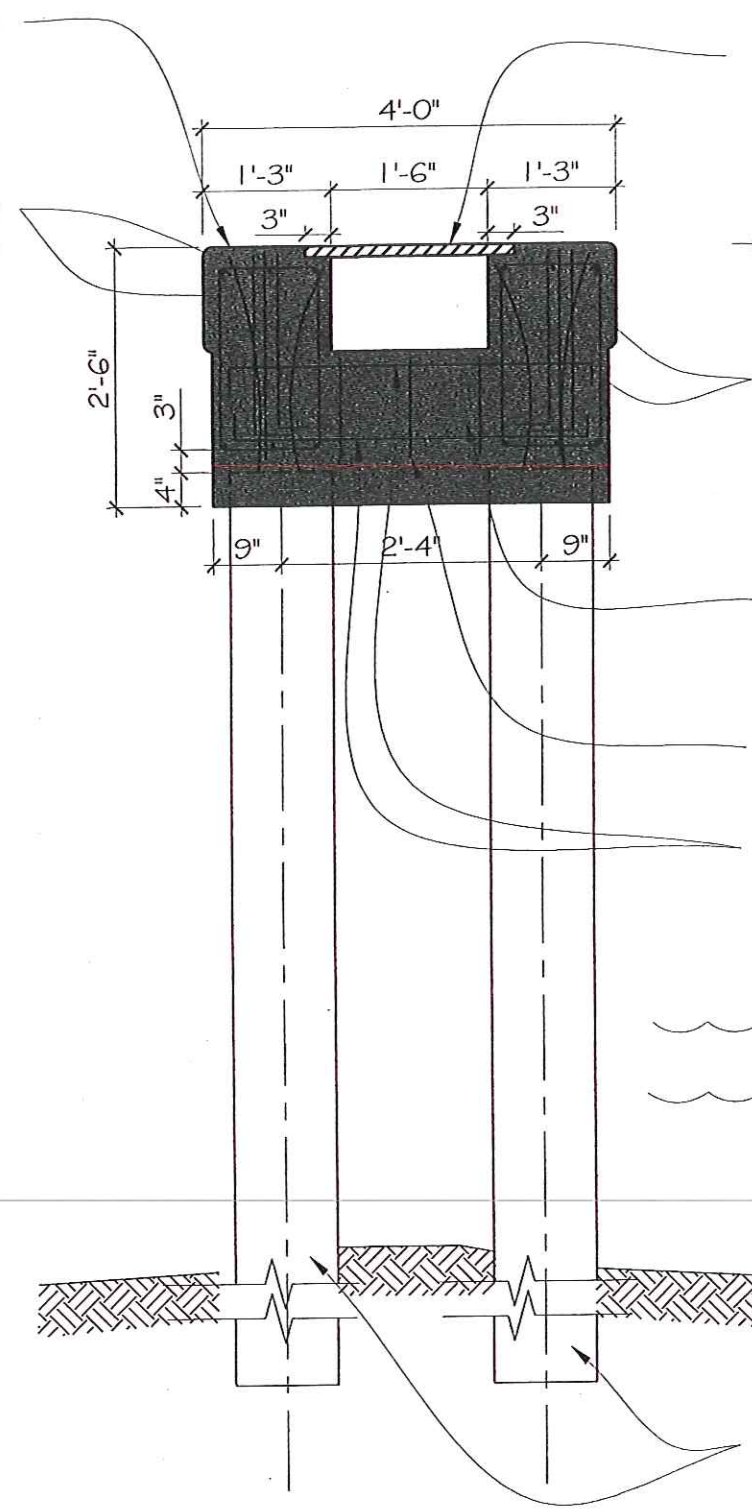
#3 STIRRUPS @ 8" TYP.

6#5 TOP & BOTTOM  
 (HOOK TOP BARS 10")

MHW @ EL. +1.6' N.G.V.D.

MLW @ EL. -0.6' N.G.V.D.

NEW 12" x 12" PRECAST CONCRETE PILE AS PLAN  
 (EXTENDED REINF. 24" MIN. INTO CONC. BEAM  
 (TYP). W/ 12' MIN. EMBEDMENT INTO FIRM  
 MATERIAL & 15 TON MIN. COMP. CAP.



**1 TYP. SECTION**  
**S-4** SCALE: 3/8" = 1'-0"

NOTE:  
 PROVIDE 3" CLEAR COVER TO STEEL (TYP.)  
 PROVIDE 3/4" CHAMFER ALL EXPOSED EDGES. (TYP.)

PROFESSIONAL ENGINEER  
 DENIS K. SOLANO  
 No. 062119  
 P.E. 56902  
 S.I. 2046  
 C.O.A. 00009095

job name: MIP 28 STAR ISLAND LLC  
 28 STAR ISLAND DRIVE  
 MIAMI BEACH, FL 33140  
 title: SECTION

date 10-13-2017  
 issued  
 drawn L.R.S.  
 checked D.K.S.  
 project no. TG-17  
 17-2884

sheet no.  
**S-4**  
 4 of 10

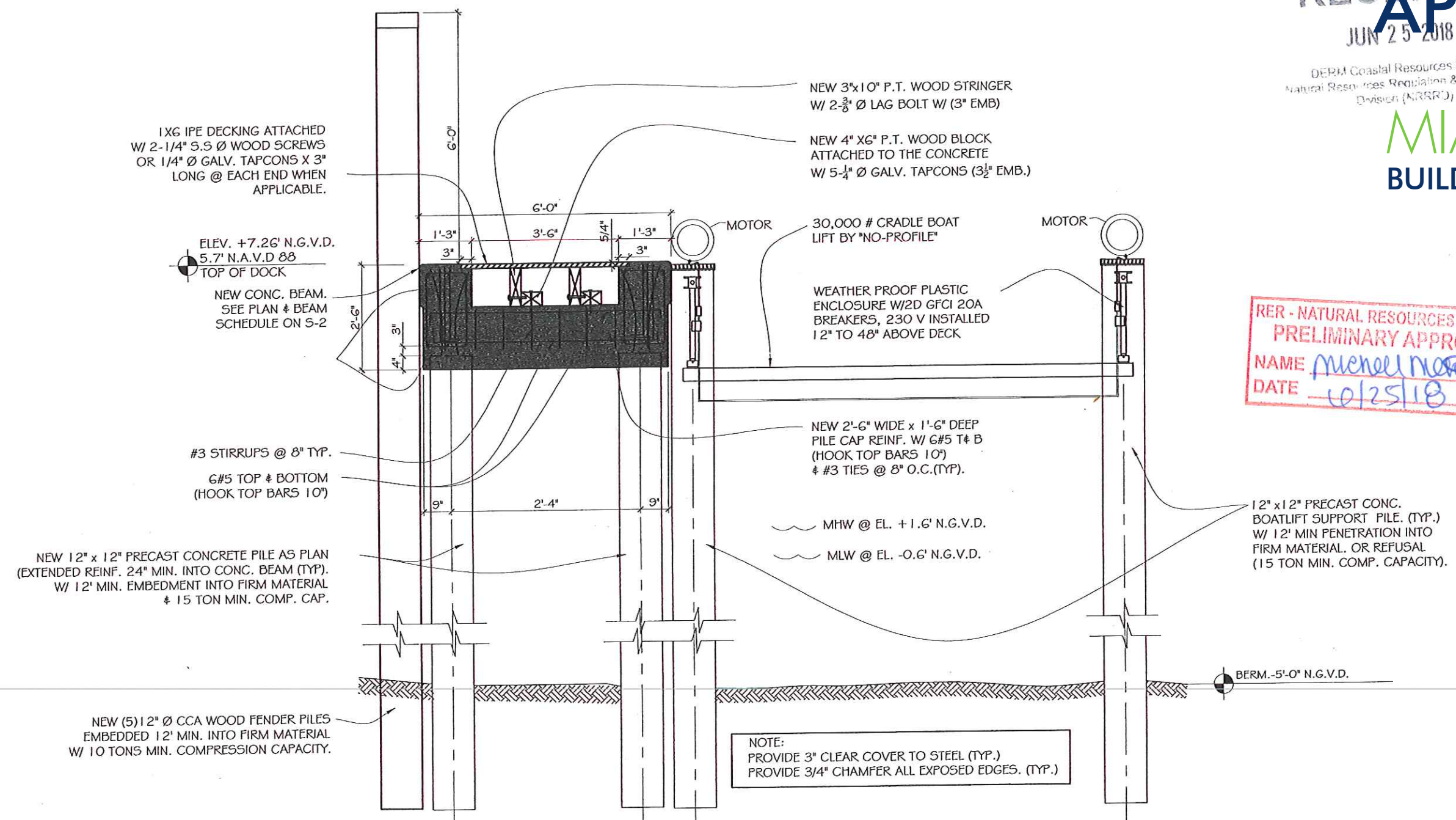
# DERM

## RECEIVED APPROVED JUN 25 2018

DERM Coastal Resources Section  
Natural Resources Regulation & Restoration  
Division (NRRD)

### MIAMI BEACH BUILDING DEPARTMENT

CONSULTANTS:  
Solver Structural Partnership, Inc.  
950 N.W. 22nd Ave.  
Miami, Florida 33135  
Phone: (305) 543-8866  
Fax: (305) 543-8882  
E-Mail: info@solver.com  
DESIGN - INSPECTION - INVESTIGATION - REPORTS



RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME Michel Narsel  
DATE 10/25/18

**1 TYP. SECTION**  
S-5 SCALE: 1/4" = 1'-0"

RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL  
NAME Romina Cores  
DATE 02/09/2022

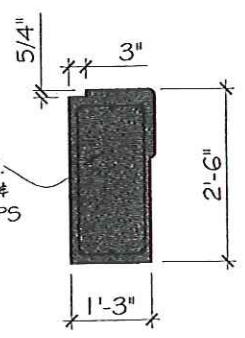
PROFESSIONAL ENGINEER  
DENIS K. SOLANO  
No. 0620178  
P.E. 56902  
S.I. 2046  
C.O.A. 00009095

job name: MIP 28 STAR ISLAND JEC  
28 STAR ISLAND DRIVE  
MIAMI BEACH, FL 33140  
title: SECTION

date 10-13-2017  
issued \_\_\_\_\_  
drawn L.R.S.  
checked D.K.S.  
project no. TG-17  
17-2884

sheet no.  
**S-5**  
5 of 10

15" WIDE x 30" DEEP CONC. BEAM. REINF. W/ 3#6 TOP & BOTT. AND #3@5" STIRRUPS (TYP.).



# DERM APPROVED

**RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL**  
 NAME Romina Cores  
 DATE 02/09/2022

**MIAMI BEACH  
BUILDING DEPARTMENT**

CONSULTANTS:  
 Solver Structural Partnership, Inc.  
 950 N.W. 22 ND ST  
 Miami, Florida 33135  
 Phone: (305) 642-8699  
 Fax: (305) 642-8692  
 E-Mail: info@solver.com  
 DESIGN - INSPECTION - INVESTIGATION - REPORTS

*DS 10/01/18*

**RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL**  
 NAME *N. Mendelsohn*  
 DATE *6/25/18*

**RECEIVED**  
 JUN 25 2018  
 DERM Coastal Resources Section  
 Natural Resources Regulation & Restoration  
 Division (NRRRD)

job name: MIP 28 STAR ISLAND LLC  
 28 STAR ISLAND DRIVE  
 MIAMI BEACH, FL 33140  
 title: SECTION

date 10-13-2017  
 issued \_\_\_\_\_  
 drawn L.R.S.  
 checked D.K.S.  
 project no. TG-17  
 17-2884

sheet no.  
**S-6**  
 6 of 10

ALUM. CHANNEL FASTEN LIFT  
 ANGLE TO CAP WITH  
 (3) 3/4" S.S. WEDGE ANCHORS  
 BY SIMPSOM  
 (7" MIN EMBEDMENT).

NEW CONC. BEAM.  
 SEE PLAN & BEAM  
 SCHEDULE ON S-2

ELEV. +7.26' N.G.V.D.  
 5.7' N.A.V.D 88  
 TOP OF DOCK

NEW 2'-6" WIDE x 1'-6" DEEP  
 PILE CAP REINF. W/ 6#5 T& B  
 (HOOK TOP BARS 10")  
 & #3 TIES @ 8" O.C.(TYP).  
 PLEASE REFER TO S-3 FOR  
 PILE CAP FRAMING DETAILS.

NEW 12" x 12" PRECAST CONCRETE  
 PILE AS PLAN (EXTENDED REINF. 24"  
 MIN. INTO CONC. BEAM (TYP). W/ 12"  
 MIN. EMBEDMENT INTO FIRM  
 MATERIAL & 15 TON MIN. COMP.  
 CAP.

MOTOR AND  
 GEAR BOX  
 6" WHEEL (TYP.)  
 3" SCHED. 40X10' LONG  
 P.V.C. PIPE

AS CHANNEL

NEW 3000 #  
 PWC CANTILEVERED  
 ELEVATOR LIFT. SEE DETAIL ON S-8

CRADLE BEAM

AA I-BEAM

MHW @ EL. +1.6' N.G.V.D.

MLW @ EL. -0.6' N.G.V.D.

BERM  
 (-5.0' N.G.V.D.)

4'-0" MIN. EMB.  
 INTO FIRM MATERIAL

**DENIS K. SOLANO**  
 LICENSE  
 No. 46902  
 P.E. 56902  
 S.I. 2046  
 C.O.A. 00009095

**1 TYP. SECTION**  
 SCALE: 3/8" = 1'-0"  
 Job Copy

# DERM APPROVED

RECEIVED  
JUN 15 2018  
DERM Coastal Resources Section  
Natural Resources Regulation & Restoration  
Division (NRRRD)

## MIAMI BEACH BUILDING DEPARTMENT

CONSULTANTS:  
SOLVER STRUCTURAL PARTNERSHIP, INC.  
300 N. MIAMI AVENUE, SUITE 200  
MIAMI, FLORIDA 33136  
Tel: 305-375-8824  
Fax: 305-375-8824  
E-Mail: info@solver.com  
DESIGN - INSPECTION - INVESTIGATION - REPORTS

NEW 42" W. x 22" D. X 100'  
LONG. CONCRETE SEAWALL  
PILE CAP W/ 5#5 T&B & #3  
TIES @ 12" O.C., PLUS 2#3  
TIES EA. SIDE OF EA. PILE,  
EXTEND VERT. PILE REINF.  
20" MIN. INTO CAP.

ELEV: +7.26' N.G.V.D.  
ELEV: +5.7' N.A.V.D. 88  
TOP OF CONC. DOCK

NEW CONC. BEAM.  
SEE PLAN & BEAM  
SCHEDULE ON S-2

2" CLEAR COVER

1# 5 SKIN BAR EA. FACE

#3 @ 12" O.C STIRRUPS  
PLUS 2 # 3 TIES @ EACH  
SIDE OF PILES.

EXISTING CONC. GRAVITY  
WALL TO REMAIN

NEW 10'-0" W. X 10'-0"  
D. X 7" THICK CONC.  
SLAB W/ #5 @ 8"  
O.C.EA. WAY. EXTEND  
(EVERY OTHER BAR)  
VERT REINF. 16" INTO  
SEAWALL CAP. SEE  
S-10 FOR DETAILS

NEW 12" x 12" PRECAST  
CONCRETE PILE AS PLAN  
(EXTENDED REINF. 20"  
MIN. INTO PILE CAP (TYP).  
W/ 12' MIN. EMBEDMENT  
INTO FIRM MATERIAL. ALL  
PILES MUST BE DRIVEN  
TO 25 TON CAP. & HAVE  
A MIN. LENGTH OF 25'.

NEW 2'-6" WIDE x 1'-6" DEEP PILE CAP  
REINF. W/ 6#5 T&B (HOOK TOP BARS  
10") & #3 TIES @ 8" O.C.(TYP).

6#5 TOP & BOTTOM (HOOK TOP BARS 10")

#3 STIRRUPS @ 8" TYP.

M.H.W.L @ EL. +1.6' N.G.V.D.

M.W.L @ EL. +0.0' N.G.V.D.

M.L.W.L @ EL. -0.6' N.G.V.D.

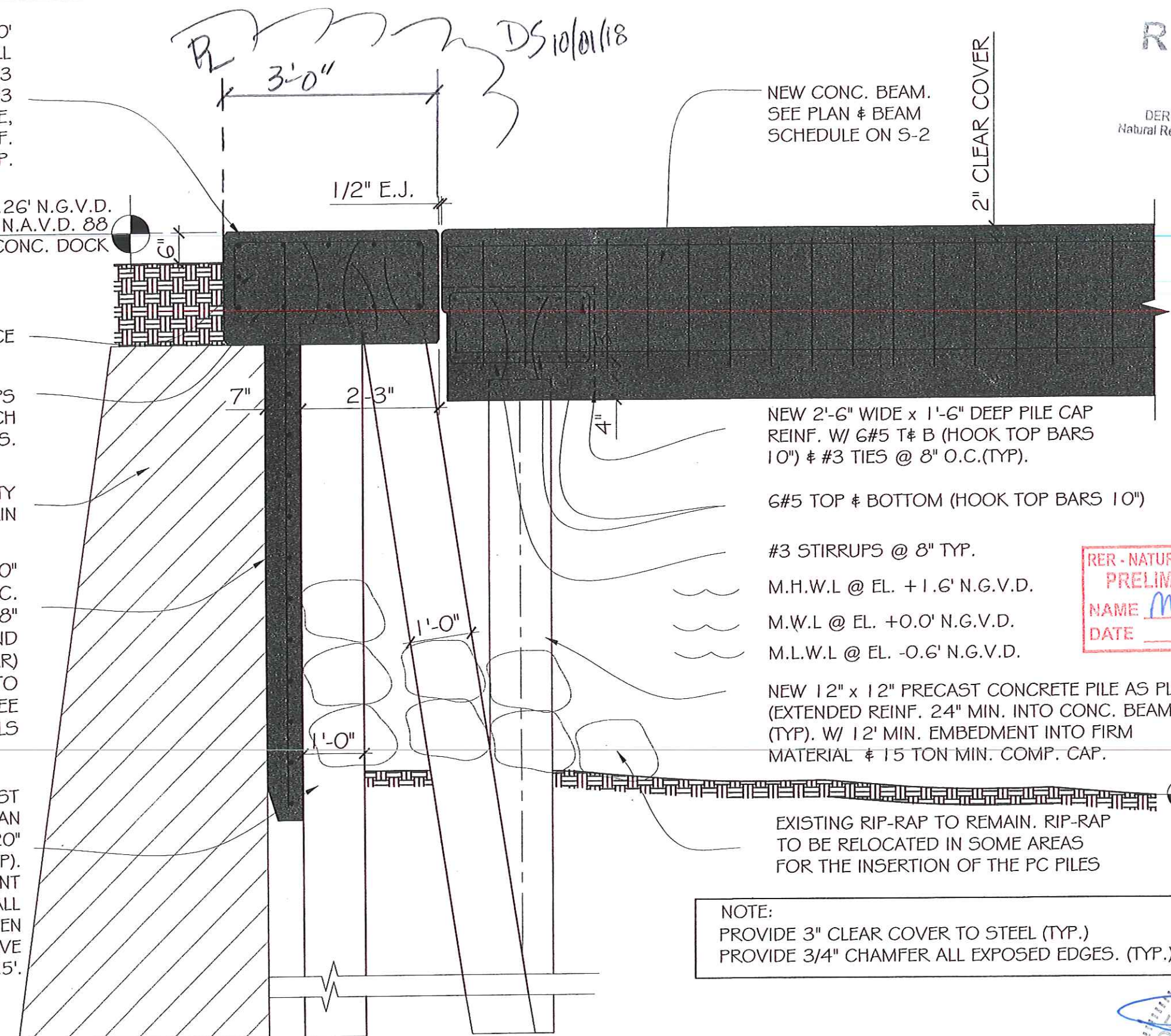
NEW 12" x 12" PRECAST CONCRETE PILE AS PLAN  
(EXTENDED REINF. 24" MIN. INTO CONC. BEAM  
(TYP). W/ 12' MIN. EMBEDMENT INTO FIRM  
MATERIAL & 15 TON MIN. COMP. CAP.

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME Monelle Metcalf  
DATE 6/25/18

EXISTING RIP-RAP TO REMAIN. RIP-RAP  
TO BE RELOCATED IN SOME AREAS  
FOR THE INSERTION OF THE PC PILES

NOTE:  
PROVIDE 3" CLEAR COVER TO STEEL (TYP.)  
PROVIDE 3/4" CHAMFER ALL EXPOSED EDGES. (TYP.)

Handwritten: *DS 10/01/18*  
Handwritten: *3'-0"*



RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL  
NAME Romina Cores  
DATE 02/09/2022 12:30:29 PM

### 1 DOCK LONGITUDINAL SECTION

S-7 SCALE: 3/8" = 1'-0"

Professional Engineer Seal:  
DENNIS K. SOLANO  
LICENSE No. 56902  
Dennis K. Solano  
STATE OF FLORIDA  
P.E. 56902  
S.I. 2046  
C.O.A. 00009095

job name: MIP 28 STAR ISLAND LLC  
28 STAR ISLAND DRIVE  
MIAMI BEACH, FL 33140  
SECTION

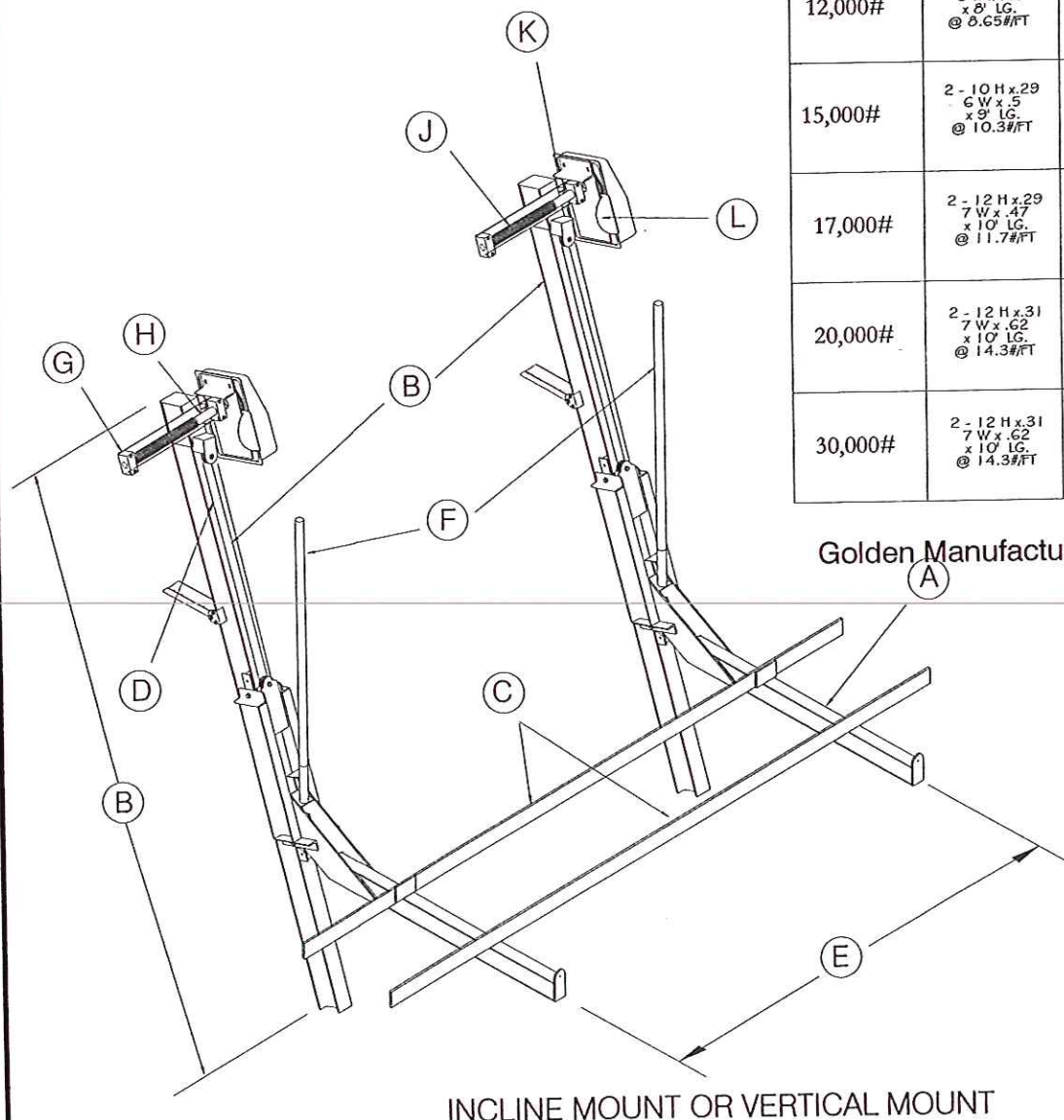
date 10-13-2017  
issued \_\_\_\_\_  
drawn L.R.S.  
checked D.K.S.  
project no. TG-17 17-2884

sheet no.  
S-7  
7 of 10

# DERM APPROVED

**RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL**  
NAME Romina Cores  
DATE 02/09/2022

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)	(L)	
LIFT CAPACITY	CRADLE I-BEAM	TRACK I-BEAM	BUNK BOARDS FEET	CABLE SIZE	TRACK SPREAD	GUIDE POST HEIGHT	BRGS	DRIVE SHAFT	WINDER DIA	GEAR RATIO	MOTOR HP/VOLTAGE	INCHES OF LIFT PER MIN.
3,000#	2 - 6 H x .19 4 W x .29 x 7' LG @ 4.03#/FT	2 - 8 H x .23 5 W x .35 x 25' LG @ 6.18#/FT		2 - 5/16" Ø x 20' S.S. 2 PART	7' THRU 10'						2 - 3/4 HP 120V/20A 240V/10A	
5,000# & 7,000#	2 - 8 H x .23 5 W x .35 x 8' LG @ 6.18#/FT	2 - 8 H x .25 5 W x .41 x 25' LG @ 7.02#/FT	2 - 2 x 8 x 144 ROUGH SAWN CARPETED	2 - 5/16" Ø x 30' S.S. 2 PART		80"	4 - 2" EXTRUDED 6061-T6 ALUM	2 - 1/2" Ø SCHEDULE 80 ALUM. PIPE			5,000# 2 - 3/4 HP 7,000# 2 - 1 HP	13-1/2"
10,000#	2 - 9 H x .27 5.5 W x .44 x 8' LG @ 8.36#/FT	2 - 9 H x .27 5.5 W x .44 x 25' LG @ 8.36#/FT			8' THRU 12'					96:1	2 3/4 HP 120V/20A 240V/10A	
12,000#	2 - 10 H x .25 6 W x .41 x 8' LG @ 8.65#/FT	2 - 10 H x .25 6 W x .41 x 25' LG @ 8.65#/FT		2 - 3/8" Ø x 38' S.S. 3 PART								9"
15,000#	2 - 10 H x .29 6 W x .5 x 9' LG @ 10.3#/FT	2 - 10 H x .29 6 W x .50 x 25' LG @ 10.3#/FT										
17,000#	2 - 12 H x .29 7 W x .47 x 10' LG @ 11.7#/FT	2 - 12 H x .31 7 W x .47 x 25' LG @ 11.7#/FT	2 - 3 x 10 x 192 ROUGH SAWN CARPETED	2 - 3/8" Ø x 50' S.S. 4 PART	8' THRU 14'	120"					2 - 1 HP 120V/20A 240V/10A	6 3/4"
20,000#	2 - 12 H x .31 7 W x .62 x 10' LG @ 14.3#/FT	2 - 12 H x .31 7 W x .62 x 25' LG @ 14.3#/FT										
30,000#	2 - 12 H x .31 7 W x .62 x 10' LG @ 14.3#/FT	2 - 12 H x .31 7 W x .62 x 25' LG @ 14.3#/FT	2 - 4 x 12 x 240 R.S.C.	2 - 7/16" Ø x 50' S.S. 4 PART	12' THRU 16'						2 - 1 1/2 HP 120V/20A 240V/10A	



Golden Manufacturing, Inc. 3586 Veronica S. Shoemaker Blvd, Fort Myers, Fl. 33916 Pub 0903

**RECEIVED**  
JUN 25 2018  
DERM Coastal Resources Section  
Natural Resources Regulation & Restoration  
Division (NRRRD)

**RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL**  
NAME *Macneil*  
DATE *02/25/18*

**STRUCTURAL ENGINEERING REVIEW**

The gravity and wind loads for this construction have been calculated and main wind force resisting system and components and cladding of this building design do comply with the Florida Building Code 5th ED. (2014), Section 1609 for wind pressures generated by a basic wind speed of 178 MPH.

Professional Engineer License  
No. 56902  
DENIS K. SOLANO  
FLORIDA

Denis K. Solano  
P.E. 56902  
S.I. 2046  
C.O.A. 00009095

CONSULTANTS:  
Soliver Structural Partnership, Inc.  
560 N. Pine St., Suite 200  
Miami, Florida 33132  
Tel: (305) 351-8800  
Fax: (305) 351-8802  
E-Mail: info@soliver.com  
www.soliver.com  
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: MIP 28 STAR ISLAND LLC  
28 STAR ISLAND DRIVE,  
MIAMI BEACH, FL 33140  
title: DETAILS

date 10-13-2017  
issued  
drawn L.R.S.  
checked D.K.S.  
project no. TG-17  
17-2884

sheet no.  
S-8  
8 of 10

**NOTE: THIS STRUCTURE WILL WITHSTAND WIND LOADS ASSOCIATED WITH WIND SPEEDS OF 178 MPH CALCULATED PER F.B.C. (5 ED) CH16 & ASCE DOCUMENT 7-10 BOATS SHALL NOT BE STORED ON LIFTS DURING HIGH WIND EVENTS.**

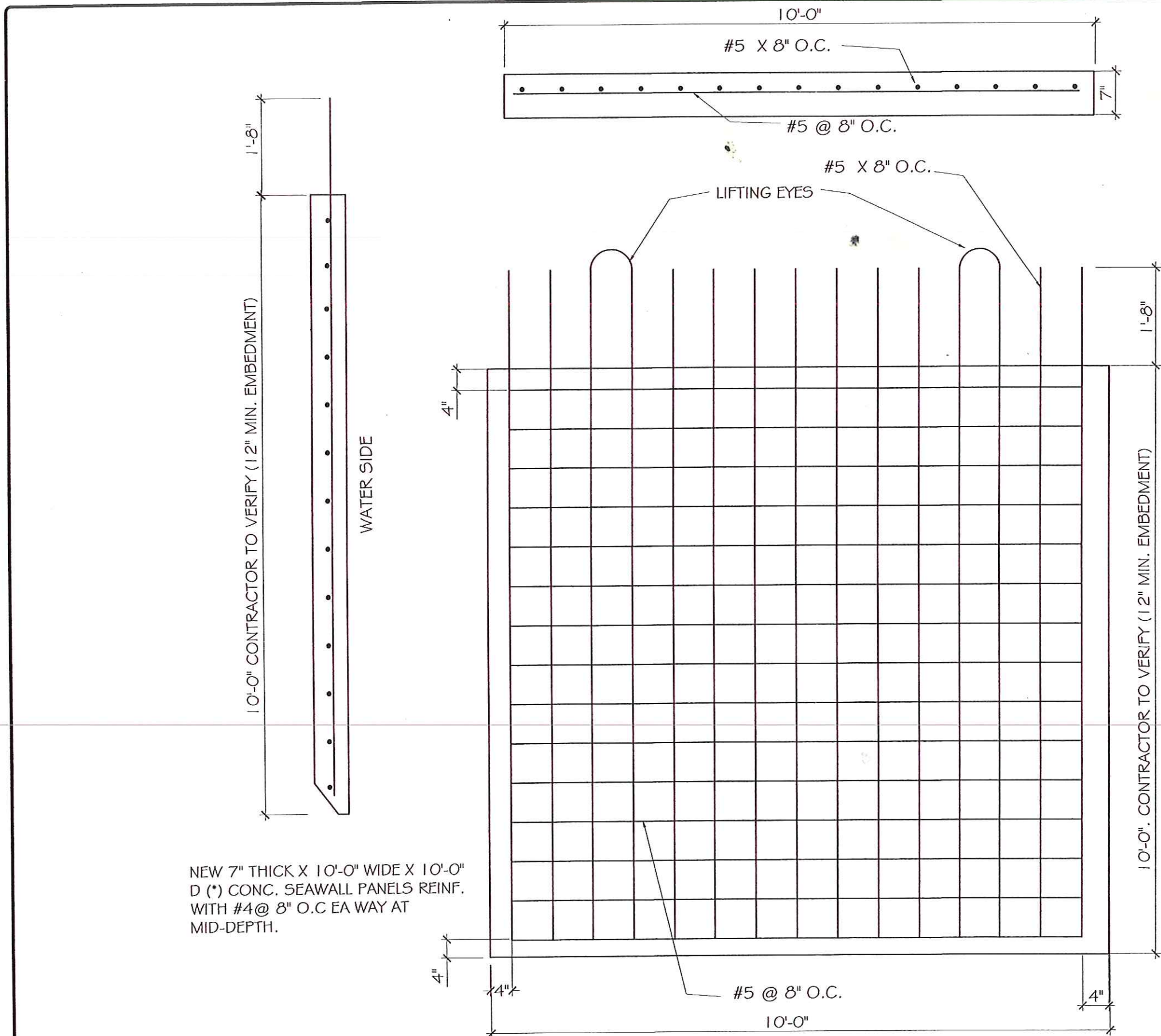


# DERM APPROVED

**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
 NAME Romina Cores  
 DATE 02/09/2022

**MIAMI BEACH**  
**BUILDING DEPARTMENT**

CONSULTANTS  
 Solver Structural Partnership, Inc.  
 950 NW 22nd Avenue, Phone: (305) 643-6699  
 Miami, Florida 33125 Fax: (305) 643-6692  
 E-Mail: info@solverstructural.com  
 DESIGN - INSPECTION - INVESTIGATION - REPORTS



NEW 7" THICK X 10'-0" WIDE X 10'-0" D (\*) CONC. SEAWALL PANELS REINF. WITH #4 @ 8" O.C EA WAY AT MID-DEPTH.

## CONC. PANEL DETAIL

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 JUN 25 2018

DERM Coastal Resources Section  
 Natural Resources Regulation & Restoration  
 Division (NRRRD)

**RER - NATURAL RESOURCES DIVISION**  
**PRELIMINARY APPROVAL**  
 NAME *Michael Metcalf*  
 DATE *10/25/19*

DENIS K. SOLANO  
 LICENSE  
 No. 56902  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 Denis K. Solano  
 P.E. 56902  
 S.I. 2046

job name: MIP 28 STAR ISLAND LLC  
 28 STAR ISLAND DRIVE  
 MIAMI BEACH, FL 33140  
 title: DETAILS

date 10-13-2017  
 issued \_\_\_\_\_  
 drawn L.R.S.  
 checked D.K.S.  
 project no. TG-17  
 17-2884

sheet no.  
 S-9  
 9 of 10

GENERAL NOTES

CONCRETE AND REINFORCING STEEL

1. ALL CONCRETE (EXCEPT PRECAST PILES) SHALL ATTAIN A MIN. COMPRESSIVE STRENGTH OF 5000 P.S.I. AT THE END OF 28 DAYS. FOUR (4) CONCRETE CYLINDERS SHALL BE TAKEN FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF AND SHALL BE TESTED AT 3, 7 & 28 DAYS. SLUMP SHALL NOT EXCEED 4" (± 1").
2. ALL REINFORCEMENT SHALL BE 60,000 P.S.I. MINIMUM YIELD NEW BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60. ALL BAR LAPS SHALL BE A MINIMUM OF 36 BAR DIAMETERS. PLACING OF REINFORCEMENT SHALL CONFORM TO THE LATEST ACI CODE AND MANUAL OF STANDARD PRACTICE.
3. ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES FROM BATCH TIME, AND VIBRATED AS REQUIRED BY THE ACI MANUAL OF CONCRETE PRACTICE. TEMPERATURE OF CONCRETE AT TIME OF PLACEMENT SHALL BE BETWEEN 75° AND 100° F.
4. ALL CONCRETE DECK SURFACES SHALL HAVE A LIGHT BROOM FINISH.
5. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4", OR AS SHOWN ON THE PLANS.

PRECAST CONCRETE PILING

1. PRECAST CONCRETE DOCK PILES SHALL BE 12" x 12" PILES W/5000 P.S.I. MIN. CONCRETE & 4-7/16" Ø 270 K.S.I. ASTM A416 LOW-LAX STRANDS W/ 2 1/2" MIN. CONCRETE COVER TO TIES. DRIVEN TO A MINIMUM BEARING CAPACITY OF 10 TONS WITH 12' MIN. PENETRATION INTO FIRM MATERIAL BELOW SILT LAYER OR REFUSAL.
2. PILES SHALL BE CUT OFF ATR ELEVATIONS SHOWN ON THE PLANS & SECTIONS.

3. PILE MUST HAVE A MIN. LENGTH OF 25'-0" AND DRIVEN TO REFUSAL OR 32 HAMMER BLOWS (4500 # MIN. HAMMER WEIGHT / 7-5' MIN. DROP) PER THE LAST 10" OF PENETRATION.

STEEL

1. ALL BOLTS SHALL BE TYPE 316 STAINLESS STEEL.

MISCELLANEOUS

1. FASTENERS EMBEDDED INTO DOCK STRUCTURE SHALL BE ANCHORED WITH TWO PARTY EPOXY ADHESIVE ("RAWL" CHEM-FAST CARTRIDGE SYSTEM OR EQUAL). ANCHOR HOLES SHALL BE DRILLED TO 1/8" GREATER THAN THE SPECIFIED FASTENER. HOLES SHALL BE DRILLED TO MINIMUM DEPTH SHOWN ON THE PLANS, AND SHALL BE THOROUGHLY CLEANED OUT AND DRY PRIOR TO INJECTION OF EPOXY.

GENERAL

ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ENGINEER BEFORE PROCEEDING WITH WORK.

IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS AF THESE PERMITS.

APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 6th EDITION, (2017).

DESIGN LOADS

1. DOCK LL. 60 PSF

WOOD

1. PRIMARY WOOD FRAMING MEMBERS SHALL BE NO. 1 PRESSURE TREATED SOUTHERN PINE.
2. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.
3. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH WORK.
4. IT IS THE INTENT OF THESE PLANS AND THE REPONSABILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE AND FEDERAL ENVIROMENTAL PERMITS ISSUED FOR THIS PROYECT. IT SHALL BE THE CONTRACTORS RESPONSABILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
5. APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 5th EDITION, (2014).

WOOD PILES:

1. WOOD DOCK PILES SHALL BE 12" DIA. PILES WITH 15 TONS MIN. BEARING CAPACITY DRIVEN TO A MINIMUM BEARING CAPACITY OF 10 TONS WITH 12' MIN PENETRATION INTO FIRM MATERIAL BELOW SILT LAYER OR REFUSAL.
2. PILES SHALL BE CUT OFF ATR ELEVATIONS SHOWN ON THE PLANS & SECTIONS.

DERM APPROVED

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JUN 25 2018  
DERM Coastal Resources Section  
Natural Resources Regulation & Restoration Division (NRRRD)

MIAMI BEACH  
BUILDING DEPARTMENT

RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL

NAME Romina Cores  
DATE 02/09/2022

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL

NAME Michelle Metcalfe  
DATE 6/25/18

CONSULTANTS  
Solver Structural Partners, Inc.  
950 N.W. 22 ND ST  
Miami, Florida 33137  
Phone: 305-644-9999  
Fax: 305-644-9992  
E-mail: info@solvers.com  
DESIGN - INSPECTION - INVESTIGATION - REPORTS

job name: MIP 28 STAR ISLAND LLC  
28 STAR ISLAND DRIVE  
MIAMI BEACH, FL 33140  
title: STRUCTURAL NOTES

date 10-13-2017  
issued \_\_\_\_\_  
drawn L.R.B.  
checked D.K.S.  
project no. IG-17  
17-2884

DENIS K. SOLANO  
LICENSE  
No. 56902  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
P.E. 56902  
S.I. 2046  
C.O.A. 00009095

sheet no.  
**S-10**  
10 of 10

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/time.asp>

1/27/2022 10:25:27 AM

DERM  
APPROVED

Contact Name: Stephania Campo

Contact Email: SCAMPO@PERMITDOCTOR.COM

Tracking Number: 0222003595

Reviews to rework: DCOA

MIAMIBEACH  
BUILDING DEPARTMENT

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/time.asp>

1/27/2022 12:43:06 PM

DERM  
APPROVED

Contact Name: Stephania Campo

Contact Email: SCAMPO@PERMITDOCTOR.COM

Tracking Number: 0222003595

Reviews to rework: DPAD

MIAMIBEACH  
BUILDING DEPARTMENT

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/time.asp>

12/29/2021 12:21:38 PM

DERM  
APPROVED

Contact Name: Stephania Campo

Contact Email: SCAMPO@PERMITDOCTOR.COM

Tracking Number: 0222003595

Reviews to rework: DERM

MIAMIBEACH  
BUILDING DEPARTMENT

MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

<http://www.miamidade.gov/building/time.asp>

2/10/2022 12:07:17 PM

DERM  
APPROVED

Contact Name: Stephania Campo

Contact Email: SCAMPO@PERMITDOCTOR.COM

Tracking Number: 0222003595

Reviews to rework: DCOA

MIAMIBEACH  
BUILDING DEPARTMENT

Miami-Dade Department of Regulatory and Economic Resources  
**CONTACT INFORMATION FOR PERMIT APPLICATION**

DERM  
**APPROVED**

MIAMI BEACH  
 BUILDING DEPARTMENT

FIRST NAME <i>(print clearly)</i> Stephania	LAST NAME <i>(print clearly)</i> Campo
MOBILE PHONE 7862509758	OFFICE/HOME PHONE

EMAIL *(required so you can be notified on the status of your plans)*  
 scampo@permitdoctor.com

COMMENTS *(If you are submitting a municipal plan, please provide the municipal process number(s) and ensure the municipal application is in the office set of plans.)*

**PLANS (check all that apply)**

Please indicate if plans qualify for the following expedited plan reviews:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> GOV'T PROJECT/DEPT _____      | <input type="checkbox"/> GREEN BLDG* <i>(new construction only)</i> | <input type="checkbox"/> PACE PROJECT* |
| <input type="checkbox"/> AFFORDABLE/WORKFORCE HOUSING* | <input type="checkbox"/> ECONOMIC SIGNIFICANCE*                     | <input type="checkbox"/> CONCIERGE     |
- (\*Pursuant to Ordinance 99-140; Ordinance 05-115; and Ordinance 08-51. Project may have additional requirements.)*

**REQUESTED PLAN REVIEWS (check all that apply for rework only)**

- |                                      |  |   |   |  |   |
|--------------------------------------|--|---|---|--|---|
| <input type="checkbox"/> ALL         | <input type="checkbox"/> BLDG/HCAP       | <input type="checkbox"/> ELEC                   | <input type="checkbox"/> ENRG           | <input type="checkbox"/> FIRE                      | <input type="checkbox"/> ROOF                             |
| <input type="checkbox"/> LANDSCAPING | <input type="checkbox"/> MECH            | <input type="checkbox"/> PLUM                   | <input type="checkbox"/> PWKS           | <input type="checkbox"/> PWCC                      | <input type="checkbox"/> SIGN                             |
| <input type="checkbox"/> STRU        | <input type="checkbox"/> ZNPR            | <input type="checkbox"/> WASD                   | <input type="checkbox"/> PWIF           | <input type="checkbox"/> LPGX                      | <input type="checkbox"/> SHOP DRAWING                     |
| <input type="checkbox"/> DERM CORE   | <input type="checkbox"/> DERM AIR        | <input type="checkbox"/> DERM AIRPORT           | <input type="checkbox"/> DERM ASBESTOS  | <input type="checkbox"/> DERM COASTAL              | <input type="checkbox"/> DERM FLOOD                       |
| <input type="checkbox"/> DERM GREASE | <input type="checkbox"/> DERM INDUSTRIAL | <input type="checkbox"/> DERM PAVING & DRAINAGE | <input type="checkbox"/> DERM POLLUTION | <input type="checkbox"/> DERM PRE-TREATMENT        | <input type="checkbox"/> DERM SOLID WASTE                 |
| <input type="checkbox"/> DERM TANKS  | <input type="checkbox"/> DERM TREES      | <input type="checkbox"/> DERM WATER TREATMENT   | <input type="checkbox"/> DERM WETLANDS  | <input type="checkbox"/> PERMIT BY AFFIDAVIT CHECK | <input type="checkbox"/> SHORT TERM EVENT AFFIDAVIT CHECK |
| <input type="checkbox"/> DOH/HRS     |  |   |   |  |   |

**OPTIONAL PLAN REVIEWS (check all that apply)**

- |                               |                               |                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> BLDG | <input type="checkbox"/> ELEC | <input type="checkbox"/> MECH | <input type="checkbox"/> PLUM | <input type="checkbox"/> STRU |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|

**OPR DERM INITIAL REVIEWS (check all that apply)**

- |                                    |   |
|------------------------------------|---|
| <input type="checkbox"/> DERM CORE | <input type="checkbox"/> DERM SPECIALTY <i>(You will be notified after core review is complete for additional fees)</i> |
|------------------------------------|---|

**OPR DERM REWORK (OPR for specialty only available at PIC)**

- |                                |                                     |                                   |  |                               |  |
|--------------------------------|-------------------------------------|-----------------------------------|--|-------------------------------|--|
| <input type="checkbox"/> TREE  | <input type="checkbox"/> GREASE     | <input type="checkbox"/> ASBESTOS | <input type="checkbox"/> COASTAL       | <input type="checkbox"/> AIR  | <input type="checkbox"/> PAVING & DRAINAGE |
| <input type="checkbox"/> TANKS | <input type="checkbox"/> INDUSTRIAL | <input type="checkbox"/> WETLAND  | <input type="checkbox"/> PRE-TREATMENT | <input type="checkbox"/> CORE | <input type="checkbox"/> FLOOD             |

**FOR OFFICE USE ONLY**

*To be completed by Permit and Occupancy Representative or Plans Processing Specialist*

APPLICATION DATE	CLERK NAME	ARRIVAL TIME
PROCESS NUMBER	PROCESS NUMBER	PROCESS NUMBER
<input type="checkbox"/> RE-ISSUE	<input type="checkbox"/> PLAN REVISION	<input type="checkbox"/> REWORK
		<input type="checkbox"/> SHOP DRAWING

# DERM APPROVED

## MIAMI BEACH BUILDING DEPARTMENT

ARCHITECT  
INTERIOR DESIGNER  
LANDSCAPE ARCHITECT

URS | ROBOT | I.D.  
4055 N. COLLIER ROAD, SUITE 300  
MIAMI BEACH, FL 33153  
TEL: 305.246.4857

URS | ROBOT | I.D.  
LIBS FELPE NEIVA SILVEIRA  
OR STARBUCK  
1938 BEACH BLVD, SUITE 110  
MIAMI BEACH, FL 33139

123 N. WATKINS STREET, SUITE 200  
CAPE TOWN 8001, SOUTH AFRICA  
TEL: +27 (0)21 488 4400

STRUCTURAL ENGINEER

TRICE ENGINEERING  
80 N.W. 27 AVENUE  
MIAMI, FL 33125  
TEL: 305.582.0000  
F: 305.582.0000

REGISTERED PROFESSIONAL ENGINEER

CREED & Consulting Engineers, LLC  
800 EAST BROWARD BLVD., SUITE 601  
FORT LAUDERDALE, FL 33301  
TEL: 954.783.2247  
F: 954.783.2247

DTL ENGINEER

OCEAN ENGINEERING INC.  
8101 BECAUNE BLVD, UNITE 508  
MIAMI, FL 33186  
TEL: 305.582.0000  
F: 305.582.0000

REGISTERED PROFESSIONAL ENGINEER

LUX POPULISA, de C.V.  
Atsuga 27, San Angel  
Mexico City 06100, Mexico  
TEL: +52 5555 9105

### GENERAL NOTES AND SPECIFICATIONS

- I. APPLICABLE CODES
  1. ALL WORK AND MATERIALS SHALL CONFORM TO CURRENT CITY OF MIAMI BEACH AND MIAMI-DADE COUNTY STANDARDS AS WELL AS ALL LOCAL, STATE, AND NATIONAL CODES AND REGULATORY REQUIREMENTS, AS APPLICABLE.
  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
  3. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER SITE FEATURES SHOWN ON THE DRAWINGS WERE OBTAINED FROM A SURVEY BY OTHERS.
  4. EXISTING UTILITIES TO BE ADJUSTED IN ACCORDANCE WITH PROPOSED GRADES AND REQUIREMENTS OF UTILITY OWNERS, AS REQUIRED.
  5. EXISTING STRUCTURES, UTILITIES AND OTHER IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDING SEWERS, DRAINS, WATER OR GAS PIPES, CONDUITS, POLES, WALLS, COLUMNS, ETC., WHETHER OR NOT SHOWN ON THE PLANS, ARE TO BE CAREFULLY PROTECTED FROM DAMAGE. IF DAMAGE OCCURS FROM WORK PERFORMED UNDER THIS CONTRACT, THE CONTRACTOR SHALL PROMPTLY REPAIR THE DAMAGED ITEM(S) TO THE CONDITION OF THE ITEM(S) PRIOR TO THE DAMAGE. THIS WORK SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
  6. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
  7. CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, PARKING METERS, BENCHES, TRAFFIC CONTROL SIGNS, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE COUNTY YARD.
  8. THE CONTRACTOR SHALL COORDINATE HIS/HERS WORK WITH ANY OTHER UTILITY AND BUILDING TRADES WORKING ON THIS OR ADJACENT PROJECT.
  9. ALL DITCH EXCAVATION SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE FLORIDA TRENCH SAFETY ACT.
  10. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- II. PRECONSTRUCTION RESPONSIBILITIES
  1. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
  2. 48 HOURS BEFORE BEGINNING CONSTRUCTION IN THE AREA, THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE CALL ONE OF FLORIDA, INC. AT 1-800-432-4770 AND ANY OTHER UTILITIES WHICH MIGHT BE AFFECTED.
  3. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER, AND THE ENGINEER OF RECORD.
  4. THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL PERMITS AND LICENSES, PAY ALL CHARGES, TAXES, ROYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT. (WITH THE EXCEPTION OF DRAINAGE AND WATER & SEWER APPROVALS FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND FDOT WHICH WILL BE OBTAINED BY THE ENGINEER OF RECORD.)
  5. THE CONTRACTORS SHALL COORDINATE WITH UTILITY COMPANIES TO ARRANGE FOR ANY REMOVAL, RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK, IF APPLICABLE.
  6. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXISTING UTILITIES TO BE CONNECTED SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW REVISION BY THE ENGINEER IF SUCH UTILITIES ARE FOUND TO BE DIFFERENT THAN THOSE SHOWN ON PLANS.
- III. INSPECTION AND TESTING
 

THE ENGINEER SHALL REQUIRE A COLOR T.V. SURVEY AND SHALL REQUIRE AN EXFILTRATION/INFILTRATION TEST PRIOR TO ACCEPTANCE. THE SURVEY AND TESTING SHALL BE AT THE CONTRACTOR'S EXPENSE.

INSPECTIONS:  
THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:

  - 1.) STORM DRAINAGE
  - 2.) SANITARY SEWER
  - 3.) WATER SYSTEM SUBGRADE - SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK.
  - 4.) LIMEROCK BASE - SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
  - 5.) ASPHALTIC CONCRETE
  - 6.) FINAL WALK-THROUGH INSPECTION
  - 7.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL APPLICABLE REGULATORY AGENCIES FOR INSPECTION REQUIREMENTS.
- IV. SHOP DRAWINGS
  1. PRIOR TO CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: WATER/SEWER MAIN PIPING AND ASSOCIATED FITTINGS, CATCH BASINS AND ALL OTHER DRAINAGE STRUCTURES, DRAINAGE PIPE, BALLAST ROCK, EXFILTRATION TRENCH FILTER FABRIC. IN ADDITION, SOME CITIES, COUNTIES, STATE AND/OR NATIONAL REGULATORY AGENCIES REQUIRE THEIR OWN INDIVIDUAL REVIEW AND APPROVAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY SHOP DRAWING APPROVALS IF REQUIRED.
- V. TEMPORARY FACILITIES
  1. TEMPORARY FACILITIES
    - A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY, DURING CONSTRUCTION.
    - B. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS ENTRANCE TO COMMERCIAL PROPERTIES AT ALL TIMES, IF APPLICABLE.

- C. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION, IF APPLICABLE.
2. TRAFFIC REGULATION
  - A. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS AND FLAG PERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC WITHIN PUBLIC RIGHT-OF-WAYS IN ACCORDANCE WITH M.U.T.C.D. AND FDOT.
  - B. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
  - C. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT THE EXPRESS PERMISSION OF THE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT.
- VI. PROJECT CLOSE OUT:
  1. CLEANING UP
    - A. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEANUP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.
    - B. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK, EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
    - C. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.
    - D. WHERE MATERIAL OR DEBRIS HAVE WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
    - E. ALL DISPOSAL OF EXCESS AND UNSUITABLE EXCAVATED MATERIAL, DEMOLITION, VEGETATION, RUBBISH AND DEBRIS SHALL BE MADE OUTSIDE THE LIMITS OF CONSTRUCTION AT A LEGAL DISPOSAL SITE PROVIDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, WITH THE PRIOR APPROVAL OF THE ENGINEER. MATERIAL CLEARED FROM THE SITE SHALL NOT BE DEPOSITED ON ADJACENT AND/OR NEARBY PROPERTY.
  2. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
  3. PROJECT RECORD DOCUMENTS
    - A. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
    - B. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AS-BUILT GRADES AND LOCATIONS OF FINISHED PAVEMENT, SIDEWALKS, CURBS, AND ALL PHYSICAL IMPROVEMENTS. SUCH GRADES SHALL BE OBTAINED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF FLORIDA, AND SHALL DOCUMENT THE INTENT OF THE PROPOSED GRADES SHOWN ON THE PLANS. THIS SHALL BE DONE AT NO COST TO THE OWNER.
  4. CONTRACTOR TO REPLACE ALL FOUND PIPES WITH NAIL AND DISKS.
- VII. STORM DRAINAGE
 

GENERAL

  1. THE TRENCH FILTER FABRIC SHALL BE SELECTED FROM THE MANUFACTURERS AND FABRIC TYPES APPROVED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT. IT SHALL BE USED TO WRAP ALL SIDES, BOTTOM AND TOP OF THE EXFILTRATION TRENCH. THE TOP SECTION OF THE MATERIAL SHALL BE LAPPED A MINIMUM OF 12 INCHES AND THE CONTRACTOR SHALL TAKE EXTREME CARE IN BACKFILLING TO AVOID BUNCHING OF THE FABRIC.
  2. SOLID AND PERFORATED STORM DRAINAGE PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE (H.D.P.E.) SELECTED FROM THE MANUFACTURERS AND TYPES APPROVED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT. PERFORATED PIPE SHALL TERMINATE 4'-0" FROM THE DRAINAGE STRUCTURE. THE REMAINING 4'-0" SHALL BE NON-PERFORATED PIPE.
  3. PROVIDE A MINIMUM PROTECTIVE COVER OF 24 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.
  4. THE CONTRACTOR SHALL PROTECT COMPLETED DRAINAGE STRUCTURES AND EXFILTRATION TRENCH SYSTEMS FROM CONTAMINATION OF SILT AND CONSTRUCTION DEBRIS. PLACE PLYWOOD OR FILTER FABRIC BETWEEN THE FRAME AND INLET GRATE UNTIL CONSTRUCTION OPERATIONS ARE FINISHED.

- VI. PAVING
  1. GENERAL
    - A. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIMEROCK BASE.
    - B. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.
    - C. WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE SAW CUT.
    - D. PROPOSED ASPHALT PAVEMENT SHALL BE CONNECTED TO EXISTING ASPHALT ON NEW SIDEWALK OR NEW PAVEMENT.
    - E. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING CONC. CURB, CURB & GUTTER, SIDEWALK AND ASPHALT WHERE NEW SIDEWALK, CURB & GUTTER AND MEDIAN IS PROPOSED TO BE CONSTRUCTED.
    - F. NONE OF THE EXISTING LIMEROCK BASE THAT IS REMOVED IS TO BE RECONSTRUCTED INTO THE PROPOSED LIMEROCK BASE.
    - G. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY, CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT INSPECTOR OR THE GEOTECHNICAL ENGINEER.
- VIII. PAVEMENT MARKINGS AND TRAFFIC SIGNS
  1. PAVEMENT MARKINGS
    - A. INSTALLATION OF ALL PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH FDOT STANDARDS.
    - B. MATERIALS: (1) WHERE THE PLANS CALL FOR PAINTED PAVEMENT MARKINGS (P), INSTALLATION AND MATERIALS SHALL MEET ALL REQUIREMENTS OF SECTION 710 OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. (2) WHERE THE PLANS CALL FOR THERMOPLASTIC PAVEMENT MARKINGS (T), INSTALLATION AND MATERIALS SHALL MEET ALL REQUIREMENTS OF SECTION 710 OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
    - C. PROTECTION: THE CONTRACTOR SHALL NOT ALLOW TRAFFIC ONTO NEWLY APPLIED PAVEMENT STRIPING/MARKINGS UNTIL THEY ARE SUFFICIENTLY DRY TO PERMIT VEHICLES TO CROSS THEM WITHOUT DAMAGE. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REMOVE AND REPLACE ANY PORTION OF THE PAVEMENT STRIPING/MARKINGS DAMAGED BY PASSING TRAFFIC OR FROM ANY OTHER CAUSE.
  2. TRAFFIC SIGNS
    - A. INSTALLATION: TRAFFIC SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), PART II, IN LOCATIONS SHOWN ON PLANS.
    - B. MATERIALS: FOLLOW SECTION NO. 700, HIGHWAY SIGNING, OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND M.U.T.C.D.

**MIAMI-DADE COUNTY** **DERM - Water Control Section**

<b>Item</b>	Dates: 01/27/2022		Phase I
	Approv.	Ck'd	See ltr. of
<b>Provisions for Water Control:</b>	Phase I	Mayra De Torres	DW-20210116

**Notes:** Approved plans for one (1) drainage well to be use as storm drainage only. FDEP Class Drainage Well Permit is required.

**Signed:** *Mayra De Torres*  
Engineer

The form has been digitally signed and sealed by **Walter M. Lugo, P.E.** on (date adjacent to the seal).  
Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

28 STAR ISLAND  
MIAMI BEACH, FLORIDA 33139

REVISIONS

No.	Description



2009  
REVISED  
July 02, 2021

GENERAL NOTES AND SPECIFICATIONS  
**C100**

**Sunshine**

Call 888 or visit [www.sunshineRF.com](http://www.sunshineRF.com) two full business days before digging to have located facilities located and marked.  
Check positive re-locator codes before you dig!

**OCEAN ENGINEERING**

CIVIL ENGINEERING CONSULTANTS

10000 BAYVIEW BLVD., SUITE 1000  
MIAMI BEACH, FL 33154  
TEL: 305.440.0000



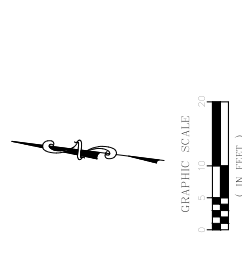
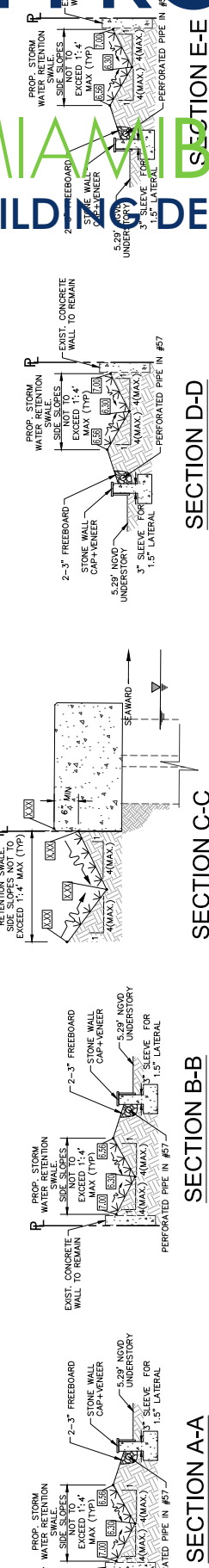
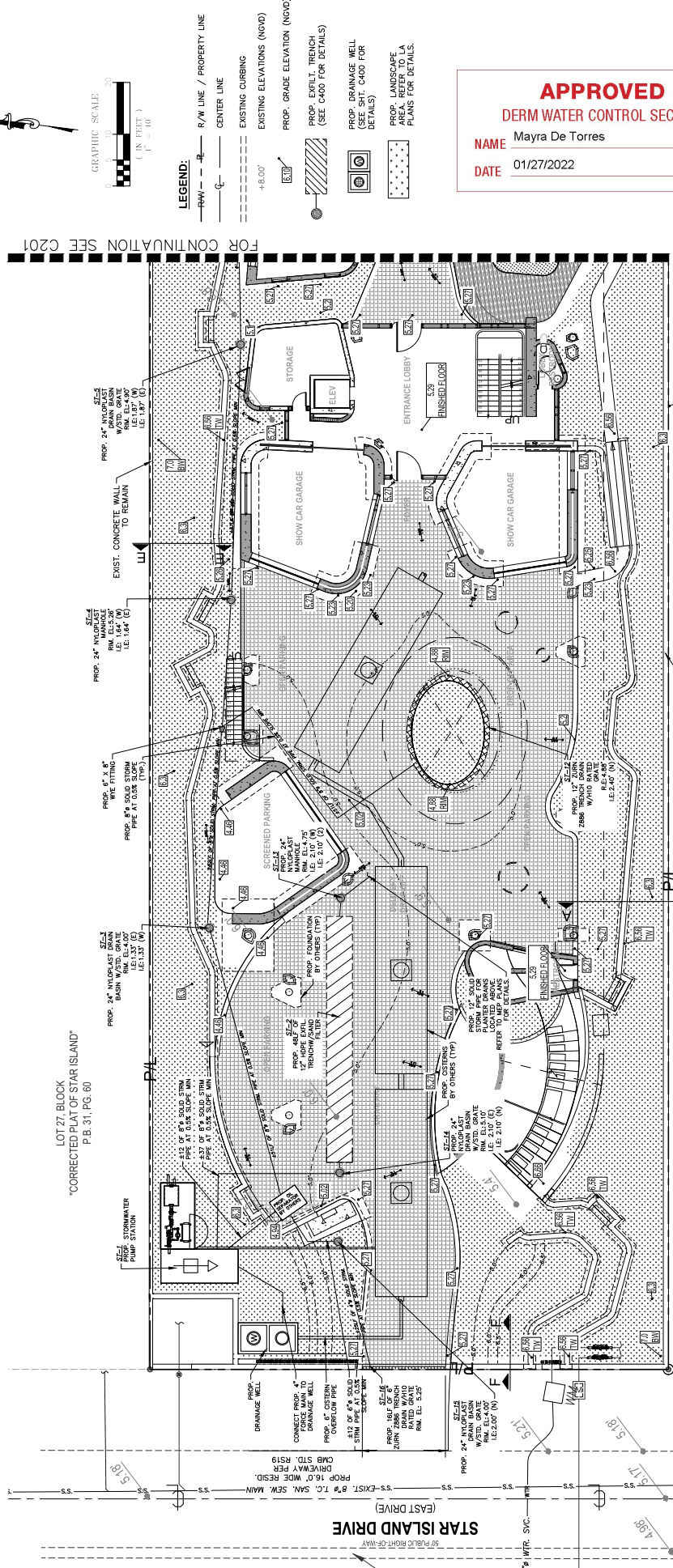
28 STAR ISLAND  
MIAMI BEACH, FLORIDA 33139

**APPROVED**  
DERM WATER CONTROL SECTION

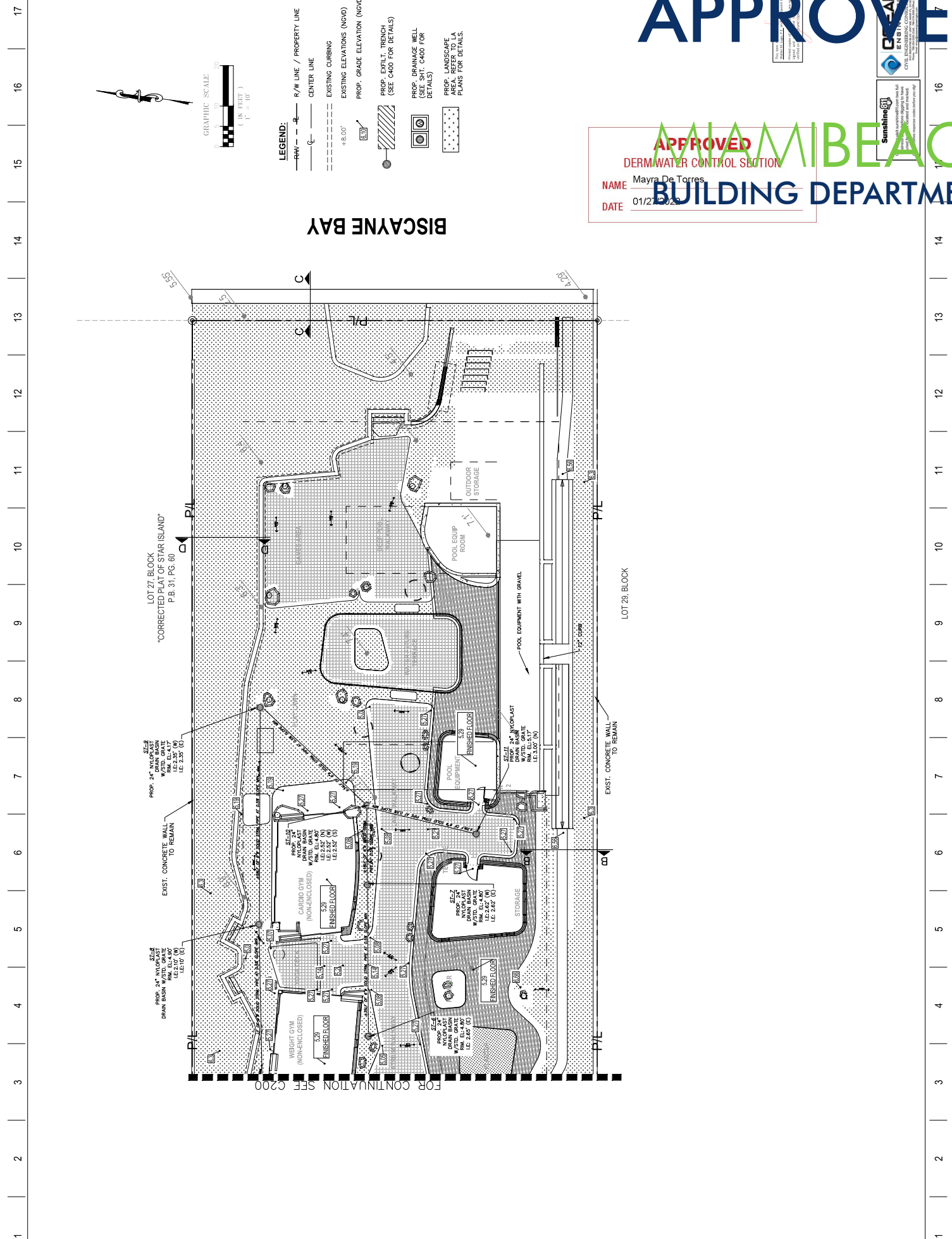
NAME Mayra De Torres  
DATE 01/27/2022

**MIAMI BEACH**  
**BUILDING DEPARTMENT**

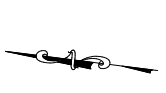
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SECTION D-D N.T.S.  
SECTION C-C N.T.S.  
SECTION B-B N.T.S.  
SECTION A-A N.T.S.



FOR CONTINUATION SEE C201



BISCAYNE BAY



- LEGEND:**
- R/W LINE / PROPERTY LINE
  - CENTER LINE
  - EXISTING CURBING
  - EXISTING ELEVATIONS (NGVD)
  - PROP. GRADE ELEVATION (NGVD)
  - PROP. EXFILT. TRENCH (SEE SHT. C400 FOR DETAILS)
  - PROP. DRAINAGE WELL (SEE SHT. C400 FOR DETAILS)
  - PROP. LANDSCAPE AREA. REFER TO LANDSCAPE PLANS FOR DETAILS.

**APPROVED**

**MIAMI BEACH BUILDING DEPARTMENT**

APPROVED  
 DERM WATER CONTROL SECTION

NAME: Mayra De Torres  
 DATE: 01/27/2022

**DERM**

28 STAR ISLAND  
 MIAMI BEACH, FLORIDA 33139

DESIGNED BY: INTERIUS DESIGNER  
 LANDSCAPE ARCHITECT

OWNER: URBAN ROBERT LLC  
 MIAMI BEACH, FL 33139

DESIGNED BY: LUIS FERRE NUNO SALVIERA  
 MIAMI BEACH, FL 33139

DESIGNED BY: CAPRI TORRES, SOUTH AFRICA

DESIGNED BY: STRUCTURAL ENGINEER

DESIGNED BY: WISE ENGINEERING  
 MIAMI BEACH, FL 33139

DESIGNED BY: REP ENGINEER  
 MIAMI BEACH, FL 33139

DESIGNED BY: WEST BROWARD COUNTY  
 WEST BROWARD COUNTY, FL 33411

DESIGNED BY: OCEAN ENGINEERING INC.  
 MIAMI BEACH, FL 33139

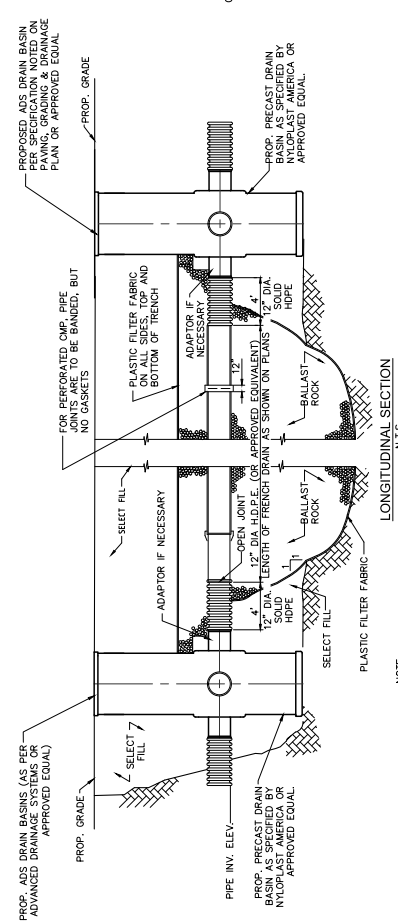
DESIGNED BY: LUXORPOMALEA, INC.  
 MIAMI BEACH, FL 33139

DESIGNED BY: WALTER HILGERT P.E.  
 MIAMI BEACH, FL 33139

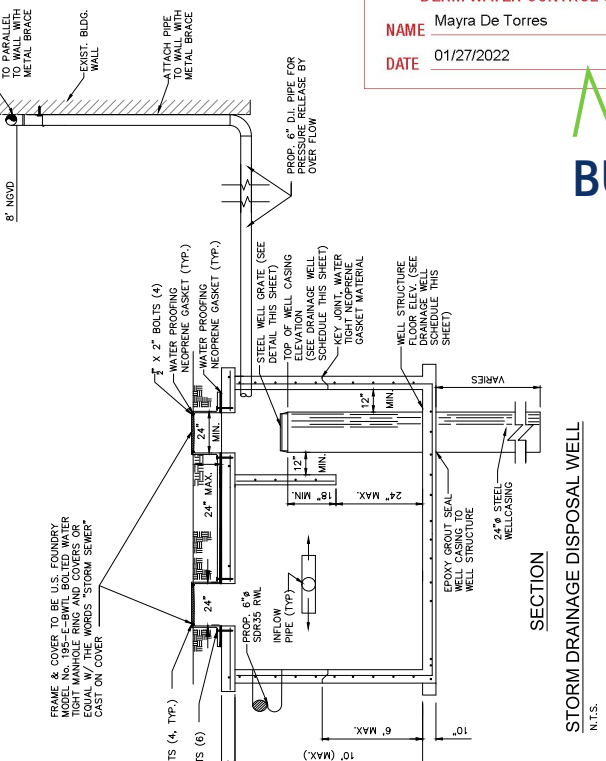
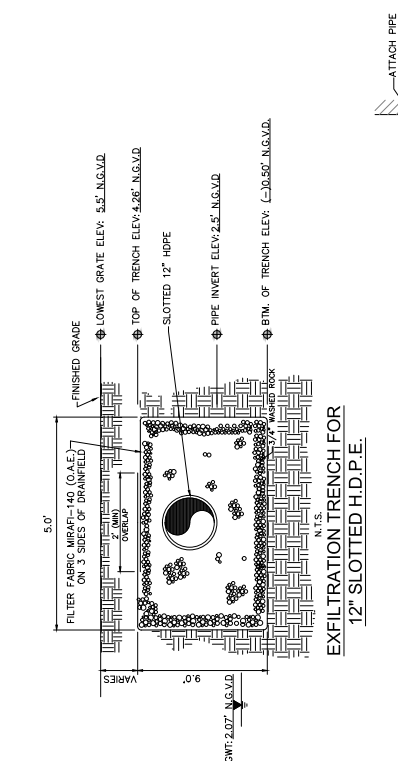
DESIGNED BY: SUNSHINE CIVIL ENGINEERING CONSULTANTS  
 MIAMI BEACH, FL 33139

DESIGNED BY: PAVING, GRADING AND DRAINAGE PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



**TYPICAL CATCH BASIN AND INFILTRATION TRENCH DETAIL**  
 N.T.S.



**SECTION**  
**STORM DRAINAGE DISPOSAL WELL**  
 N.T.S.

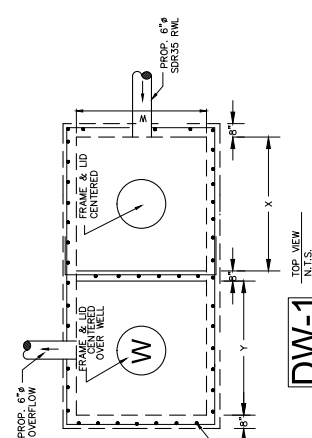
**APPROVED**  
**DERM WATER CONTROL SECTION**  
 NAME: Mayra De Torres  
 DATE: 01/27/2022

**APPROVED**  
**MIAMI BEACH**  
**BUILDING DEPARTMENT**

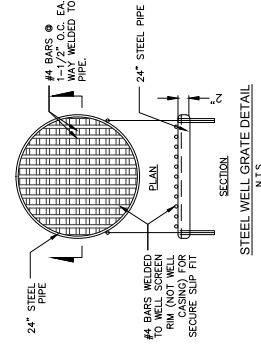
- NOTES FOR DRAINAGE WELL:**
- INJECTION WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDEP CHAPTER 62.528 UNDERGROUND INJECTION CONTROL PROGRAM RULES, AND MUST PROVIDE THE OPTIMUM PROTECTION OF THE UNDERGROUND WATER RESOURCES. THE WELL SHALL BE INSTALLED IN AN UNCONFINED AQUIFER AS NON-POTABLE WATER UNCONFINED AQUIFER WITH A DISSOLVED SOLID CONTENT EQUAL TO OR GREATER THAN 10,000 MG/L.
  - BOTTOM OF WELL CASING SHALL BE PLACED NO SHALLOWER THAN THE 10,000 MG/L INTERFACE. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD IF THE FIELD CONDITIONS LOCALS. THE BOTTOM OF WELL INTERFACE TO BE SHALLOWER OF DEEPER THAN THE 10,000 MG/L INTERFACE. THE WELL SHALL BE PLACED TO PROVIDE THE OPTIMUM FLOW THROUGH THE AQUIFER.
  - UPON COMPLETION OF THE INSTALLATION OF THE FIRST INJECTION WELL, THE CONTRACTOR SHALL PERFORM A RECHARGE CAPACITY FLOW TEST AND PROVIDE THE RESULTS OF SUCH FLOW TEST TO THE ENGINEER OF RECORD. THE RECHARGE CAPACITY FLOW TEST SHALL BE PERFORMED IN THE FIELD CONDITIONS. THE RECHARGE CAPACITY FLOW TEST SHALL BE PERFORMED AT A POINT WHERE THE RESULTS OF THE TEST WILL BE USED TO DETERMINE THE PLAN OF ACTION TO REMEDY THE DEFICIENT CAPACITY.
  - STEEL WELL GRATE TO BE INSTALLED OVER 24" DEEP WELL STEEL GRATE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. COST TO BE INCLUDED IN THE PRICE OF CASING.

**DRAINAGE WELL SCHEDULE**

STRUCT. NO.	FRAME & LID	W	X	Y	W	E	S	N	OVERFLOW	M.H. RIM ELEVATION	WELL CASING ELEVATION	STRUCTURE FLOOR ELEVATION	REMARKS
DW-1	USF E-BWTL	5.0'	5.0'	5.0'	3.20' (6")	6.00'	3.00'	-0.5'					

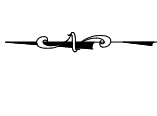


**DW-1**  
 TOP VIEW  
 N.T.S.



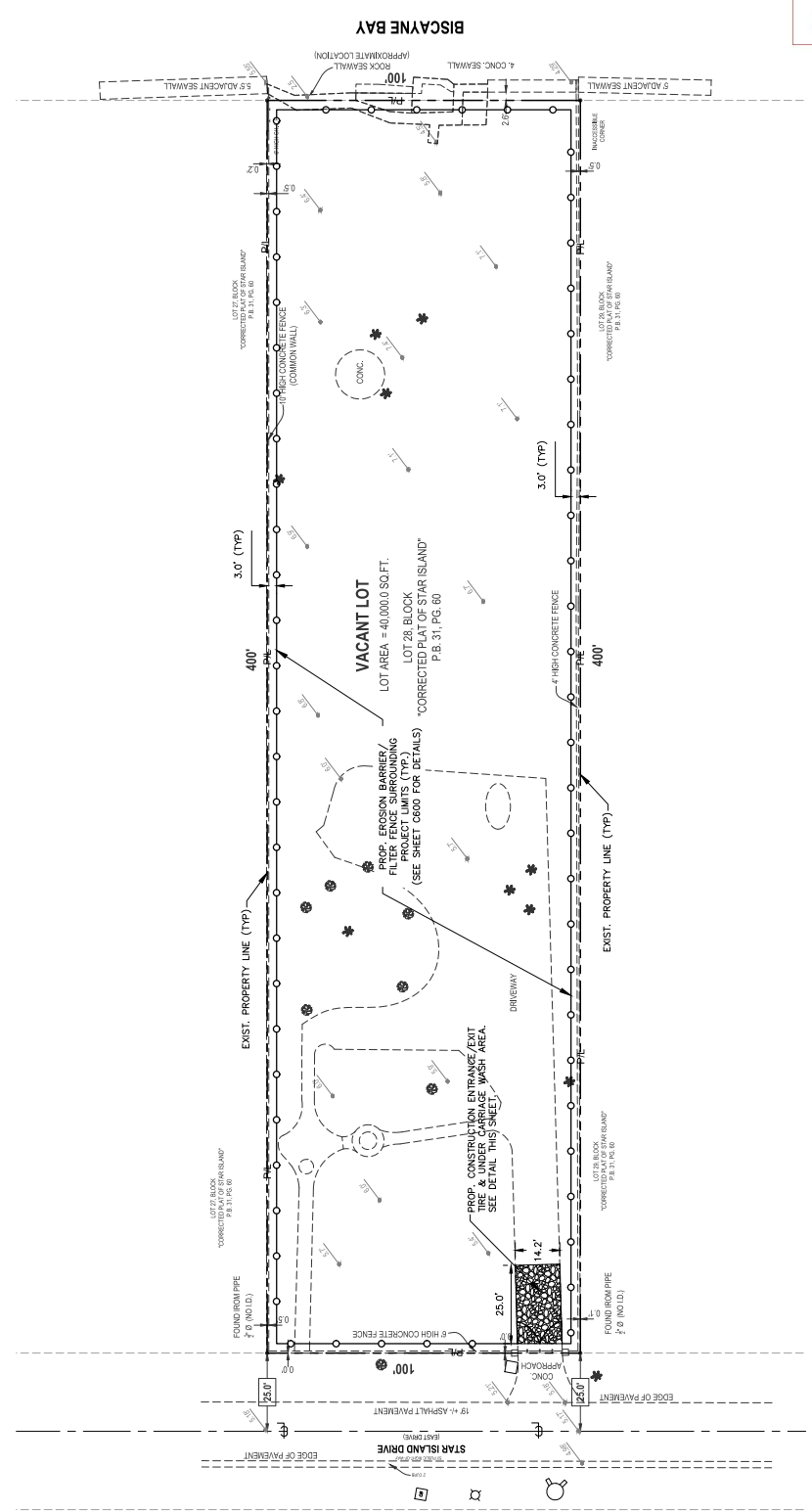
**STEEL WELL GRATE DETAIL**  
 N.T.S.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



LEGEND:  
 --- R/W LINE / PROPERTY LINE  
 --- CENTER LINE  
 - - - EXISTING CURBINGS  
 --- EXISTING ELEVATIONS (NGVD)  
 --- EXISTING ELEVATIONS (NGVD)  
 --- PROP. EROSION BARRIER PER OMB  
 --- DETAIL SES13 (SEE CIVIL SHIT. 0600 FOR DETAILS)

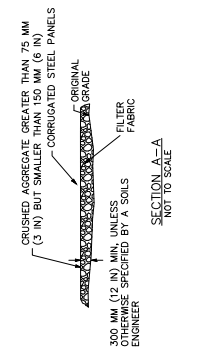
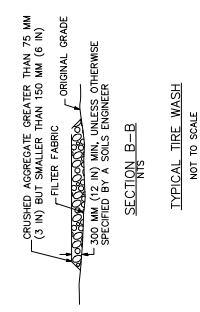
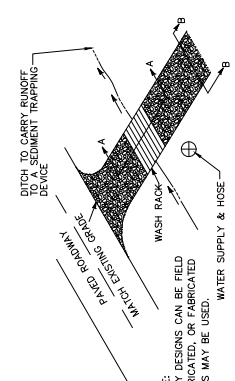
NOTES:  
 1. CONTRACTOR SHALL INSTALL GEOTEXTILE FABRIC  
 IN EACH CATCH BASIN, FLOOR DRAIN OR TRENCH  
 DRAINS IN THE EFFORTS TO PROTECT THE PROPOSED  
 2. CONSTRUCTION OF EROSION BARRIER SHALL BE  
 IN ACCORDANCE TO RFP MODES PERMIT  
 AND SEDIMENTATION. EROSION CONTROL SYSTEM SHALL BE  
 INSPECTED DAILY AND REPLACED AS NEEDED.



**APPROVED**  
 DERM WATER CONTROL SECTION  
 NAME: Mayra D...  
 DATE: 01/27/2022

# APPROVED

## MIAMI BEACH BUILDING DEPARTMENT



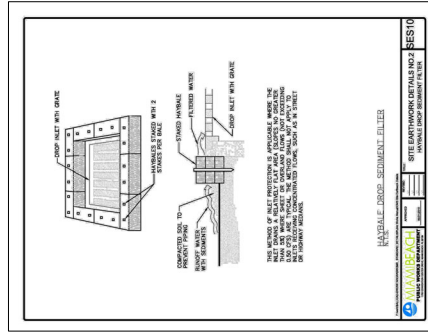
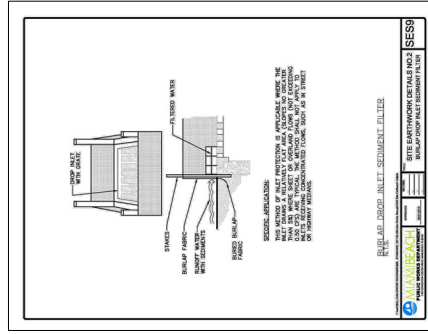
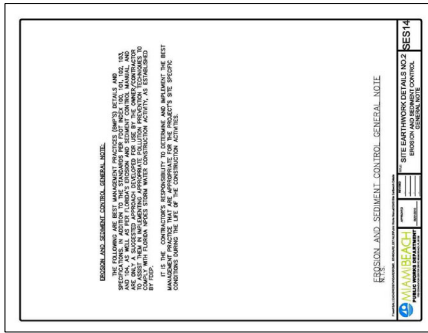
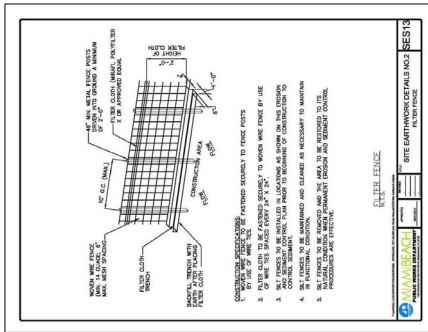
28 STAR ISLAND  
 MIAMI BEACH, FLORIDA 33139

**APPROVED**  
 SUNSHINE STATE  
 CIVIL ENGINEERING CONTROL PLAN  
 PERMIT NO. 22-0000000-001  
 DATE: 01/27/2022

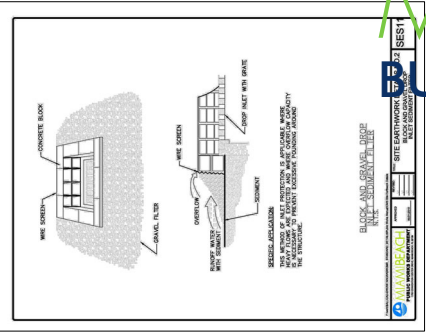
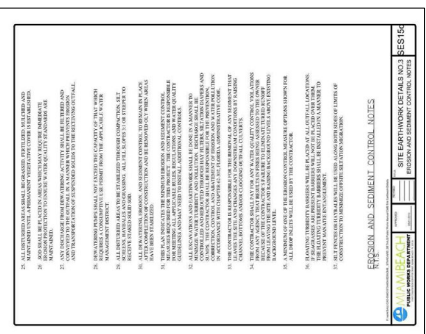
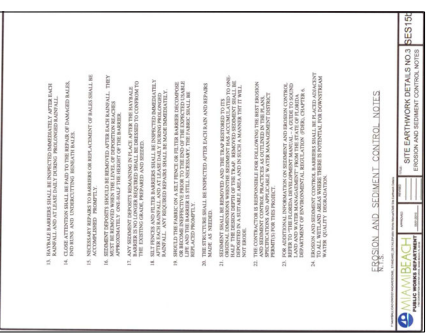
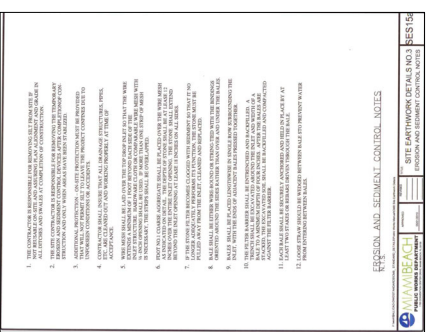
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

K J I H G F E D C B A



**APPROVED**  
**DERM WATER CONTROL SECTION**  
NAME Mayra De Torres  
DATE 01/27/2022



DESIGNER  
**MORRIS ENGINEERING**  
INTERIOR DESIGNER  
LANDSCAPE ARCHITECT  
10000 N.W. 16th St.  
Miami Beach, FL 33139  
Tel: 305.456.5551

CLIENT  
URBAN NORTH LLC  
800  
MIAMI BEACH, FL 33139  
Tel: 305.456.5551

OWNER  
LUSITANE NEMA SALVURA  
MIAMI BEACH, FL 33139

CONTRACTOR  
**MORRIS ENGINEERING**  
28 STAR ISLAND  
MIAMI BEACH, FL 33139  
Tel: 305.456.5551

**28 STAR ISLAND**  
MIAMI BEACH, FLORIDA 33139

ARCHITECT  
**LUX POPART S.A. & C.V.**  
MIAMI BEACH, FL 33139  
Tel: 305.456.5551

ENGINEER  
**MORRIS ENGINEERING**  
28 STAR ISLAND  
MIAMI BEACH, FL 33139  
Tel: 305.456.5551

**DERM**  
SEAL

**DERM**  
SEAL

**APPROVED**  
**MIAMI BEACH**  
BUILDING DEPARTMENT

**SESS 1**  
**SESS 2**  
**SESS 3**  
**SESS 4**  
**SESS 5**  
**SESS 6**  
**SESS 7**  
**SESS 8**  
**SESS 9**  
**SESS 10**  
**SESS 11**  
**SESS 12**  
**SESS 13**  
**SESS 14**  
**SESS 15**  
**SESS 16**  
**SESS 17**

**SunshineFL**  
CIVIL ENGINEERING CONTROL NOTES  
10000 N.W. 16th St.  
Miami Beach, FL 33139  
Tel: 305.456.5551

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# DERM

# APPROVED

Miami-Dade County  
Department of Regulatory and Economic Resources  
701 NW 1st Ct  
Miami, FL 33130  
305-372-6789

## Receipt

# MIAMIBEACH

## BUILDING DEPARTMENT

Receipt Date: 01/25/2022

Receipt Number: 20220125083808958764

Receipt Notes: DW-20210116

Register: CR2

Customer Name: ONLINE LUIS FELIPE NEIVA SILVEIRA

Reference Number	Item Description	Amount
20220125083812053989	Drainage Well[PERWCPRDRAIN][OTHER] [ - ]	\$210.00
20220125083835104438	RER Surcharge[PERSURCHGPL][OTHER] [ - ]	\$15.75
20220125083859679661	Journal Entry Payment [JE X2022053890]	(\$225.75)
<b>Total Due</b>		<b>\$0.00</b>