



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32232-0019

June 22, 2021

Regulatory Division
South Permits Branch
Miami Permits Section
SAJ-2021-00653 (NW/GP-LOB)

Elaine R. Levine Living Trust
3333 Garden Avenue
Miami Beach, FL 33140
Sent via email: AWL@levinelawfirm.com

To Whom It May Concern:

The U.S. Army Corps of Engineers (Corps) has completed the review of your application for a Department of the Army permit, which the Corps received on 24 February 2021. Your application was assigned file number SAJ-2021-00653. A review of the information and drawings provided indicates that the proposed work would result in the following components: remove 38.7-linear feet of existing concrete bag footer; remove existing marginal wood dock, remove (3) existing wood mooring piles; install new 693.5-square-foot marginal wood dock supported by (8) new 12-inch diameter wood dock piles; install (3) new 12-inch diameter wood mooring piles (3-square-feet); install new 4-feet long aluminum sheet piling toe-wall footer across 80.42-linear-feet (321-68-square-feet); install new concrete seawall cap installed atop existing seawall across 159.67-linear-feet (424.72-square-feet); and install (33) new 12-inch x 12-inch concrete batter piles (33-square-feet). Turbidity curtains will be present during all stages of work. The project is located at Biscayne Bay at 3333 Garden Avenue in Section 37, Township 53 South, Range 42 East, in Miami Beach, Florida 33140 (Folio # 03-3227-015-0080) (Latitude: 25.809620°; Longitude: -80.135063°).

The aspect of your project involving installation of riprap as depicted on the attached drawings, is authorized by Nationwide Permit 3 (NWP-3), Maintenance, which became effective on March 19, 2017 (82 FR 1860, January 6, 2017). **This verification is valid until March 18, 2022.** In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the Nationwide Permit General Conditions, the Jacksonville District Regional Conditions, and the General and Project-Specific Special Conditions listed below. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP. Alternatively, you can access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Source Book web page for links to view Nationwide Permit information at: <https://www.saj.usace.army.mil/Missions/Regulatory/Source->

[Book/](#) . Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there you will need to select “Source Book”; and, then select “Nationwide Permits.” These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this NWP verification.

The aspect of your project involving installation of dock and boatlifts, as depicted on the attached drawings, is authorized by Regional General Permit (RGP) SAJ-20 and its subsequent modifications, if applicable. **This RGP authorization is valid until 27 March 2023.** Please access the Corps' Jacksonville District Regulatory Division Source Book webpage to view the special and general conditions for SAJ-20, which apply specifically to this authorization. The Internet URL address is: <http://www.saj.usace.army.mil/Missions/Regulatory.aspx>. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Once there select “Source Book”; and, then select “General Permits.” Then you will need to select the specific SAJ permit noted above.

You must comply with ALL the NWP and RGP general, special, and/or regional Conditions, attached and/or incorporated by reference, and the Project Specific Special Conditions and General Conditions, listed below, or you may be subject to enforcement action.

Project Specific Special Conditions:

The following project specific special conditions are included with this verification:

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:
 - a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).
 - b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, **SAJ-2021-00653** (NW/GP-LOB), on all submittals.

2. **Self-Certification:** Within 60 days of completion of the work authorized by this permit, the Permittee shall complete the attached “Self-Certification Statement of Compliance” form (Attached) and submit it to the Corps. In the event that the

completed work deviates in any manner from the authorized work, the Permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.

3. **Commencement Notice:** Within 10 days from the date of initiating the work authorized by this permit the Permittee shall submit a completed "Commencement Notification" Form (Attached).
4. **Assurance Of Navigation And Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
5. **Manatee Conditions:** The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" (Attached).
6. **Turbidity Barriers:** Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all suspended and erodible materials have been stabilized. Turbidity barriers shall be removed upon stabilization of the work area.
7. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.
8. **Agency Changes/Approvals:** Should any other agency require and/or approve changes to the work authorized or obligated by this permit, the Permittee is advised a re-verification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a re-verification of this permit from the Miami Permits Section. The Corps reserves

the right to fully evaluate, amend, and approve or deny the request for re-verification of this permit.

9. Historic Properties:

a. No structure or work shall adversely affect impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.

b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Corps within the same business day (8 hours). The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition ; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall

not resume without written authorization from the State Archeologist and from the Corps.

10. **Project Drawings:** The project must be completed in accordance with the enclosed construction drawings (pages 1-9), date-stamped by the U.S. Army Corps of Engineers (Corps) on 21 June 2021, and the general and special conditions which are incorporated in, and made a part of, the permit.
11. **Jacksonville District Programmatic Biological Opinion (JAXBO), November 2017, Project Design Criteria (PDCs):** Structures authorized under this permit must comply with all applicable PDCs, based on the permitted activity, as required by JAXBO. Please note that failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take, and noncompliance with this permit. The NMFS is the appropriate authority to enforce the terms and conditions of JAXBO. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division internet webpage in the Endangered Species section of the Sourcebook located at:
<http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>

Note - JAXBO may be subject to revision at any time. The most recent version of these conditions must be utilized during the design and construction of the permitted work. In accordance with the Endangered Species Act, and for those projects which do not comply with JAXBO, the Corps will seek individual consultation with the NMFS.

Note - some authorized activities may deviate from the PDCs. In cases, where the activity (i.e., structure dimensions, length, etc.) deviates from the PDCs, the permit drawings shall supersede the PDCs.

For each of the following authorized activities subject of this permit, the permittee shall adhere to the following PDCs, which are attached to, and made part of, this authorization/verification letter:

Activity 1 - Shoreline Stabilization: (AP.1-14; A1.1-12; S.1; S.2; S.4)

Activity 2 - Pile-supported Structures and Anchored Buoys: (AP.1-14; A2.1-16; S.1; S.2; S.4)

12. **PROTECTED SPECIES CONSTRUCTION CONDITIONS:** The Permittee agrees to abide by the enclosed standard construction conditions designed to protect species under the jurisdiction of NOAA Fisheries Southeast Regional Office (SERO) Protected Resources Division (PRD).

https://media.fisheries.noaa.gov/202106/Protected_Species_Construction_Conditions_1.pdf

General Conditions (33 CFR PART 320-330):

1. The time limit for NW completing the work authorized ends on **March 18, 2022.**
The time limit for NW completing the work authorized ends on **27 March 2023.**
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner on the transfer form attached to this letter and forward a copy to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

This letter of authorization does not preclude the necessity to obtain any other Federal, State, or local permits, which may be required.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. Please be aware this Internet address is case sensitive; and, you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Should you have any questions related to this verification letter or have issues accessing the documents reference in this letter, please contact Luis O. Betancourt at the letterhead address above, via telephone at (305) 779-6051, or via e-mail at luis.o.betancourt@usace.army.mil.

Sincerely,

Luis O. Betancourt
Project Manager

Enclosures
General Conditions
Self-Certification Statement of Compliance
Permit Transfer Request
Site Plans dated by the Corps on 21 June 2021
FWS Standard Manatee Conditions for In-Water Work (2011)
JaxBO PDCs for Activity 1 and Activity 2
Protected Species Construction Conditions

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: SAJ-2021-00653 (NW/GP-LOB)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019 or submit via electronic mail to: SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

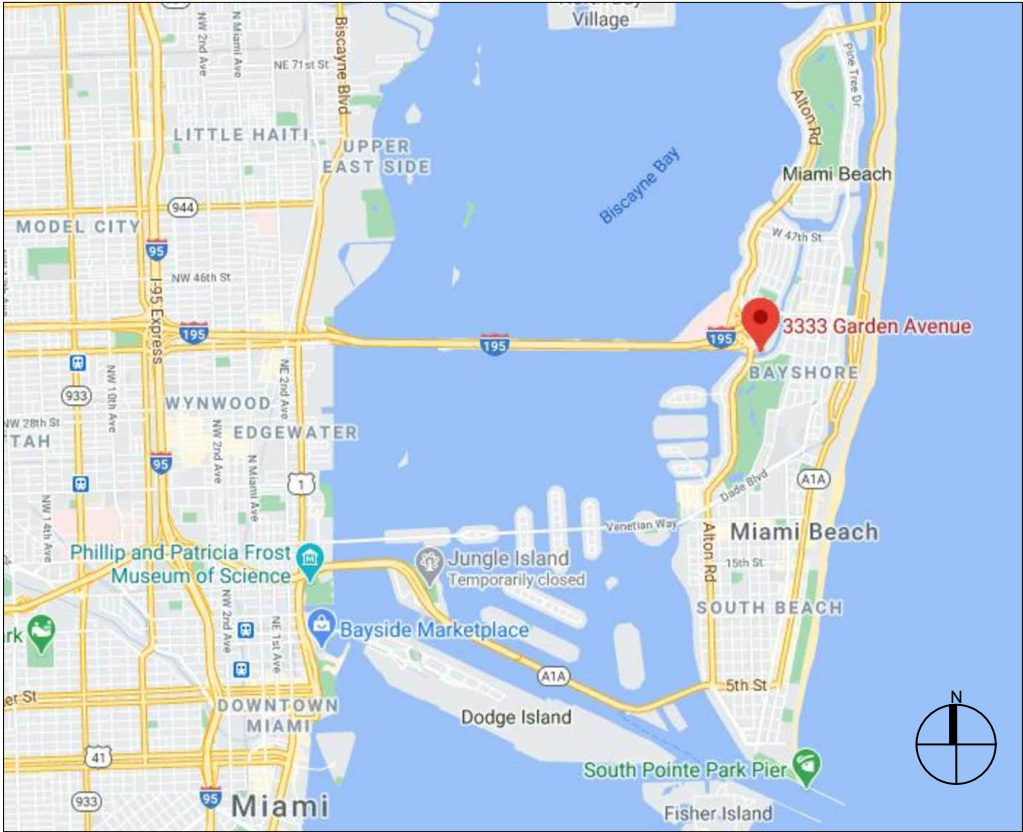
(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)



PROJECT SITE

LOCATION MAP AND LEGAL DESCRIPTION



PROJECT SITE LOCATION:

3333 Garden Ave
Miami Beach, FL 33140

LATITUDE: 25°48'34.96"N
LONGITUDE: 80° 8' 6.26"W

FOLIO No.: 02-3227-015-0080

LEGAL DESCRIPTION:

GARDEN SUB AMD SUB PB 31-9
LOTS 1 & 2 BLK 2
LOT SIZE 139.700 X 158

GENERAL NOTES:

- ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
- 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. CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS IN CONNECTION WITH THEIR 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 OF THESE PERMITS.
- APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 2020 EDITION (AND CURRENT ADDENDUMS).
- APPROVED CONTRACTOR TO DETERMINE THE SUITABILITY OF EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS. THE APPROVED CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCES AND PROCEDURES OF WORK.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS.
- CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK.
- CONTRACTOR TO PROPERLY FENCE AND SECURE AREA WITH BARRICADES.
- ANY DEVIATION AND/OR SUBSTITUTION FROM THE INFORMATION PROVIDED HEREIN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- ALL NEW MATERIALS AND/OR PATCHWORK SHALL BE PROVIDED TO MATCH EXISTING MATERIALS AND/OR ADJOINING WORK WHERE PRACTICAL EXCEPT AS SPECIFICALLY NOTED HEREIN.
- LICENSED CONTRACTOR SHALL USE ALL POSSIBLE CARE TO PROTECT ALL EXISTING MATERIALS, SURFACES, AND FURNISHINGS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
- THE LICENSED CONTRACTOR TO INSTALL AND REMOVE ALL SHORING AND BRACING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
- ALL NEW WORK AND/OR MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF EACH ADMINISTRATIVE BODY HAVING JURISDICTION IN EACH PERTAINING CIRCUMSTANCE.
- THE CONTRACTOR WILL EMPLOY AND MAINTAIN ADEQUATE SEDIMENT AND EROSION CONTROL MEASURES TO PROTECT BISCAYNE BAY FROM SEDIMENT AND CONSTRUCTION DEBRIS.

DESIGN CRITERIA

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS:

- FLORIDA BUILDING CODE (FBC), 2020 EDITION.
- ACI 318-19, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- NDS NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2018 EDITION.
- EM 1110-2-1100 (PART VI) COASTAL ENGINEERING MANUAL, 2011 EDITION.

IN THE EVEN OF CONFLICT BETWEEN PERTINENT CODES AND REGULATIONS AND THE REQUIREMENTS OF THE REFERENCED STANDARDS OF THESE SPECIFICATIONS, THE PROVISIONS OF THE MORE STRINGENT SHALL GOVERN.

BOLTS:

- ALL BOLTS SHALL BE 316 STAINLESS STEEL, UNLESS OTHERWISE NOTED.

CONCRETE

- CONCRETE SHALL CONFORM TO ACI 318 (LATEST ED.) AND SHALL BE REGULAR WEIGHT, SULFATE RESISTANT, WITH A DESIGN STRENGTH OF 5,000 PSI AT 28 DAYS W/ A MAX WATER-CEMENTIOUS MATERIALS RATIO, BY WEIGHT, NORMAL WEIGHT AGGREGATE CONCRETE OF 0.40.
- OWNER SHALL EMPLOY AND PAY FOR TESTING SERVICES FROM AN INDEPENDENT TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE W/ ASTM.
- LICENSED CONTRACTOR IS RESPONSIBLE FOR THE ADEQUACY OF FORMS AND SHORING AND FOR SAFE PRACTICE IN THEIR USE AND REMOVAL.
- CONCRETE COVER SHALL BE 3" UNLESS OTHERWISE NOTED ON APPROVED DRAWINGS.
- REINFORCING STEEL SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF ASTM A615 GRADE 60 SPECIFICATIONS. ALL REINFORCEMENT SHALL BE PLACED IN ACCORDANCE W/ ACI 315 AND ACI MANUAL OF STANDARD PRACTICE.
- SPLICES IN REINFORCING BARS SHALL NOT BE LESS THAN 48 BAR DIAMETERS AND REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS AND CHANGES IN DIRECTION. CONTINUITY SHALL BE PROVIDED AT CORNERS OR CHANGES IN DIRECTION BY BENDING THE LONGITUDINAL STEEL AROUND THE CORNER 48 BAR DIAMETERS.

PILE DRIVING NOTES

- PILE DRIVING OPERATIONS SHALL BE OBSERVED BY A SPECIAL INSPECTOR, INCLUDING TEST PILES SUFFICIENT TO DETERMINE THE APPROXIMATE LENGTH REQUIRED TO MEET DESIGN CAPACITY.
- PILES SHALL BE DRIVEN USING AN APPROVED CUSHION BLOCK CONSISTING OF MATERIAL SO ARRANGED SO AS TO PROVIDE THE TRANSMISSION OF THE HAMMER ENERGY.
- PILES SHALL BE DRIVEN TO REQUIRED MINIMUM 15 TON BEARING CAPACITY.
- PILES SHALL BE DRIVEN WITH A DROP HAMMER OR GRAVITY HAMMER PROVIDED THE HAMMER SHALL WEIGH NO LESS THAN 3,000 POUNDS, AND THE FALL OF THE HAMMER SHALL NOT EXCEED 6 FT.
- PILES SHALL BE DRIVEN WITH A VARIATION OF NOT MORE THAN 1/4" PER FOOT FROM THE VERTICAL, OR FROM THE BATTER LINE INDICATED, WITH A MAX VARIATION OF THE HEAD OF THE PILE FROM THE POSITION SHOWN ON THE PLANS OF NOT MORE THAN 3".
- WHERE PILING MUST PENETRATE STRATA OFFERING HIGH RESISTANCE TO DRIVING, THE STRUCTURAL ENGINEER OF RECORD OR SPECIAL INSPECTOR MAY REQUIRE THAT PILES BE SET IN PRE-DRILLED OR CHILLED PILES. THE PILES SHALL REACH THEIR FINAL PENETRATION BY DRIVING.

3333 GARDEN AVE WATERFRONT IMPROVEMENTS PROJECT Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

**OCEAN
CONSULTING, LLC**

340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

PERMIT DRAWINGS

Issue #	Issue Date
①	March 10, 2021

PROJECT: 20-10120

PROJECT LOCATION & NOTES

SCALE : AS SHOWN
SHEET NO.

S-1

3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

OCEAN
CONSULTING, LLC

340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
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CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

PERMIT DRAWINGS

Issue # Issue Date

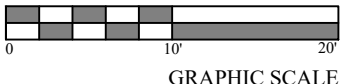
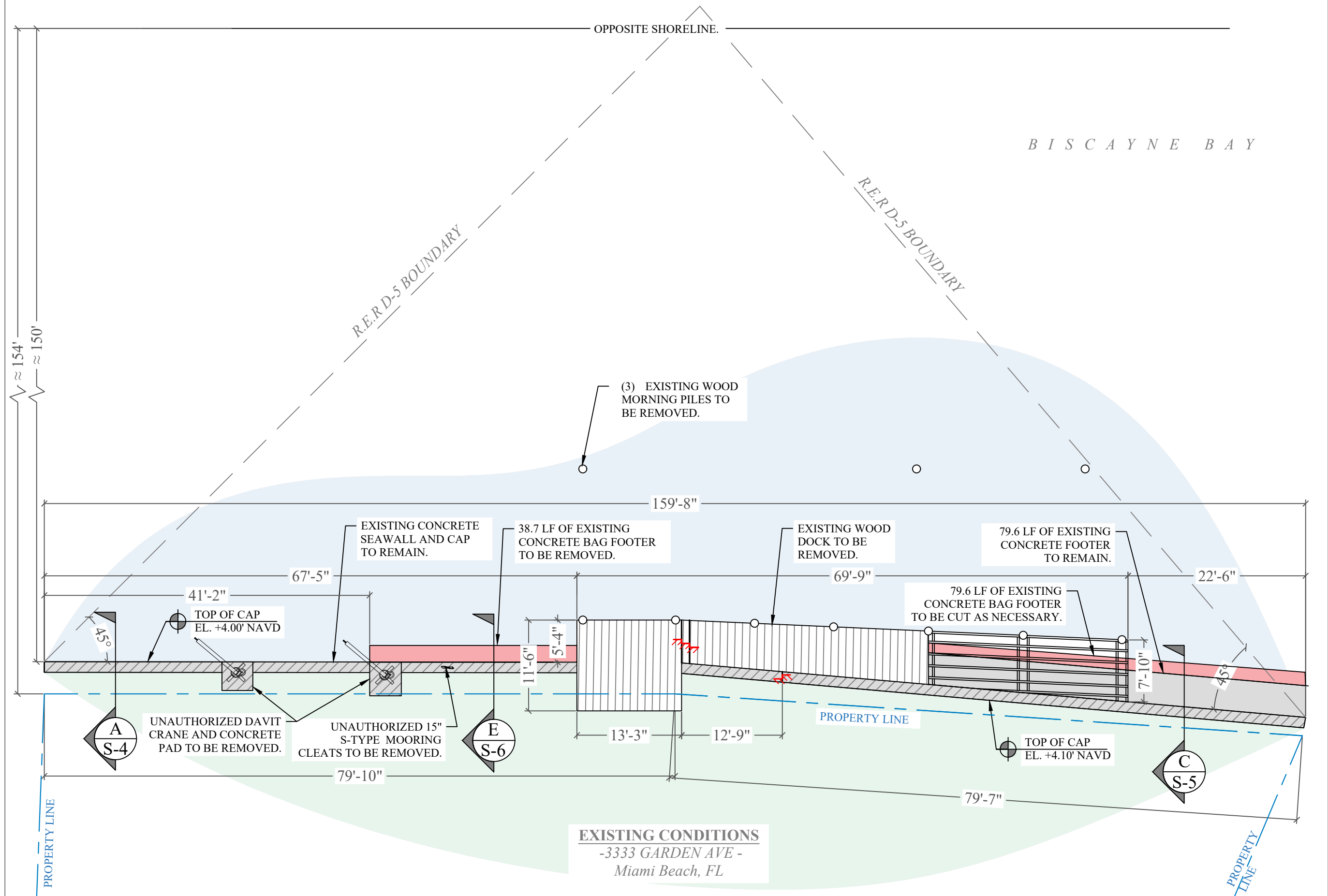
① March 10, 2021

PROJECT: 20-10120

EXISTING CONDITIONS

SCALE : AS SHOWN
SHEET NO.

S-2



GRAPHIC SCALE

3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

OCEAN
CONSULTING, LLC

340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
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CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

PERMIT DRAWINGS

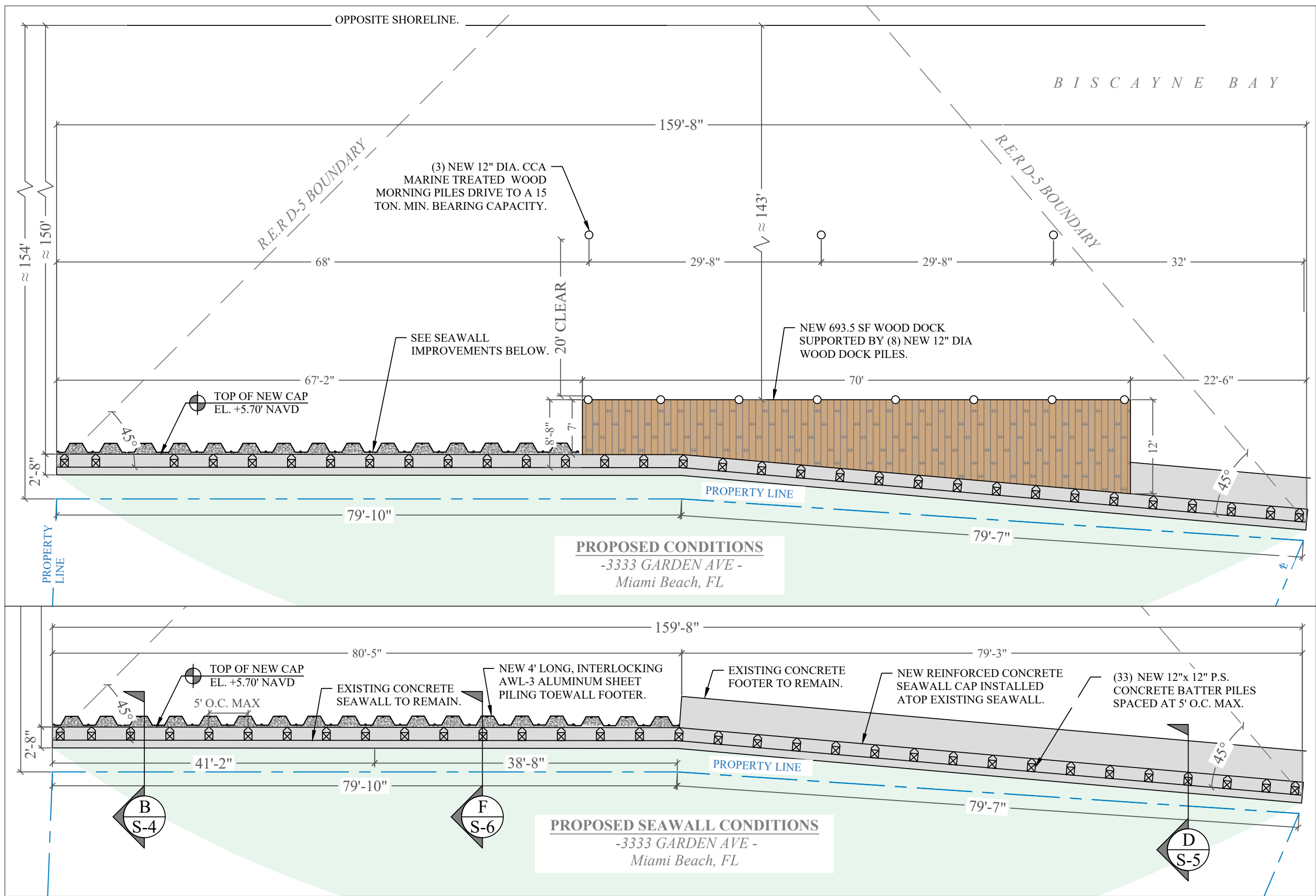
Issue #	Issue Date
①	March 10, 2021

PROJECT: 20-10120

PROPOSED CONDITIONS

SCALE : AS SHOWN
SHEET NO.

S-3



CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

OCEAN

CONSULTING, LLC

340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

PERMIT DRAWINGS

Issue # Issue Date

① March 10, 2021

PROJECT: 20-10120

**SEAWALL DETAILS
AND SECTIONS**

SCALE : AS SHOWN
SHEET NO.

S-4

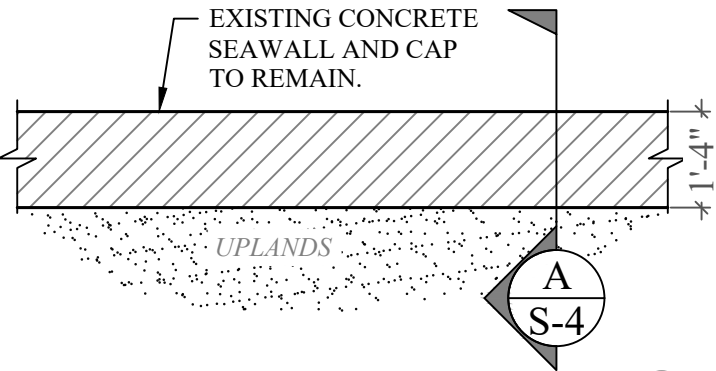
NEW 12x12" P.S. CONCRETE BATTER PILES SPACED 5' O.C. MAX DRIVEN 24' B.E.L.S. TO A 25-TON COMPRESSION/ 7 TON TENSION BEARING CAPACITY ACCORDING TO DYNATECH ENGINEERING CORP GEOTECHNICAL REPORT DATED AUGUST 19, 2020.

4' LONG, INTERLOCKING AWL-3 ALUMINUM SHEET PILING TOEWALL FOOTER; PUMP 3,000 PSI CONCRETE BETWEEN SHEETING AND SEAWALL BY MEANS OF TREMIE HOSE FROM CONCRETE PUMP TRUCK TO PREVENT EROSION BEHIND EXISTING SEAWALL. TOTAL LINEAR FT.=79.8'. TOTAL CU YARDAGE OF CONCRETE= 2.8. CU YARDS/LINEAR FT =0.04.

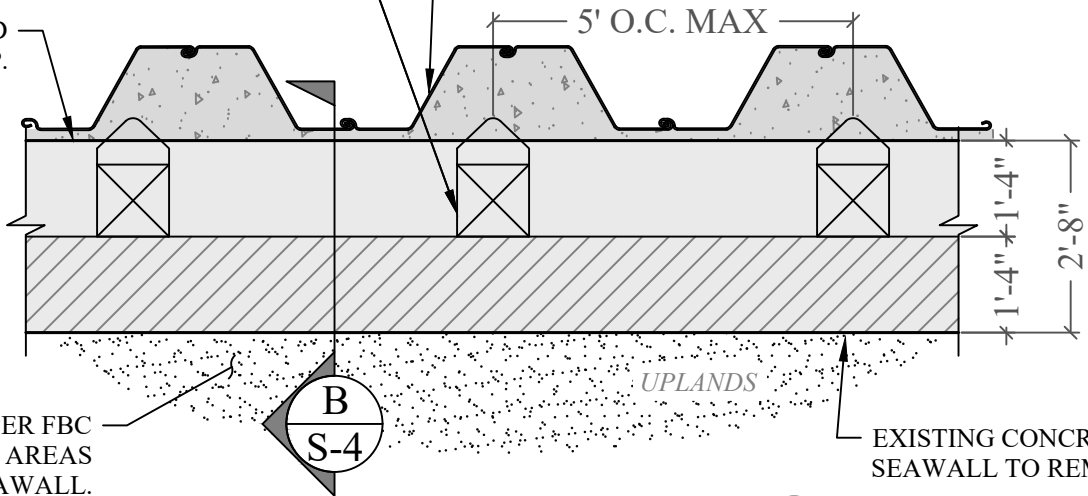
NEW REINFORCED
CONCRETE SEAWALL CAP.

USE CLEAN BACKFILL PER FBC
STANDARDS IN ALL AREAS
BEHIND NEW SEAWALL.

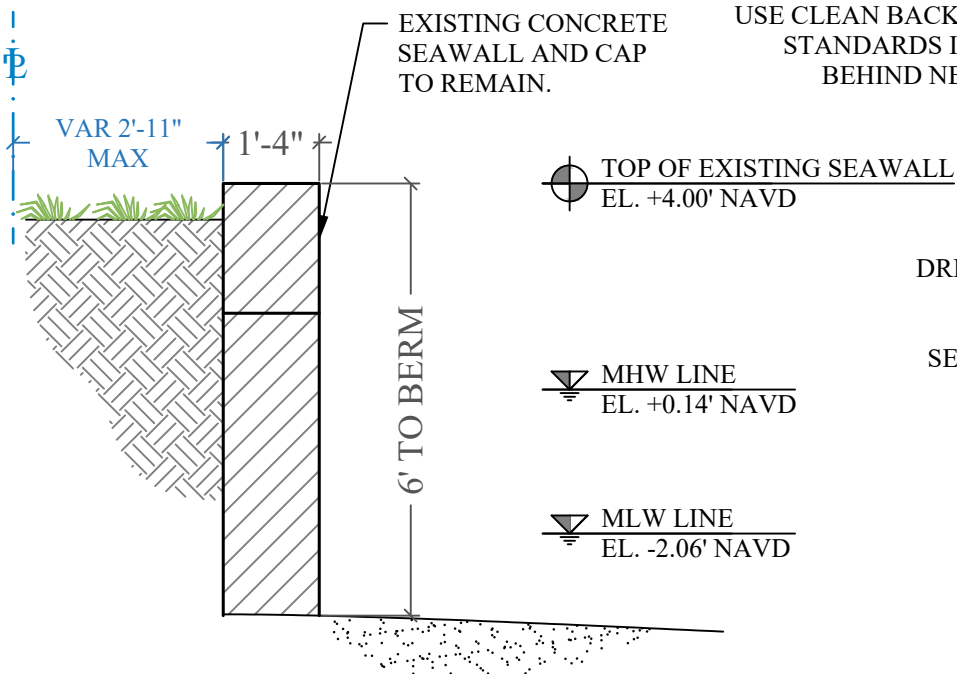
EXISTING CONCRETE
SEAWALL TO REMAIN.



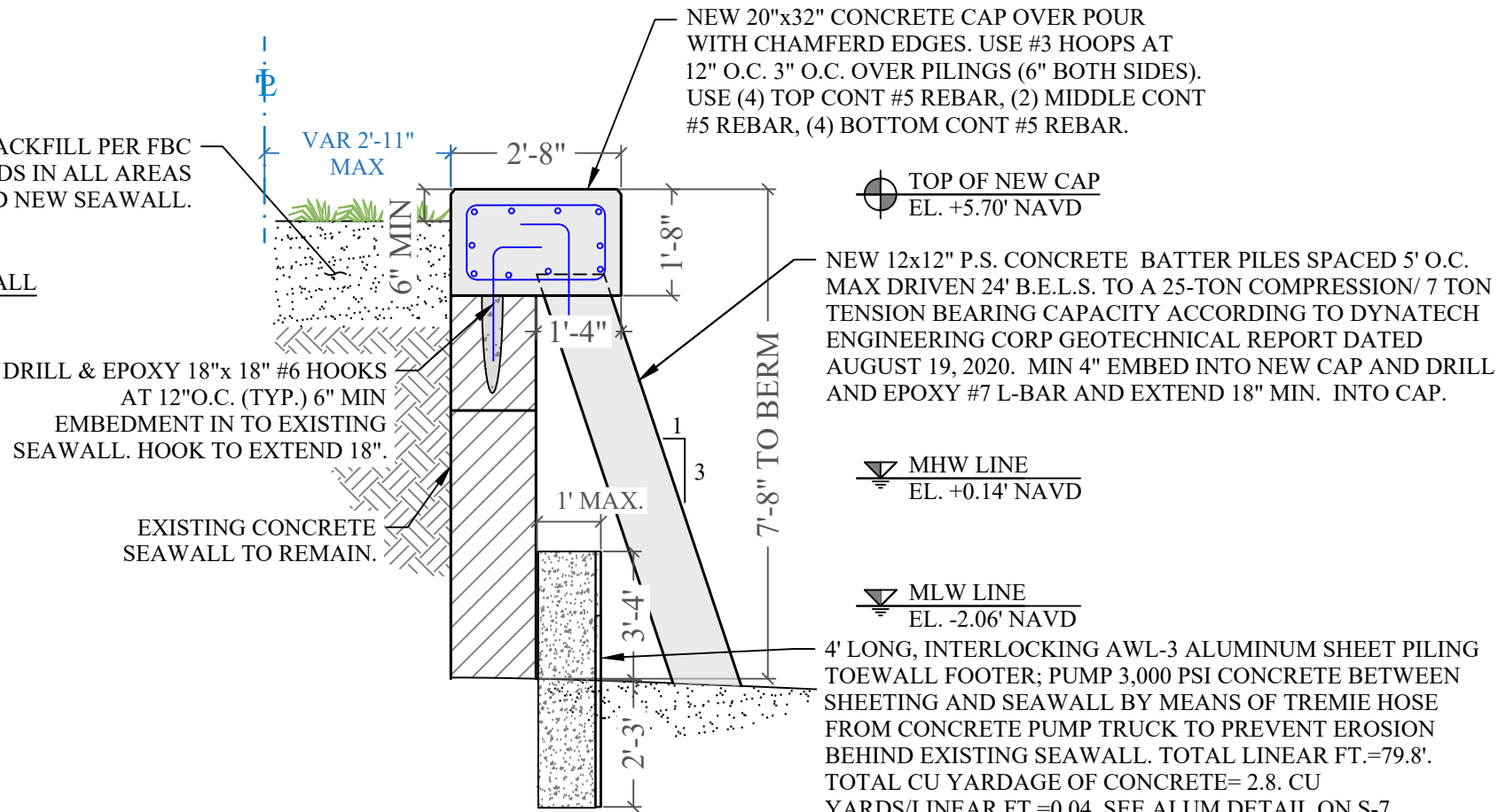
EXISTING SEAWALL CONDITION 1
SCALE: 3/8" = 1'-0" S-4



PROPOSED SEAWALL CONDITION 2
SCALE: 3/8" = 1'-0" S-4



EXISTING SEAWALL SECTION A
SCALE: 3/8" = 1'-0" S-4



PROPOSED SEAWALL SECTION B
SCALE: 3/8" = 1'-0" S-4

CLIENT:

MR. ALAN LEVINE

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Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

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PERMIT DRAWINGS

Issue # Issue Date

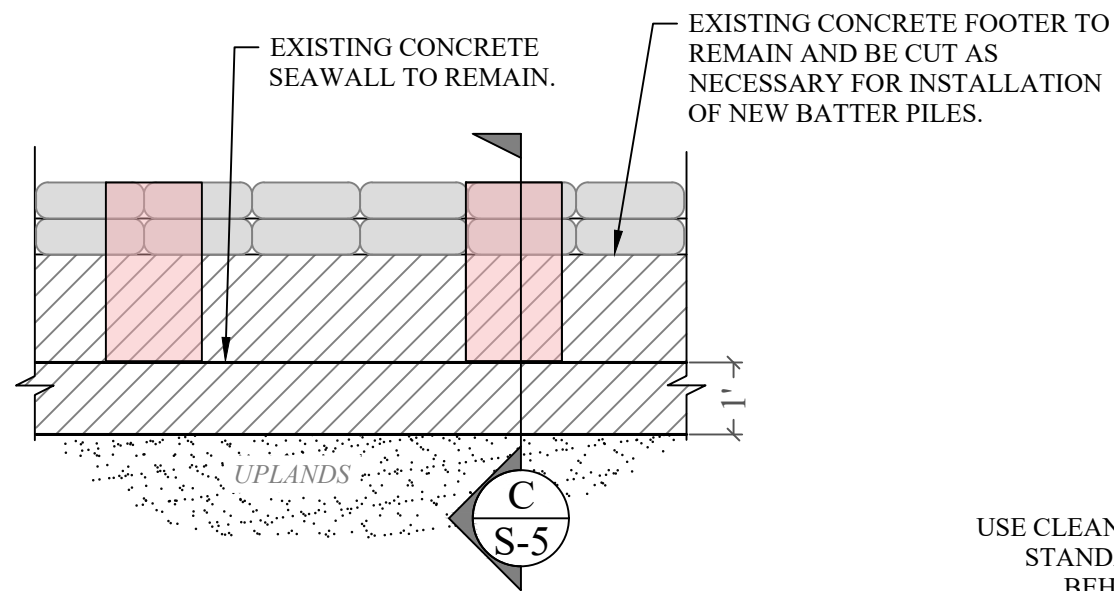
① March 10, 2021

PROJECT: 20-10120

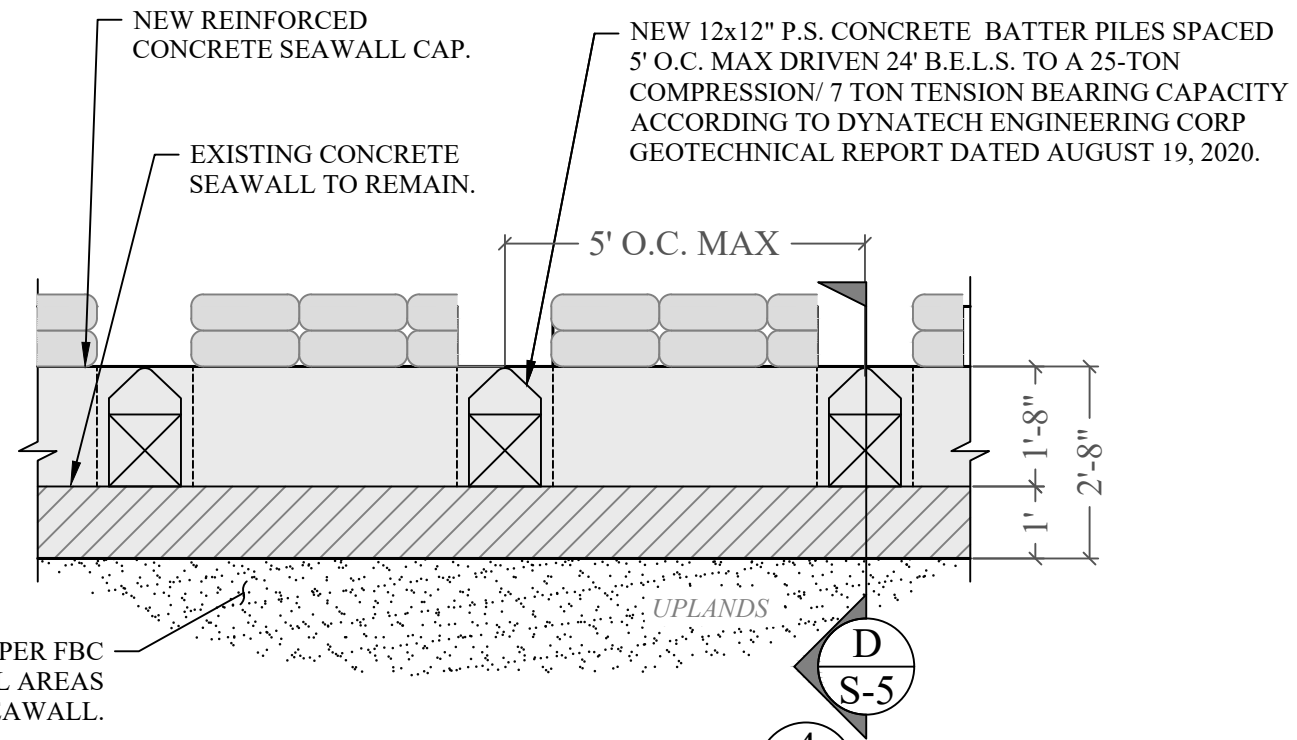
**SEAWALL DETAILS
AND SECTIONS**

SCALE : AS SHOWN
SHEET NO.

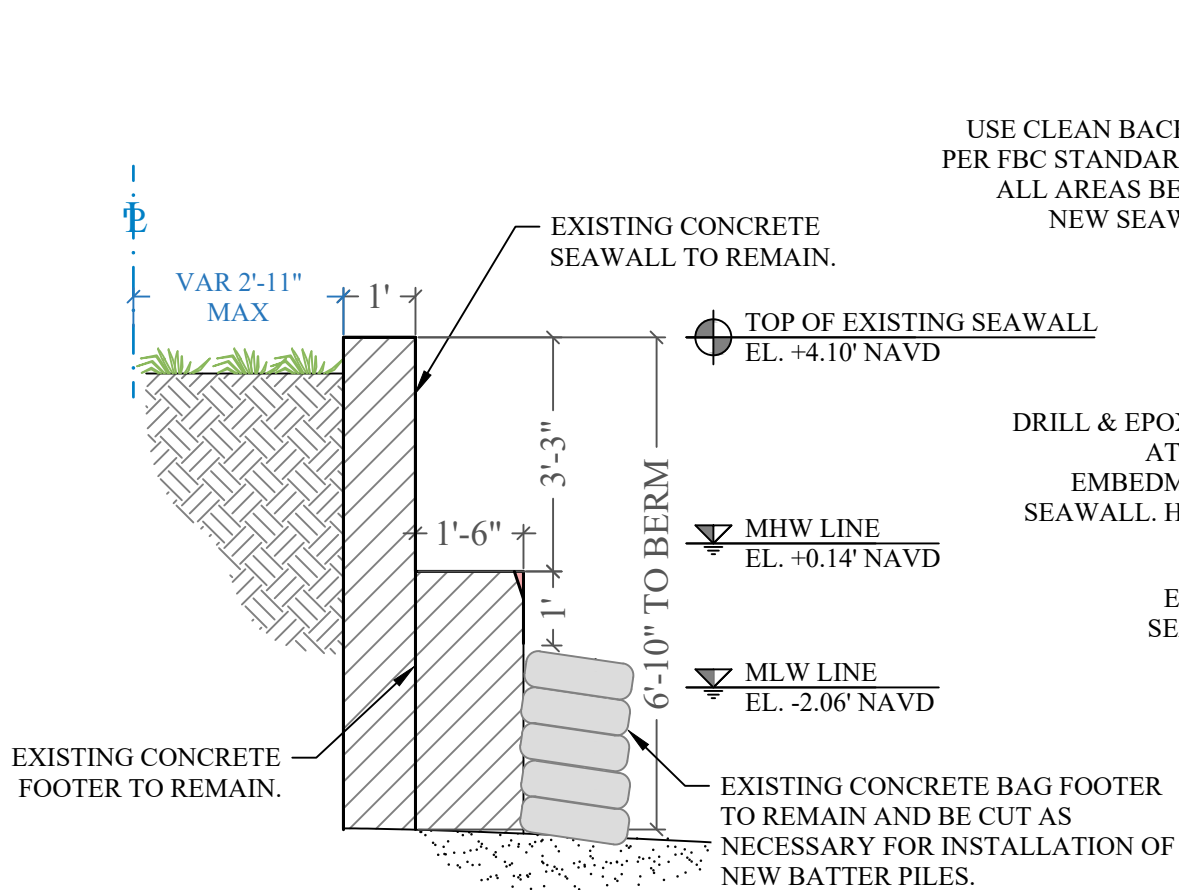
S-5



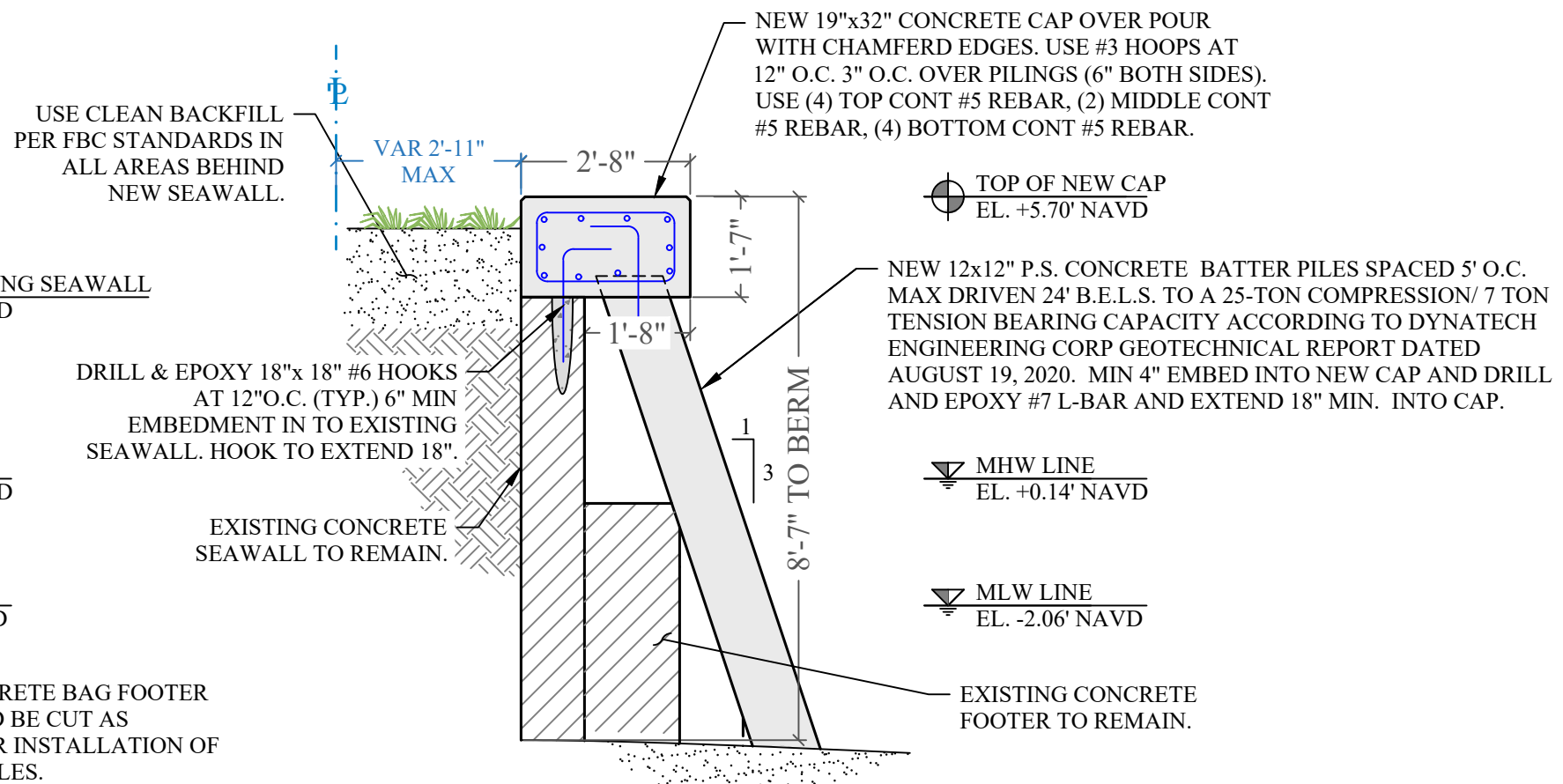
EXISTING SEAWALL CONDITION **3**
SCALE: 3/8" = 1'-0" **S-5**



PROPOSED SEAWALL CONDITION **4**
SCALE: 3/8" = 1'-0" **S-5**



EXISTING SEAWALL SECTION **C**
SCALE: 3/8" = 1'-0" **S-5**



PROPOSED SEAWALL SECTION **D**
SCALE: 3/8" = 1'-0" **S-5**

3333 GARDEN AVE
WATERFRONT
IMPROVEMENTS
PROJECT
Miami Beach, Florida

CLIENT:

MR. ALAN LEVINE

3333 Garden Avenue
Miami Beach, Florida 33140

ENVIRONMENTAL CONSULTANT:

**OCEAN
CONSULTING, LLC**

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Tel: (305) 921-9344
Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:

SEAL / SIGNATURE / DATE

PERMIT DRAWINGS

Issue #	Issue Date
①	March 10, 2021

PROJECT: 20-10120

**SEAWALL DETAILS
AND SECTIONS**

SCALE : AS SHOWN
SHEET NO.

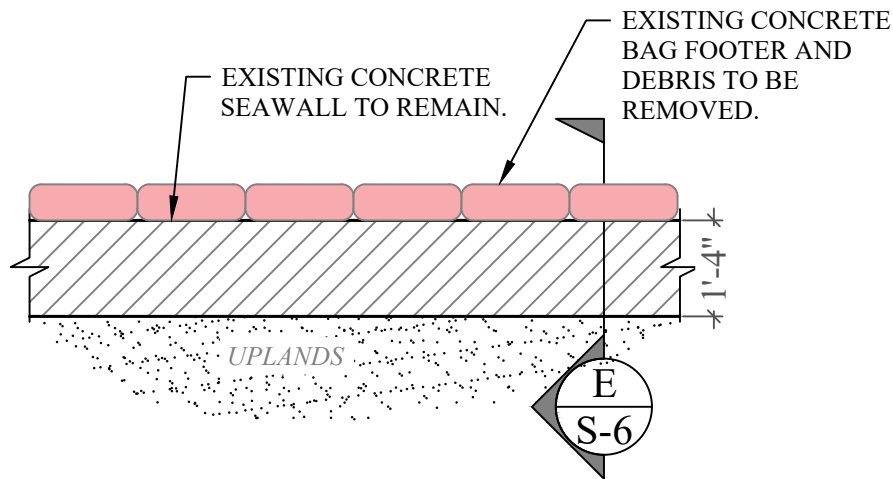
S-6

NEW 12x12" P.S. CONCRETE BATTER PILES SPACED 5' O.C. MAX DRIVEN 24' B.E.L.S. TO A 25-TON COMPRESSION/ 7 TON TENSION BEARING CAPACITY ACCORDING TO DYNATECH ENGINEERING CORP GEOTECHNICAL REPORT DATED AUGUST 19, 2020.

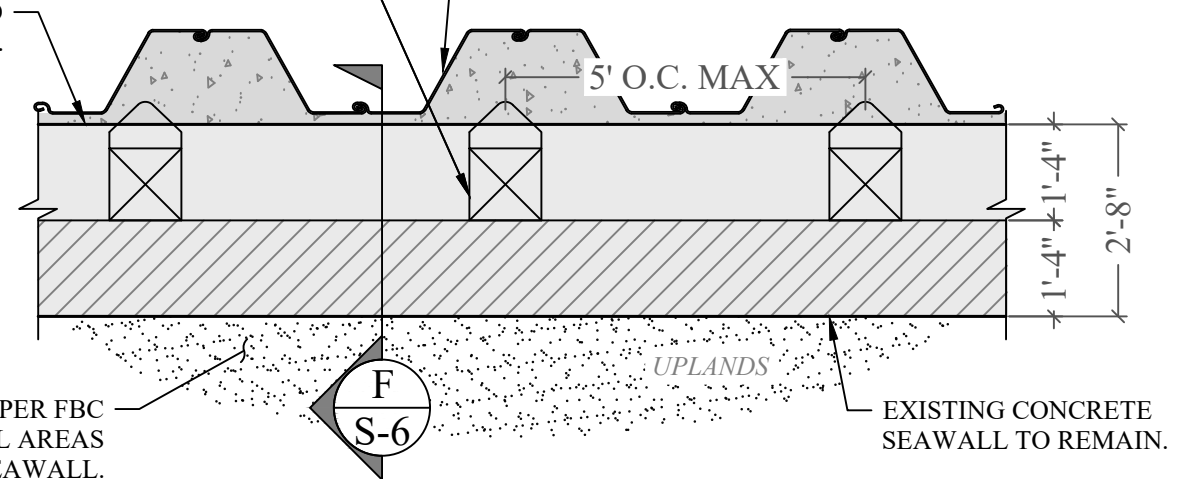
NEW REINFORCED
CONCRETE SEAWALL CAP.

USE CLEAN BACKFILL PER FBC
STANDARDS IN ALL AREAS
BEHIND NEW SEAWALL.

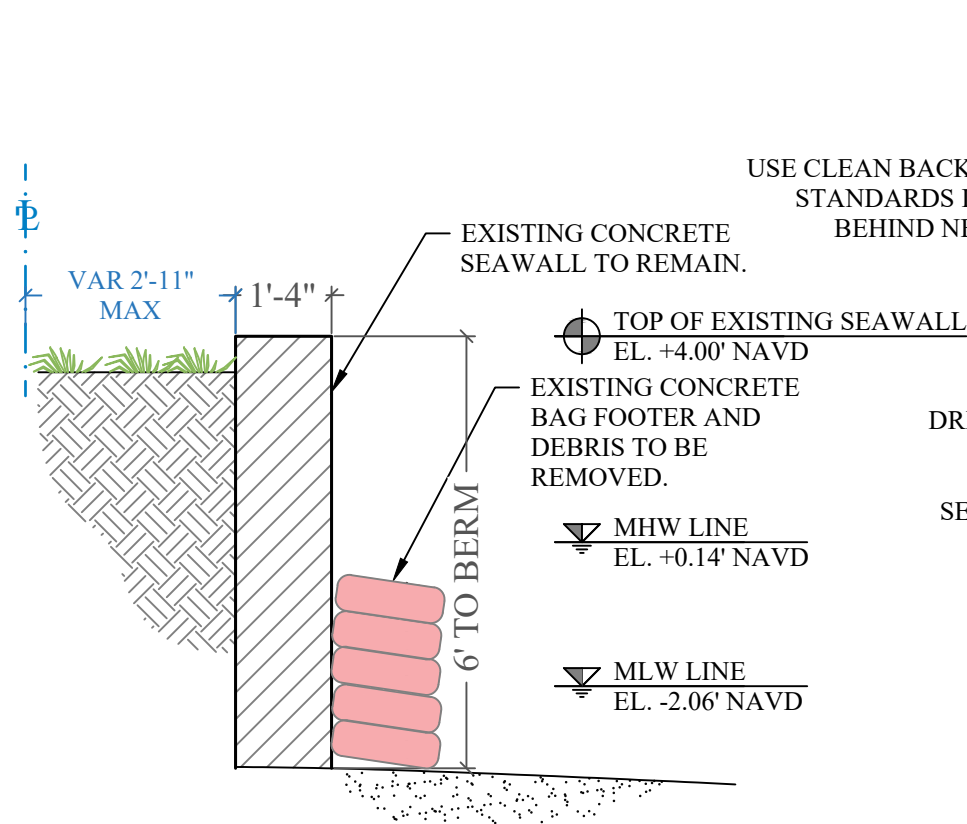
4' LONG, INTERLOCKING AWL-3 ALUMINUM SHEET PILING
TOEWALL FOOTER; PUMP 3,000 PSI CONCRETE BETWEEN
SHEETING AND SEAWALL BY MEANS OF TREMIE HOSE
FROM CONCRETE PUMP TRUCK TO PREVENT EROSION
BEHIND EXISTING SEAWALL. TOTAL LINEAR FT.=79.7.
TOTAL CU YARDAGE OF CONCRETE= 2.8. CU
YARDS/LINEAR FT =0.04. SEE ALUM DETAIL ON S-7.



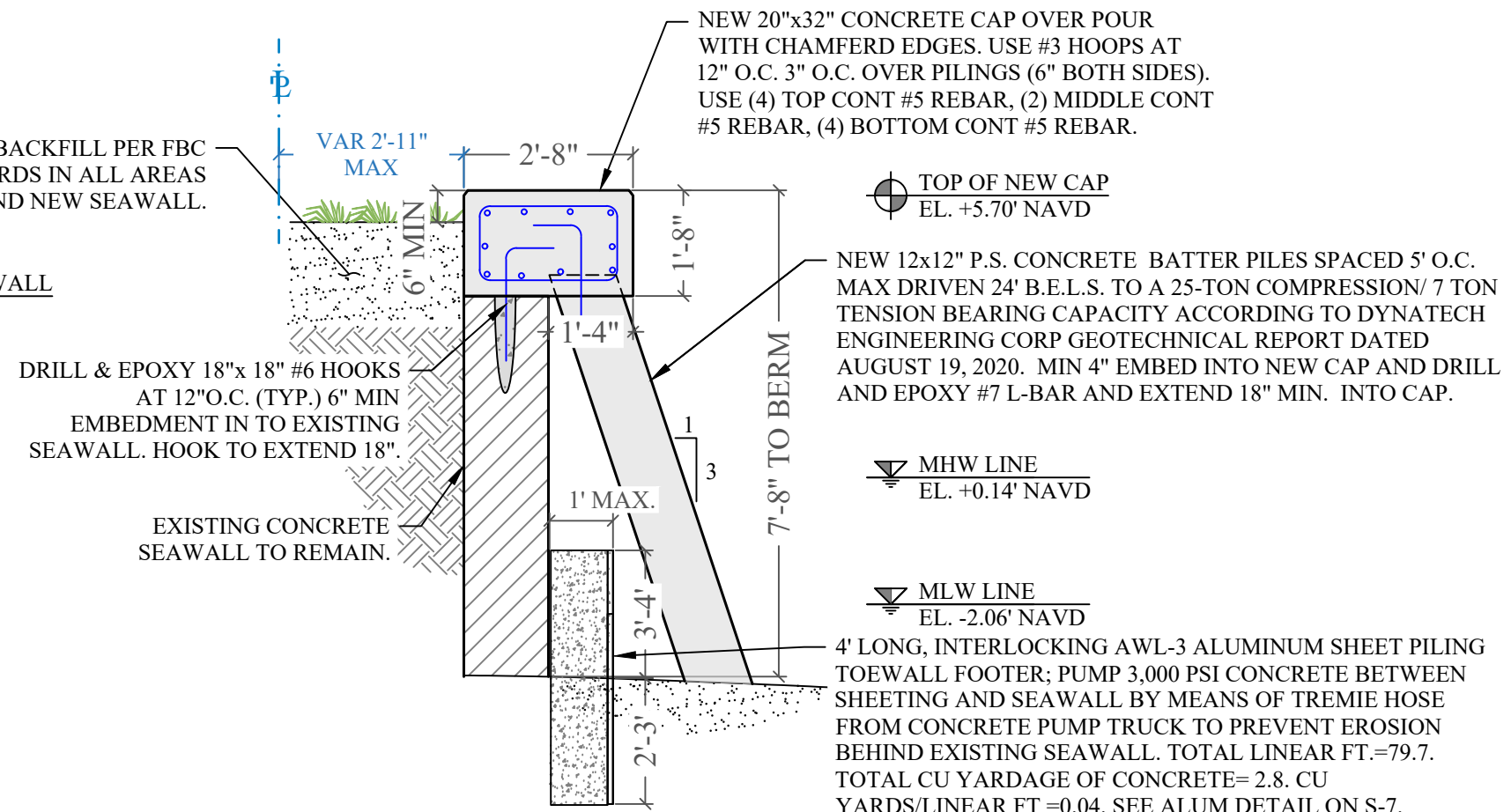
EXISTING SEAWALL CONDITION **5**
SCALE: 3/8" = 1'-0" **S-6**



PROPOSED SEAWALL CONDITION **6**
SCALE: 3/8" = 1'-0" **S-6**



EXISTING SEAWALL SECTION **E**
SCALE: 3/8" = 1'-0" **S-6**



PROPOSED SEAWALL SECTION **F**
SCALE: 3/8" = 1'-0" **S-6**

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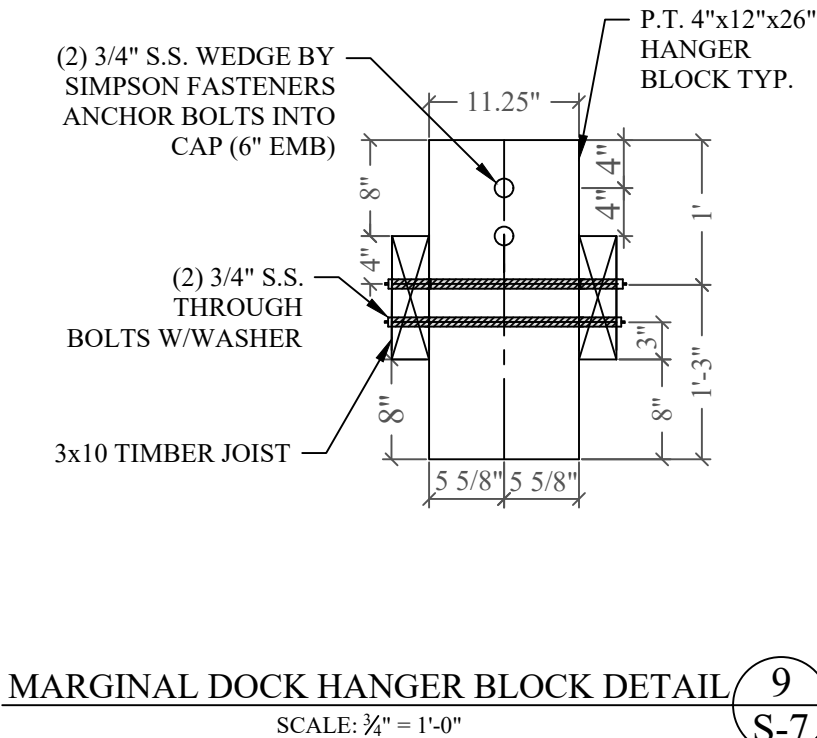
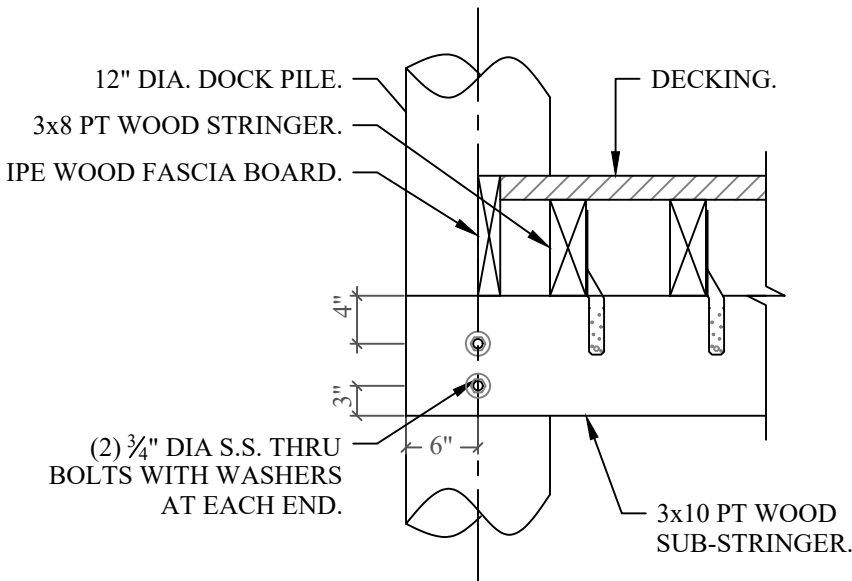
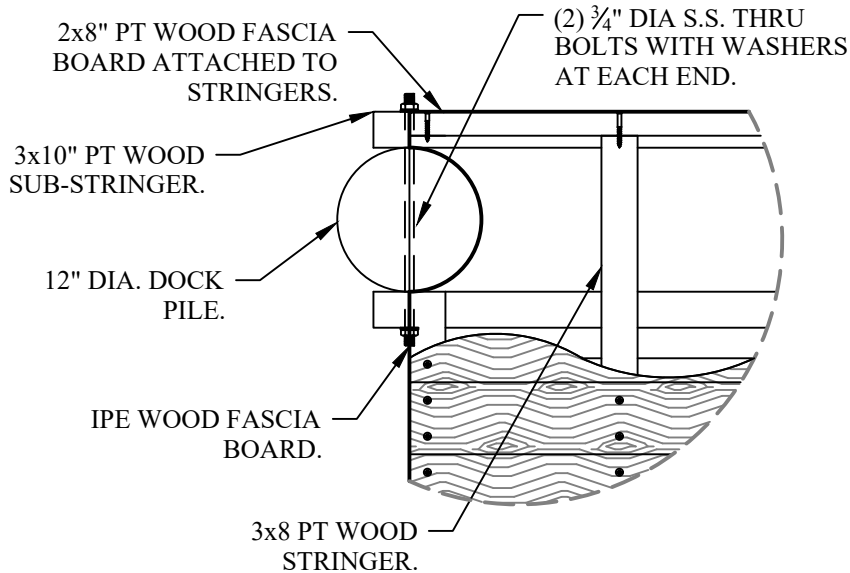
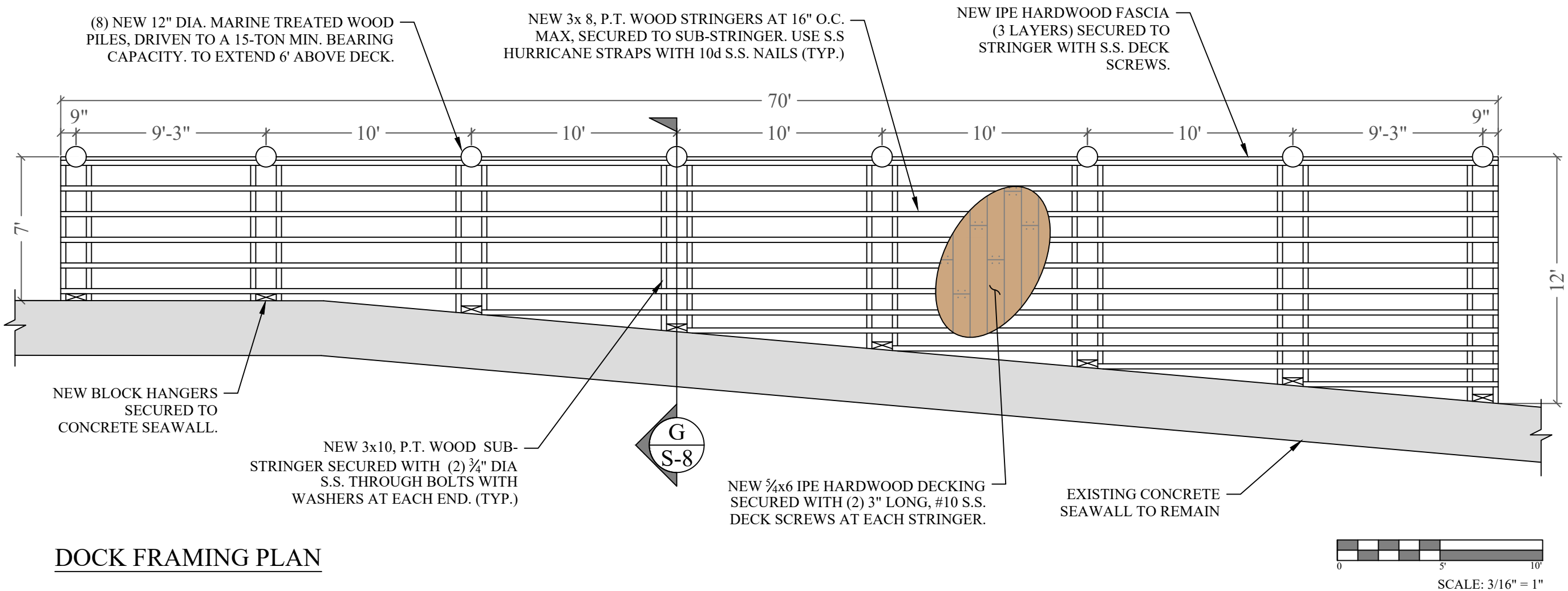
Issue #	Issue Date
①	March 10, 2021

PROJECT: 20-10120

DOCK FRAMING PLAN
AND DETAILS

SCALE : AS SHOWN
SHEET NO.

S-7



3333 GARDEN AVE
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PERMIT DRAWINGS

Issue # Issue Date

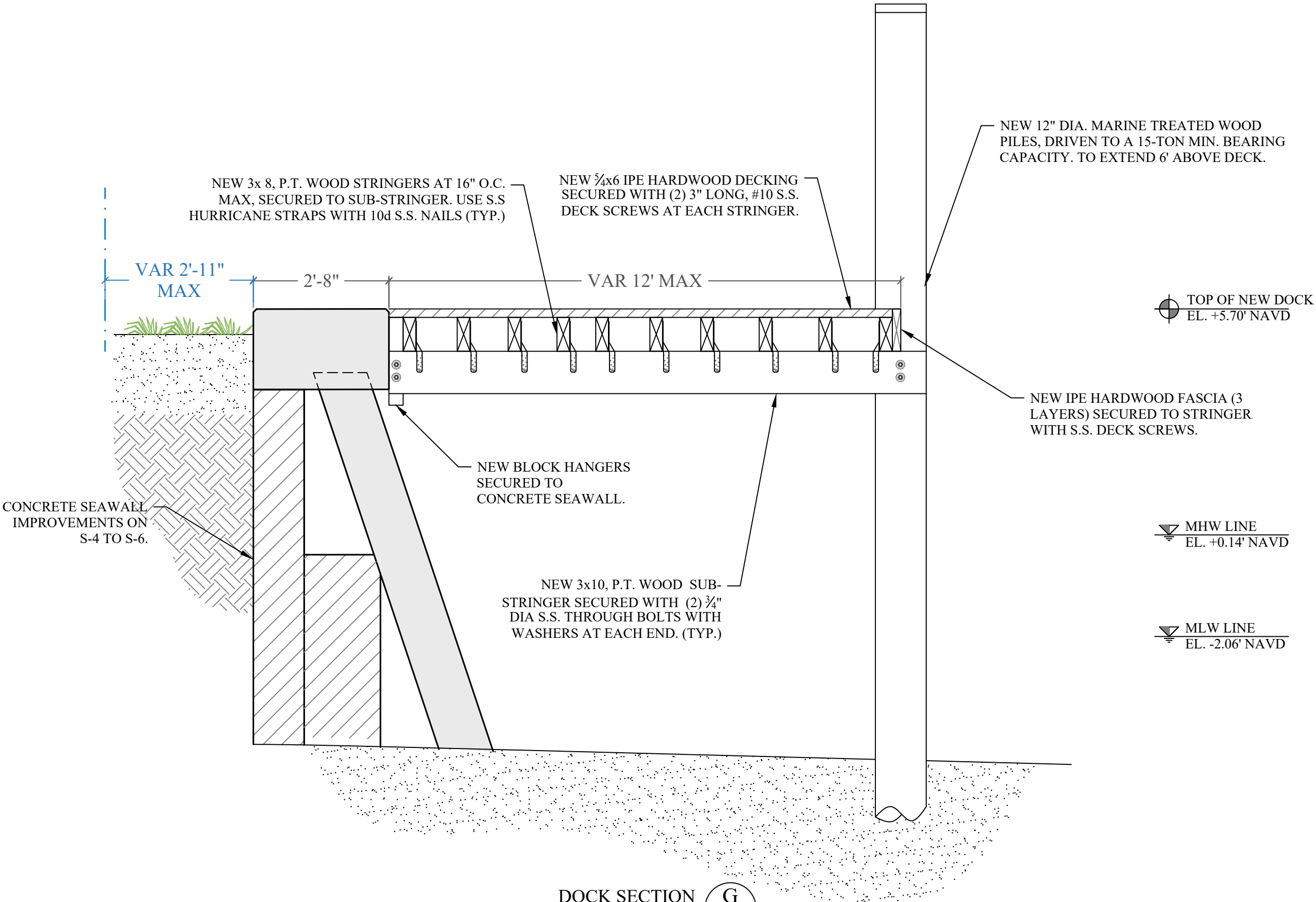
① March 10, 2021

PROJECT: 20-10120

DOCK SECTION

SCALE : AS SHOWN
SHEET NO.

S-8



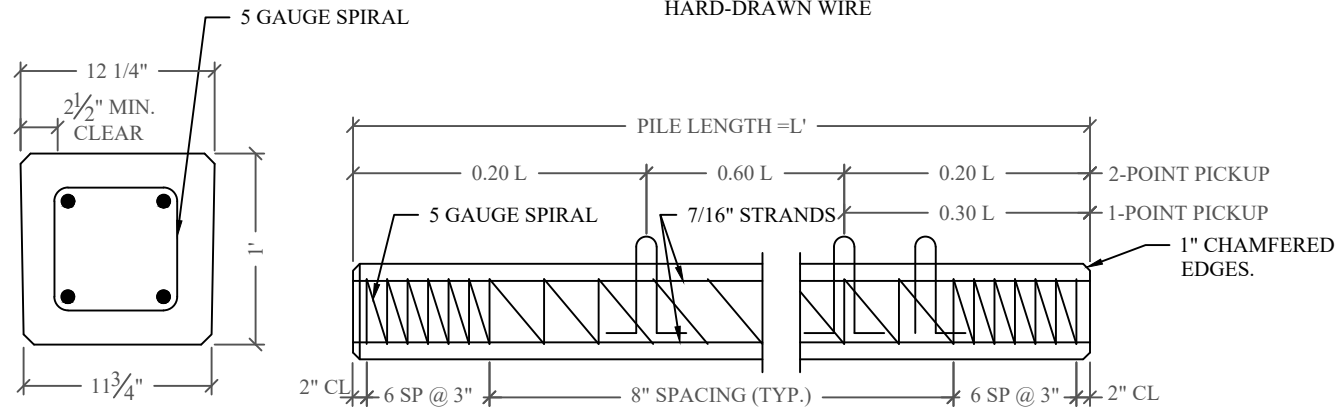
PILE NOTE:

CONCRETE COMPRESSIVE STRENGTH:
3000 PSI @ RELEASE
5000 PSI @ DRIVING

STRANDS - USE FOUR 7/16" (270K)
LOW RELAXATION ASTM 416-87 UNCOATED
7-WIRE STRANDS TENSIONED TO 2.33 KIPS EACH

1-POINT PICKUP-MAXIMUM L = 50'
2-POINT PICKUP-MAXIMUM L = 62'

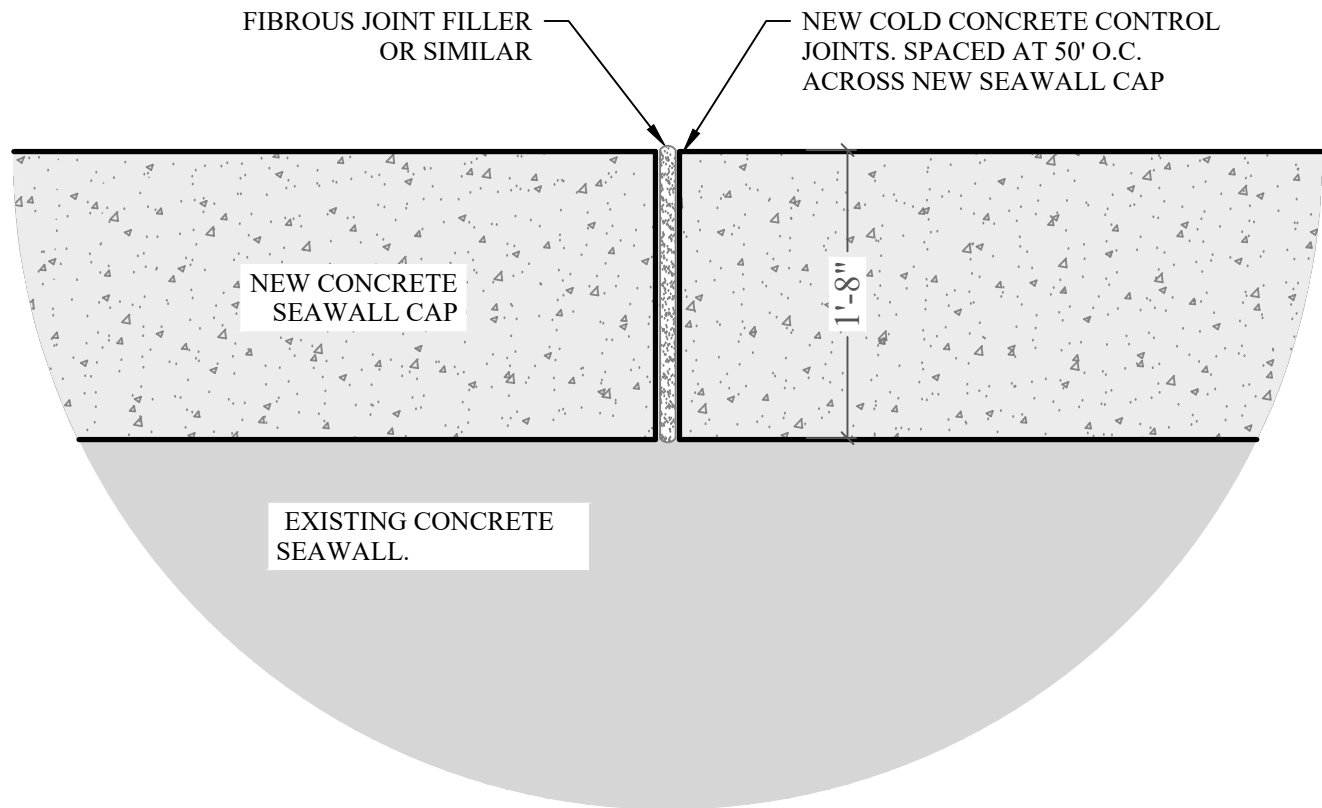
SPIRAL TO BE ASTM A-82 TIGHT
HARD-DRAWN WIRE



CONCRETE PILE DETAIL

SCALE: 1" = 1'-0"

10
S-9



COLD JOINT DETAIL

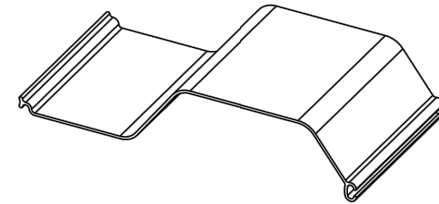
SCALE: 3/4" = 1'-0"

11
S-9

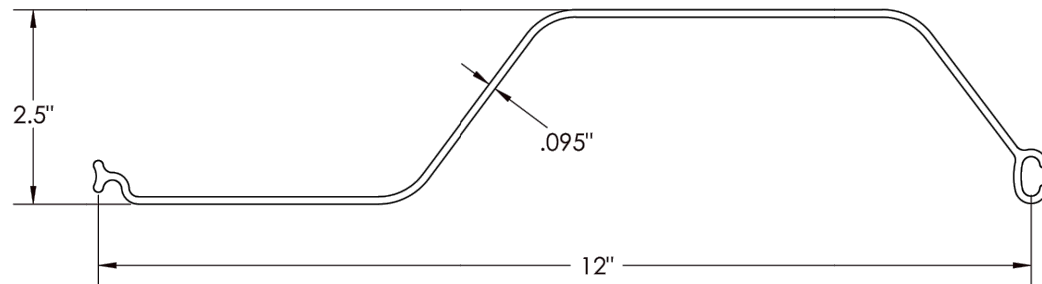


Updated January 1, 2011

AWL-3



MAX Allowable Moment (M)	1,950 ft-lb/ft	8.67 kN-m/m
Section Modulus (Z)	1.2 in ³ /ft	65 cm ³ /m
Moment of Inertia (I)	1.5 in ⁴ /ft	205 cm ⁴ /m
Thickness (t)	0.095 in	2.4 mm
Section Depth	2.5 in	64 mm
Section Width	12 in	305 mm
Design Modulus of Elasticity (E)	10 x 10 ⁶ psi	68,900 Mpa
Material	6061-T6 Marine Grade Aluminum	
Standard Colors	Mill Finish	
Profile/Patented Features	Pan Profile	



Physical properties are defined by ASTM testing standards, The Aluminum Association Design Manual, The Naval Facilities Design Manual DM 7.2, The US Army Corps of Engineers General Design Guide: PVC Sheet Pile and/or standard engineering practice. The values shown are nominal and may vary. The information found in this document is believed to be true and accurate. No warranties of any kind are made as to the suitability of any CMI product for particular applications or the results obtained there from. Crane Materials International is a Crane Building Products company. ShoreGuard®, The ShoreGuard Seawall System™, C-Loch®, TimberGuard®, GeoGuard®, Dura Dock®, Shore-AB®, GatorGate®, GatorDock Elite™, ArmorWare™, ArmorDock™, Box Profile™, UltraComposite™, Elite Wall™, Elite Panel™, Elite Fascia Panel™, Flat Panel™, XCR™, XCR Technology™, XCR Vinyl™, GatorBridge™, Gator Aluminum™, Gator Sheet Piling™, GatorDock™, Hearn Lock™, Textured Sheet™, Crane Materials International logo, CMI Sheet Piling Solutions™, Aqua Terra System™, Endurance™, Endurance CSPTM, Polarist™, Eclipse™, GigaSpine™, 21 Poly™, PileClaw™, SheerScape™, SheerScape Retaining Wall System™, Sheer Panel™ and CMI Waterfront Solutions™ are trademarks, service marks or trade names of Crane Materials International. United States and International Patent numbers 4,674,921; 4,690,588; 5,292,206; 5,145,287; 6,000,883; 6,033,155; 6,033,666; D420,154; 6,575,667; 7,059,807; 7,056,046; 7,025,539; 7,393,482; 5,503,503; 5,803,672; 6,231,271; 1,245,061 CA and other patents pending. © 2011 Crane Materials International. All Rights Reserved.

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PERMIT DRAWINGS

Issue # Issue Date

① March 10, 2021

PROJECT: 20-10120

CONCRETE PILE AND
COLD JOINT DETAILS

SCALE : AS SHOWN
SHEET NO.

S-9



PROTECTED SPECIES CONSTRUCTION CONDITIONS, NOAA FISHERIES SOUTHEAST REGIONAL OFFICE

The action agency and any permittee shall comply with the following construction conditions for protected species under the jurisdiction of NOAA Fisheries Southeast Regional Office (SERO) Protected Resources Division (PRD):¹

Protected Species Sightings—The action agency and any permittee shall ensure that all personnel associated with the project are instructed about the potential presence of species protected under the Endangered Species Act (ESA) and the Marine Mammal Protection Act (MMPA). All on-site project personnel are responsible for observing water-related activities for the presence of protected species. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing listed species and all marine mammals. To determine which protected species and critical habitat may be found in the transit area, please review the relevant [marine mammal](https://www.fisheries.noaa.gov/find-species) and [ESA-listed species](https://www.fisheries.noaa.gov/find-species) at Find A Species (<https://www.fisheries.noaa.gov/find-species>) and the consultation documents that have been completed for the project.

1. **Equipment**—Turbidity curtains, if used, shall be made of material in which protected species cannot become entangled and be regularly monitored to avoid protected species entrapment. All turbidity curtains and other in-water equipment shall be properly secured with materials that reduce the risk of protected species entanglement and entrapment.
 - a. In-water lines (rope, chain, and cable, including the lines to secure turbidity curtains) shall be stiff, taut, and non-looping. Examples of such lines are heavy metal chains or heavy cables that do not readily loop and tangle. Flexible in-water lines, such as nylon rope or any lines that could loop or tangle, shall be enclosed in a plastic or rubber sleeve/tube to add rigidity and prevent the line from looping and tangling. In all instances, no excess line shall be allowed in the water. All anchoring shall be in areas free from hardbottom and seagrass.
 - b. Turbidity curtains and other in-water equipment shall be placed in a manner that does not entrap protected species within the project area and minimizes the extent and duration of their exclusion from the project area.
 - c. Turbidity barriers shall be positioned in a way that minimizes the extent and duration of protected species exclusion from important habitat (e.g. critical habitat, hardbottom, seagrass) in the project area.
2. **Operations**—For construction work that is generally stationary (e.g., barge-mounted equipment dredging a berth or section of river, or shore-based equipment extending into the water):
 - a. Operations of moving equipment shall cease if a protected species is observed within 150 feet of operations.

¹ Manatees are managed under the jurisdiction of the U.S. Fish and Wildlife Service.

- b. Activities shall not resume until the protected species has departed the project area of its own volition (e.g., species was observed departing or 20 minutes have passed since the animal was last seen in the area).
3. **Vessels**—For projects requiring vessels, the action agency, and any permittee shall ensure conditions in the [Vessel Strike Avoidance Measures](#) are implemented as part of the project/permit issuance (<https://www.fisheries.noaa.gov/southeast/consultations/regulations-policies-and-guidance>).
4. **Consultation Reporting Requirements**—Any interaction with a protected species shall be reported immediately to NOAA Fisheries SERO PRD and the local authorized stranding/rescue organization.

To report to NOAA Fisheries SERO PRD, send an email to takereport.nmfsser@noaa.gov. Please include the species involved, the circumstances of the interaction, the fate and disposition of the species involved, photos (if available), and contact information for the person who can provide additional details if requested. Please include the project's Environmental Consultation Organizer (ECO) number and project title in the subject line of email reports.

To report the interaction to the local stranding/rescue organization, please see the following website for the most up to date information for reporting sick, injured, or dead protected species:

Reporting Violations—To report an ESA or MMPA violation, call the NOAA Fisheries Enforcement Hotline. This hotline is available 24 hours a day, 7 days week for anyone in the United States.

NOAA Fisheries Enforcement Hotline (800) 853-1964

5. **Additional Conditions**—Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the project consultation and must also be complied with.

For additional information, please contact NOAA Fisheries SERO PRD at:

NOAA Fisheries Service
Southeast Regional Office
263 13th Avenue South
St. Petersburg, Florida 33701
Tel: (727) 824-5312

Visit us on the web at [Protected Marine Life in the Southeast](#)
(<https://www.fisheries.noaa.gov/region/southeast#protected-marine-life>)

Revised: May 2021

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

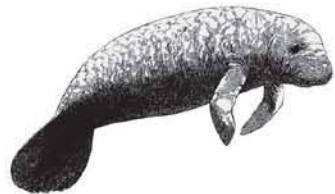
All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

Project Design Criteria (PDCs) specific to Activity 1 for Shoreline Stabilization

A1.1. Activities covered by this Opinion include:

- A1.1.1. New shoreline stabilization: New shoreline stabilization projects cannot exceed 500 ft in length. New seawalls and footers cannot extend any further waterward than 1.5 ft (18 in) from MHW, unless necessary to align a new seawall with 1 or more adjacent seawalls.
Repair or replacement of existing vertical seawalls: The repair, and replacement of seawalls and footers cannot extend any further waterward than 1.5 ft (18 in) from the wet face of the existing seawall or MHW, unless necessary to align with 1 or more adjacent seawalls. The repair or replacement of an existing seawall is not restricted to the 500 ft in length limit in PDC A1.1.1.
- A1.1.2. Shoreline stabilization materials may consist of riprap, articulating blocks or mats, and sand cement, geotextile/ filter fabric and mattresses. Installation of new shoreline stabilization materials where none previously existed may not extend more than 10 ft waterward of MHW (including the toe of the riprap). Riprap repair, and replacement may occur at its previous location, upland of, or within 1.5 ft (18 in) waterward of its previous location.
- A1.1.3. The Opinion does not cover removal of any length of seawall or other shoreline stabilization materials if such removal would result in an unstabilized shoreline.
- A1.1.4. The Opinion covers installation, repair, replacement, and removal of seawall footers.
- A1.1.5. This Opinion covers the removal/fill of upland cut boat ramps, slips, and basins to return the shoreline to the natural contour and/or to bring the shoreline into alignment with the adjacent property shorelines.

The following PDCs apply to all the activities described in PDC A1.1 above:

- A1.2. Placement of backfill is limited to those situations where it is necessary to level the land behind seawalls or riprap. This includes backfill associated with installation of a seawall or riprap to remove/fill in an upland cut area (e.g., boat slip, boat ramp, boat basins) to return the shoreline to the original shape or to connect to adjacent seawalls to bring the shoreline into alignment with adjacent property shorelines.
- A1.3. Shoreline stabilization materials must be placed by hand around red mangrove prop roots.
- A1.4. Shoreline stabilization structures, other than vertical seawalls, shall be no steeper than a 2:1 Horizontal: Vertical slope for riprap, or the appropriate slope necessary to ensure shoreline stability while minimizing the total footprint when using materials other than riprap.

- A1.5.** Installation and/or repairs to groins, jetties, or other structures placed perpendicular to shore, and beach nourishment/renourishment are not covered in this Opinion. Breakwaters/living shorelines are covered as described in Activity 7.
- A1.6.** No placement of riprap below MHW is covered under this Opinion within the boundary of the FKNMS unless the FKNMS issues a NOAA permit or authorization that signifies the proposed activity is consistent with Title III of the Marine Protection, Research, and Sanctuaries Act of 1972, as amended. Proof of approval from the FKNMS is required as part of the project level review submission, described in Section 2.3, below
- A1.7.** Shoreline protection shall not occur on ocean beaches used for sea turtle nesting.

Project Design Criteria (PDCs) Specific to Activity 2 for Pile-Supported Structures and Anchored Buoys

A2.1. Activities covered by this Opinion include the installation, repair, replacement, and removal of structures as described below:

- A2.1.1. The pile-supported and anchored structures included in this Opinion are: docks and piers, boatlifts, mooring piles and dolphin piles associated with docks/piers; ATONs and PATONs; floating docks; pile-supported chickees (i.e., small, back-country, over-water, pile-supported, primitive camping shelters); boardwalks (as long as they are designed and clearly marked to prohibit fishing and vessel mooring); mooring fields and buoys; and other minor pile-supported structures. This does not include structures that support large commercial vessels including ferries, tankers, and cargo ships such as ferry terminals and large ports.
- A2.1.2. Pile-supported docks/piers for a single-family residential lot are limited to 4 slips for motorized vessels. Slips for non-motorized vessels (e.g., kayak, canoe, and paddleboard) and associated launching areas do not count toward the total slip number.
- A2.1.3. Pile-supported structures for marinas, multi-family facilities (e.g., condo complexes, trailer parks, subdivisions when the homeowners association owns and controls the in-water structures). Docks and piers for multi-family residential properties (e.g., condos, trailer parks, apartment complexes), and marinas are limited to a maximum of 50 total slips (i.e., combination of wet and dry slips for existing plus proposed slips).
- A2.1.4. Anchored buoys and temporary pile-supported structures associated with marine events. Upon completion of the event, these structures must be removed and, to the maximum extent practical, the site must be restored to pre-construction elevations. Water depths in the area of marine events must be deep enough to support at least 5 ft of water depth under the keel of a vessel and between the keel of a vessel and ESA-listed coral colonies when transiting to the mooring areas. There is no limit on the number of vessel slips allowed for temporary structures associated marine events such as boat shows.
- A2.1.5. Mooring fields are limited to a maximum of 50 motorized vessels (there is no limit on the number of non-motorized vessels).
- A2.1.6. All pile-supported structures constructed must comply with PDC 2.17 for *Docks or Other Minor Structures Constructed in Florida Under this Opinion* (see below).

The following PDCs apply to all the activities described in PDC A2.1 above:

A2.2. For commercial, multi-family, or public facilities, and marine events, signs must be posted in a visible location(s), alerting users of listed species in the area susceptible to vessel strikes and hook-and-line captures. The most current version of the signs that must be downloaded and sign installation guidance are available at:

(http://sero.nmfs.noaa.gov/protected_resources/section_7/protected_species_educational_signs/index.html). The signs required to be posted by area are stated below:

- A2.2.1. All projects in Florida shall use the Save Sea Turtle, Sawfish, and Dolphin sign. These signs shall include contact information to the sea turtle and marine

- mammal stranding networks and smalltooth sawfish encounter database.
- A2.2.2. Projects within the North Atlantic right whale educational sign zone (as defined in Section 2.1.1.4) shall post the Help Protect North Atlantic Right Whales sign.
 - A2.2.3. On the east coast of Florida, projects located within the St. John's River and those occurring north of the St. Johns River to the Florida-Georgia line shall post the Report Sturgeon sign. On the west coast of Florida, projects occurring from the Cedar Key, Florida north to the Florida-Alabama line.
 - A2.2.4. We are still developing the signs to be used in the U.S. Caribbean. Once developed, those signs will be included at the website above.

A2.3. For commercial, multi-family, or public facilities, monofilament recycling bins must be provided at the docking facility to reduce the risk of turtle or sawfish entanglement in, or ingestion of, marine debris. Monofilament recycling bins must:

- A2.3.1. Be constructed and labeled according to the instructions provided at <http://mrrp.myfwc.com>.
- A2.3.2. Be maintained in working order and emptied frequently (according to <http://mrrp.myfwc.com> standards) so that they do not overflow.

A2.4. For any dock project (new construction, repair, or replacement) at a private residence located within 11 nautical miles of North Atlantic right whale critical habitat (as measured in a radius from the center of the nearest inlet to open ocean and described in Section 2.1.1.4), the property owner will be provided a handout with their USACE permit describing the presence of North Atlantic right whales in the area and the Federal regulations governing the approach to North Atlantic right whales (Appendix C).

A2.5. ATONs and PATONs must be approved by and installed in accordance with the requirements of the USCG (see 33 CFR, chapter I, subchapter C, part 66 and RHA Section 10 and any other pertinent requirements).

A2.6. Chickees must be less than 500 ft² and support no more than 2 slips.

A2.7. No activities associated with municipal or commercial fishing piers are covered under this Opinion.

A2.8. Docks installed within visible distance of ocean beaches are required to comply with turtle-friendly lighting, if lighting is necessary to the project. Turtle-friendly lighting is explained and examples are provided on the Florida Fish and Wildlife Conservation Commission website:
<http://myfwc.com/wildlifehabitats/managed/sea-turtles/lighting/>

A2.9. Project construction will take place from uplands or from floating equipment (e.g., barge); prop or wheel-washing is prohibited.