



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
4400 PGA BOULEVARD, SUITE 500
PALM BEACH GARDENS, FLORIDA 33410

December 2, 2021

Regulatory Division
South Branch
Palm Beach Gardens Section
SAJ-2021-02182 (NW/GP-PRC)

Jerry Wolff
1005 Russell Dr
Highland Beach, FL 33487
Sent via email: kathyc@unlimitedps.net

Dear Mr. Wolff:

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 July 8, 2021. Your application was assigned file number SAJ-2021-02182 (NW/GP-PRC). A review of the information and drawings provided indicates that the proposed work would result in the repair of 300 linear feet of seawall cap, removal of the existing dock and construction of a 125' x 4', 2-slip, multifamily marginal wood dock. The activities subject to this permit are authorized pursuant to authorities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403). The project is located in a residential canal at 1005 Russell Dr, in Section 4, Township 47 South, Range 43 East, Highland Beach, Palm Beach County, Florida (26.395694, -80.069655).

The aspect of your project involving the seawall cap, as depicted on the attached drawings, is authorized by Nationwide Permit 13 (NWP-13), Shoreline Stabilization, 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 the removal of an existing dock and the construction of a 125' x 4' dock, as depicted on the attached drawings, as depicted on the attached drawings, is authorized by Regional General Permit (RGP) SAJ-33 and its subsequent modifications, if applicable. This RGP authorization is valid until March 27, 2023. Please access the Corps' Jacksonville District Regulatory Division Source Book webpage to view the special and general conditions for SAJ-33, 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 Addresses:** 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, Special Projects and Enforcement Branch, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410.

The Permittee shall reference this DA permit number, SAJ-2021-02182(NW/GP-PRC), on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit the Permittee shall submit a completed *Commencement Notification* form (Attachment).

3. Cultural Resources/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 nonfederal 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 Archaeologist 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 Archaeologist and from the Corps.

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. Consent to Easement: A portion of the authorized work may be located within the Federal right-of-way for the Intracoastal Waterway and would require a Department of the Army Consent to Easement. By copy of this permit, the proposal is being forwarded to the Corps' Real Estate Division for action on the Consent to Easement. Failure to obtain the Consent to Easement or waiver invalidates this authorization. The Real Estate Division is responsible for issuing the Consent to Easement. Contact with Real Estate for questions or status updates can be done at Post Office Box 4970, Jacksonville, Florida 32232-0019 or by telephone at 904-570-4514.

6. Federal Channel Setback: The most waterward edge of the authorized project shall be constructed approximately 85.06 feet from the near edge of the federal channel.

7. Notice of Permit: The Permittee shall complete and record the "Notice of Department of the Army Authorization" form (Attachment) with the Clerk of the Circuit Court, Registrar of Deeds or other appropriate official charged with the responsibility of maintaining records of title to or interest in real property within the county of the authorized activity. Within 90 days from the effective date of this permit, the Permittee shall provide a copy of the recorded Notice of Permit to the Corps clearly showing a stamp from the appropriate official indicating the book and page at which the Notice of Permit is recorded and the date of recording.

8. As-Built with X-Y Coordinates: Within 60 days of completion of the authorized work, the Permittee shall submit as-built drawings of the authorized work and a completed As-Built Certification Form (Attachment) to the Corps. The drawings shall be signed and sealed by a surveyor licensed under Florida Statute 472 and include the following:

- a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) on 8½-inch by 11-inch paper. The drawings shall include the X & Y State Plane coordination points of the most waterward point of the structure and a point at the mean high water line (MHWL) or the of the bulkhead/seawall, if present. The drawings shall include: the dimensions of the structure, depth of water (at mean low water) at the waterward end of the structure, and the distance from the waterward end of the structure to the near bottom edge of the channel.

b. Listing of any deviations between the work authorized by this permit and the work as constructed. In the event the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

c. Placement of the Department of the Army Permit number on all sheets submitted.

9. Project Design Criteria (PDCs) for In-Water Activities: The Permittee shall comply with National Marine Fisheries Service's "PDCs for In-Water Activities" dated November 20, 2017 (Attachment).

10. Daylight Hours: All activities must be completed during daylight hours.

11. Construction Location: Project construction shall take place from floating equipment (e.g., barge) or over-water structure; prop or wheel-washing is prohibited.

12. Manatee Conditions: The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" (Attachment).

General Conditions (33 CFR PART 320-330):

1. The time limit for completing the work authorized ends on **March 18, 2022.**

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 include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

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 Patricia Clune at the letterhead address above, or via e-mail at Patricia.R.Clune@usace.army.mil.

Sincerely,

Patricia Clune
Project Manager

Enclosures:

Commencement Notification Form
As-Built Certification Form
Manatee Conditions
NMFS PDCs
Notice of Permit

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant:	File Number: SAJ-2021-02182	Date: 12/02/2021
Attached is:	See Section below	
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/CECW/Pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

Enter PM Contact Information

If you only have questions regarding the appeal process you may also contact:

**Phillip Shannin
Administrative Appeals Review Officer
USACE – South Atlantic Division
60 Forsyth Street SW, Room 10M15
Atlanta, Georgia 30303-8801
Phone: (404) 562-51377**

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.

Date:

Telephone number:

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: SAJ-2021-02182 (NW/GP-PRC)

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)

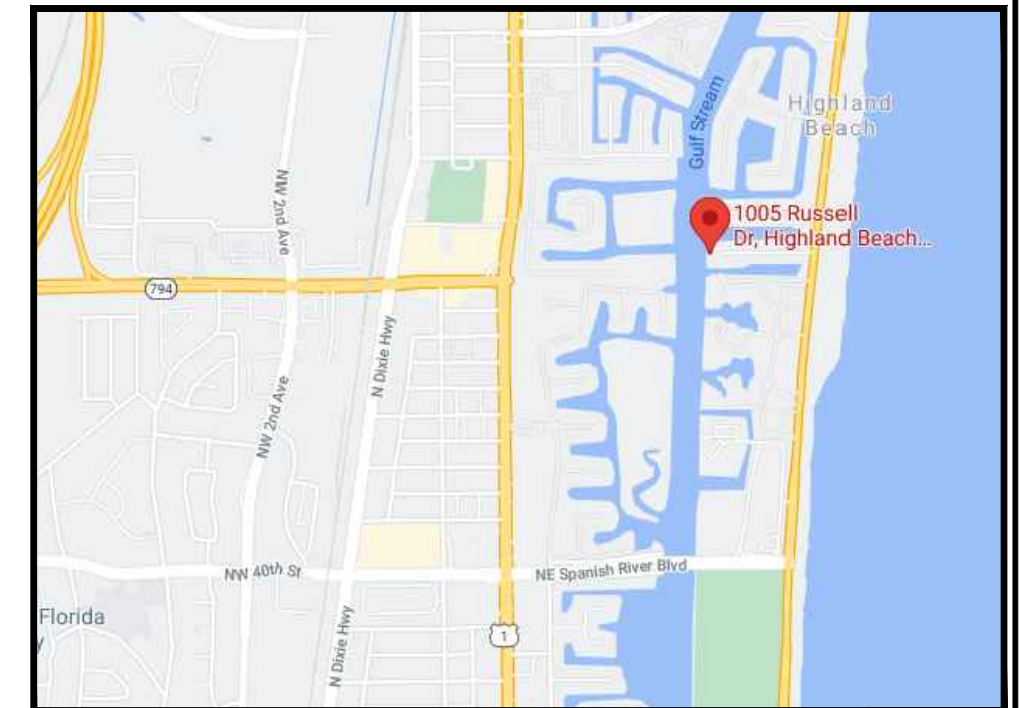
(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

Location Address	1005 RUSSELL DR 4		
Municipality	HIGHLAND BEACH		
Parcel Control Number	24-43-47-04-03-000-0235		
Subdivision	HIGHLAND BEACH ISLES IN		
Official Records Book	06515	Page	0122
Sale Date	JUL-1990		
Legal Description	HIGHLAND BEACH ISLES TH PT OF LTS 23 & 24 AS IN OR3012P612 K/A UNIT 4 OF VILLA DEL ALTO		

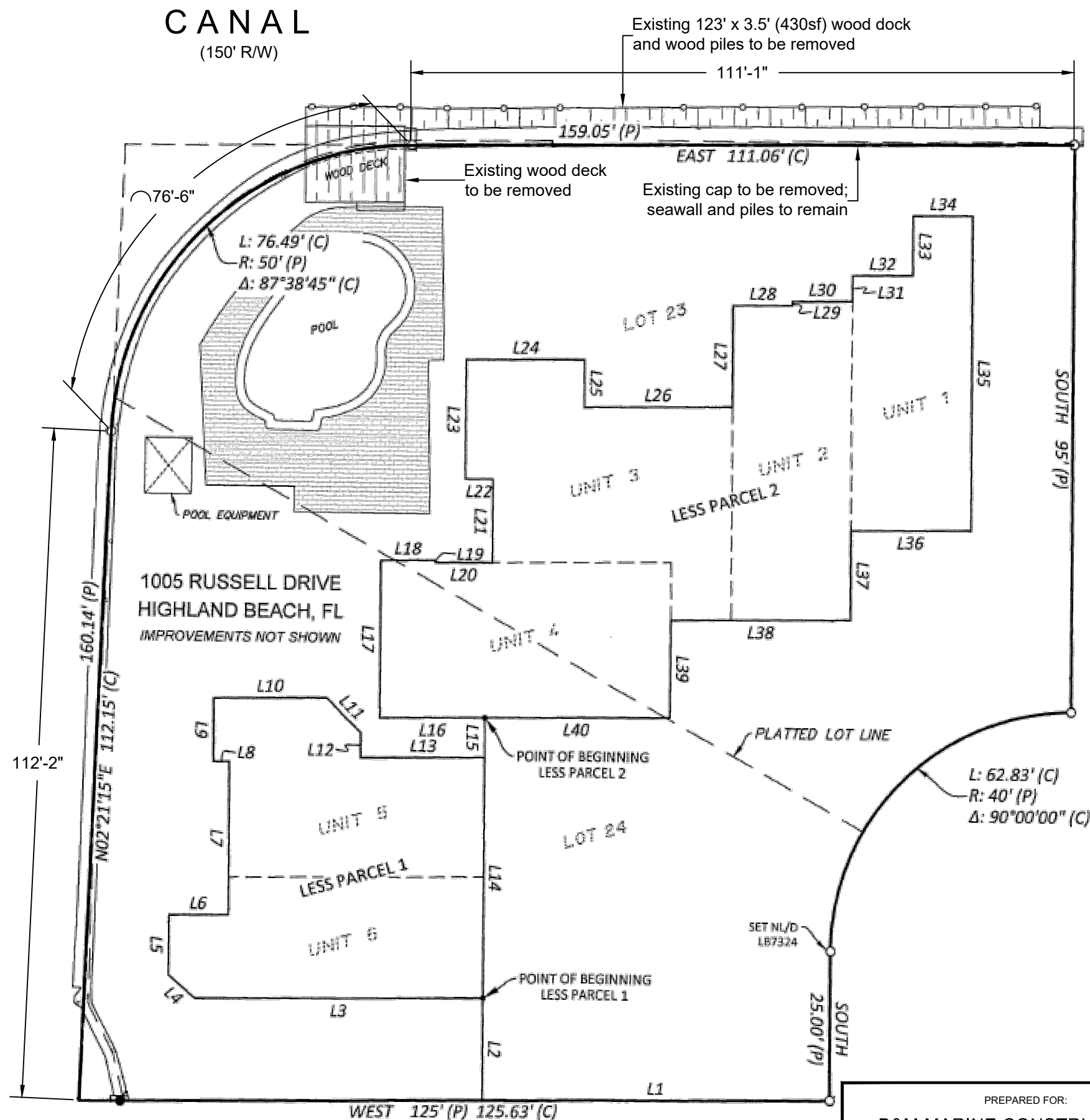


Sheet 1 of 6

Project:
Proposed Dock / Seawall Repair
Jerry Wolff
1005 Rusell Drive
Highland Beach, Florida 33487

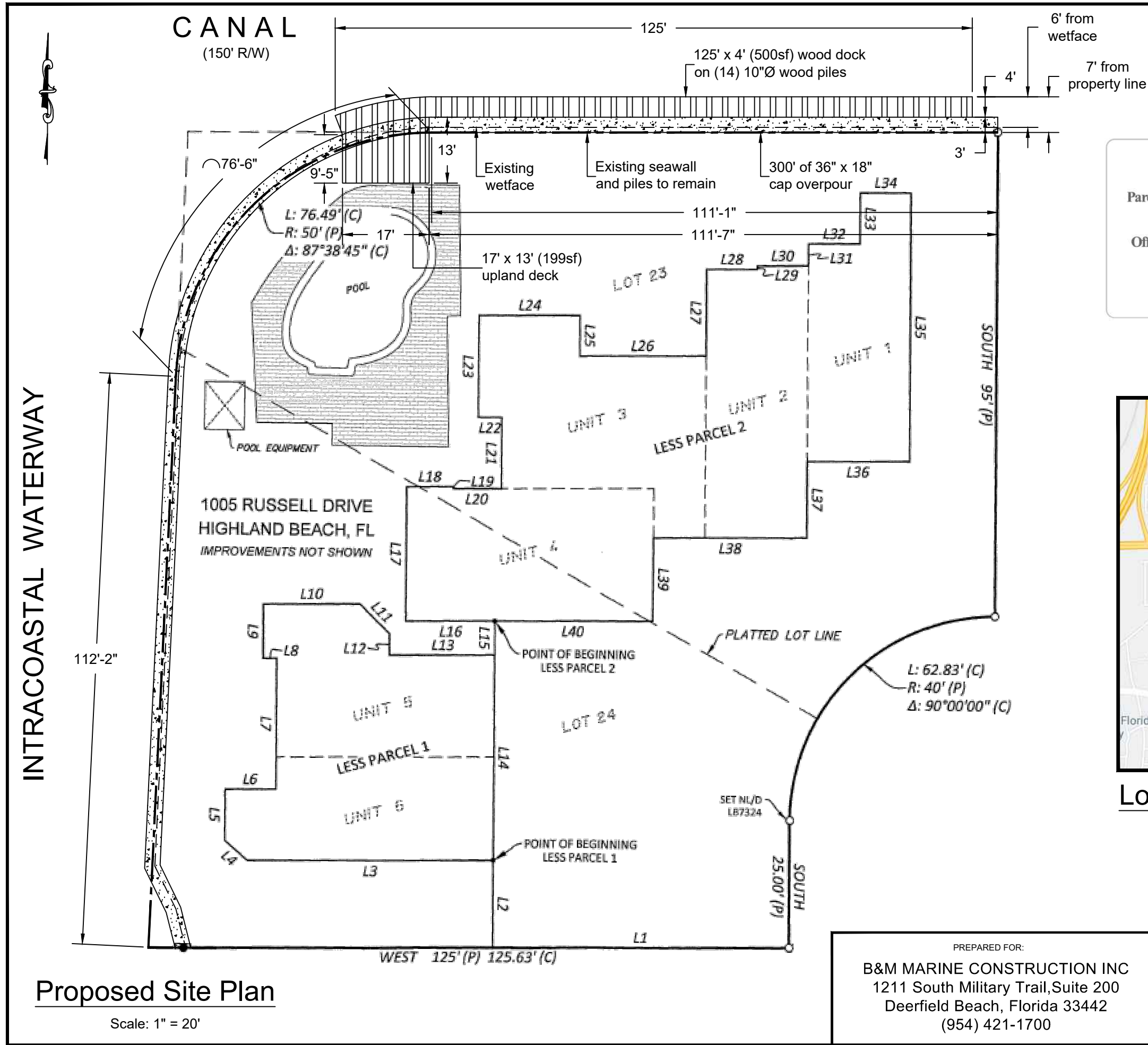
MARK E. WEBER, P.E.
LICENSE #53895 | CA 30702

MW ENGINEERING, INC
902 NE 1 Street Suite #2
Pompano Beach, Florida 33060
Ofc: 754-333-0877
WWW.MwEngineering.net



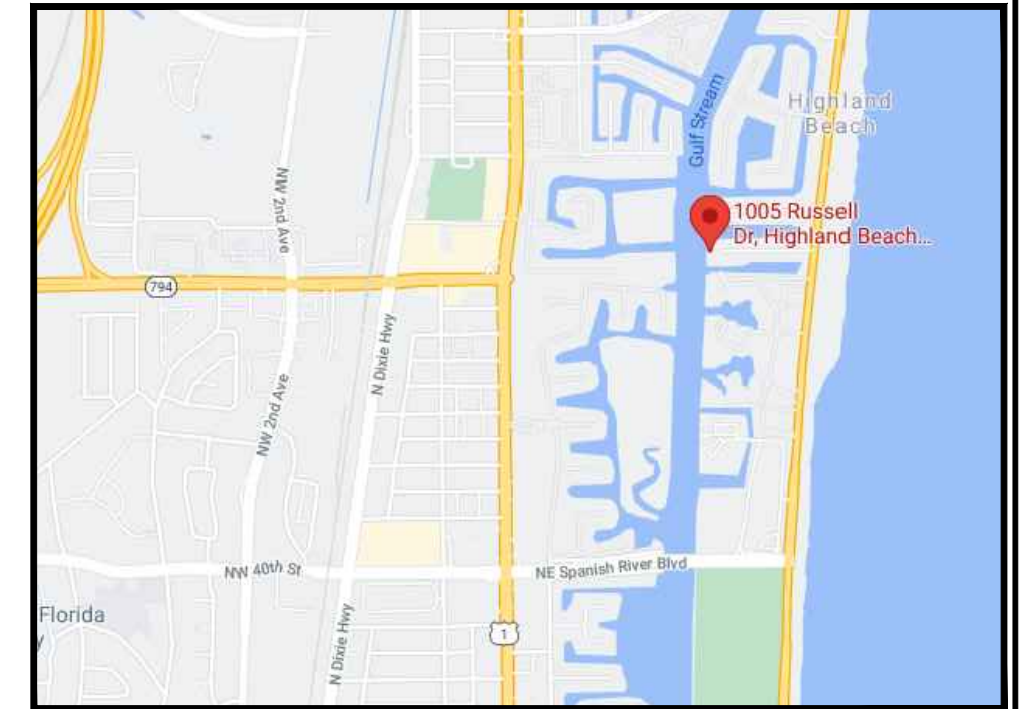
Existing Site Plan

Scale: 1" = 20'



See attached survey supplied by
owner for exact property information.

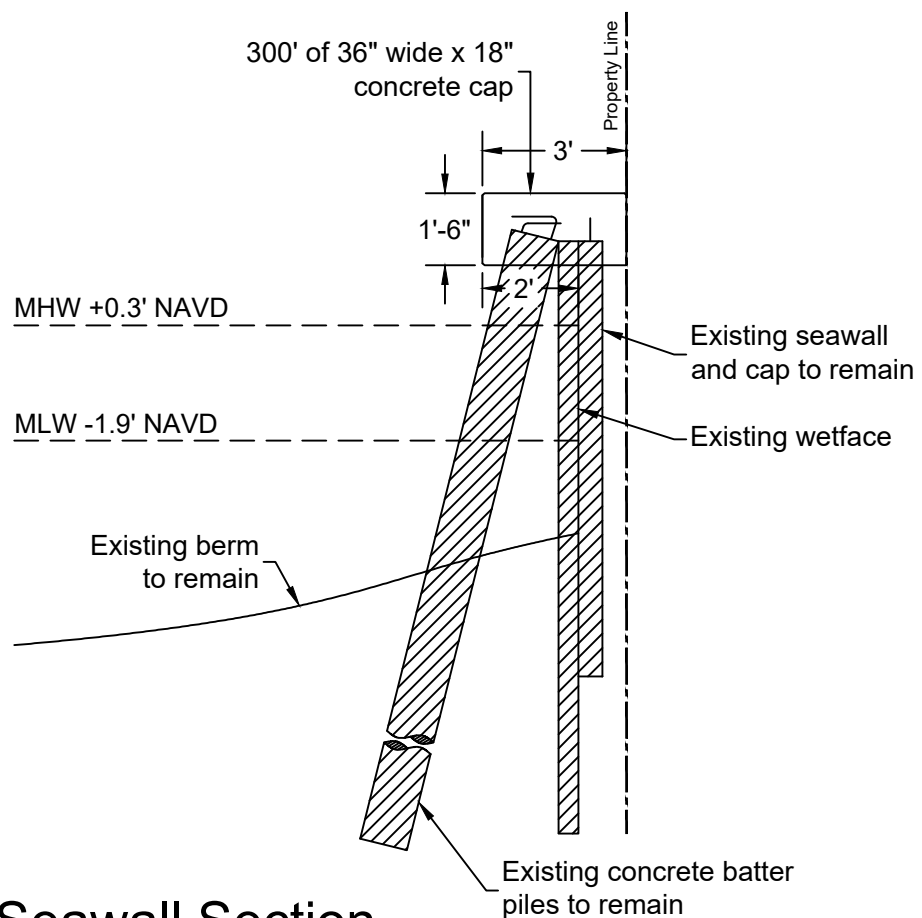
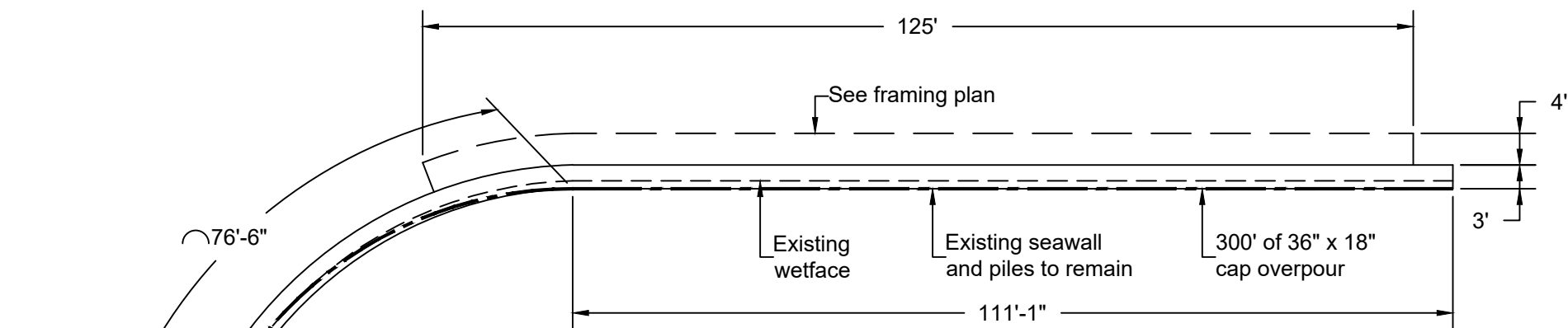
Location Address 1005 RUSSELL DR 4
Municipality HIGHLAND BEACH
Parcel Control Number 24-43-47-04-03-000-0235
Subdivision HIGHLAND BEACH ISLES IN
Official Records Book 06515 Page 0122
Sale Date JUL-1990
Legal Description HIGHLAND BEACH ISLES TH PT OF LTS 23 & 24 AS IN
OR3012P612 K/A UNIT 4 OF VILLA DEL ALTO



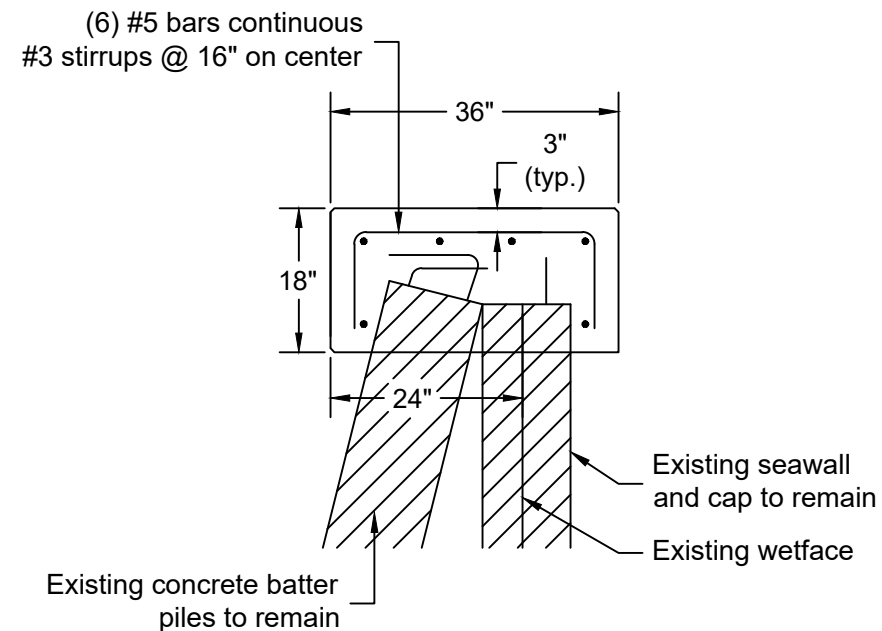
Location Map

<p>PREPARED FOR:</p> <p>B&M MARINE CONSTRUCTION INC 1211 South Military Trail, Suite 200 Deerfield Beach, Florida 33442 (954) 421-1700</p>	<p>Project:</p> <p>Proposed Dock / Seawall Repair Jerry Wolff 1005 Rusell Drive Highland Beach, Florida 33487</p>
---	--

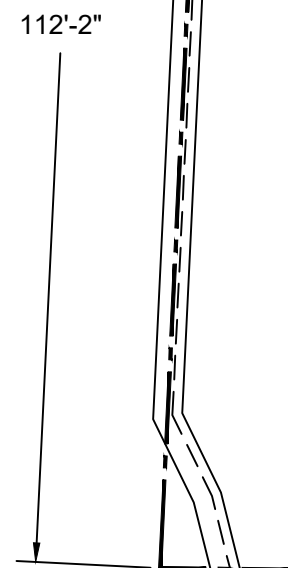
MARK E. WEBER, P.E.
LICENSE #53895 | CA 30702
MW ENGINEERING, INC
902 NE 1 Street Suite #2
Pompano Beach, Florida 33060
Ofc: 754-333-0877
WWW.MwEngineering.net



Seawall Section
Scale 1/4" = 1'-0"



Cap Steel Detail
Scale: 1/2" = 1'-0"



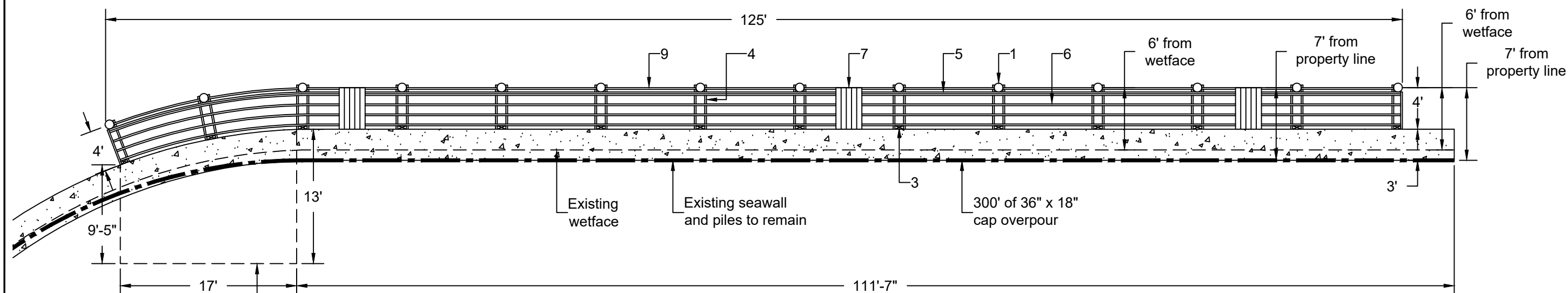
Overall Plan View
Scale 1" = 20'-0"

Sheet 3 of 6

PREPARED FOR:
B&M MARINE CONSTRUCTION INC
1211 South Military Trail, Suite 200
Deerfield Beach, Florida 33442
(954) 421-1700

Project:
Proposed Dock / Seawall Repair
Jerry Wolff
1005 Rusell Drive
Highland Beach, Florida 33487

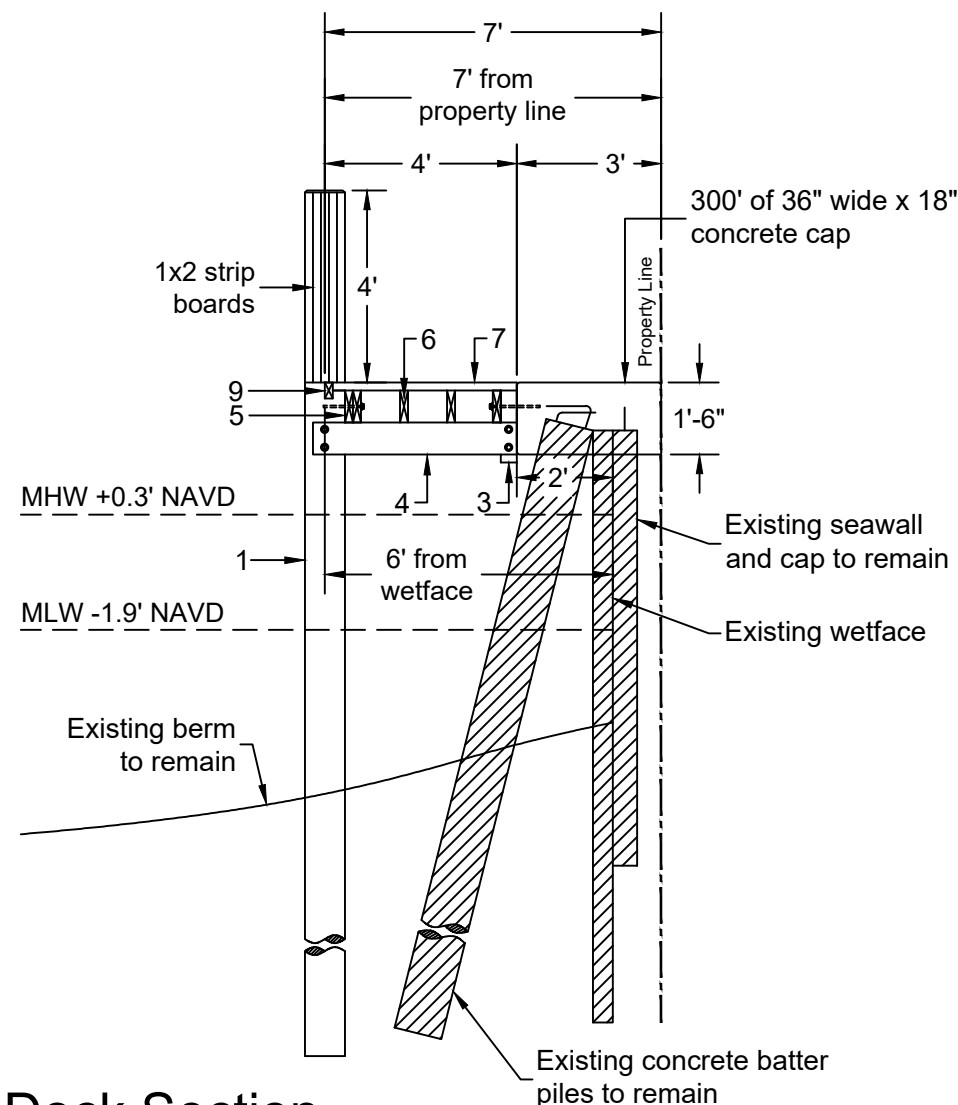
MARK E. WEBER, P.E.
LICENSE #53895 | CA 30702
MW ENGINEERING, INC
902 NE 1 Street Suite #2
Pompano Beach, Florida 33060
Ofc: 754-333-0877
WWW.MwEngineering.net



Overall Plan View

Scale 1" = 10'-0"

See framing plan and section @ sheet "5 of 6"



Dock Section

Scale 1/4" = 1'-0"

DOCK NOTE IDENTIFICATION:

1. New 10"Ø wood piles
2. Not used
3. 4" x 10" hanger to cap with (1) 5/8" wedge anchor, min. 4" embedment
4. 2" x 8" substringer with (2) 5/8" thru bolt or lag bolt @ piles and hangers
5. (2) 2" x 8" stringers @ pilings with (1) 5/8" thru bolt or lag bolt to piles
6. 2" x 8" stringers w/ (2) 16d nails to each substringer; @ 16" o.c. for azek deckboards or 24" o.c. for pressure treated wood deckboards
7. 5/4" x 6" Tan deck "HDPE" with (2) #8 x 3" deck screws per stringer
8. 2" x 8" fascia board
9. 2" x 4" wood trim
10. 2x4 continuous sleepers with 1/2"Ø wedge anchors @ 36" o.c. into new seawall cap, minimum embedment = 4"
11. 4x4 posts set in 18"Ø x 24" deep earth formed with redi mix type concrete
12. 2" x 6" joists with (1) 5/8" thru bolt or lag bolt @ 4x4 posts

Sheet 4 of 6

PREPARED FOR:

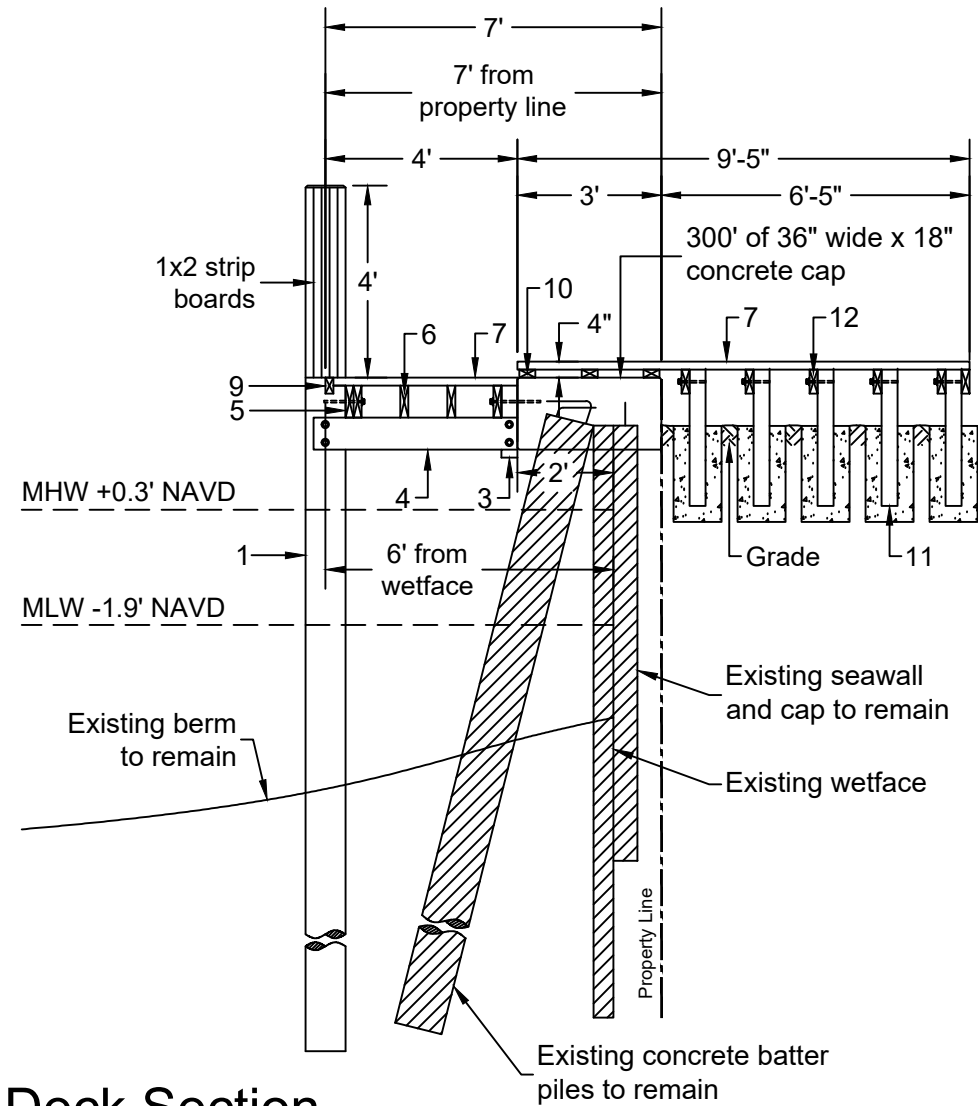
B&M MARINE CONSTRUCTION INC
1211 South Military Trail, Suite 200
Deerfield Beach, Florida 33442
(954) 421-1700

Project:

Proposed Dock / Seawall Repair
Jerry Wolff
1005 Rusell Drive
Highland Beach, Florida 33487

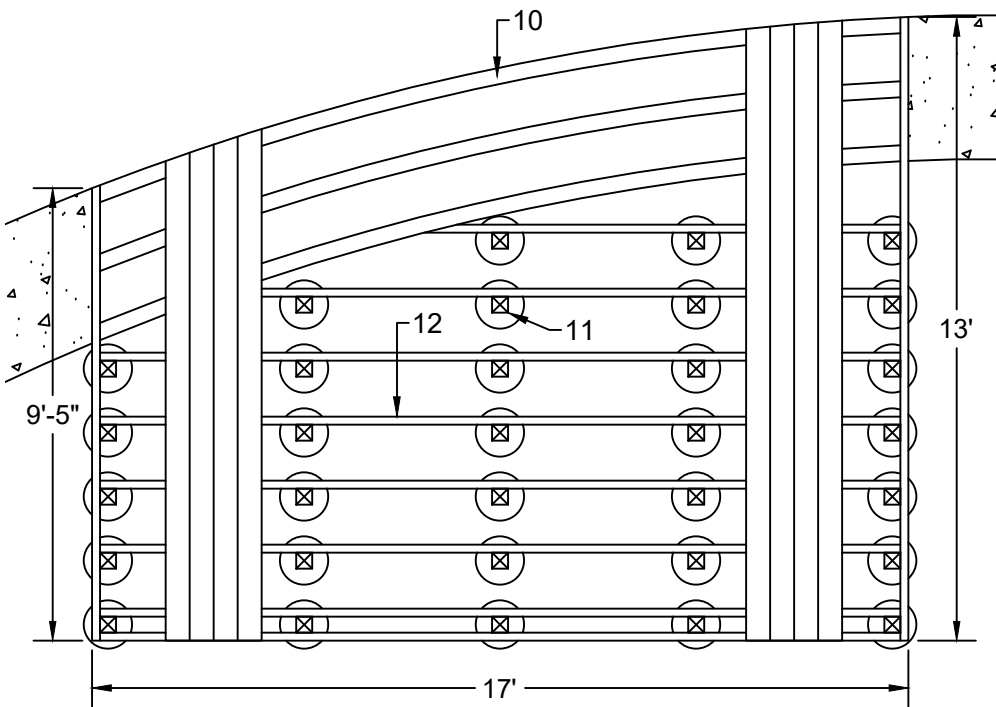
MARK E. WEBER, P.E.
LICENSE #53895 | CA 30702

MW ENGINEERING, INC
902 NE 1 Street Suite #2
Pompano Beach, Florida 33060
Ofc: 754-333-0877
WWW.MwEngineering.net



Deck Section

Scale 1/4"= 1'-0"



Deck Framing Plan

Scale 1/4"= 1'-0"

DOCK NOTE IDENTIFICATION:

1. New 10"Ø wood piles
2. Not used
3. 4" x 10" hanger to cap with (1) 5/8" wedge anchor, min. 4" embedment
4. 2" x 8" substringer with (2) 5/8" thru bolt or lag bolt @ piles and hangers
5. (2) 2" x 8" stringers @ pilings with (1) 5/8" thru bolt or lag bolt to piles
6. 2" x 8" stringers w/ (2) 16d nails to each substringer; @ 16"o.c. for azek deckboards or 24"o.c.. for pressure treated wood deckboards
7. 5/4" x 6" Tan deck "HDPE" with (2) #8 x 3" deck screws per stringer
8. 2" x 8" fascia board
9. 2" x 4" wood trim
10. 2x4 continuous sleepers with 1/2"Ø wedge anchors @ 36" o.c. into new seawall cap, minimum embedment = 4"
11. 4x4 posts set in 18"Ø x 24" deep earth formed with redi mix type concrete
12. 2" x 6" joists with (1) 5/8" thru bolt or lag bolt @ 4x4 posts

Sheet 5 of 6

PREPARED FOR:

B&M MARINE CONSTRUCTION INC
1211 South Military Trail,Suite 200
Deerfield Beach, Florida 33442
(954) 421-1700

Project:
Proposed Dock / Seawall Repair
Jerry Wolff
1005 Rusell Drive
Highland Beach, Florida 33487

MARK E. WEBER, P.E.
LICENSE #53895 | CA 30702
MW ENGINEERING, INC
902 NE 1 Street Suite #2
Pompano Beach, Florida 33060
Ofc: 754-333-0877
WWW.MwEngineering.net

GENERAL NOTES:

- Construction to follow the Florida Building Code 7th Edition (2020) and amendments as applicable and all Local, State and Federal Laws.
- Licensed contractor shall verify the existing conditions prior to the commencement of the work. Any conflicts or omissions between existing conditions or the various elements of the working drawing shall be brought to the attention of the Engineer prior to the commencement of the work. The Licensed Contractor and all subcontractors are responsible for all lines, elevations, and measurements in connection with their work.
- Do not scale drawings for dimensions.
- Any deviation and/or substitution from the information provided herein shall be submitted to the Engineer for approval prior to commencement of work.
- All unanticipated or unforeseen demolition and/or new construction conditions which require deviation from the plans and notes herein shall be reported to the Engineer prior to commencement of work.
- All new work and/or materials shall conform to all requirements of each administrative body having jurisdiction in each appertaining circumstance.
- 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 to shall use all possible care to protect all existing materials, surfaces, and furnishings from damage during all phases of construction.
- Licensed Contractor to verify location of existing utilities prior to commencing work.
- The Licensed contractor to install and remove all shoring and bracing as required for the proper execution of the work.
- Licensed Contractor to obtain all permits as necessary from all Local, State, and Federal agencies.
- Turbidity barriers to be marked with site contractor's company name using permanent markings no smaller than 3 inches in height on the top of the barrier.

PILE DRIVING:

- Piles shall be driven using an approved cushion block consisting of material so arranged so as to provide the transmission of hammer energy.
- Piles shall be driven to required capacity (min. 10 tons) a minimum of 8' into berm or refusal.
- Piles shall be driven with a drop hammer or gravity hammer provided the hammer shall weight no less than 3,000 pounds, and the fall of the hammer shall not exceed 6'.
- Piles shall be driven with a variation of not more than $\frac{1}{4}$ inch per foot from the vertical, or from the batter line indicated, with a maximum variation of the head of the pile from the position shown on the plans of not more than three inches.
- Where piling must penetrate strata offering high resistance to driving, the structural engineer of record or special inspector may require that the piles be set in pre-drilled or punched holes. The piles shall reach their final penetration by driving.

CONCRETE NOTES:

- Concrete shall conform to ACI 318-14 and shall be regular weight, sulfate resistant, with a design strength of 5000 psi at 28 days with a maximum water-cementitious materials ratio, by 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 with 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 the 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 with ACI 315 and ACI Manual of Standard Practice.
- Splices in reinforcing bars shall be 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.
- Defective, cracked or loose concrete areas must be cut out, the rebar must be cleaned, coated with zinc and repaired with at least 3" of expoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

PILE NOTES:

- Wood piles to be 2.5 lb. CCA treated in accordance with AWWPA standard C18.
- Wood piles shall be a minimum diameter of 10", Miami Dade County requires minimum diameter of 12".
- Concrete piles shall attain 6000 psi compressive strength in 28 days.
- Concrete piles shall be reinforced with four - $\frac{7}{16}$ "Ø lo-lax strands, 270 kips, and 5 ga. spiral ties.
- Concrete piles shall be 12"x12" square, minimum length of 20'.
- Concrete piles shall be cut to leave strands exposed a min. of 18" and tied to dock or cap steel or drill and epoxy (2) #5 8"x12" hook bars 6" into pile.

WOOD DOCK NOTES:

- All materials to be pressure treated pine unless otherwise noted.
- All frame work materials to be Southern Pine Grade #1
- All Decking materials to be grade #1 unless otherwise noted.
- All hardware to be Stainless Steel or Galvanized unless otherwise noted.

**U.S. Army Corps of Engineers Jacksonville District's Programmatic Biological
Opinion (JaxBO) Project Design Criteria (PDCs) for In-Water Activities**

November 20, 2017

- 1) **(AP.7.) Education and Observation:** The permittee must ensure that all personnel associated with the project are instructed about the potential presence of species protected under the 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 ESA-listed species or marine mammals. To determine which species may be found in the project area, please review the relevant Protected Species List at:
http://sero.nmfs.noaa.gov/protected_resources/section_7/threatened_endangered/index.html
- 2) **(AP.8.) Reporting** of interactions with protected species:
 - a) Any collision(s) with and/or injury to any sea turtle, sawfish, whale, or sturgeon occurring during the construction of a project, shall be reported immediately to NMFS's Protected Resources Division (PRD) at (1-727-824-5312) or by email to takereport.nmfs@noaa.gov and SAJ-RD-Enforcement@usace.army.mil.
 - b) Smalltooth sawfish: Report sightings to 1-844-SAWFISH or email Sawfish@MyFWC.com
 - c) Sturgeon: Report dead sturgeon to 1-844-STURG 911 (1-844-788-7491) or email nmfs.ser.sturgeonnetwork@noaa.gov
 - d) Sea turtles and marine mammals: Report stranded, injured, or dead animals to 1-877-WHALE HELP (1-877-942-5343).
 - e) North Atlantic right whale: Report injured, dead, or entangled right whales to the USCG via VHF Channel 16.
- 3) **(AP.9.) Vessel Traffic and Construction Equipment:** All vessel operators must watch for and avoid collision with species protected under the ESA and MMPA. Vessel operators must avoid potential interactions with protected species and operate in accordance with the following protective measures:
 - a) *Construction Equipment:*
 - i) All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while operating in water depths where the draft of the vessel provides less than a 4-foot (ft) clearance from the bottom, and in all depths after a protected species has been observed in and has departed the area.
 - ii) All vessels will follow marked channels and/or routes using the maximum water depth whenever possible.
 - iii) Operation of any mechanical construction equipment, including vessels, shall cease immediately if a listed species is observed within a 50-ft radius of

construction equipment and shall not resume until the species has departed the area of its own volition.

- iv) If the detection of species is not possible during certain weather conditions (e.g., fog, rain, wind), then in-water operations will cease until weather conditions improve and detection is again feasible.

b) *All Vessels:*

- i) Sea turtles: Maintain a minimum distance of 150 ft.
- ii) North Atlantic right whale: Maintain a minimum 1,500-ft distance (500 yards).
- iii) Vessels 65 ft in length or longer must comply with the Right Whale Ship Strike Reduction Rule (50 CFR 224.105) which includes reducing speeds to 10 knots or less in Seasonal Management Areas (<http://www.fisheries.noaa.gov/pr/shipstrike/>).
- iv) Mariners shall check various communication media for general information regarding avoiding ship strikes and specific information regarding right whale sightings in the area. These include NOAA weather radio, USCG NAVTEX broadcasts, and Notices to Mariners.
- v) Marine mammals (i.e., dolphins, whales [other than North Atlantic right whales], and porpoises): Maintain a minimum distance of 300 ft.
- vi) When these animals are sighted while the vessel is underway (e.g., bow-riding), attempt to remain parallel to the animal's course. Avoid excessive speed or abrupt changes in direction until they have left the area.
- vii) Reduce speed to 10 knots or less when mother/calf pairs or groups of marine mammals are observed, when safety permits.

- 4) **(AP.10.) Turbidity Control Measures during Construction:** Turbidity must be monitored and controlled. Prior to initiating any of the work covered under this Opinion, the Permittee shall install turbidity curtains as described below. In some instances, the use of turbidity curtains may be waived by the USACE project manager if the project is deemed too minimal to generate turbidity (e.g., certain ATON installation, scientific survey device placement, marine debris removal) or if the current is too strong for the curtains to stay in place. Turbidity curtains specifications:

- a) Install floating turbidity barriers with weighted skirts that extend to within 1 ft of the bottom around all work areas that are in, or adjacent to, surface waters.
- b) Use these turbidity barriers throughout construction to control erosion and siltation and ensure that turbidity levels within the project area do not exceed background conditions.
- c) Position turbidity barriers in a way that does not block species' entry to or exit from designated critical habitat.
- d) Monitor and maintain turbidity barriers in place until the authorized work has been completed and the water quality in the project area has returned to background conditions.
- e) In the range of ESA-listed corals (St. Lucie Inlet, Martin County south to the Dry Tortugas and the U.S. Caribbean) and Johnson's seagrass (Turkey Creek/Palm

Bay south to central Biscayne Bay in the lagoon systems on the east coast of Florida):

- i) Projects that include upland earth moving (e.g., grading to install a building or parking lot associated with a dock and seawall project), must install sediment control barriers to prevent any upland sediments from reaching estuarine or marine waters.
 - ii) The turbidity curtain requirement cannot be waived for any project that moves or removes sediment (e.g., dredging, auger to create a pile, trenching to install a cableline). If turbidity curtains are not feasible in an area based on site conditions such as water current, high wave action, or stormy conditions, the project must undergo individual Section 7 consultation and is not covered under this Programmatic Opinion.
- 5) **(AP.11.) Entanglement:** All turbidity curtains and other in-water equipment must be properly secured with materials that reduce the risk of entanglement of marine species (described below). Turbidity curtains likewise must be made of materials that reduce the risk of entanglement of marine species.
- a) In-water lines (rope, chain, and cable, including the lines to secure turbidity curtains) must 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, must 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 is allowed in the water.
 - b) Turbidity curtains and other in-water equipment must be placed in a manner that does not entrap species within the construction area or block access for them to navigate around the construction area.

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

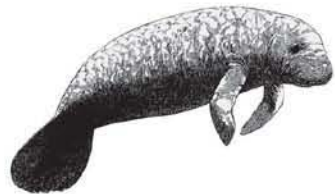
All project vessels

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

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019. For electronic mail saj-rd-enforcement@usace.army.mil (not to exceed 15 MB). If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-3697.

1. Department of the Army Permit Number: SAJ- - (-)

2. Permittee Information:

Name: _____

Address: _____

3. Project Site Identification (physical location/address):

4. As-Built Certification: I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled, and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer

Name (*Please type*)

(FL, PR, or VI) Reg. Number

Company Name

City

State

ZIP

(Affix Seal)

Date

Telephone Number

Date Work Started:_____ Date Work Completed:_____

Identify any deviations from the approved permit drawings and/or special conditions (attach additional pages if necessary):

COMMENCEMENT NOTIFICATION

*Within 10 days of initiating the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number:** SAJ- - (-)

2. **Permittee Information:**

Name: _____

Email: _____

Address: _____

Phone: _____

3. **Construction Start Date:** _____

4. **Contact to Schedule Inspection:**

Name: _____

Email: _____

Phone: _____

Signature of Permittee

Printed Name of Permittee

Date

Prepared by:

Permittee: _____

Address: _____

Phone: _____

NOTICE OF DEPARTMENT OF THE ARMY AUTHORIZATION

TAKE NOTICE the United States Army Corps of Engineers (Corps) has issued a permit or verification SAJ- - to (Permittee) on , , authorizing work in navigable waters of the United States in accordance with Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C 403) on a parcel of land known as Folio/Parcel ID: _____ located at address, in Section , Township south or north, Range east or west, City, county name County, Florida.

Within 30 days of any transfer of interest or control of said property, the Permittee must notify the Corps in writing of the property transfer by submitting the completed permit transfer page included with the issued permit or verification. The subject permit or verification concerns only that portion of the property determined to fall within the jurisdiction of the Corps and this notice is applicable only to those portions of the subject property in, over, under, or affecting navigable waters of the United States.

Conditions of the Permit/Verification: The permit or verification is subject to General Conditions and Special Conditions which may affect the use of the work authorized in name of waterbody. Accordingly, interested parties should closely examine the entire permit or verification, all associated applications, and any subsequent modifications.

To obtain a copy of the authorization in its entirety submit a written request to:
U.S. Army Corps of Engineers
Regulatory Division - Special Projects & Enforcement Branch
Post Office Box 4970
Jacksonville, Florida 32232-0019

Questions regarding compliance with these conditions should be directed to:
U.S. Army Corps of Engineers
Enforcement Section
Post Office Box 4970
Jacksonville, Florida 32232-0019

Conflict Between Notice and Permit

This Notice of Authorization is not a complete summary of the issued permit or verification. Provisions in this Notice of Permit shall not be used in interpreting the permit or verification provisions. In the event of conflict between this Notice of Permit and the permit or verification, the permit or verification shall control.

This Notice is Not an Encumbrance

This Notice is for informational purposes only. It is not intended to be a lien, encumbrance, or cloud on the title of the premises.

Release

This Notice may not be released or removed from the public records without the prior written consent of the Corps.

This Notice of Authorization is executed on this _____ day of _____, _____. This document is being submitted for recordation in the Public Records of _____ County, Florida as part of the requirement imposed by the authorization SAJ- _____ - _____ issued by Corps.

Permittee:

Address:

Phone: _____

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____, who is personally known to me or has produced _____ as identification.

Notary Public

(seal)

Print

My Commission Expires _____