

# CYPRESS CREEK CANAL

Site Address	771 SE 7 AVENUE, POMPANO BEACH FL 33060	ID #	4942 01 26 0310
Property Owner	MARCOS, MORGAN MARCOS, YARIXA	Millage	1511
Mailing Address	5056 NW 95 DR CORAL SPRINGS FL 33076	Use	01-01
Abbreviated Legal Description	CYPRESS LAKE SEC 4 49-10 B LOT 19 BLK 3		

**Consultant**  
**UNLIMITED PERMIT SERVICES, INC**  
 Marine Design & Consulting  
 902 NE 1st Street #2  
 Pompano Beach, FL 33060  
 (954) 532-0129  
 Office@unlimitedps.net

See attached survey supplied by owner for exact property information.  
 No tree will be removed or replanted as part of this permit

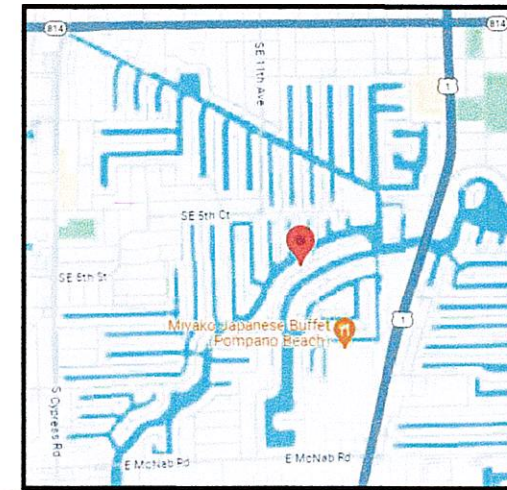
**Project Engineer**  
**MW ENGINEERING, INC**  
 902 NE 1 Street Suite #2  
 Pompano Beach, FL 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net

**Contractor**  
**RAY QUALMANN MARINE CONSTRUCTION, INC**  
 2860 NE 16 Street  
 Pompano Beach, FL 33062  
 (954) 941-0132

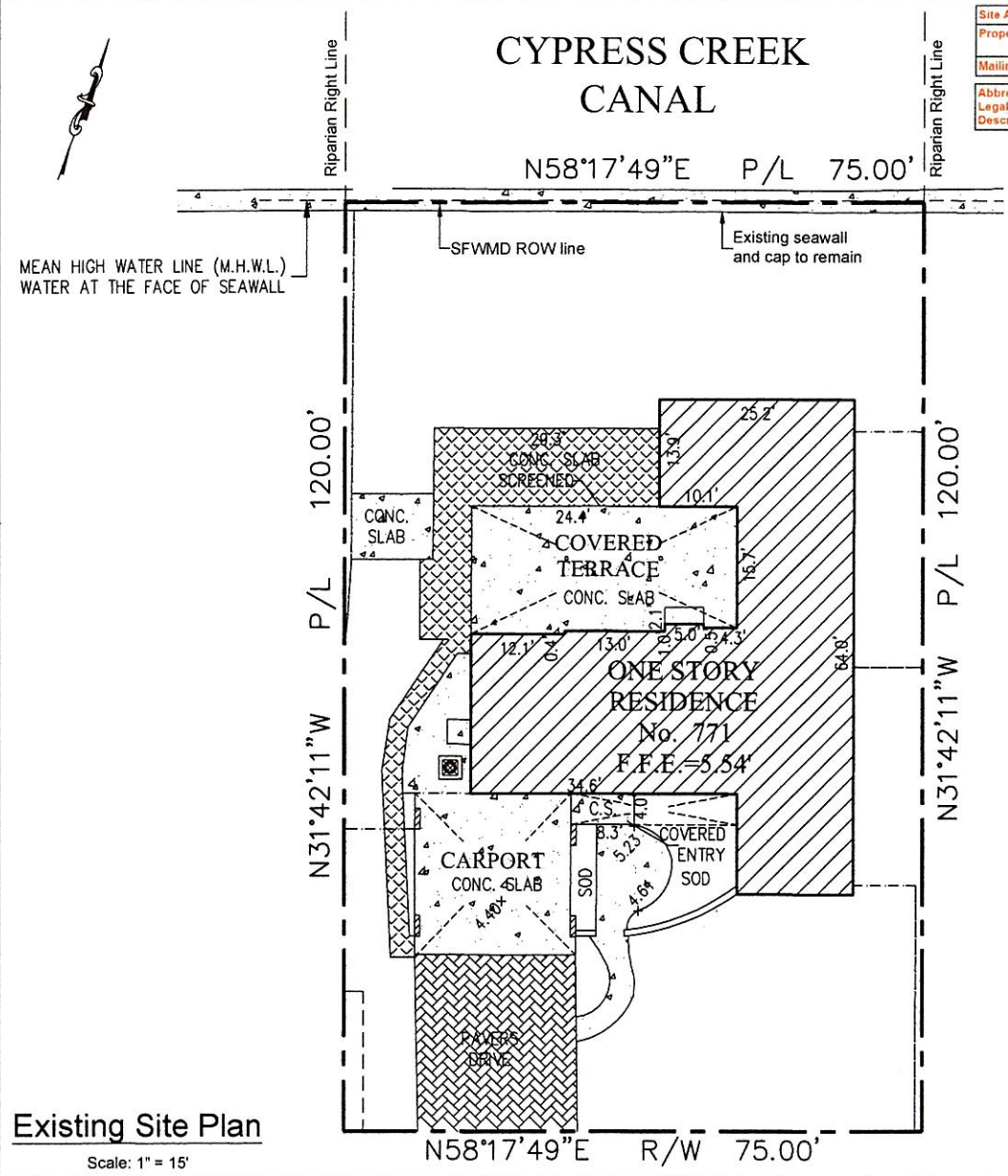
**Project Information**  
**Seawall Repair / New Dock / New Boat Lift**  
 Morgan Marcos  
 771 SE 7 Avenue  
 Pompano Beach, FL 33060

DATE
2-28-24
3-19-24
4-12-24

## Location Map



Digitally signed by Mark E Weber  
 Date: 2024.06.17 14:20:32 -04'00'  
  
 MARK E. WEBER, P.E.  
 LICENSE #53895 | CA 30702  
 MW ENGINEERING, INC  
 902 NE 1 Street Suite #2  
 Pompano Beach, Florida 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net



**Existing Site Plan**  
 Scale: 1" = 15'

# CYPRESS CREEK CANAL

**Consultant**  
**UNLIMITED PERMIT SERVICES, INC**  
 Marine Design & Consulting  
 902 NE 1st Street #2  
 Pompano Beach, FL 33060  
 (954) 532-0129  
 Office@unlimiteddps.net

**Project Engineer**  
**MW ENGINEERING, INC**  
 902 NE 1 Street Suite #2  
 Pompano Beach, FL 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net

**Contractor**  
**RAY QUALMANN MARINE CONSTRUCTION, INC**  
 2860 NE 16 Street  
 Pompano Beach, FL 33062  
 (954) 941-0132

**Project Information**  
**Seawall Repair / New Dock / New Boat Lift**  
 Morgan Marcos  
 771 SE 7 Avenue  
 Pompano Beach, FL 33060

DATE
2-28-24
3-19-24
4-12-24

Digitally signed by  
**Mark E Weber**  
 Date:  
 2024.07.09  
 15:43:32  
 -04'00'

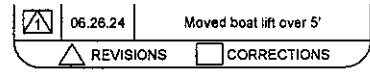
MARK E. WEBER, P.E.  
 LICENSE #53895 | CA 30702  
 MW ENGINEERING, INC  
 902 NE 1 Street Suite #2  
 Pompano Beach, Florida 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net

**NOTE: 1**  
 Boat to maintain 5' side yard set back when on boatlift

MEAN HIGH WATER LINE (M.H.W.L.)  
 WATER AT THE FACE OF SEAWALL

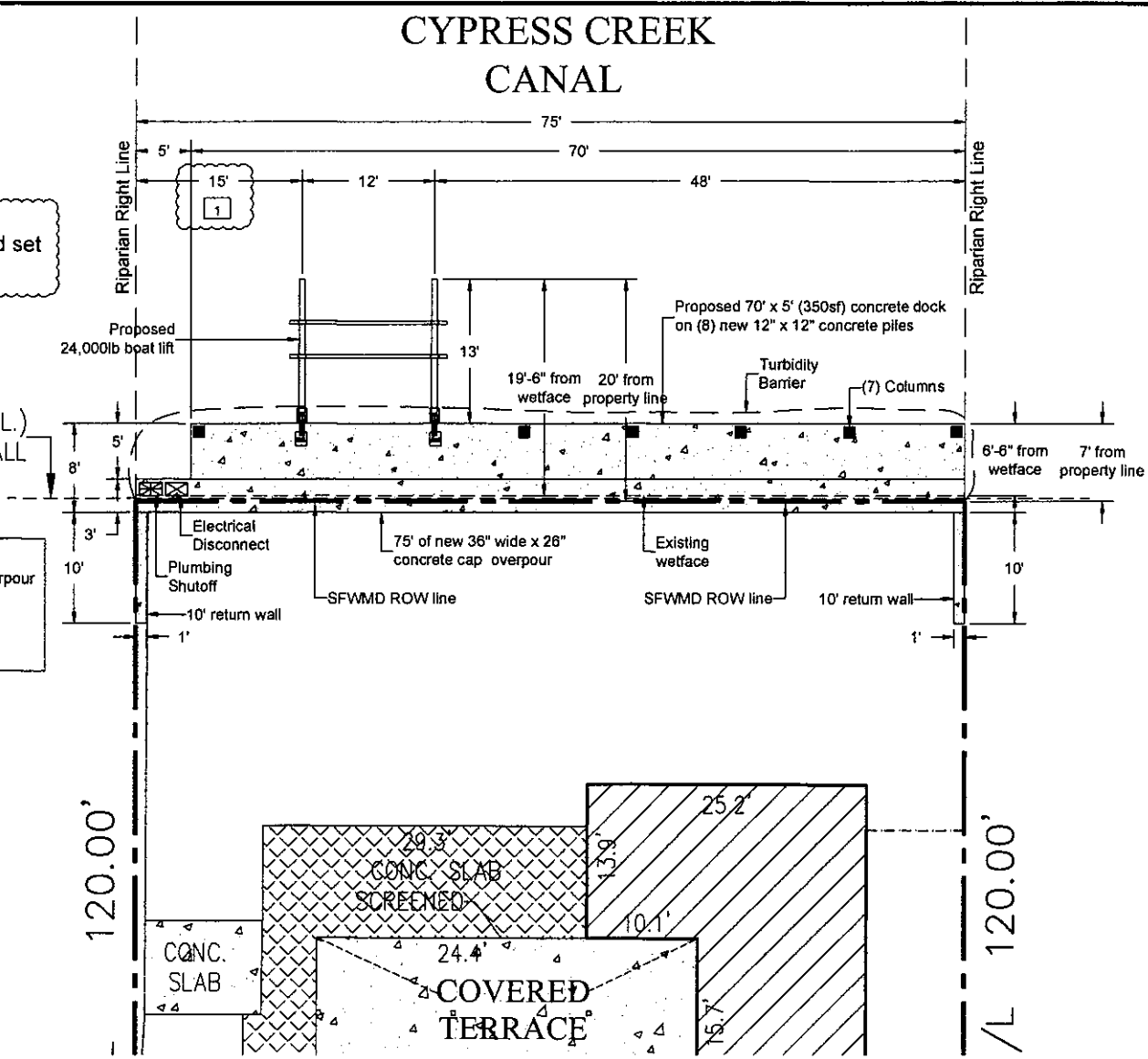
- Scope of Work:**
1. Construct 75' of 36" x 26" concrete cap overpour
  2. Install 70' x 5' (350sf) concrete dock on (8) concrete piles
  3. Install (2) 10' return walls
  4. Install 24,000lb boat lift

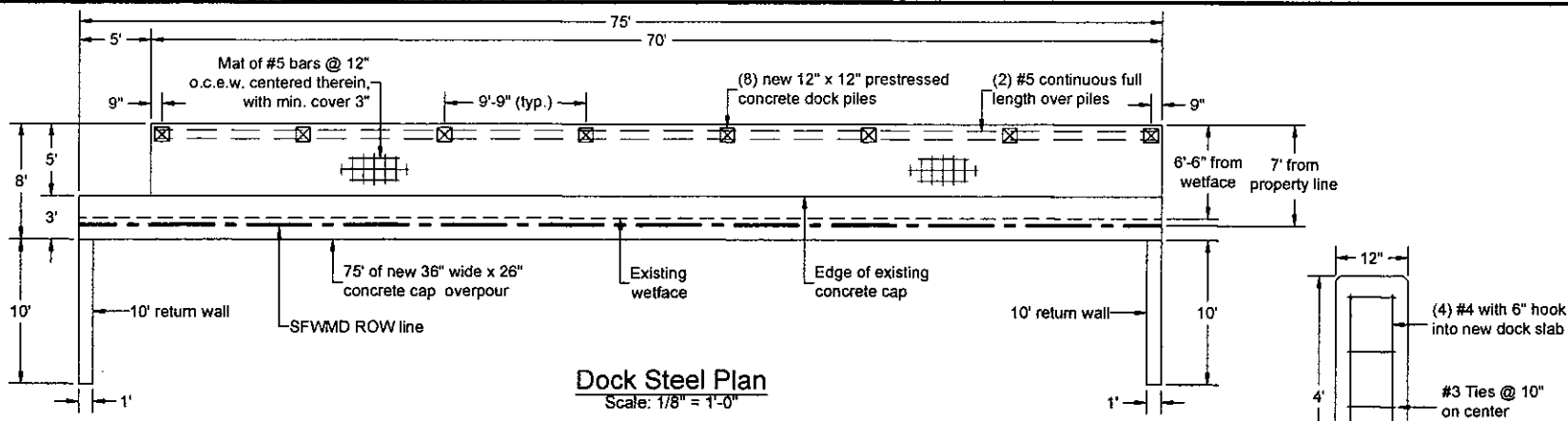
**N.E.C. 555.24 Signage. Permanent safety signs shall be installed to give notice of electrical shock hazard risks to persons using or swimming near a boat dock or marina.**



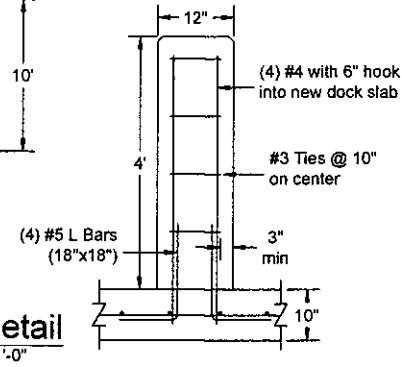
## Proposed Site Plan

Scale: 1" = 10'

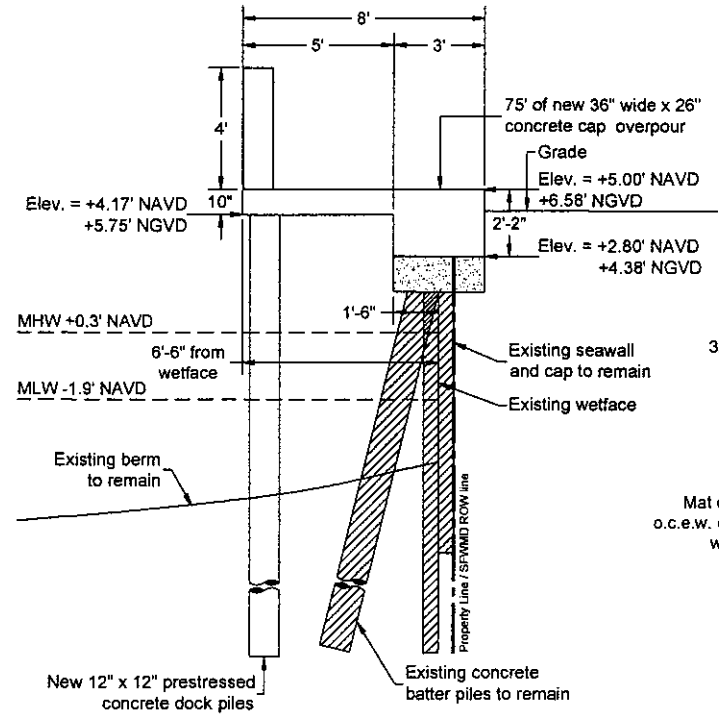




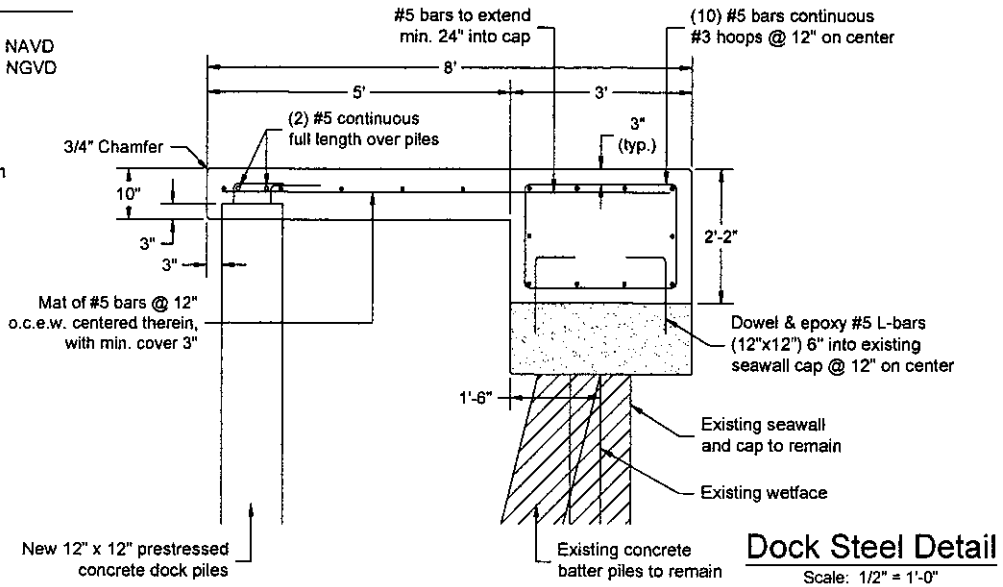
**Dock Steel Plan**  
Scale: 1/8" = 1'-0"




**Column Detail**  
Scale: 1/4" = 1'-0"

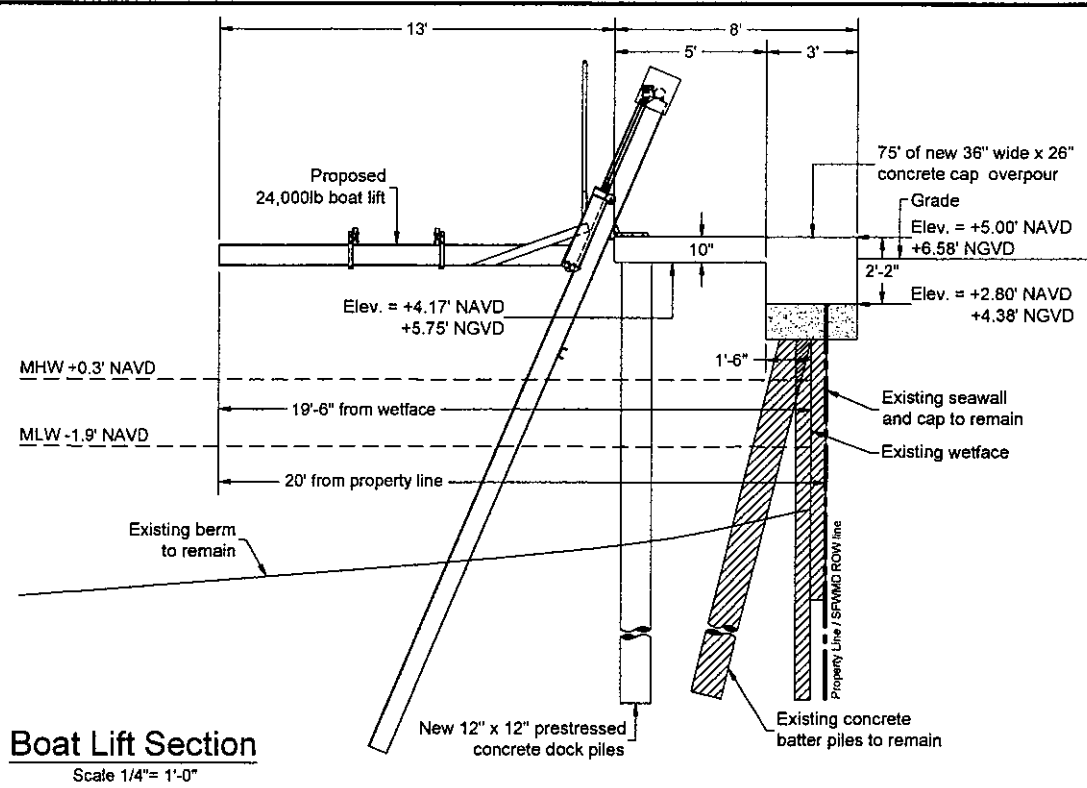


**Dock Section**  
Scale 1/4" = 1'-0"

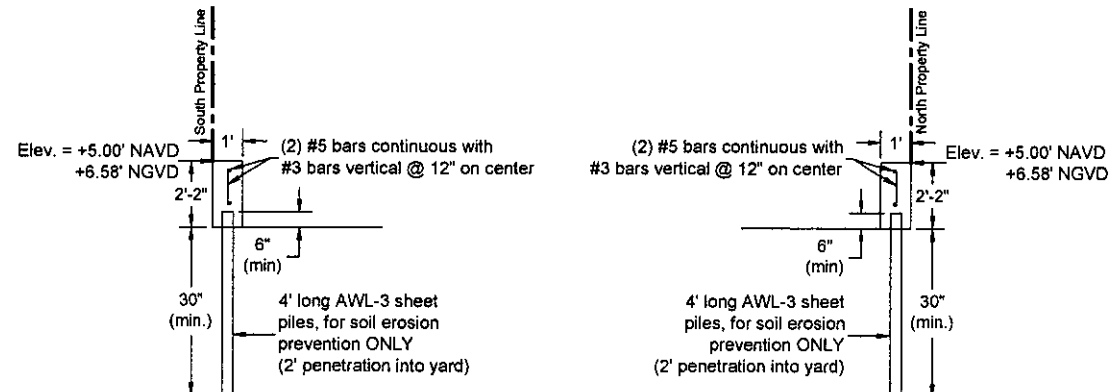


**Dock Steel Detail**  
Scale: 1/2" = 1'-0"

<p><b>Consultant</b>  <b>UNLIMITED PERMIT SERVICES, INC</b>          Marine Design &amp; Consulting          902 NE 1st Street #2          Pompano Beach, FL 33060          (954) 532-0129          Office@unlimitedps.net</p>
<p><b>Project Engineer</b>  <b>MW ENGINEERING, INC</b>          902 NE 1 Street Suite #2          Pompano Beach, FL 33060          Ofc: 954-532-0129          WWW.MwEngineering.net</p>
<p><b>Contractor</b>  <b>RAY QUALMANN MARINE CONSTRUCTION, INC</b>          2860 NE 16 Street          Pompano Beach, FL 33062          (954) 941-0132</p>
<p><b>Project Information</b>  <b>Seawall Repair / New Dock / New Boat Lift</b>          Morgan Marcos          771 SE 7 Avenue          Pompano Beach, FL 33060</p>
<p>DATE</p>
<p>2-28-24</p>
<p>3-19-24</p>
<p>4-12-24</p>
<p>Digitally signed by Mark E Weber          Date: 2024.06.17 14:22:01 -04'00'</p>
<p>  <small>This Seal has been digitally signed and sealed by Mark E. Weber P.E. License #53895, State of Florida. It is not valid for use on any other project. The Seal is valid for use on any project until the expiration date of the license. The Seal is valid for use on any project until the expiration date of the license.</small></p>
<p>MARK E. WEBER, P.E.          LICENSE #53895   CA 30702          MW ENGINEERING, INC          902 NE 1 Street Suite #2          Pompano Beach, Florida 33060          Ofc: 954-532-0129          WWW.MwEngineering.net</p>

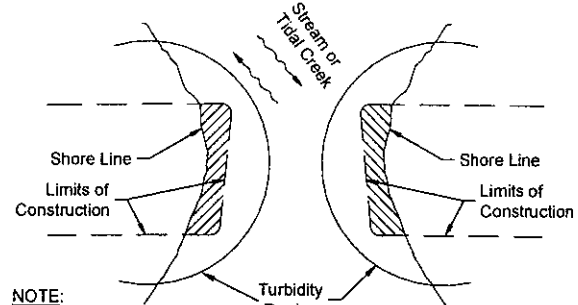
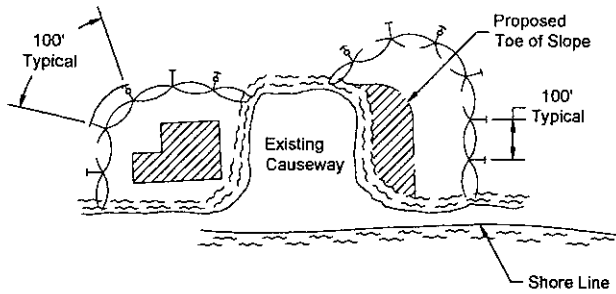


**Boat Lift Section**  
Scale 1/4" = 1'-0"



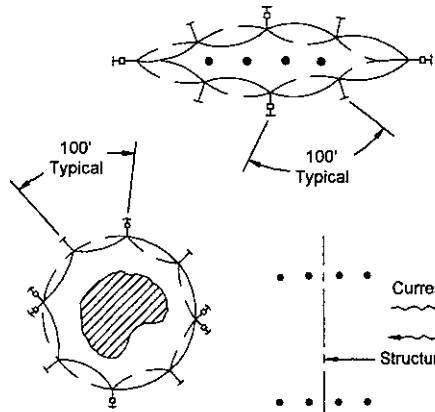
**Return Wall Detail**  
Scale 1/4" = 1'-0"

<p>Consultant  <b>UNLIMITED PERMIT SERVICES, INC</b>          Marine Design &amp; Consulting          902 NE 1st Street #2          Pompano Beach, FL 33060          (954) 532-0129          Office@unlimitedps.net</p>
<p>Project Engineer  <b>MW ENGINEERING, INC</b>          902 NE 1 Street Suite #2          Pompano Beach, FL 33060          Ofc: 954-532-0129          WWW.MwEngineering.net</p>
<p>Contractor  <b>RAY QUALMANN MARINE CONSTRUCTION, INC</b>          2860 NE 16 Street          Pompano Beach, FL 33062          (954) 941-0132</p>
<p>Project Information  <b>Seawall Repair / New Dock / New Boat Lift</b>          Morgan Marcos          771 SE 7 Avenue          Pompano Beach, FL 33060</p>
<p>DATE</p>
<p>2-28-24</p>
<p>3-19-24</p>
<p>4-12-24</p>
<p>Digitally signed by Mark E Weber          Date: 2024.06.17 14:22:24 -04'00'</p>
<p>MARK E. WEBER          LICENSE #53895          P.E. STATE OF FLORIDA          PROFESSIONAL ENGINEER</p> <p><small>This form has been digitally signed and certified by Mark E. Weber (P.E. License #53895). The data and information on this form are the property of the State of Florida. No part of this form may be reproduced without the express written permission of the State of Florida.</small></p> <p>MARK E. WEBER, P.E.          LICENSE #53895   CA 30702          MW ENGINEERING, INC          902 NE 1 Street Suite #2          Pompano Beach, Florida 33060          Ofc: 954-532-0129          WWW.MwEngineering.net</p>
<p>Sheet 4 of 6</p>

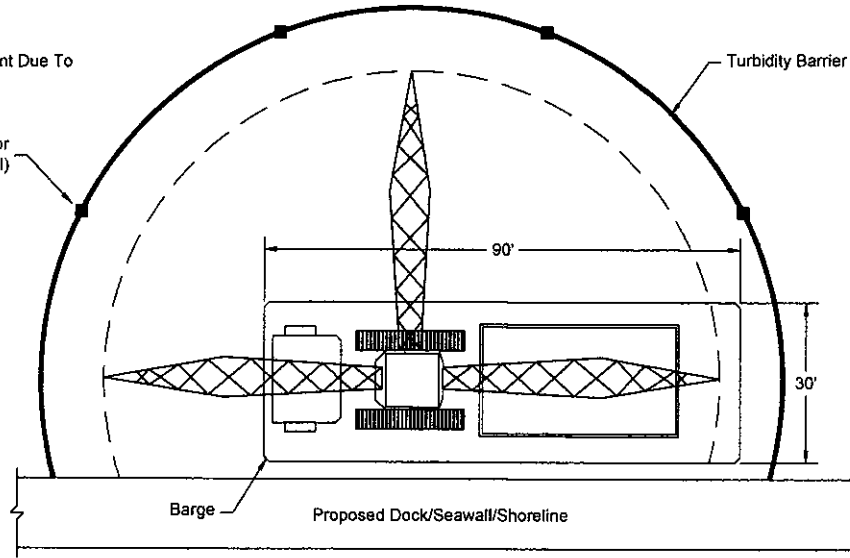


**NOTE:**

Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer of Record.



- LEGEND**
- ⊙ Pile Locations
  - ▨ Dredge or Fill Area
  - ⊠ Mooring Buoy with Anchor
  - Anchor
  - ⊖ Barrier Movement Due to Current Action
  - Stake or Anchor every 100' (typical)



**TURBIDITY BARRIER APPLICATIONS**

**NOTES:**

1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

Consultant  
**UNLIMITED PERMIT SERVICES, INC**  
 Marine Design & Consulting  
 902 NE 1st Street #2  
 Pompano Beach, FL 33060  
 (954) 532-0129  
 Office@unlimitedps.net

Project Engineer  
**MW ENGINEERING, INC**  
 902 NE 1 Street Suite #2  
 Pompano Beach, FL 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net

Contractor  
**RAY QUALMANN MARINE CONSTRUCTION, INC**  
 2860 NE 16 Street  
 Pompano Beach, FL 33062  
 (954) 941-0132

Project Information  
**Seawall Repair / New Dock / New Boat Lift**  
 Morgan Marcos  
 771 SE 7 Avenue  
 Pompano Beach, FL 33060

DATE
2-28-24
3-19-24
4-12-24

Digitally signed by Mark E Weber  
 Date: 2024.06.17 14:23:00 -04'00'

MARK E WEBER, P.E.  
 LICENSE #53895 | CA 30702  
 MW ENGINEERING, INC  
 902 NE 1 Street Suite #2  
 Pompano Beach, Florida 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net

**GENERAL NOTES:**

1. Construction to follow the Florida Building Code 8th Edition (2023) and amendments as applicable and all Local, State and Federal Laws.
2. 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.
3. Do not scale drawings for dimensions.
4. Any deviation and/or substitution from the information provided herein shall be submitted to the Engineer for approval prior to commencement of work.
5. 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.
6. All new work and/or materials shall conform to all requirements of each administrative body having jurisdiction in each appertaining circumstance.
7. All new materials and/or patchwork shall be provided to match existing materials and/or adjoining work where practical except as specifically noted herein.
8. Licensed Contractor to shall use all possible care to protect all existing materials, surfaces, and furnishings from damage during all phases of construction.
9. Licensed Contractor to verify location of existing utilities prior to commencing work.
10. The Licensed contractor to install and remove all shoring and bracing as required for the proper execution of the work.
11. Licensed Contractor to obtain all permits as necessary from all Local, State, and Federal agencies.
12. 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:**

1. Piles shall be driven using an approved cushion block consisting of material so arranged so as to provide the transmission of hammer energy.
2. Piles shall be driven to a minimum allowable bearing capacity of 10 tons for wood, 25 tons for concrete, and 5 tons for pin piles, a minimum of 8' into berm or refusal.
3. 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'.
4. Piles shall be driven with a variation of not more than 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.
5. 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:**

1. 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.
2. Owner shall employ and pay for testing services from an independent testing laboratory for concrete sampling and testing in accordance with ASTM.
3. Licensed contractor is responsible for the adequacy of forms and shoring and for safe practice in their use and removal.
4. Concrete cover shall be 3" unless otherwise noted on the approved drawings.
5. 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.
6. 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.
7. 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 epoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

**PILE NOTES:**

1. Concrete piles shall attain 6000 psi compressive strength in 28 days.
2. Concrete piles shall be reinforced with four - 7/16" Ø lo-lax strands, 270 kips, and 5 ga. spiral ties.
3. Concrete piles shall be 12"x12" square, minimum length of 20'.
4. 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 12"x18" hook bars 6" into pile.

**Consultant**  
**UNLIMITED PERMIT SERVICES, INC**  
 Marine Design & Consulting  
 902 NE 1st Street #2  
 Pompano Beach, FL 33060  
 (954) 532-0129  
 Office@unlimitedps.net


**Project Engineer**  
**MW ENGINEERING, INC**  
 902 NE 1 Street Suite #2  
 Pompano Beach, FL 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net

**Contractor**  
**RAY QUALMANN MARINE CONSTRUCTION, INC**  
 2860 NE 16 Street  
 Pompano Beach, FL 33062  
 (954) 941-0132

**Project Information**  
**Seawall Repair / New Dock / New Boat Lift**  
 Morgan Marcos  
 771 SE 7 Avenue  
 Pompano Beach, FL 33060

DATE
2-28-24
3-19-24
4-12-24

Digitally signed by Mark E Weber  
 Date: 2024.06.17 14:23:41 -04'00'



This form has been digitally signed and sealed by Mark E. Weber (P.E. License #53895) on the date indicated in the text. Valid to 2025-07-01. 2024.06.17 14:23:41 -04'00' CA. Signature must be verified on electronic copy.

MARK E. WEBER, P.E.  
 LICENSE #53895 | CA 30702  
 MW ENGINEERING, INC  
 902 NE 1 Street Suite #2  
 Pompano Beach, Florida 33060  
 Ofc: 954-532-0129  
 WWW.MwEngineering.net