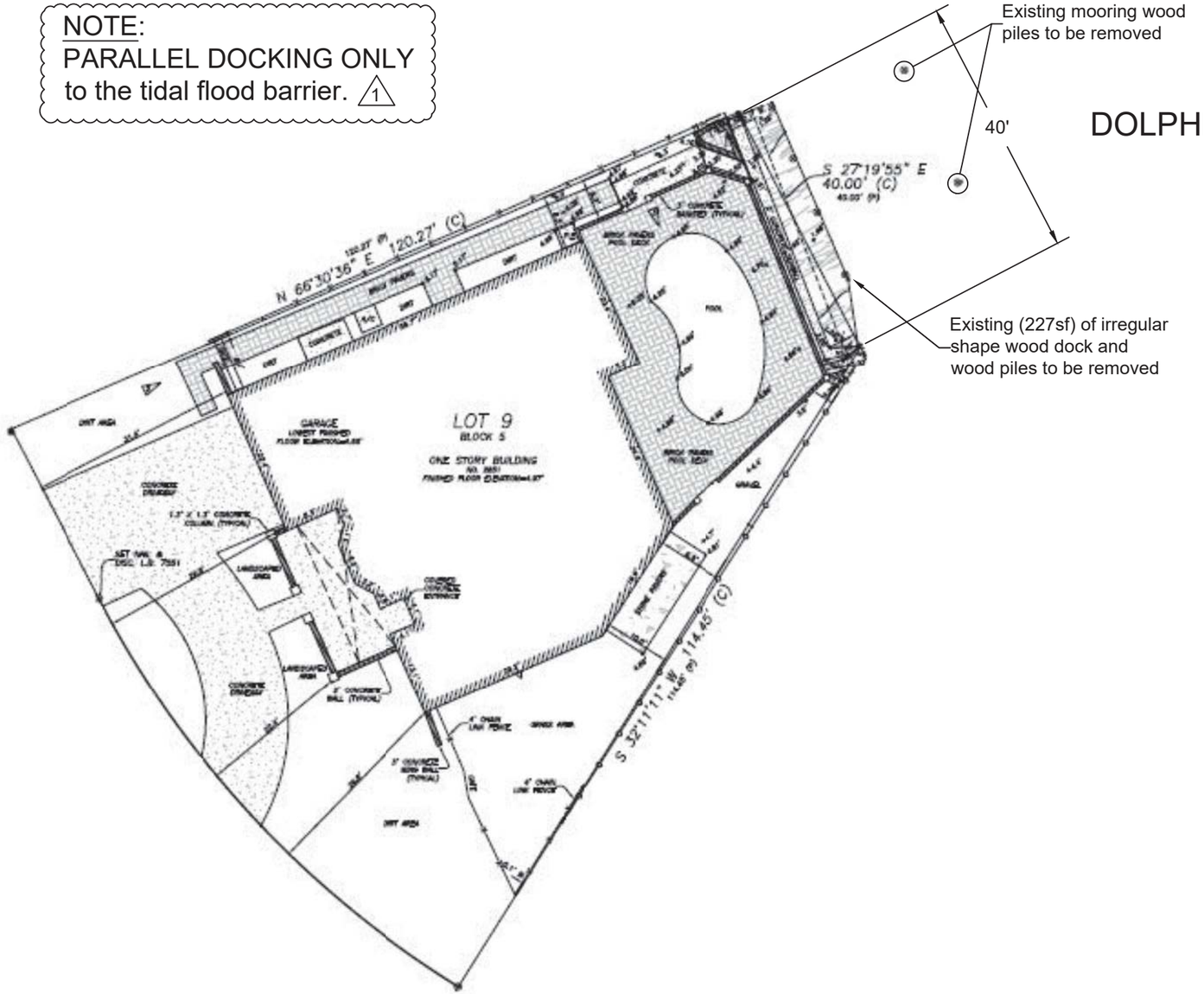
See attached survey supplied by owner for exact property information.

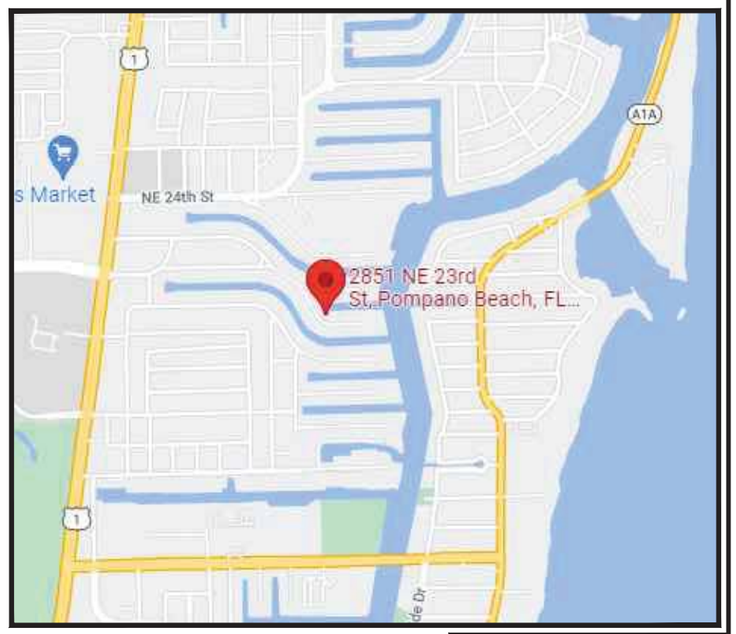
Site Address	2851 NE 23 STREET, POMPANO BEACH FL 33062	ID #	4843 30 09 0710
Property Owner	MILO, IVAN & DARLENE	Millage	1511
Mailing Address	2851 NE 23 ST POMPANO BEACH FL 33062	Use	01
Abbr Legal Description	HILLSBORO HARBOR UNIT A 28-23 B LOT 9 BLK 5		

NOTE:
PARALLEL DOCKING ONLY
to the tidal flood barrier. 1



Existing Site Plan

Scale: 1" = 20'



Location Map

Sheet 1 of 7

Project:
Proposed Dock / Seawall
Ivan Milo
2851 NE 23 Street
Pompano Beach, Florida 33062

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

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Pompano Beach, Florida 33060
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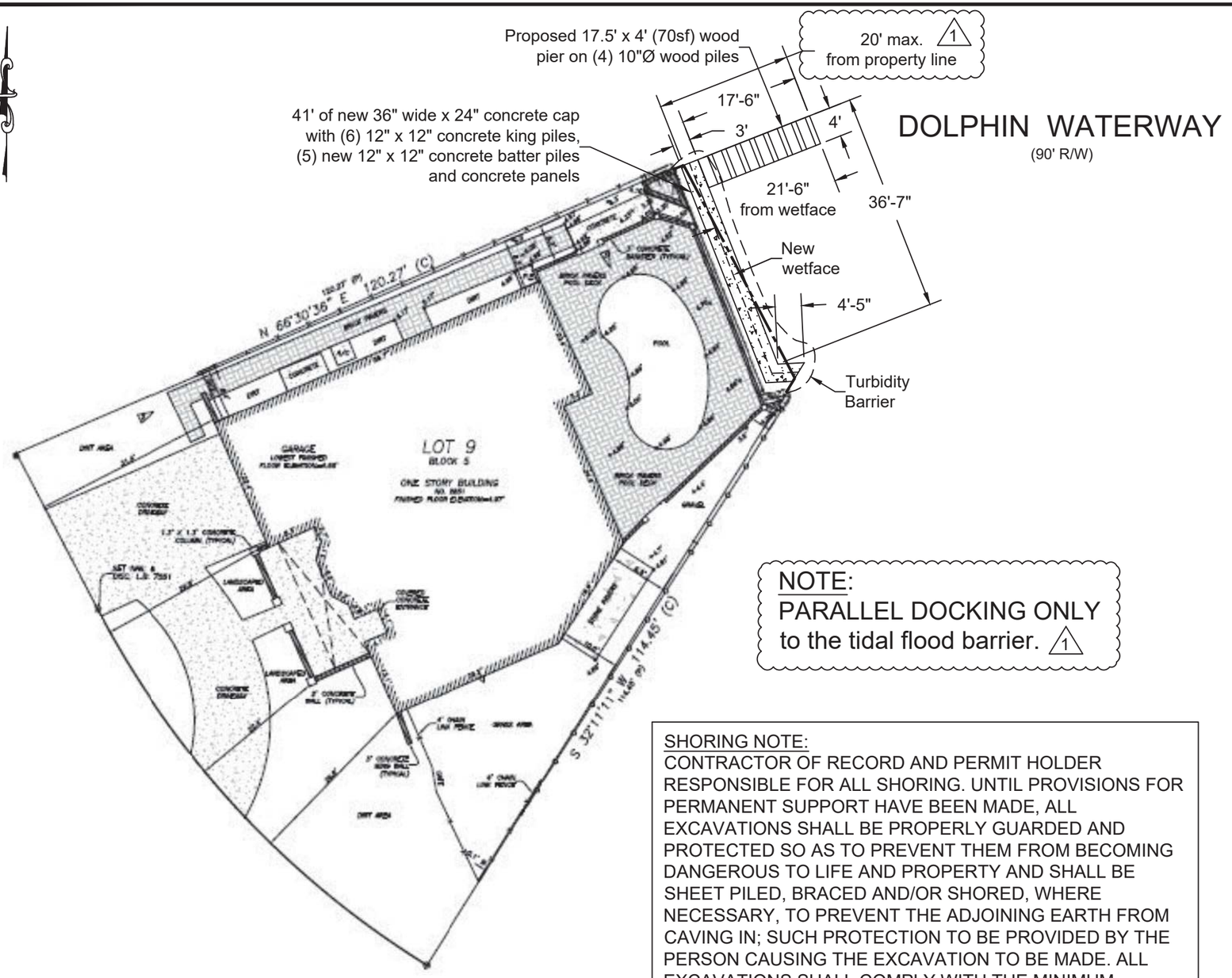

NOTE:
PARALLEL DOCKING ONLY to the tidal flood barrier. 1

SHORING NOTE:
CONTRACTOR OF RECORD AND PERMIT HOLDER RESPONSIBLE FOR ALL SHORING. UNTIL PROVISIONS FOR PERMANENT SUPPORT HAVE BEEN MADE, ALL EXCAVATIONS SHALL BE PROPERLY GUARDED AND PROTECTED SO AS TO PREVENT THEM FROM BECOMING DANGEROUS TO LIFE AND PROPERTY AND SHALL BE SHEET PILED, BRACED AND/OR SHORED, WHERE NECESSARY, TO PREVENT THE ADJOINING EARTH FROM CAVING IN; SUCH PROTECTION TO BE PROVIDED BY THE PERSON CAUSING THE EXCAVATION TO BE MADE. ALL EXCAVATIONS SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF THE FLORIDA BUILDING CODE, AND FLORIDA STATUTE 553.60, "TRENCH SAFETY ACT," AND 29-CFR1926-650 (P) "OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY ACT."

Note: Engineering must be called for inspection to verify location and placement of the turbidity barrier at (954) 457-1397 or (954) 457-3040

1. Existing wood dock and wood piles removed
2. Construct 41' of 36" x 24" of new seawall, cap, batter piles, king piles and panels
3. Install 17.5' x 4' wood pier on (4) wood piles

Proposed Site Plan

Scale: 1" = 20'

See attached survey supplied by owner for exact property information.

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Property Owner	MILO, IVAN & DARLENE	Millage	1511
Mailing Address	2851 NE 23 ST POMPANO BEACH FL 33062	Use	01
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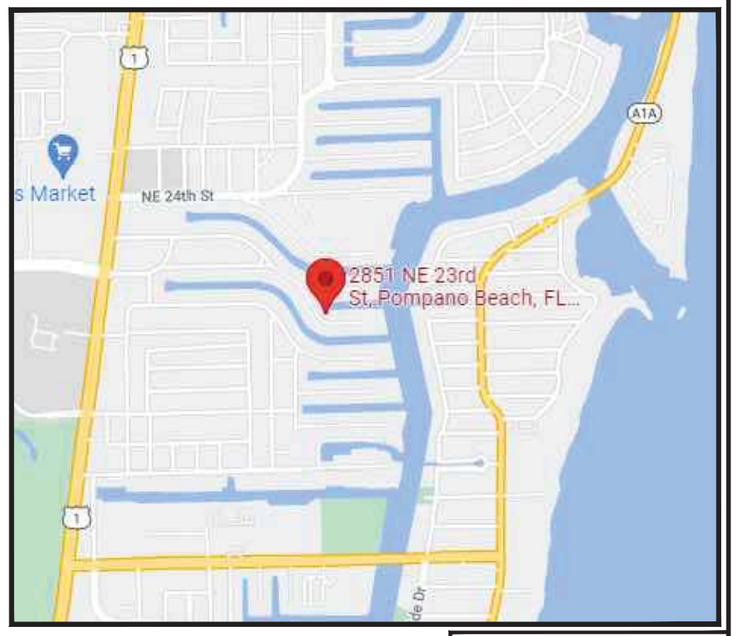
1	09.27.23	Max dock 20' from Property Line

REVISIONS



Location Map

Sheet 2 of 7

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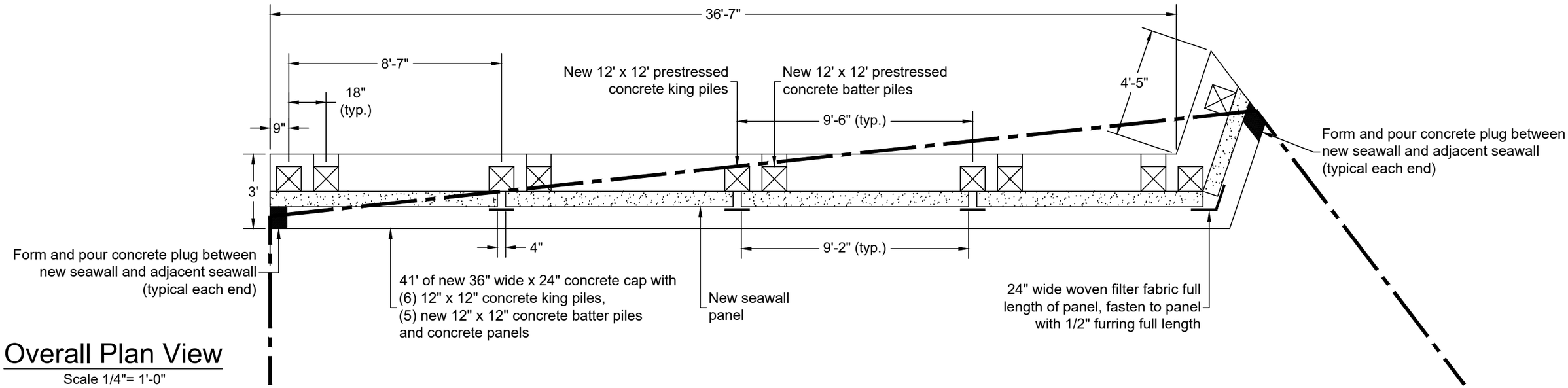
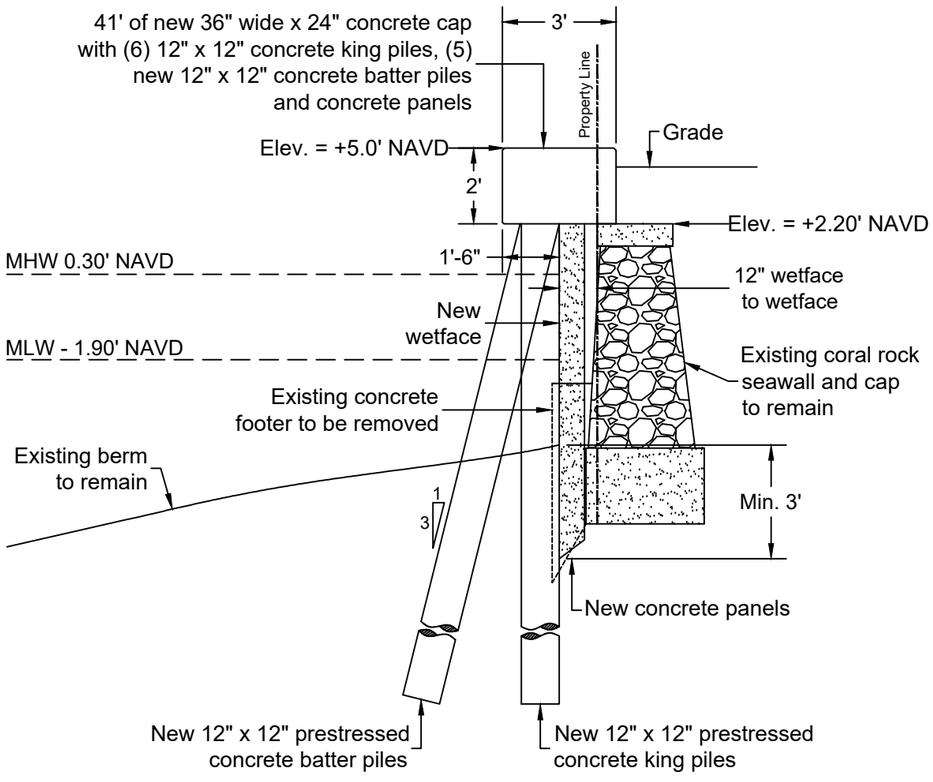


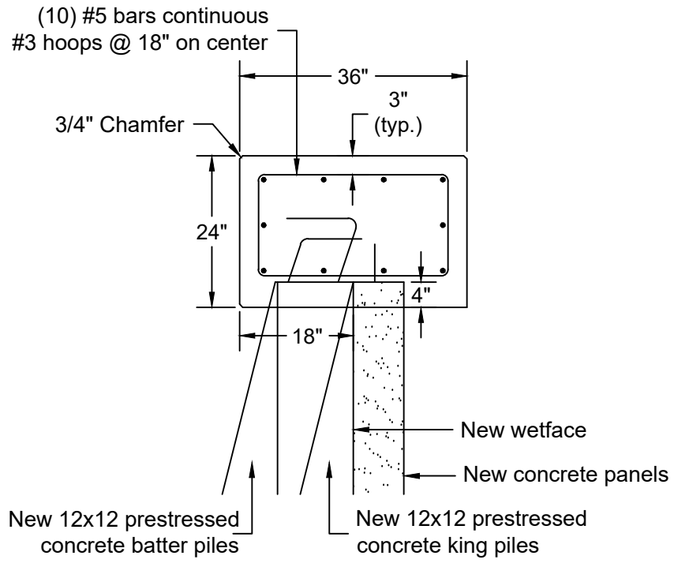
Overall Plan View

Scale 1/4"= 1'-0"



Seawall Section

Scale 1/4"= 1'-0"



Cap Steel Detail

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

NOTE:
PARALLEL DOCKING ONLY to the tidal flood barrier. (1)

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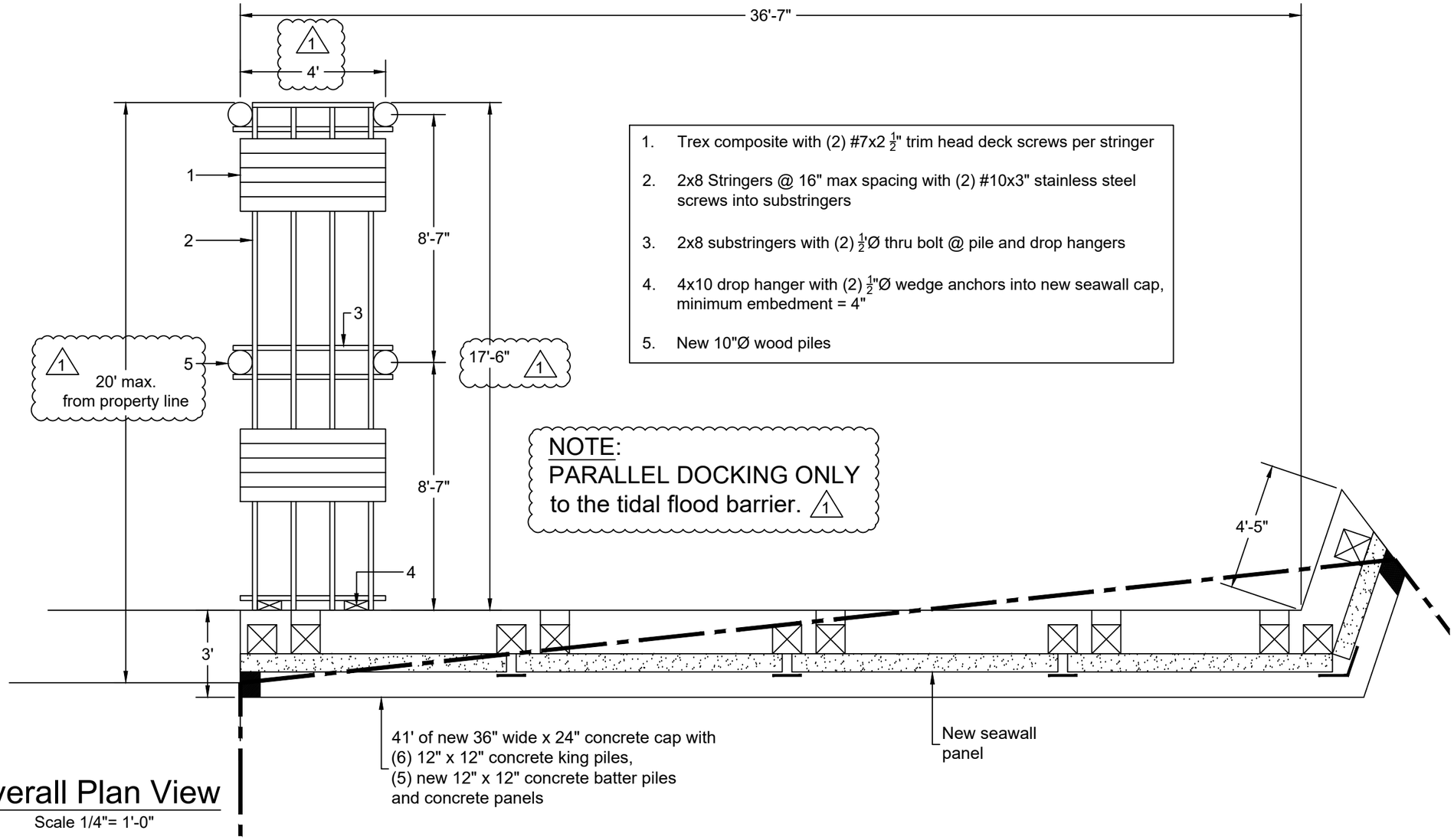

1. Trex composite with (2) #7x2 ½" trim head deck screws per stringer
2. 2x8 Stringers @ 16" max spacing with (2) #10x3" stainless steel screws into substringers
3. 2x8 substringers with (2) ½"Ø thru bolt @ pile and drop hangers
4. 4x10 drop hanger with (2) ½"Ø wedge anchors into new seawall cap, minimum embedment = 4"
5. New 10"Ø wood piles

Overall Plan View

Scale 1/4"= 1'-0"

1	09.27.23	Max dock 20' from Property Line

REVISIONS

Sheet 4 of 7

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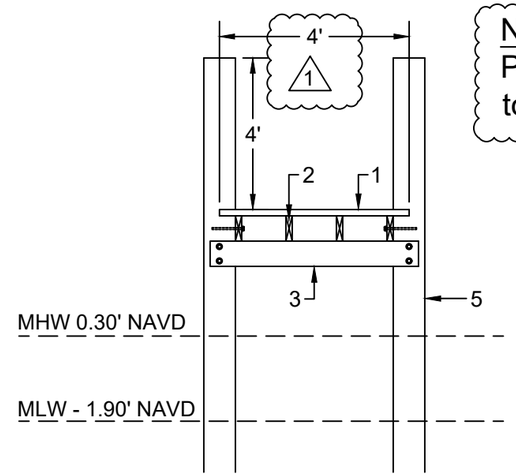
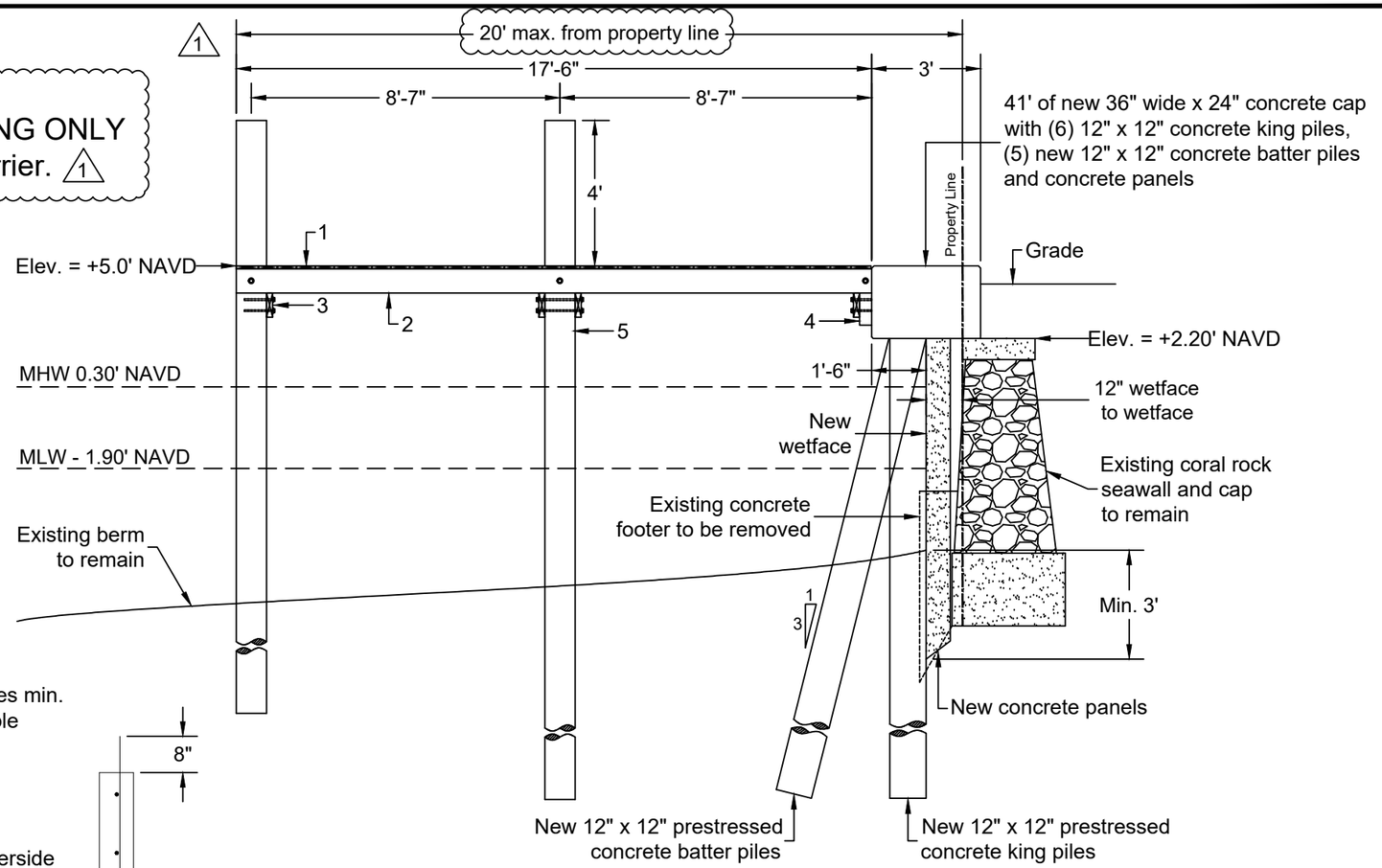


Pier Section

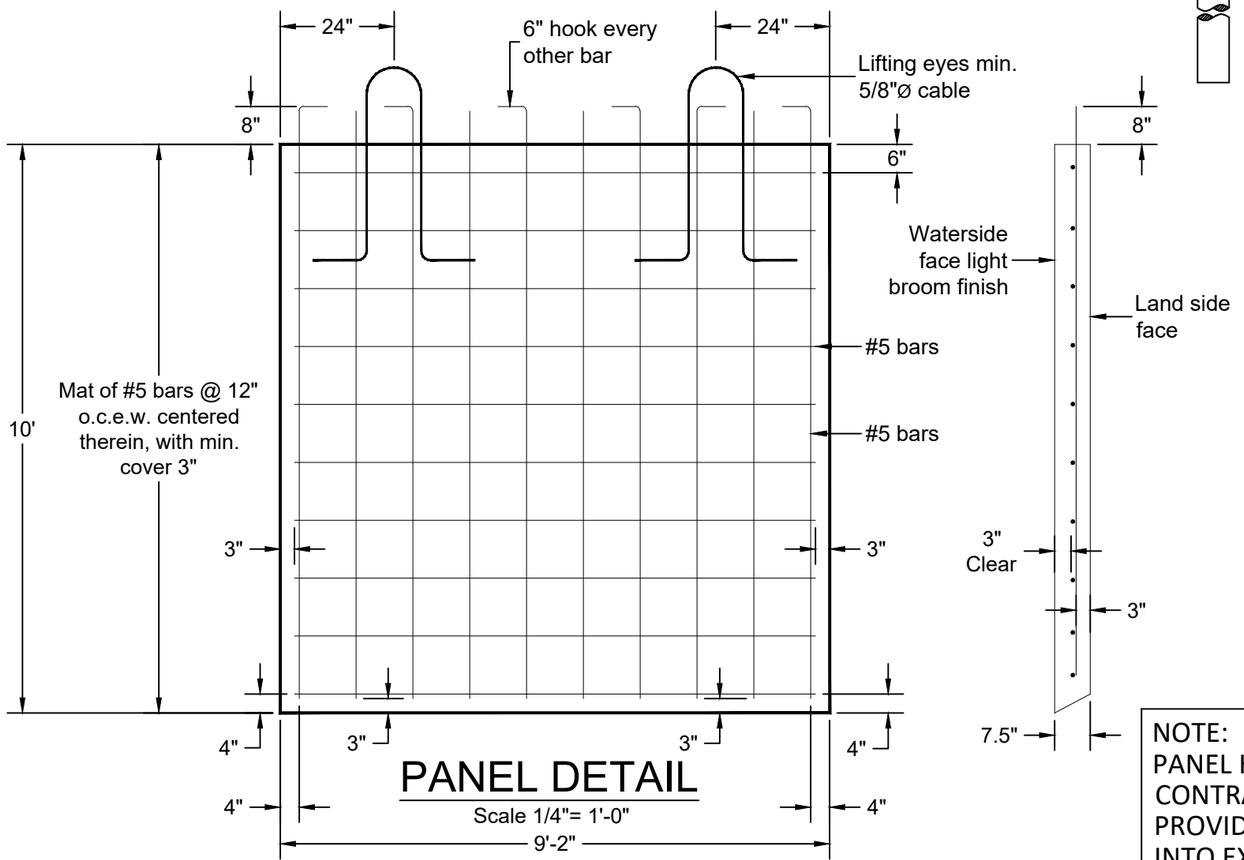
Scale 1/4"= 1'-0"

NOTE:
PARALLEL DOCKING ONLY
to the tidal flood barrier. 1



Pier Section

Scale 1/4"= 1'-0"



PANEL DETAIL

Scale 1/4"= 1'-0"

NOTE:
PANEL HEIGHT TO BE VERIFIED ON SITE BY CONTRACTOR BEFORE CONSTRUCTION, TO PROVIDE A MINIMUM OF 2' EMBEDMENT INTO EXISTING GARDE.

1. Trex composite with (2) #7x2 $\frac{1}{2}$" trim head deck screws per stringer
2. 2x8 Stringers @ 16" max spacing with (2) #10x3" stainless steel screws into substringers
3. 2x8 substringers with (2) $\frac{1}{2}$"Ø thru bolt @ pile and drop hangers
4. 4x10 drop hanger with (2) $\frac{1}{2}$"Ø wedge anchors into new seawall cap, minimum embedment = 4"
5. New 10"Ø wood piles

1	09.27.23	Max dock 20' from Property Line

REVISIONS

Sheet 5 of 7

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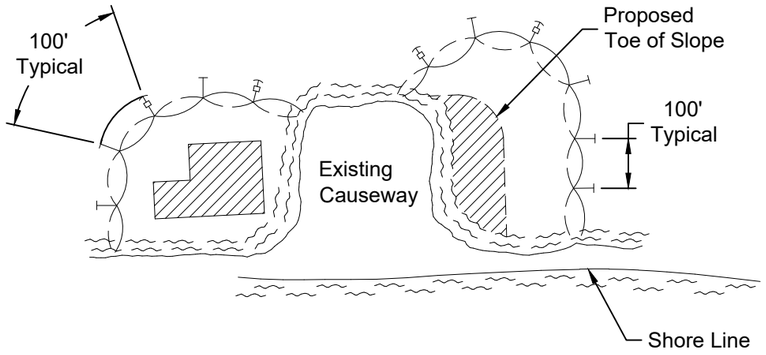
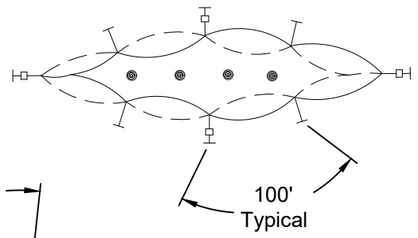
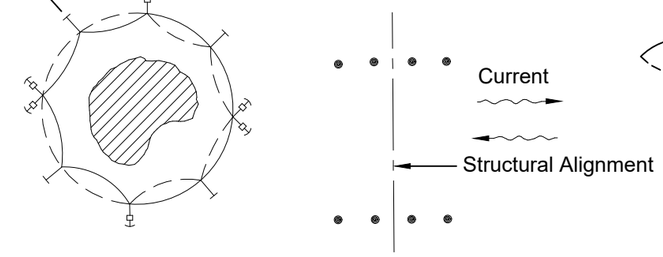
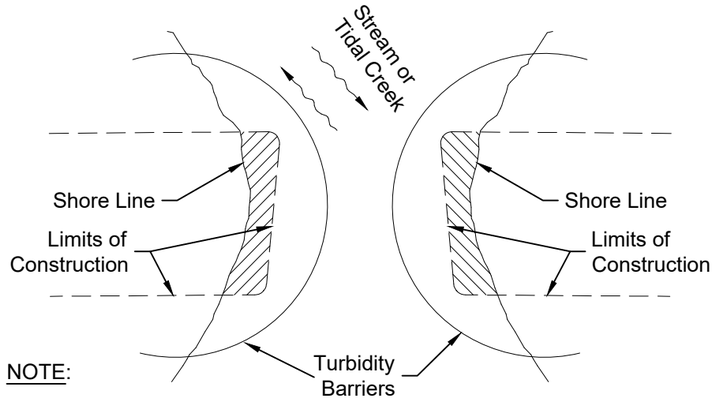




LEGEND

- Pile Locations
- Dredge or Fill Area
- Mooring Buoy with Anchor
- Anchor
- Barrier Movement Due To Current Action

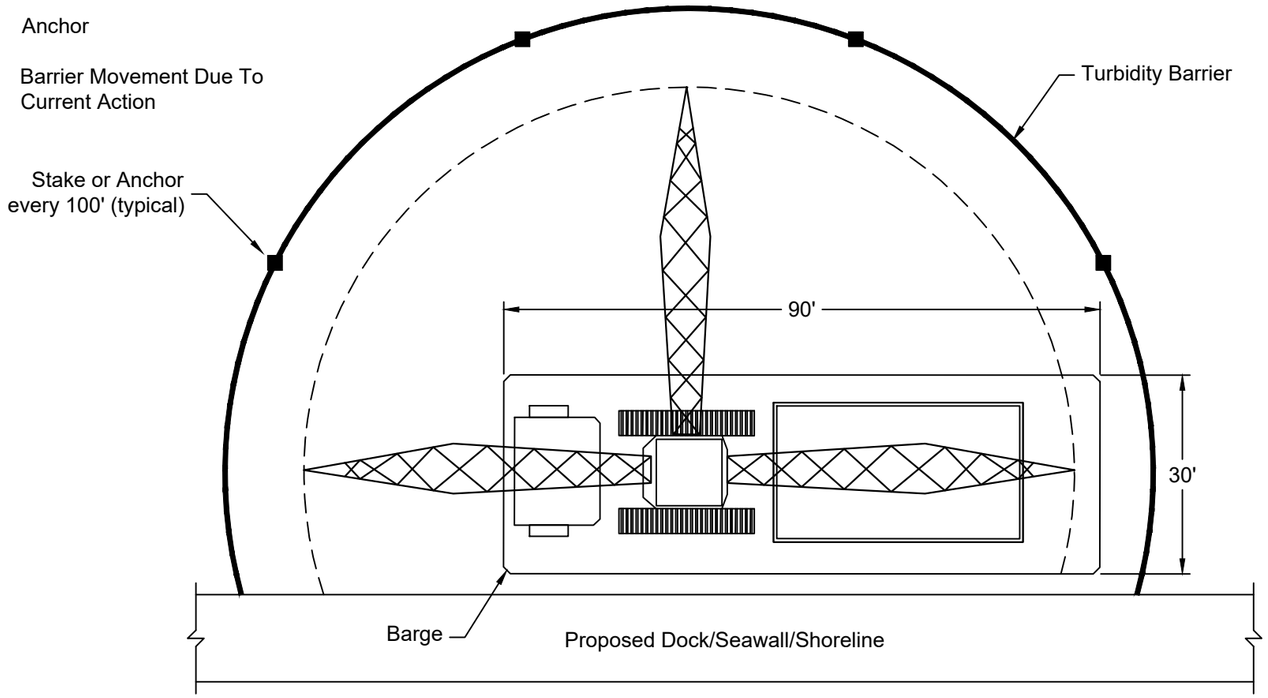




NOTE:

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.

NOTE:
PARALLEL DOCKING ONLY
to the tidal flood barrier. (1)



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.

Note: Engineering must be called for inspection to verify location and placement of the turbidity barrier at (954) 457-1397 or (954) 457-3040

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GENERAL NOTES:

1. Construction to follow the Florida Building Code 7th Edition (2020) 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 $\frac{1}{4}$ 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.

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 expoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

PILE NOTES:

1. Wood piles to be 2.5 lb. CCA treated in accordance with AWPA standard C18.

2. Wood piles shall be a minimum diameter of 10", Miami Dade County requires minimum diameter of 12".

3. Concrete piles shall attain 6000 psi compressive strength in 28 days.

4. Concrete piles shall be reinforced with four - $\frac{7}{16}$"Ø lo-lax strands, 270 kips, and 5 ga. spiral ties.

5. Concrete piles shall be 12"x12" square, minimum length of 20'.

6. 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:

1. All materials to be pressure treated pine unless otherwise noted.

2. All frame work materials to be Southern Pine Grade #1

3. All Decking materials to be grade #1 unless otherwise noted.

4. All hardware to be Stainless Steel or Galvanized unless otherwise noted.

NOTE:
PARALLEL DOCKING ONLY
to the tidal flood barrier. △1

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