

# 227 PALM TRAIL

## CITY OF DELRAY BEACH

### PLAN SET



**LOCATION MAP (N.T.S.)**

**DRAWING INDEX**

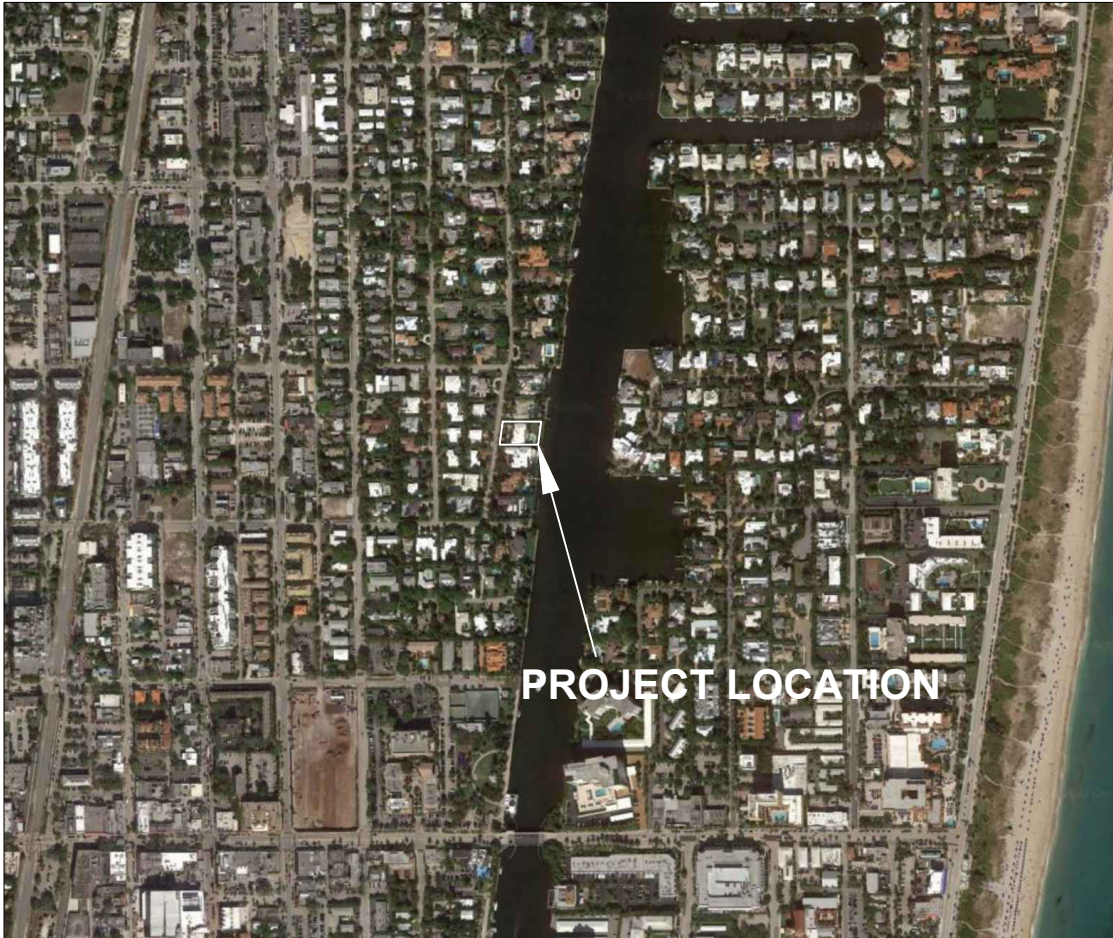
**SHEET 1: COVER**

**SHEET 2: EXISTING CONDITIONS**

**SHEET 3: PROPOSED CONDITIONS**

**SHEET 4: SECTION**

**SHEET 5: DETAILS**



**VICINITY AERIAL (N.T.S.)**

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- Environmental Consultants
- Marina & Wetland Permitting
- Mitigation Design & Monitoring
- T&E Species Surveys
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**227 PALM TRAIL**  
 PREPARED FOR:  
 MR. THOMAS & LAURA SPENO

COVER		
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LOT 11  
PLAT BOOK 23, PAGE 71  
(PBCR)

PROP CORNER  
(TYP)

FOUND CONCRETE  
MONUMENT 0.3'N  
(NO IDENTIFICATION)

PL TO EAST EDGE  
OF SEAWALL

LOT LINE  
EXTENDED

APPROXIMATE  
RIPARIAN  
RIGHTS LINE  
LAT N26°27'59.335"  
LON W80°03'48.380"  
X 962563.57'  
Y 776357.59'



175.00' 175.00'

82°21'00"

X 962483.18  
Y 776368.67

(RIPARIAN)  
PROP COR TO ICWW TOE



WEST TOE OF THE COE 125'  
NAVIGATION CHANNEL (CUT PB-64)  
CUT AZIMUTH=186°38'49"

**INTRACOASTAL WATERWAY**

JACKSONVILLE TO MIAMI HARBOR  
10 FOOT PROJECT CONTROL DATA  
D.O. FILE NUMBER 8B-24--258  
300'+- RIGHT-OF-WAY  
INTRACOASTAL WATERWAY  
PLAT BOOK 17 (PBCR)

CENTERLINE OF THE COE 125'  
NAVIGATION CHANNEL (CUT PB-64)  
CUT AZIMUTH=186°38'49"

10

103.0'

83.0'

EXISTING WETFACE (RIPARIAN)  
EAST EDGE OF SEAWALL  
PROPERTY LINE  
ICWW TOE

97°39'00"

0.14'

SET 1/2"

LOT LINE  
EXTENDED

X 962470.70  
Y 776266.53

(RIPARIAN)  
PROP COR TO ICWW TOE

LAT N26°27'58.425"  
LON W80°03'49.444"  
X 962467.59'  
Y 776264.97'

**LEGEND**

- SUBJECT SITE (0.41 AC)
- EXISTING SEAWALL TO REMAIN (±103 LN. FT.)

M.H.W. = 0.3' NAVD88 M.L.W. = (-)1.9' NAVD88

NOTE: SURVEY INFORMATION PROVIDED BY  
MANUCY LAND SURVEYORS, INC. ELEVATIONS  
SHOWN AS NAVD88. BTHYMETRY INFORMATION  
PROVIDED BY TERRAQUATIC SURVEYING AND  
MAPPING. DEPTHS IN MLW.

LOT 9  
PLAT BOOK 23, PAGE 71  
(PBCR)

PROP CORNER  
(TYP)

ADJACENT  
CONCRETE & SEAWALL

PL TO EAST EDGE  
OF SEAWALL

LAT N26°27'58.425"  
LON W80°03'49.444"  
X 962467.59'  
Y 776264.97'

WEST RIGHT-OF-WAY  
INTRACOASTAL WATERWAY

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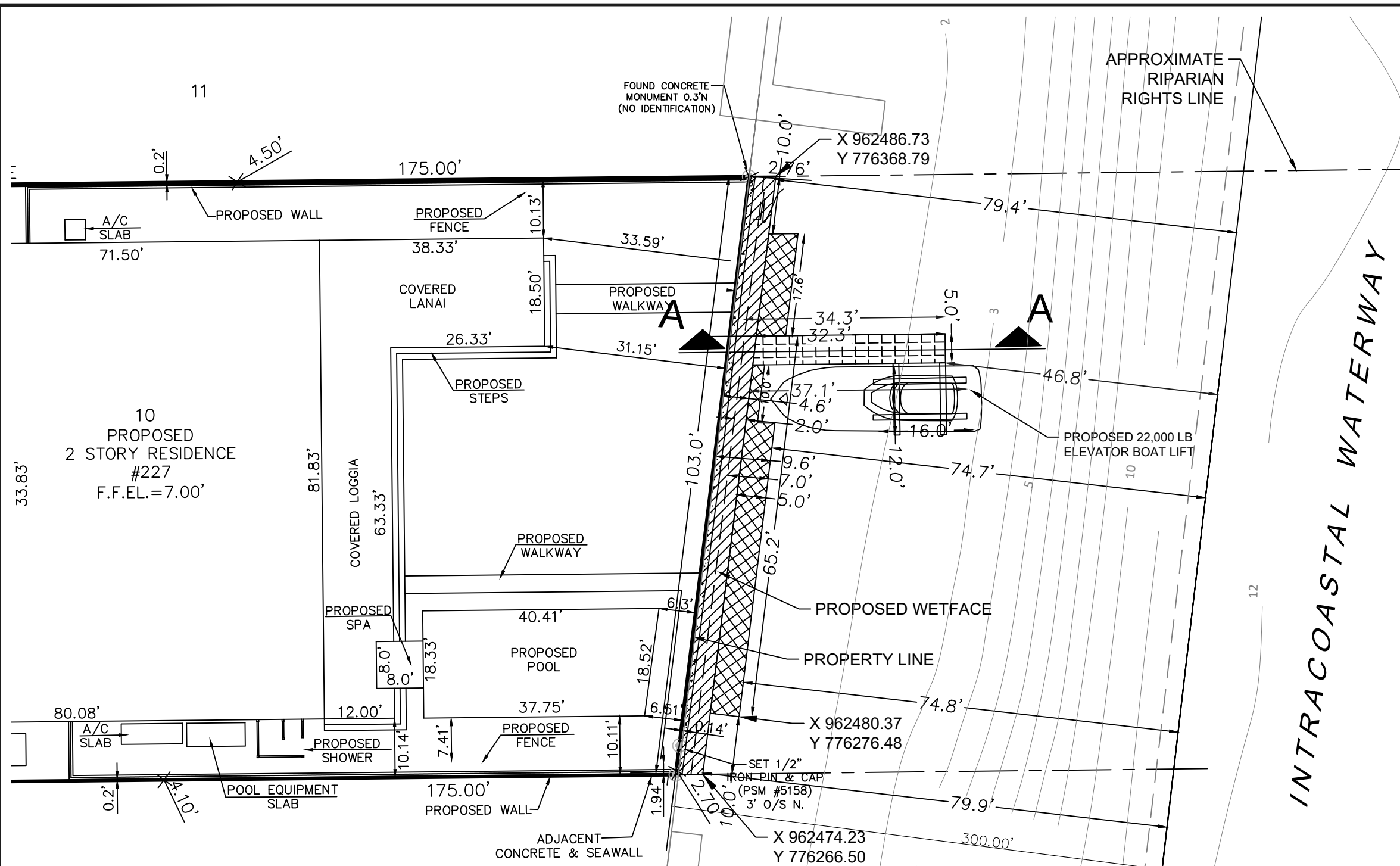
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EXISTING CONDITIONS

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**LEGEND**

- SUBJECT SITE (0.41 AC)
  - EXISTING SEAWALL TO REMAIN (±103 LN. FT.)
  - PROPOSED CONCRETE PANEL SEAWALL WITH 4.6' CAP AND BATTER PILES (±103 LN. FT.)
  - PROPOSED CONCRETE MARGINAL DOCK (±356 SQ. FT.)
  - PROPOSED CONCRETE FINGER PIER (±162 SQ. FT.)
- M.H.W. = 0.3' NAVD88 M.L.W. = (-)1.9' NAVD88

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**CITY VARIANCE REQUEST**

PROPOSED STRUCTURES	STRUCTURE DISTANCE FROM EDGE OF THE CAP	PERMITTED DISTANCE WITHOUT VARIANCE	DISTANCE REQUIRING A VARIANCE
FINGER PIER	32.3'	25'	7.3'
BOAT LIFT	37.1'	20'	17.1'

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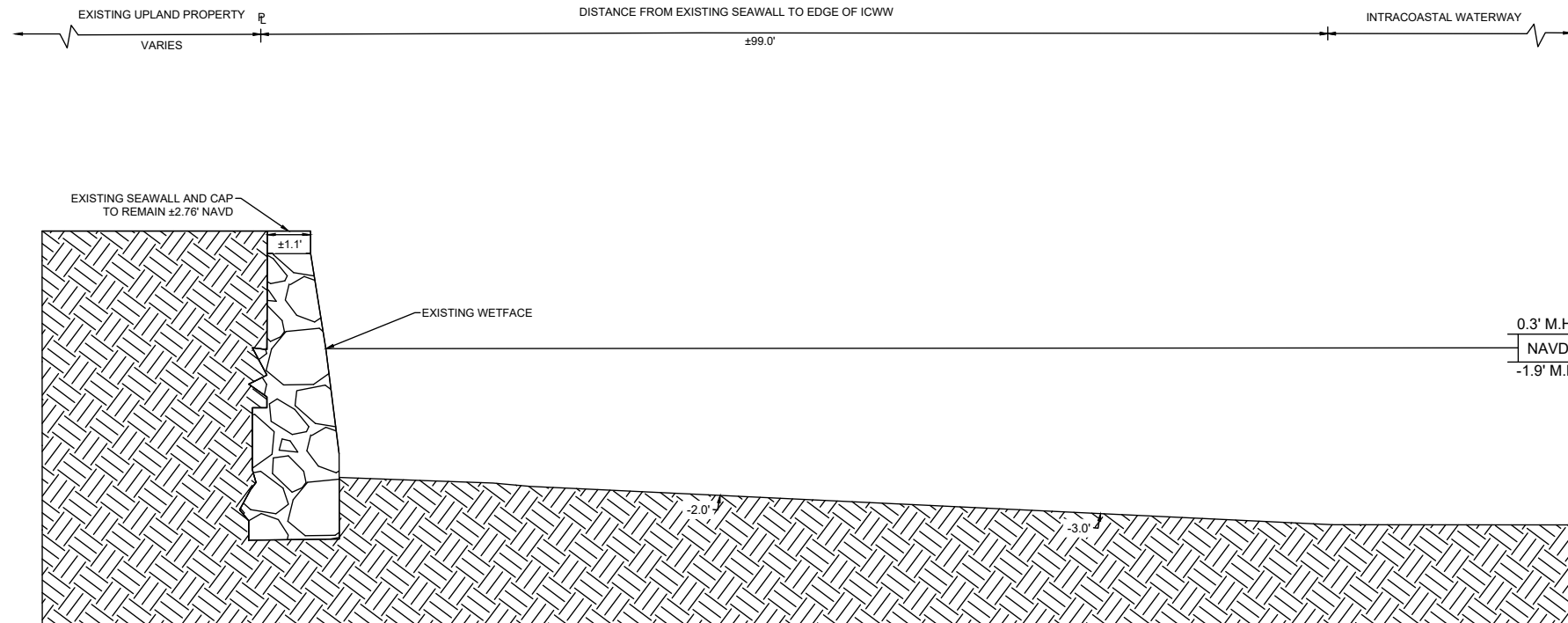
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**PROPOSED CONDITIONS**

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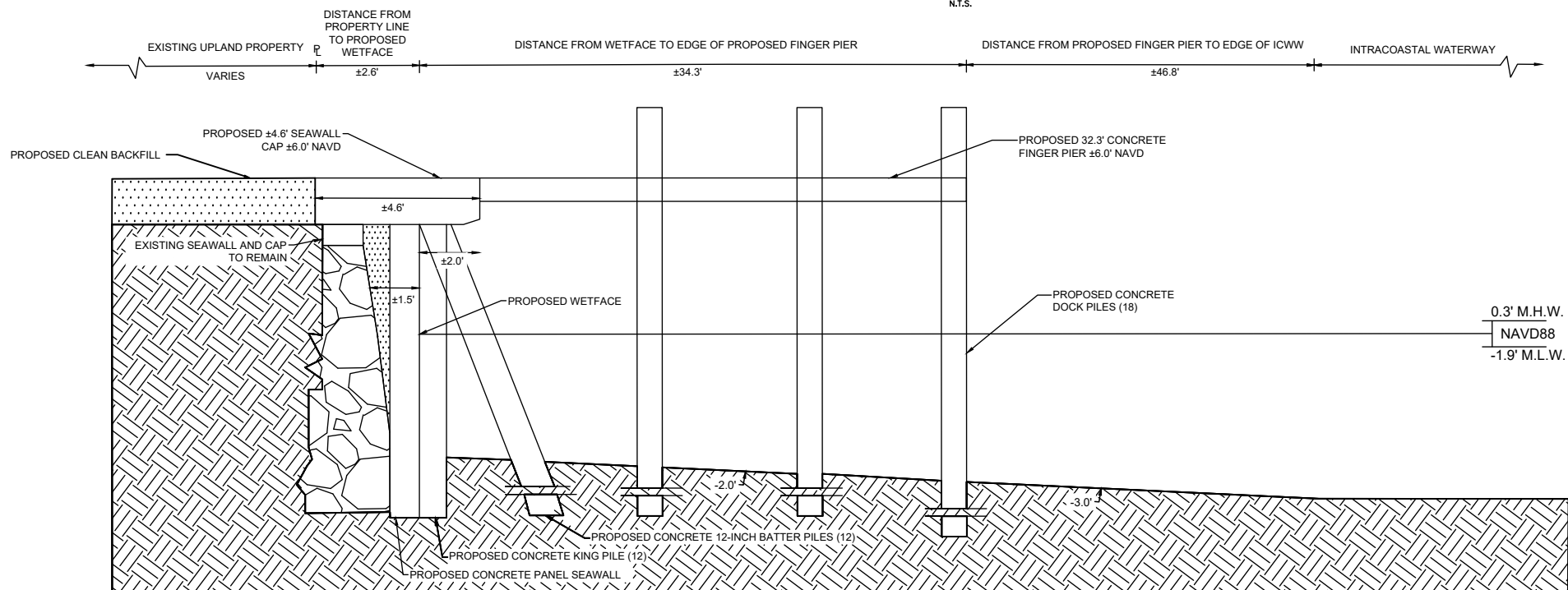
**EXISTING CONDITIONS A-A (TYP.)**

N.T.S.



**PROPOSED CONDITIONS A-A (TYP.)**

N.T.S.



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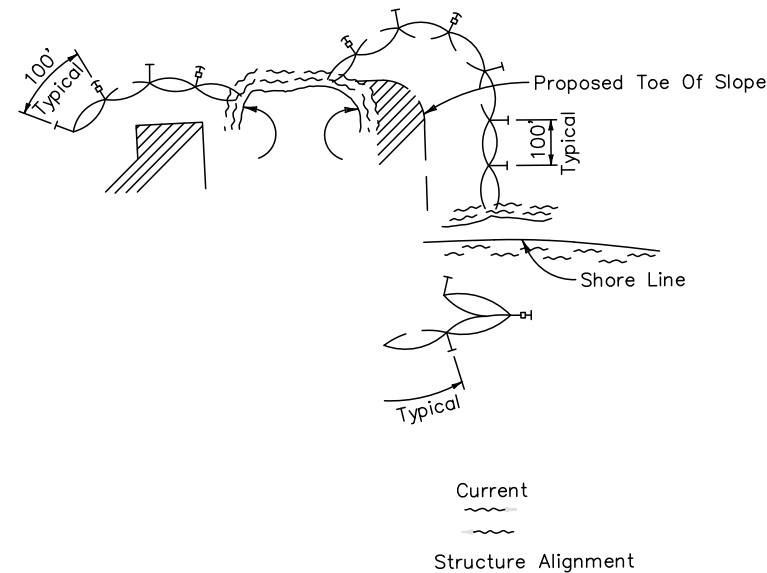
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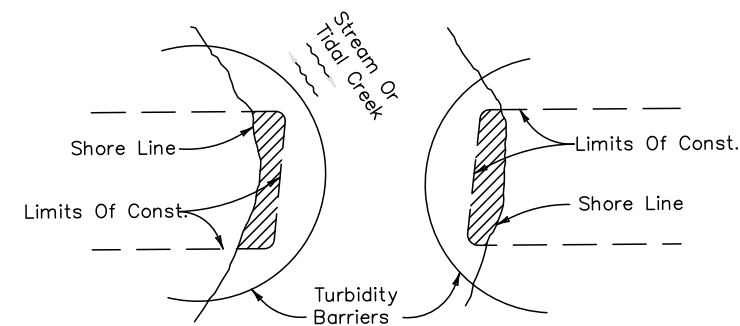
SECTION

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## CONSTRUCTION BARGE (TYP.)



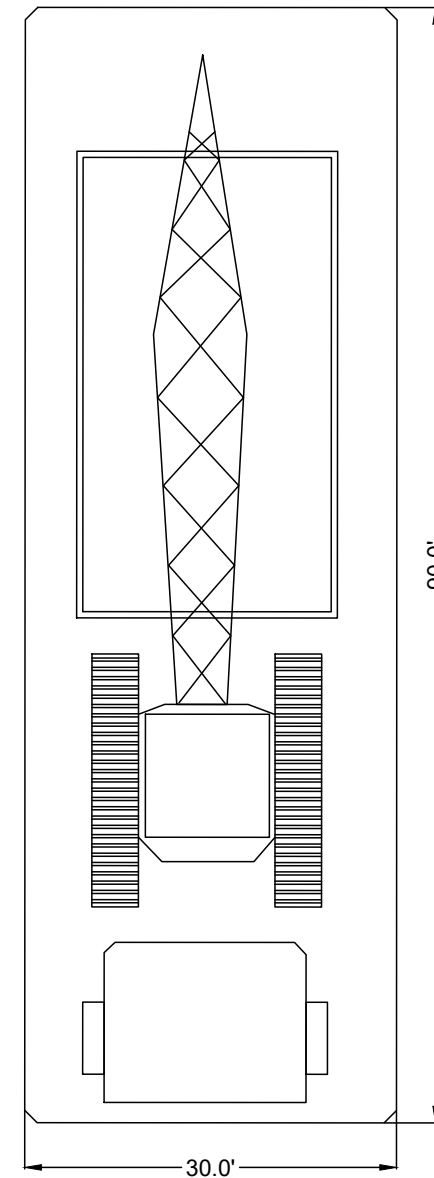
- LEGEND**
- Pile Locations
  - ▨ Dredge Or Fill Area
  - Mooring Buoy w/Anchor
  - Anchor
  - Barrier Movement Due To Current Action



**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.

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.

### TURBIDITY BARRIER APPLICATIONS



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#### DETAILS

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