

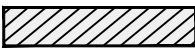










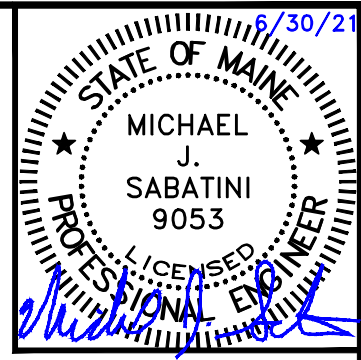
## ATTACHMENT 5

### PLANS OF ACTIVITY

SHEET 1 OF 17	– LEGEND
SHEET 2 OF 17	– EXISTING CONDITIONS PLAN
SHEET 3 OF 17	– PROPOSED IMPROVEMENTS OVERVIEW
SHEET 4 OF 17	– PROPOSED DOCK COORDINATES
SHEET 5 OF 17	– ANCHOR PILE PLAN
SHEET 6 OF 17	– DOCK A DIMENSION PLAN
SHEET 7 OF 17	– DOCK B DIMENSION PLAN
SHEET 8 OF 17	– DOCK C DIMENSION PLAN
SHEET 9 OF 17	– TYPICAL CONCRETE FLOATING DOCK DETAIL
SHEET 10 OF 17	– TYPICAL CONCRETE FLOATING ATTENUATER DETAIL
SHEET 11 OF 17	– TYPICAL TIMBER FLOATING DOCK DETAIL
SHEET 12 OF 17	– TYPICAL ACCESS PLATFORM & GANGWAY DETAILS
SHEET 13 OF 17	– SHOREWARD PIER EXTENSION LAYOUT
SHEET 14 OF 17	– TYPICAL LANDWARD PIER EXTENSION SECTION
SHEET 15 OF 17	– PROPOSED DREDGE PLAN
SHEET 16 OF 17	– PROPOSED DREDGE SECTIONS
SHEET 17 OF 17	– TURBIDITY CONTROL NOTES AND DETAILS

# LEGEND:

-  PROPERTY LINE
-  -11 - - - - EXISTING CONTOUR
-  EXISTING JETTY/PIER
-  EXISTING FLOATING DOCKS
-  PROPOSED CONCRETE FLOATING DOCKS
-  PROPOSED CONCRETE FLOATING WAVE ATTENUATOR DOCKS
-  PROPOSED TIMBER FLOATING DOCKS
-  EXISTING JETTY/PIER
-  -11 - - - - PROPOSED CONTOUR
-  PROPOSED PILE
-  PHOTOGRAPH LOCATION  
(SEE PHOTO KEY, ATTACHMENT 3)



## PLAN NOTES:

1. THESE PLANS ARE FOR NRPA PERMITTING ASSOCIATED WITH EXPANSION OF SAFE HARBOR-ROCKLAND MARINA IN ROCKLAND, MAINE.
2. PROPERTY LINES SHOWN ARE TAKEN FROM THE PLAN TITLED "STANDARD BOUNDARY SURVEY, BRACEBRIDGE CORPORATION, FISHER ENGINEERING PROPERTIES, WATER & OCEAN STREETS" DATED APRIL 19, 2000 AND PREPARED BY COFFIN ENGINEERING AND SURVEYING AND A PLAN TITLED CONVEYANCE PLAN - BAYVIEW MANAGEMENT, DATED NOVEMBER 30, 2020, PREPARED BY GARTLEY & DORSKY.
3. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AND ARE TAKEN FROM THE PLAN TITLED "ROCKLAND HARBOR PARK, LLC, TRIDENT YACHT BASIN", DATED DECEMBER 17, 2009 AND PREPARED BY GARTLEY AND DORSKY. ADDITIONAL BATHYMETRIC DATA CONDUCTED BY ECO-ANALYSTS IN NOVEMBER OF 2017 HAS BEEN INCORPORATED.
4. PROPOSED FLOATS, PILINGS, PIER, AND DREDGING ARE DESIGNED BY APPLIED TECHNOLOGY MANAGEMENT, INC.



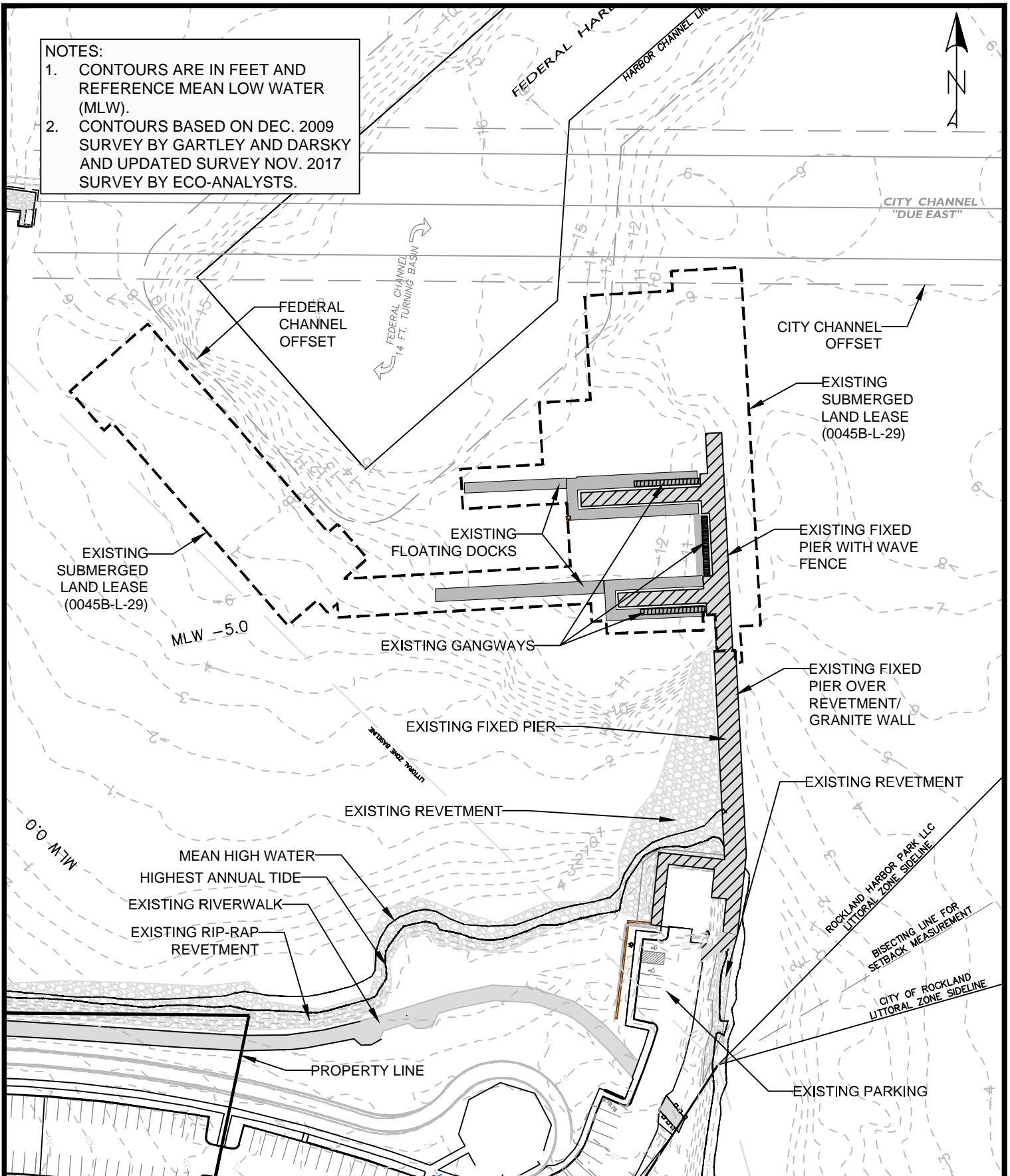
**SH ROCKLAND - MARINA EXPANSION  
NRPA PERMIT APPLICATION  
ROCKLAND, MAINE**

SCALE: N/A

JUNE 2021

**NOTES:**

1. CONTOURS ARE IN FEET AND REFERENCE MEAN LOW WATER (MLW).
2. CONTOURS BASED ON DEC. 2009 SURVEY BY GARTLEY AND DASKY AND UPDATED SURVEY NOV. 2017 SURVEY BY ECO-ANALYSTS.



**LANDMARK CORPORATION**

SURVEYORS & ENGINEERS

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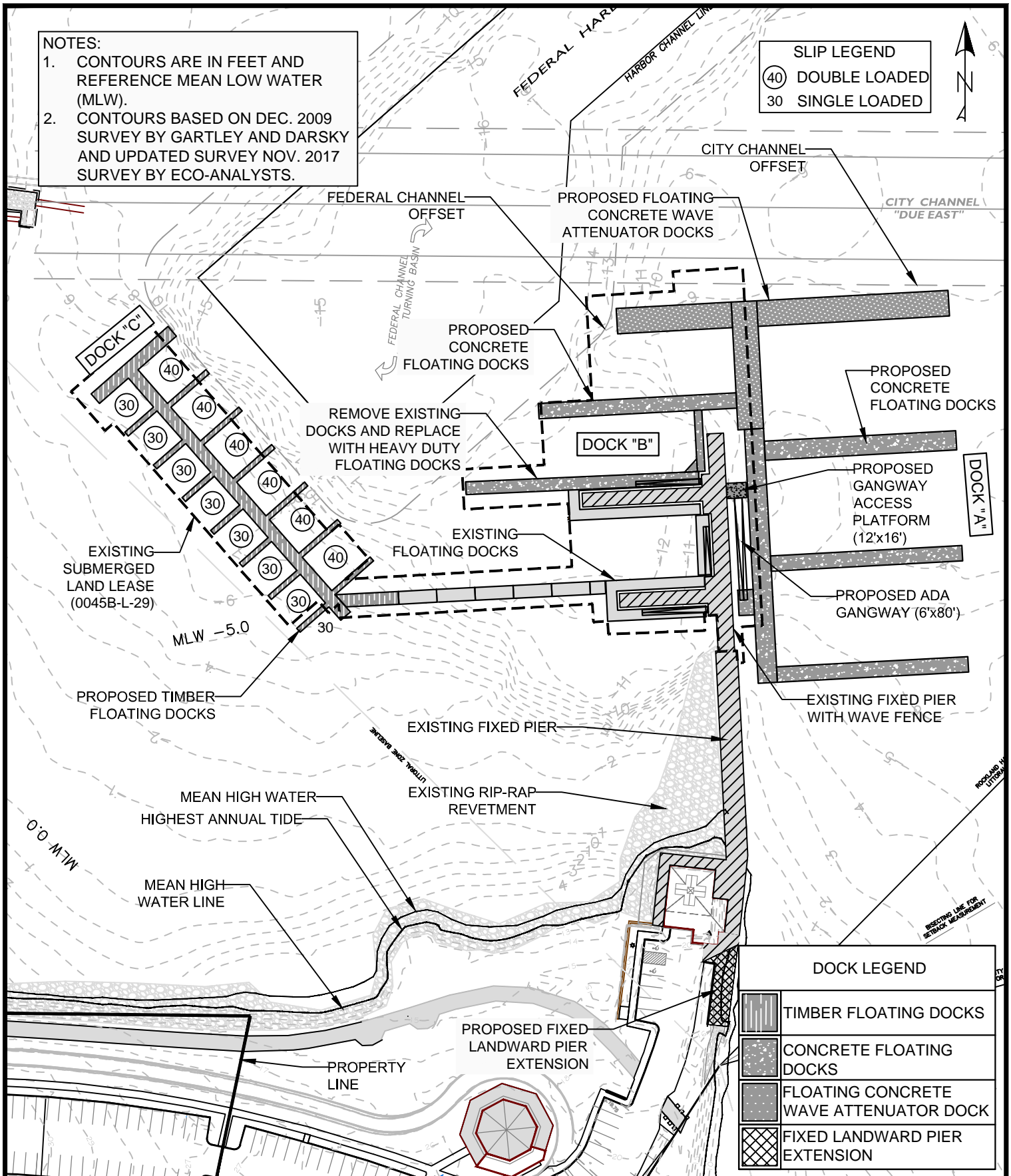
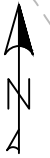
**SH ROCKLAND - NRPA APPLICATION  
EXISTING CONDITIONS PLAN  
ROCKLAND, MAINE**

SCALE: 1"=100'

JUNE 2021

**NOTES:**  
 1. CONTOURS ARE IN FEET AND REFERENCE MEAN LOW WATER (MLW).  
 2. CONTOURS BASED ON DEC. 2009 SURVEY BY GARTLEY AND DASKY AND UPDATED SURVEY NOV. 2017 SURVEY BY ECO-ANALYSTS.

**SLIP LEGEND**  
 (40) DOUBLE LOADED  
 30 SINGLE LOADED



DOCK LEGEND	
	TIMBER FLOATING DOCKS
	CONCRETE FLOATING DOCKS
	FLOATING CONCRETE WAVE ATTENUATOR DOCK
	FIXED LANDWARD PIER EXTENSION



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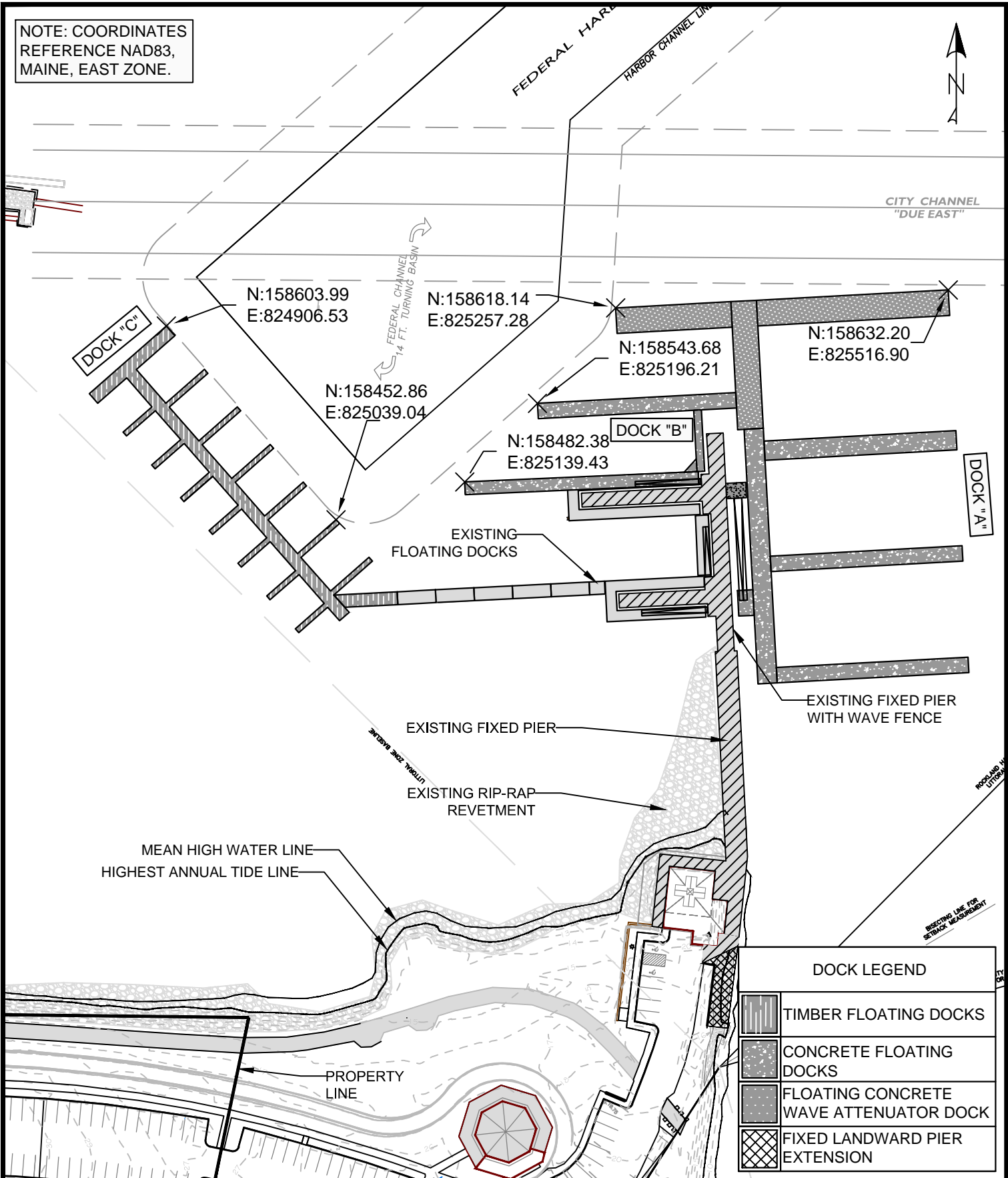
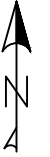
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**SH ROCKLAND - NRPA APPLICATION  
 PROPOSED IMPROVEMENTS OVERVIEW  
 ROCKLAND, MAINE**

SCALE: 1"=100'

JUNE 2021

NOTE: COORDINATES  
REFERENCE NAD83,  
MAINE, EAST ZONE.



DOCK LEGEND	
	TIMBER FLOATING DOCKS
	CONCRETE FLOATING DOCKS
	FLOATING CONCRETE WAVE ATTENUATOR DOCK
	FIXED LANDWARD PIER EXTENSION



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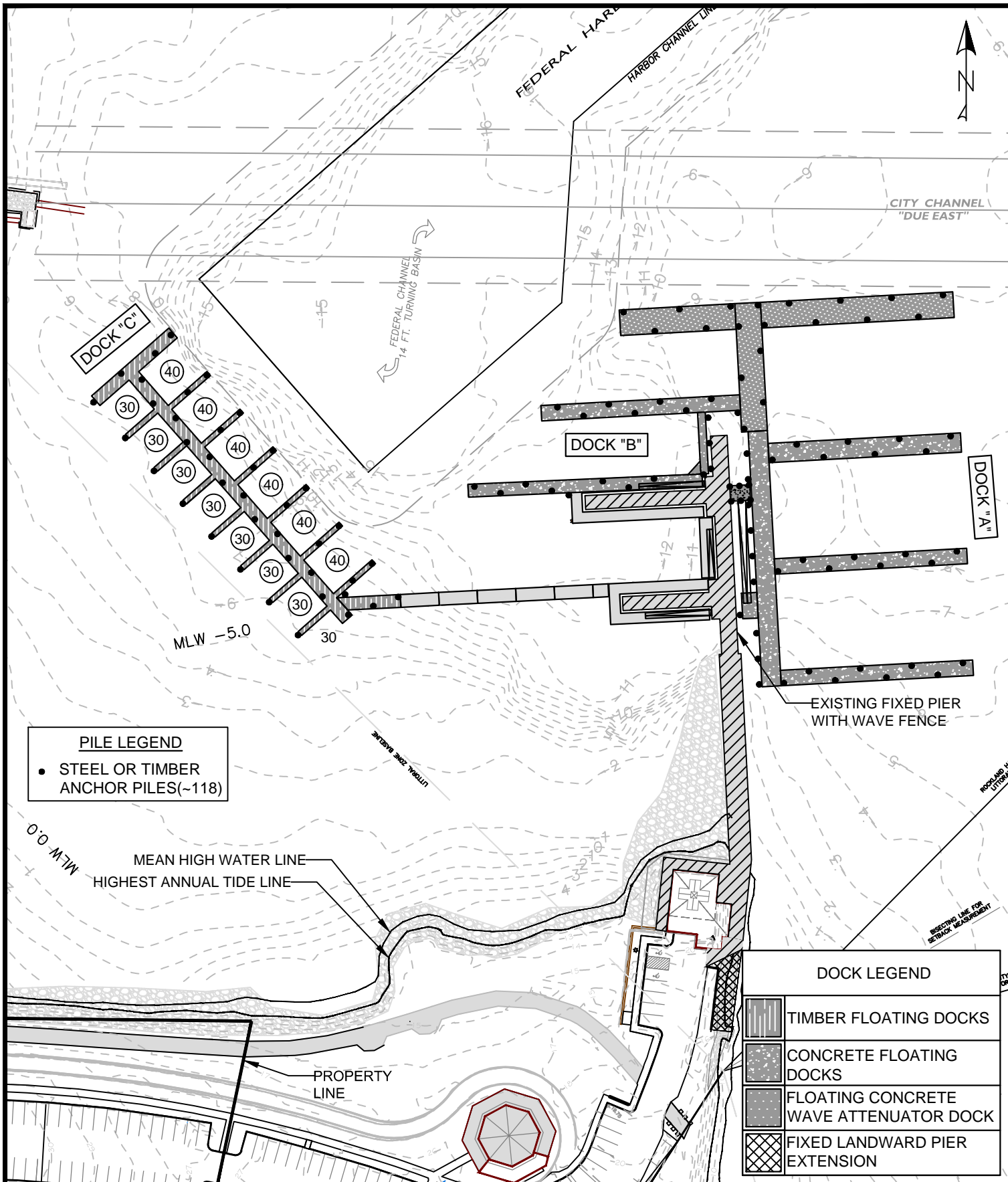
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**SH ROCKLAND - NRPA APPLICATION  
PROPOSED DOCK COORDINATES  
ROCKLAND, MAINE**

SCALE: 1"=100'

JUNE 2021



**PILE LEGEND**

- STEEL OR TIMBER ANCHOR PILES (~118)

DOCK LEGEND	
	TIMBER FLOATING DOCKS
	CONCRETE FLOATING DOCKS
	FLOATING CONCRETE WAVE ATTENUATOR DOCK
	FIXED LANDWARD PIER EXTENSION



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**SH ROCKLAND - NRPA APPLICATION  
APPROXIMATE ANCHOR PILE PLAN  
ROCKLAND, MAINE**

SCALE: 1"=100'

JUNE 2021

FEDERAL CHANNEL  
OFFSET

CITY CHANNEL  
"DUE EAST"

PROPOSED FLOATING  
CONCRETE WAVE  
ATTENUATOR DOCKS

CITY CHANNEL  
OFFSET

DOCK "A" T-HEAD

260'

20'

90'

150'

(B)

90'

51'

155'

PROPOSED  
CONCRETE  
FLOATING DOCKS

6'

15'

47'

172'

150'

DOCK "A"

(D)

PROPOSED GANGWAY  
ACCESS PLATFORM (12'x16')

75'

EXISTING GANGWAY  
(TO REMAIN)

PROPOSED ADA  
COMPLIANT GANGWAY  
(6'x80')

12'

150'

PROPOSED  
LANDING FLOAT  
(12'x20')

75'

EXISTING GANGWAY  
(TO REMAIN)




(A)

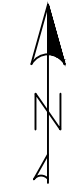
12'

150'

15'

LEGEND

	TIMBER FLOATING DOCKS
	CONCRETE FLOATING DOCKS
	FLOATING CONCRETE WAVE ATTENUATOR DOCK



**LANDMARK CORPORATION**

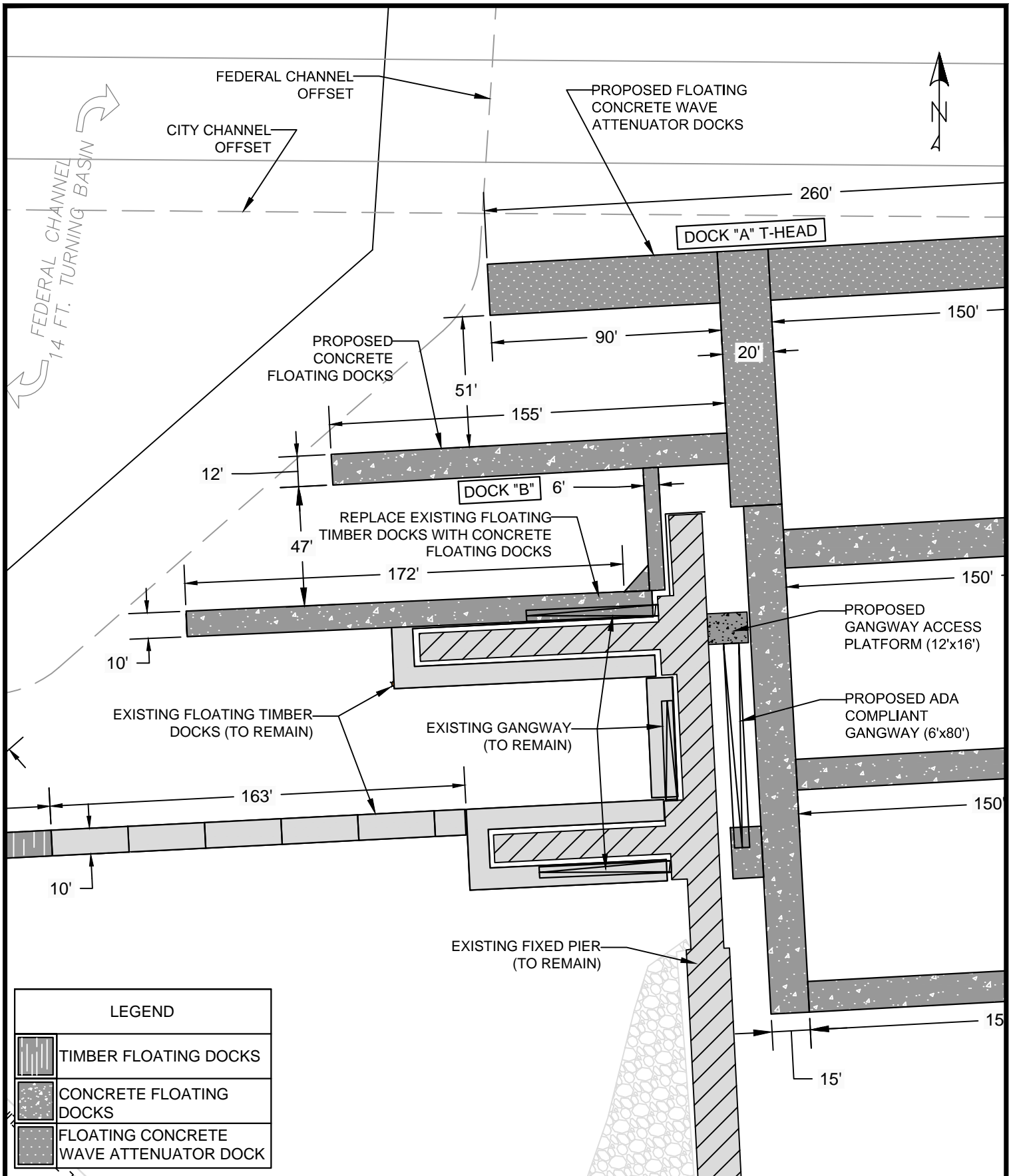
SURVEYORS & ENGINEERS




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SH ROCKLAND - NRPA APPLICATION  
DOCK A DIMENSION PLAN  
ROCKLAND, MAINE

SCALE: 1"=60'

JUNE 2021



LEGEND	
	TIMBER FLOATING DOCKS
	CONCRETE FLOATING DOCKS
	FLOATING CONCRETE WAVE ATTENUATOR DOCK



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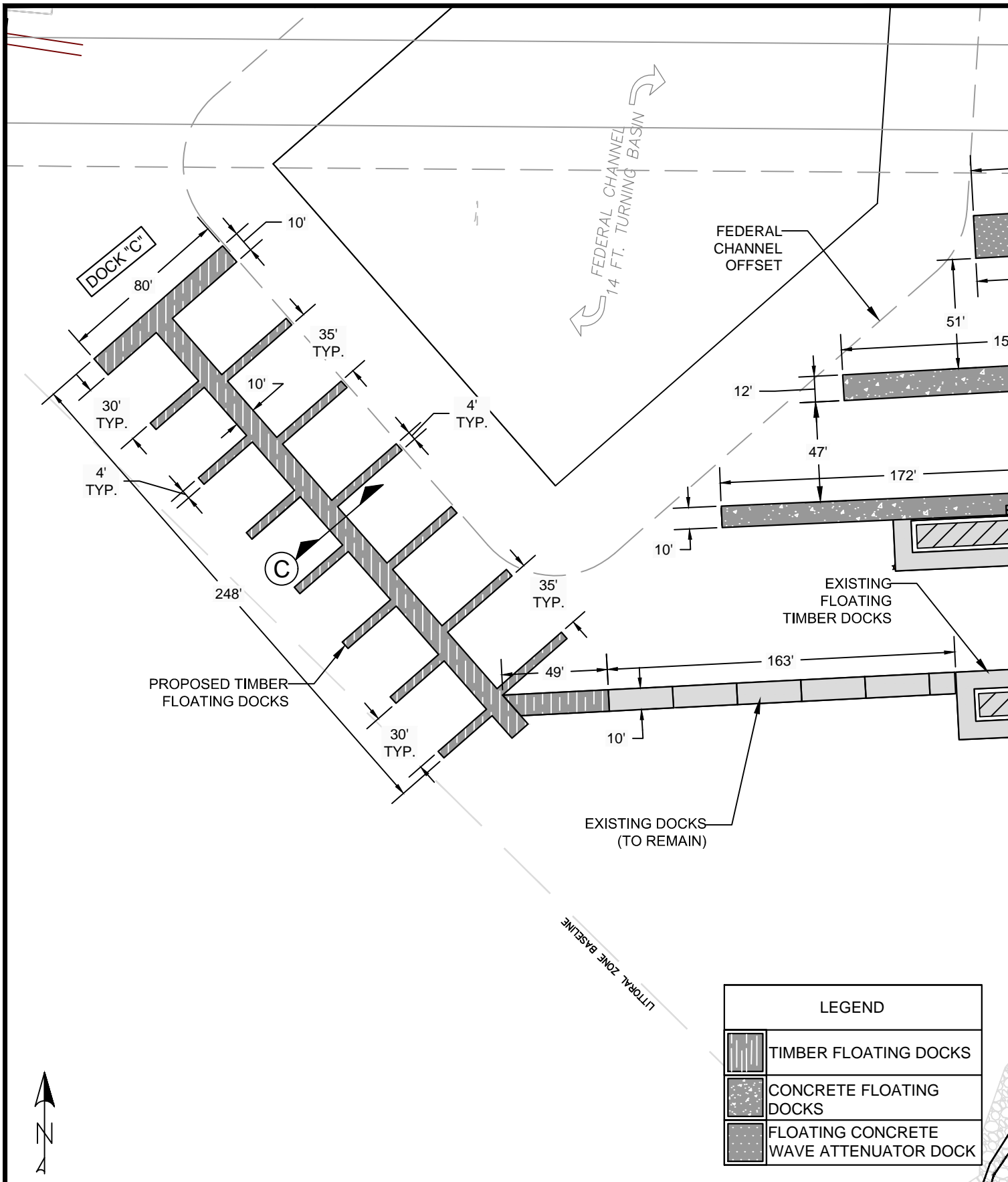
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**SH ROCKLAND - NRPA APPLICATION  
DOCK B DIMENSION PLAN  
ROCKLAND, MAINE**

SCALE: 1"=60'

JUNE 2021





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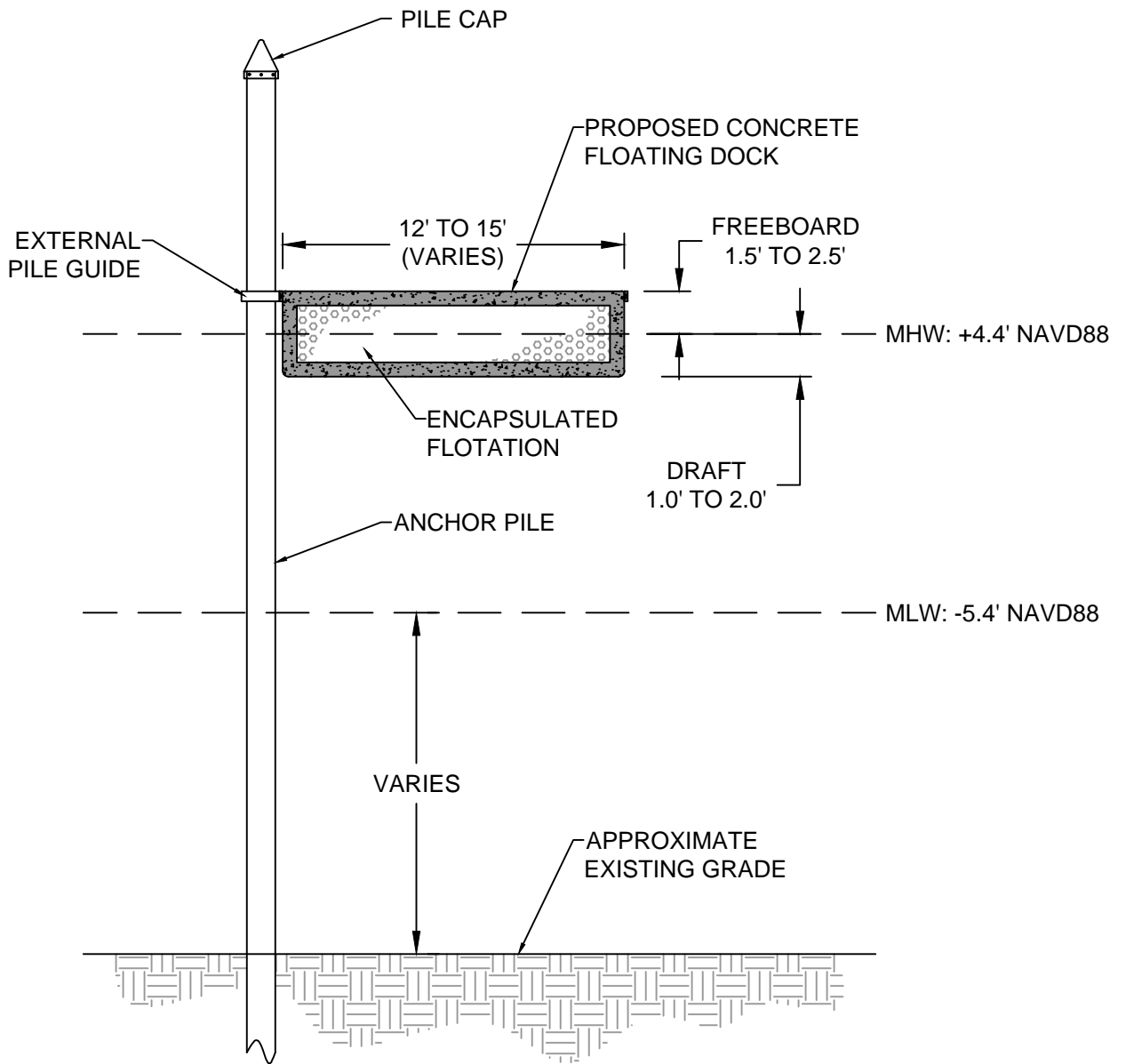
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**SH ROCKLAND - NRPA APPLICATION  
DOCK C DIMENSION PLAN  
ROCKLAND, MAINE**

SCALE: 1"=60'

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(A) TYPICAL CONCRETE FLOATING DOCK SECTION



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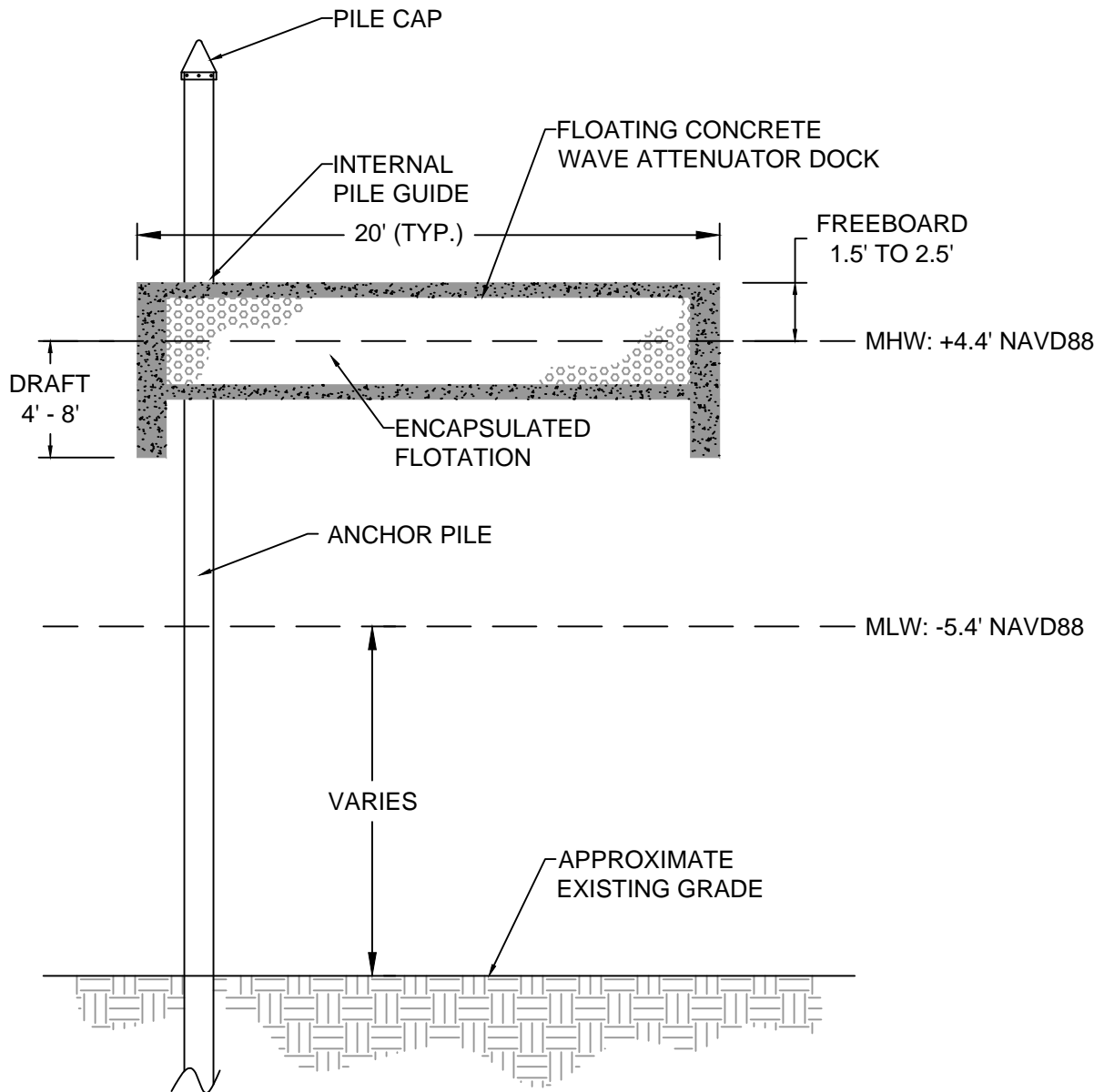
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SH ROCKLAND - NRPA APPLICATION  
 TYPICAL CONCRETE FLOATING DOCK DETAILS  
 ROCKLAND, MAINE

SCALE: 1"=6'

JUNE 2021



(B) TYPICAL FLOATING CONCRETE WAVE ATTENUATOR DOCK SECTION



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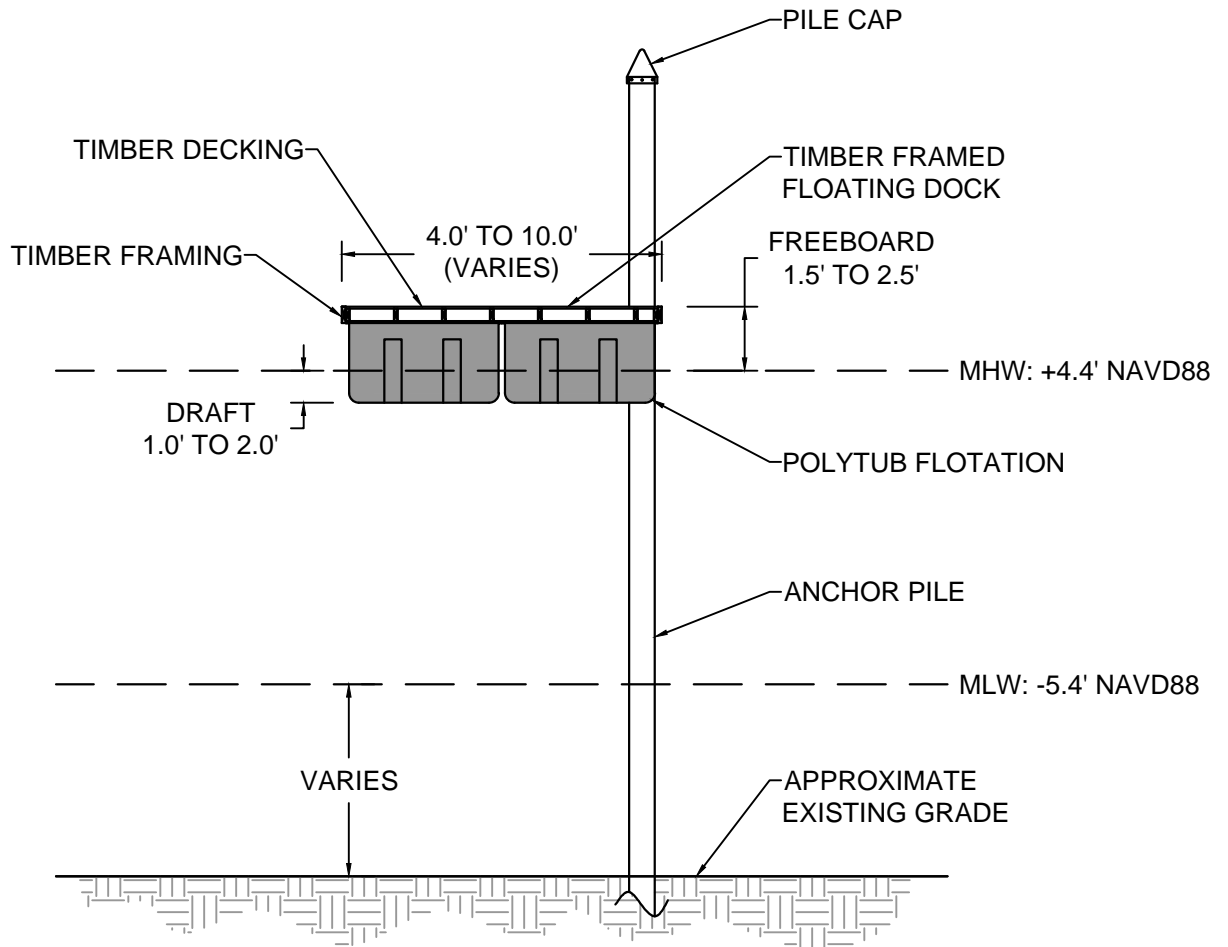
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SH ROCKLAND - NRPA APPLICATION  
TYPICAL FLOATING CONCRETE WAVE ATTENUATOR  
ROCKLAND, MAINE

SCALE: 1"=6'

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© TYPICAL TIMBER FLOATING DOCK SECTION



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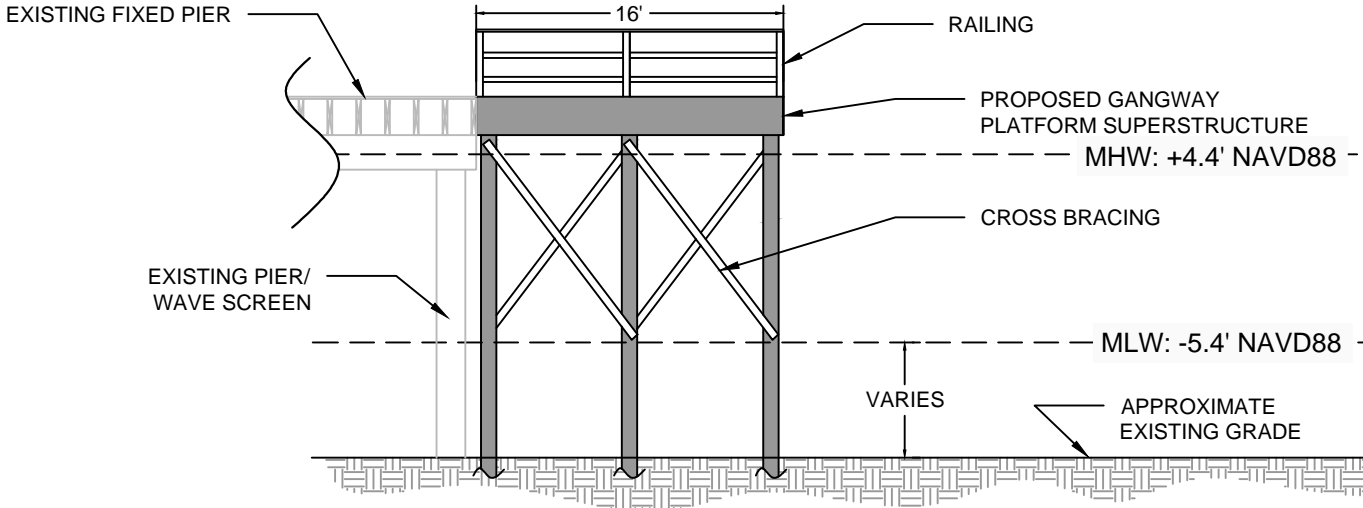
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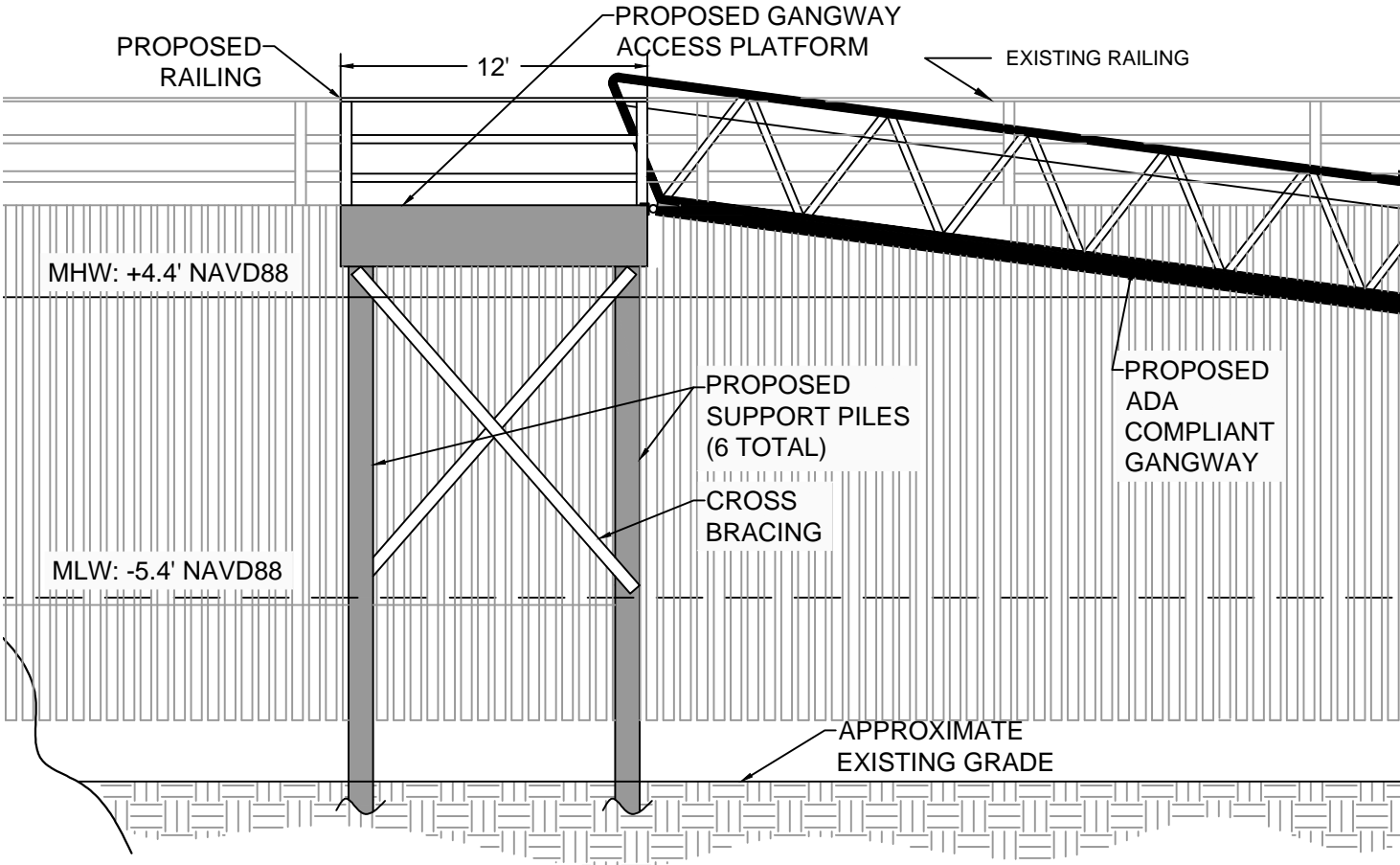
SH ROCKLAND - NRPA APPLICATION  
TYPICAL TIMBER FLOATING DOCK DETAIL  
ROCKLAND, MAINE

SCALE: 1"=6'

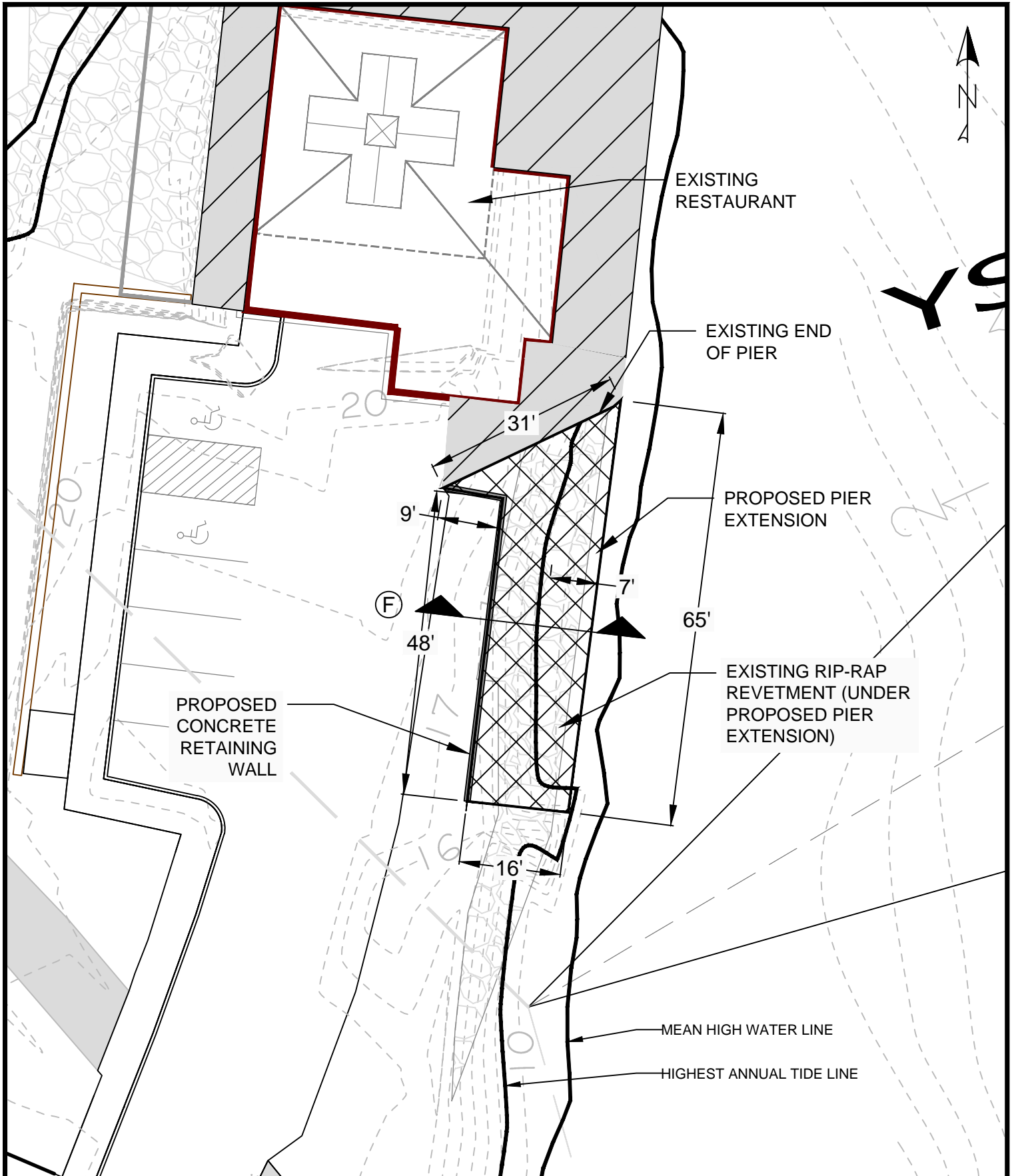
JUNE 2021



**D** TYPICAL GANGWAY ACCESS PLATFORM SECTION



**E** TYPICAL GANGWAY ACCESS PLATFORM SECTION



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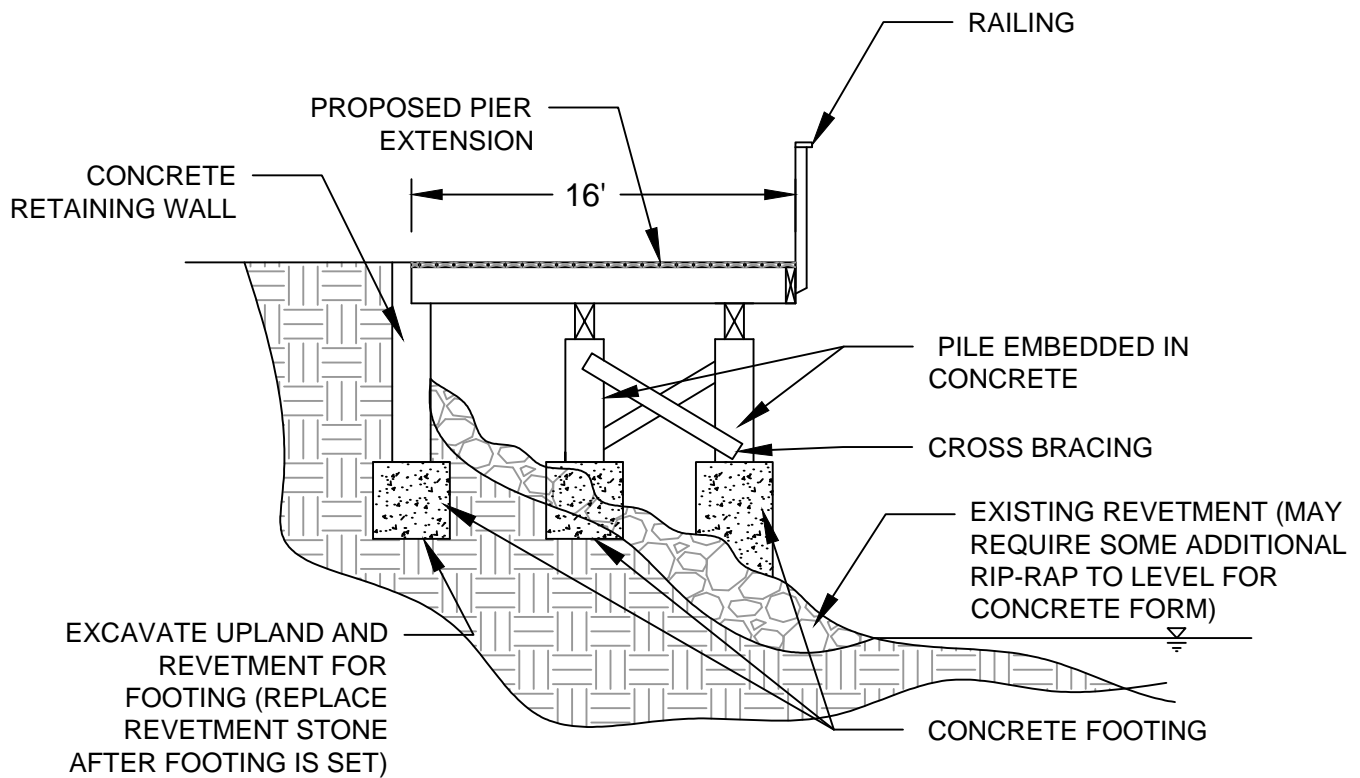
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**SH ROCKLAND - NRPA APPLICATION  
SHOREWARD PIER EXTENSION LAYOUT  
ROCKLAND, MAINE**

SCALE: 1"=20'

JUNE 2021



(F) TYPICAL LANDWARD FIXED PIER  
EXTENSION SECTION



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SH ROCKLAND - NRPA APPLICATION  
TYPICAL LANDWARD PIER EXTENSION SECTION  
ROCKLAND, MAINE

SCALE: NTS

JUNE 2021

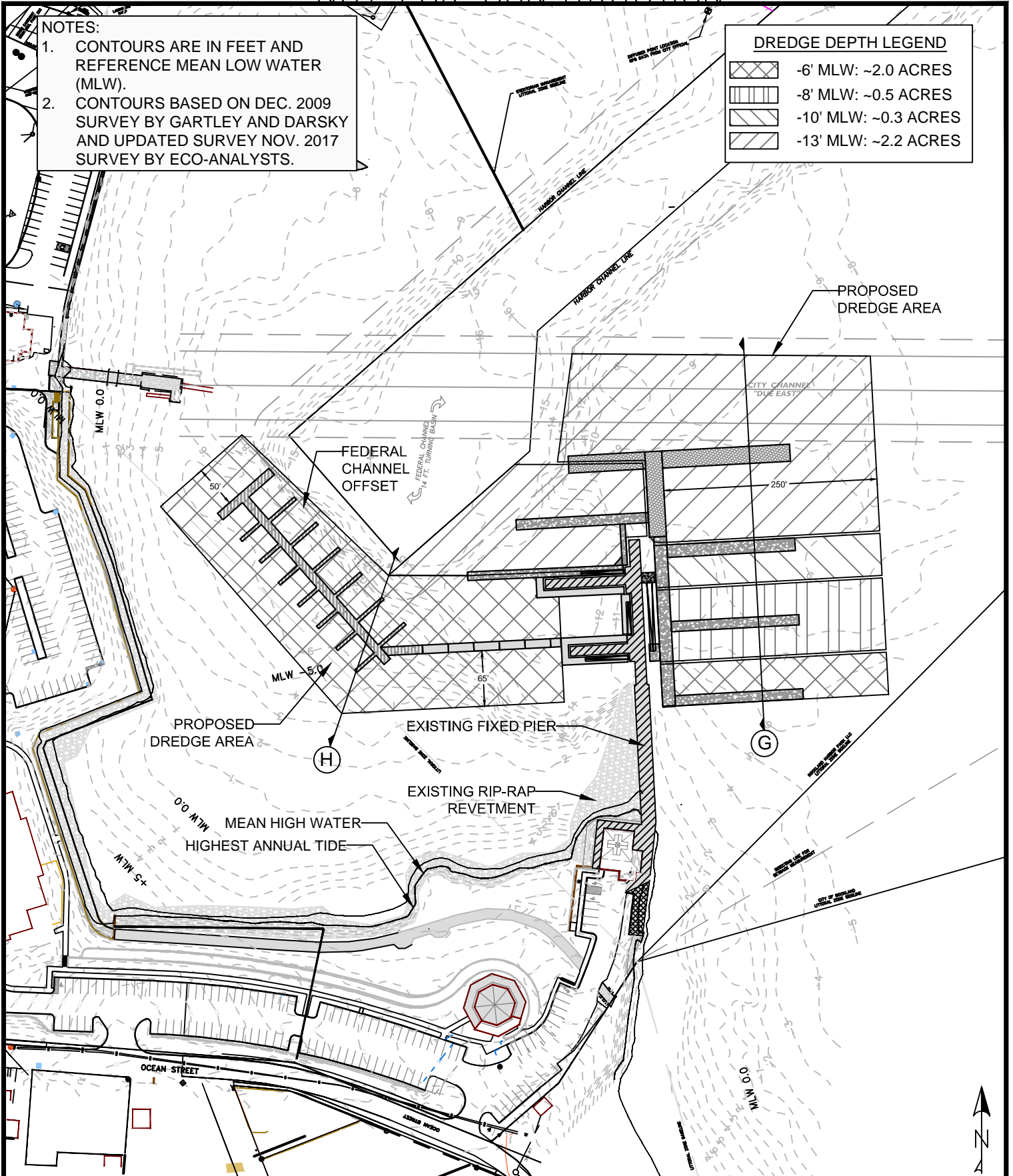
FOR PERMITTING PURPOSES ONLY  
 "NOT FOR CONSTRUCTION"

**NOTES:**

1. CONTOURS ARE IN FEET AND REFERENCE MEAN LOW WATER (MLW).
2. CONTOURS BASED ON DEC. 2009 SURVEY BY GARTLEY AND DARSKY AND UPDATED SURVEY NOV. 2017 SURVEY BY ECO-ANALYSTS.

**DREDGE DEPTH LEGEND**

	-6' MLW: ~2.0 ACRES
	-8' MLW: ~0.5 ACRES
	-10' MLW: ~0.3 ACRES
	-13' MLW: ~2.2 ACRES



**LANDMARK CORPORATION**

SURVEYORS & ENGINEERS

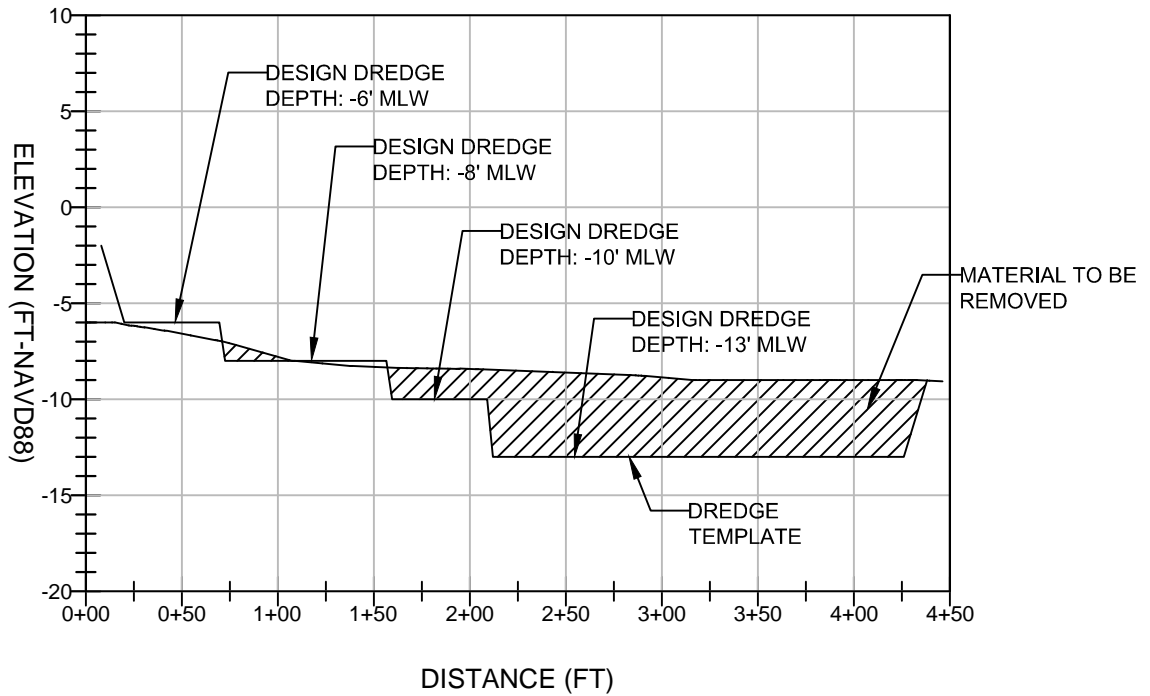
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**SH ROCKLAND - NRPA APPLICATION  
 PROPOSED DREDGE PLAN  
 ROCKLAND, MAINE**

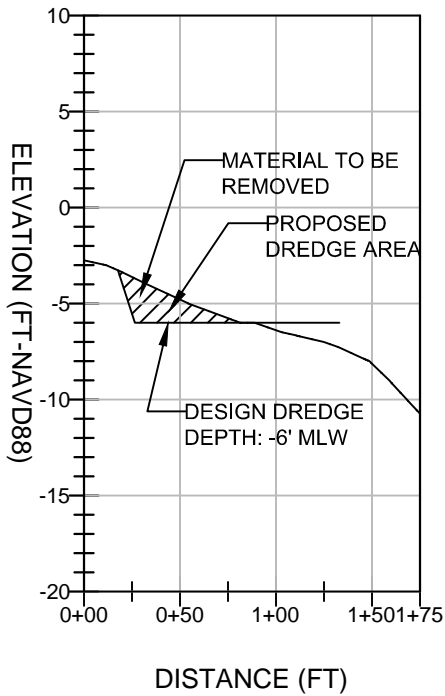
SCALE: 1"=150'

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Ⓒ TYPICAL DREDGE PROFILE



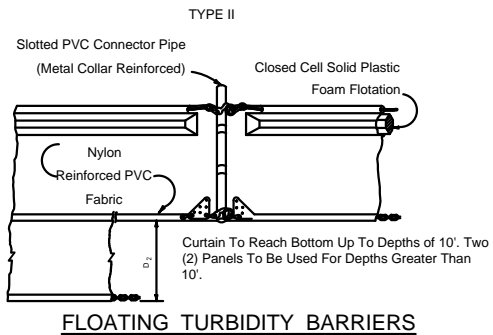
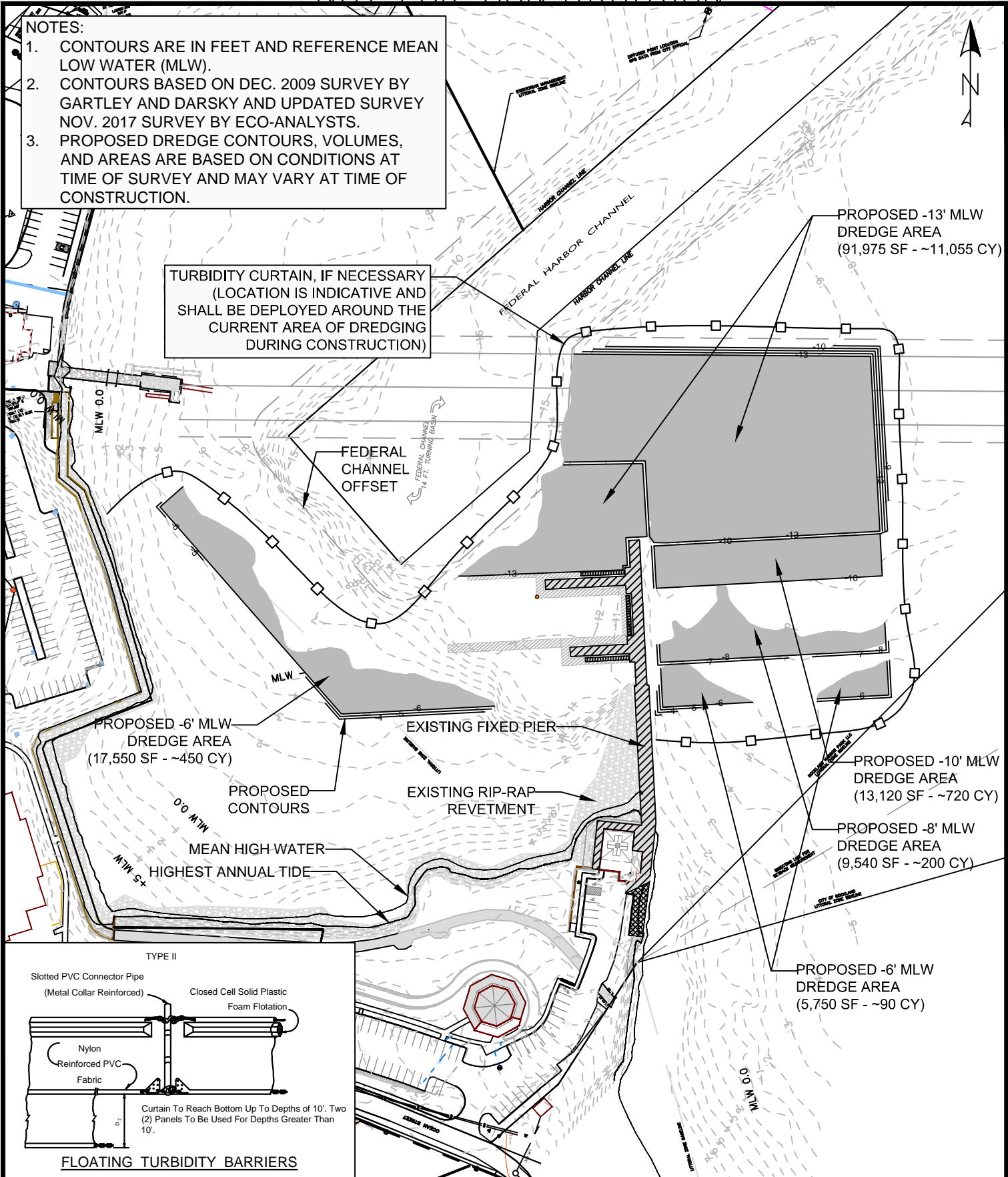
Ⓓ TYPICAL DREDGE PROFILE

- NOTES:
1. PROFILES ARE IN FEET AND REFERENCE MEAN LOW WATER (MLW).
  2. PROFILES BASED ON DEC. 2009 SURVEY BY GARTLEY AND DASKY AND UPDATED SURVEY NOV. 2017 SURVEY BY ECO-ANALYSTS.

FOR PERMITTING PURPOSES ONLY  
 "NOT FOR CONSTRUCTION"

- NOTES:
1. CONTOURS ARE IN FEET AND REFERENCE MEAN LOW WATER (MLW).
  2. CONTOURS BASED ON DEC. 2009 SURVEY BY GARTLEY AND DASKY AND UPDATED SURVEY NOV. 2017 SURVEY BY ECO-ANALYSTS.
  3. PROPOSED DREDGE CONTOURS, VOLUMES, AND AREAS ARE BASED ON CONDITIONS AT TIME OF SURVEY AND MAY VARY AT TIME OF CONSTRUCTION.

TURBIDITY CURTAIN, IF NECESSARY (LOCATION IS INDICATIVE AND SHALL BE DEPLOYED AROUND THE CURRENT AREA OF DREDGING DURING CONSTRUCTION)



**LANDMARK CORPORATION**  
 SURVEYORS & ENGINEERS

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**SH ROCKLAND - NRPA APPLICATION**  
**TURBIDITY CONTROL NOTES AND DETAILS**  
**ROCKLAND, MAINE**

SCALE: 1"=150'

JUNE 2021