

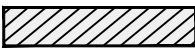










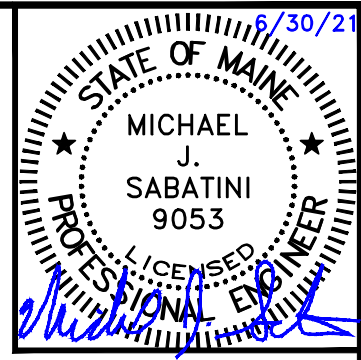
ATTACHMENT 5

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
-  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
-  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.



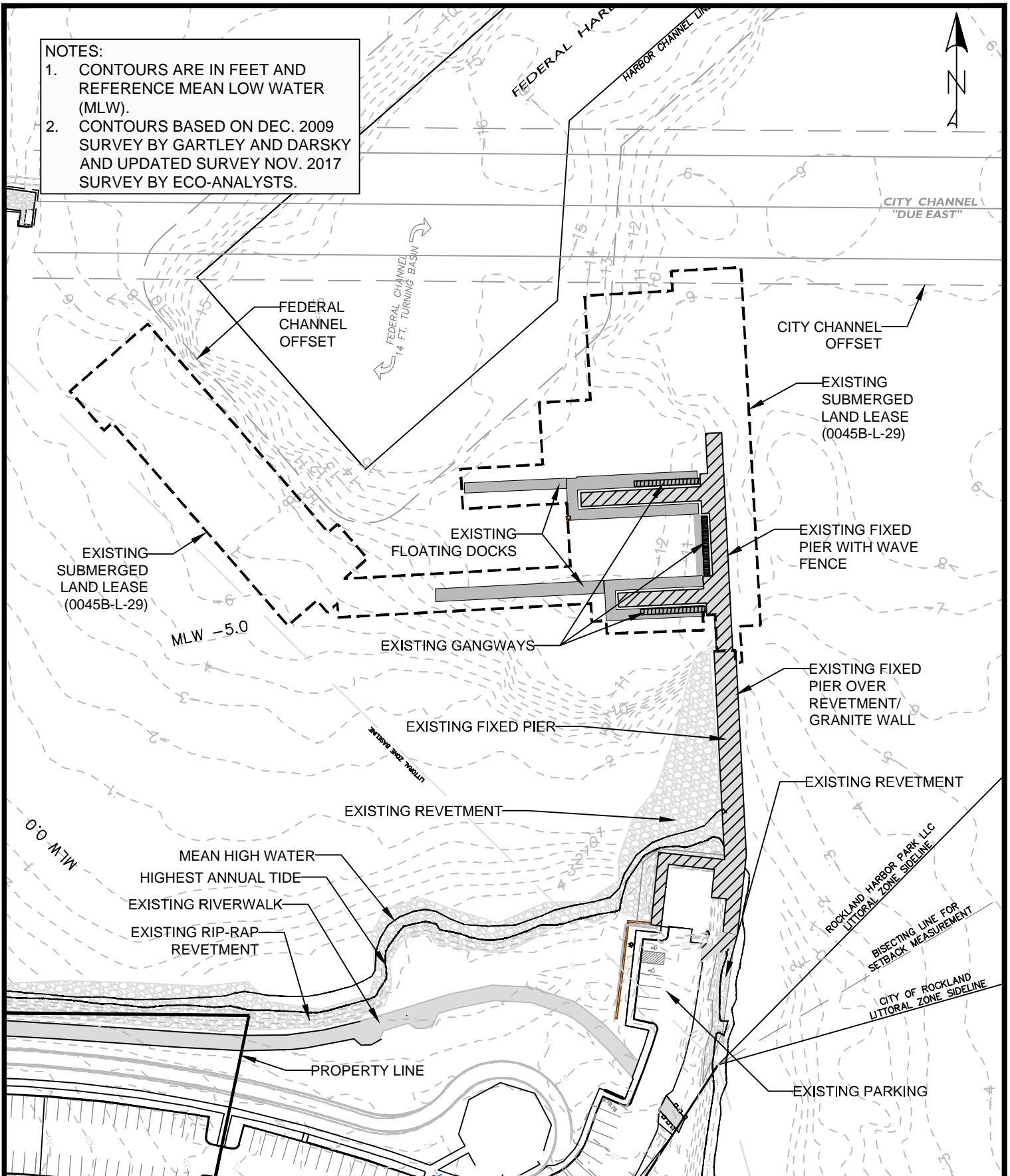
**SH ROCKLAND - MARINA EXPANSION
NRPA PERMIT APPLICATION
ROCKLAND, MAINE**

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.



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SURVEYORS & ENGINEERS

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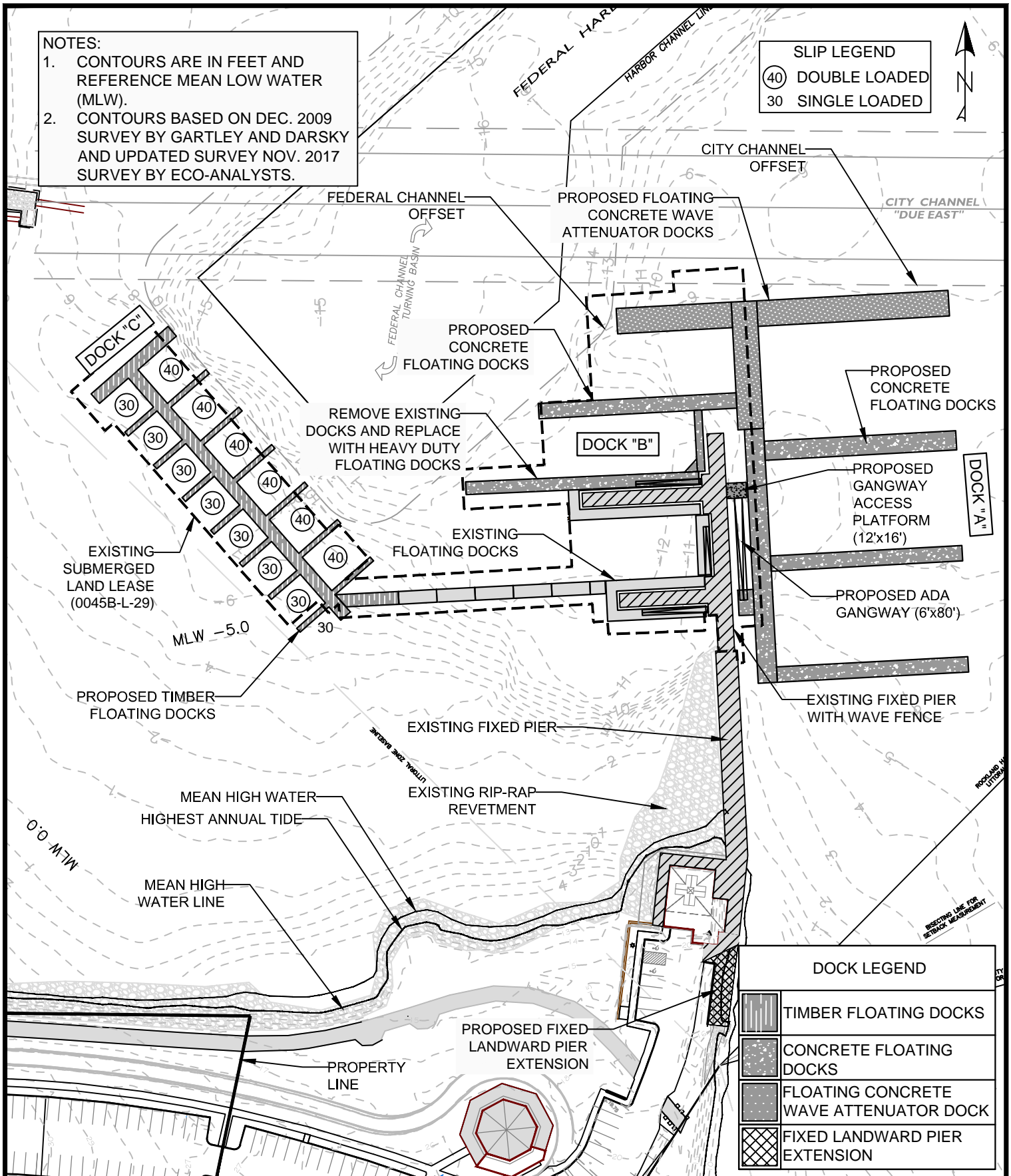
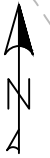
**SH ROCKLAND - NRPA APPLICATION
EXISTING CONDITIONS PLAN
ROCKLAND, MAINE**

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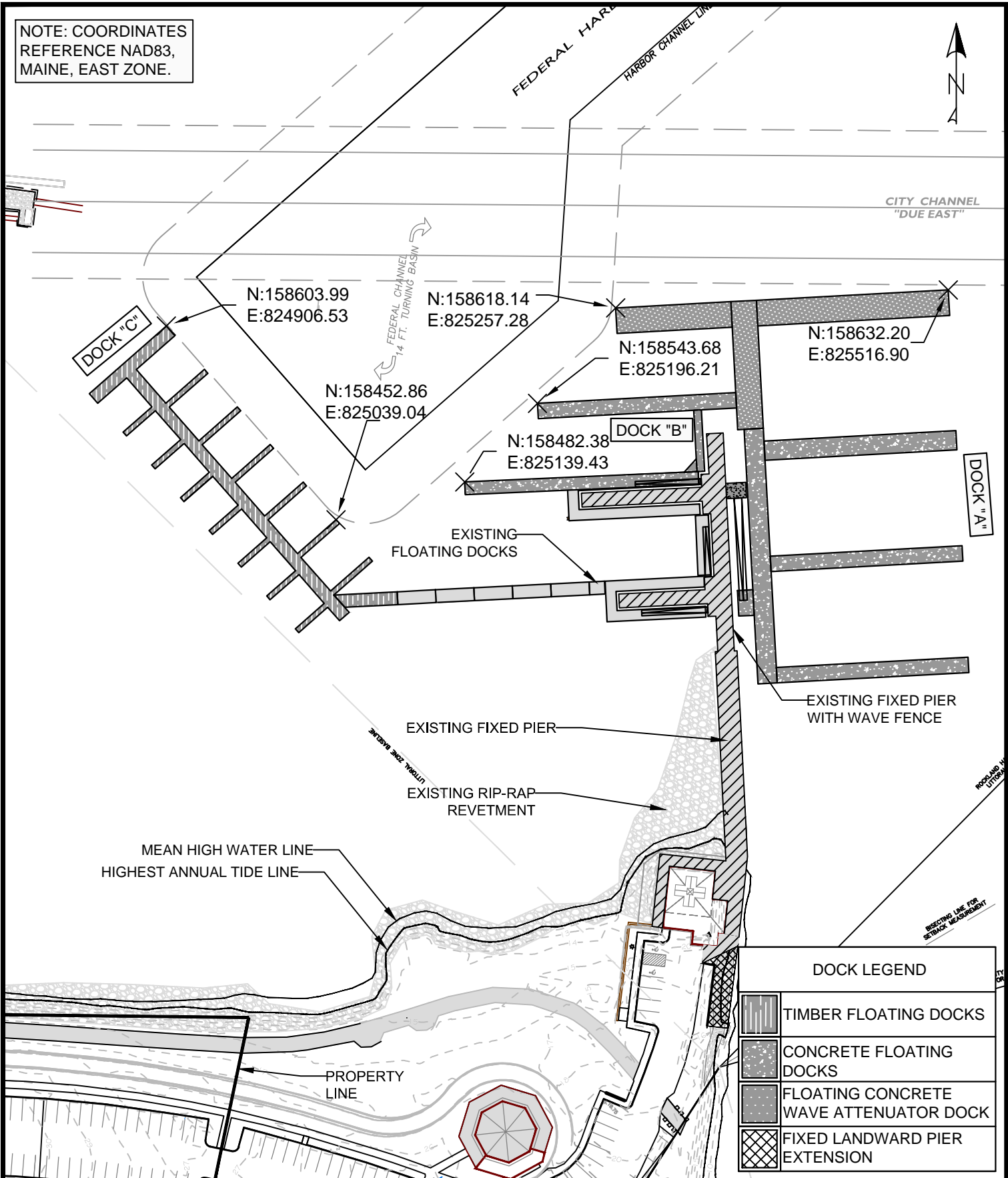
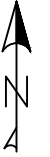
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**SH ROCKLAND - NRPA APPLICATION
 PROPOSED IMPROVEMENTS OVERVIEW
 ROCKLAND, MAINE**

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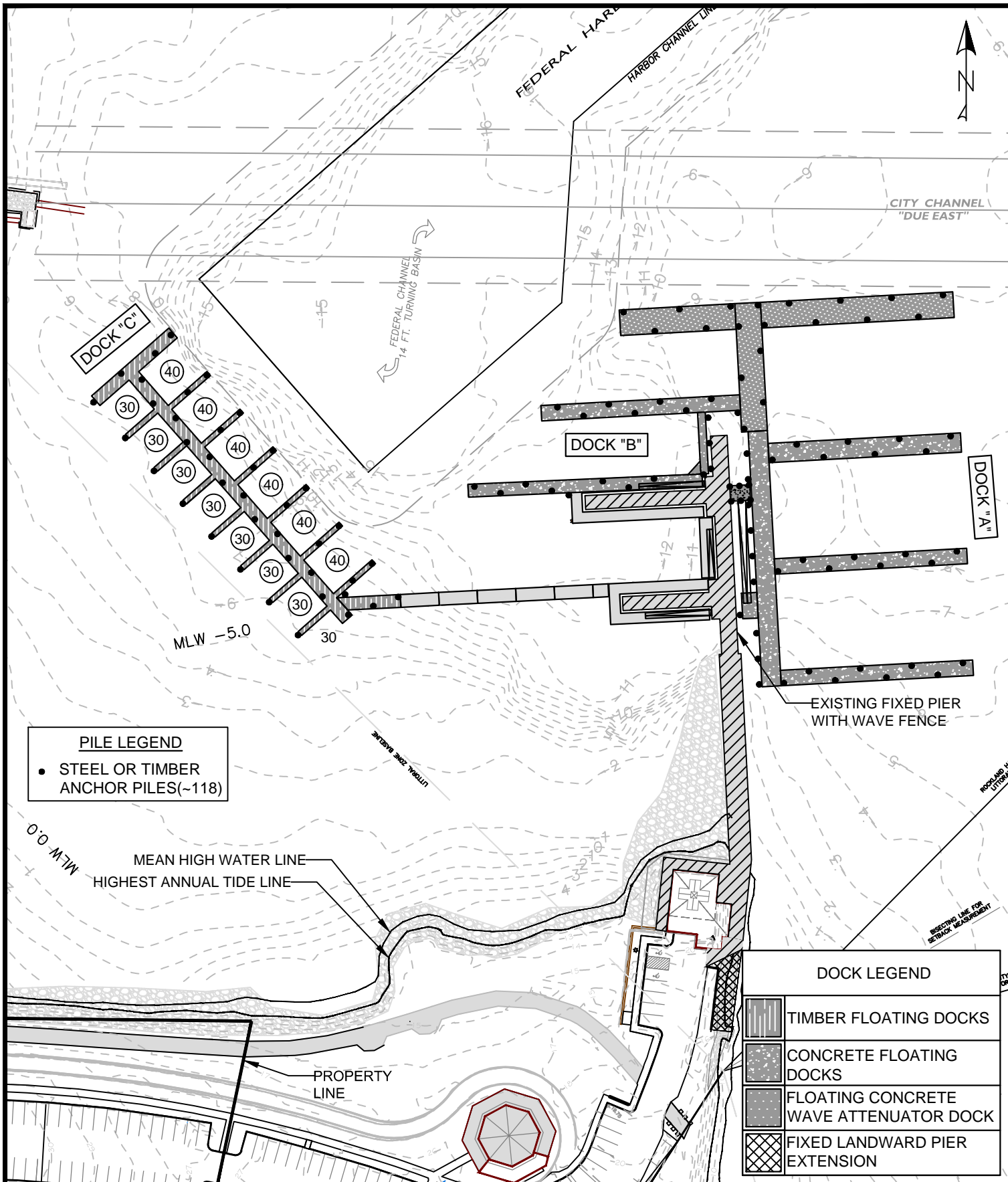
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**SH ROCKLAND - NRPA APPLICATION
PROPOSED DOCK COORDINATES
ROCKLAND, MAINE**

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)

51'

155'

90'

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)

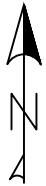
12'

150'

15'

LEGEND

	TIMBER FLOATING DOCKS
	CONCRETE FLOATING DOCKS
	FLOATING CONCRETE WAVE ATTENUATOR DOCK



LANDMARK CORPORATION

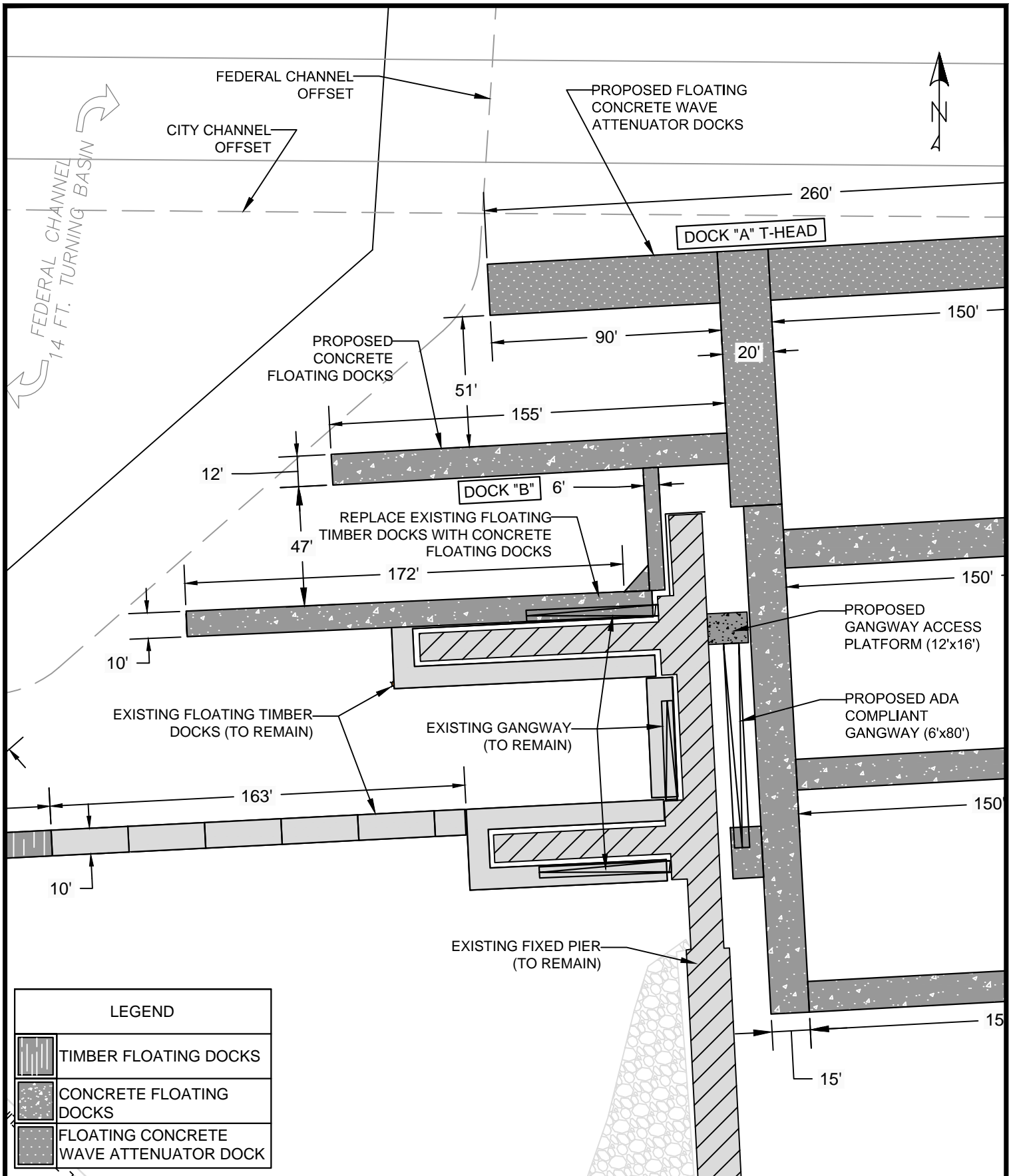
SURVEYORS & ENGINEERS




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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

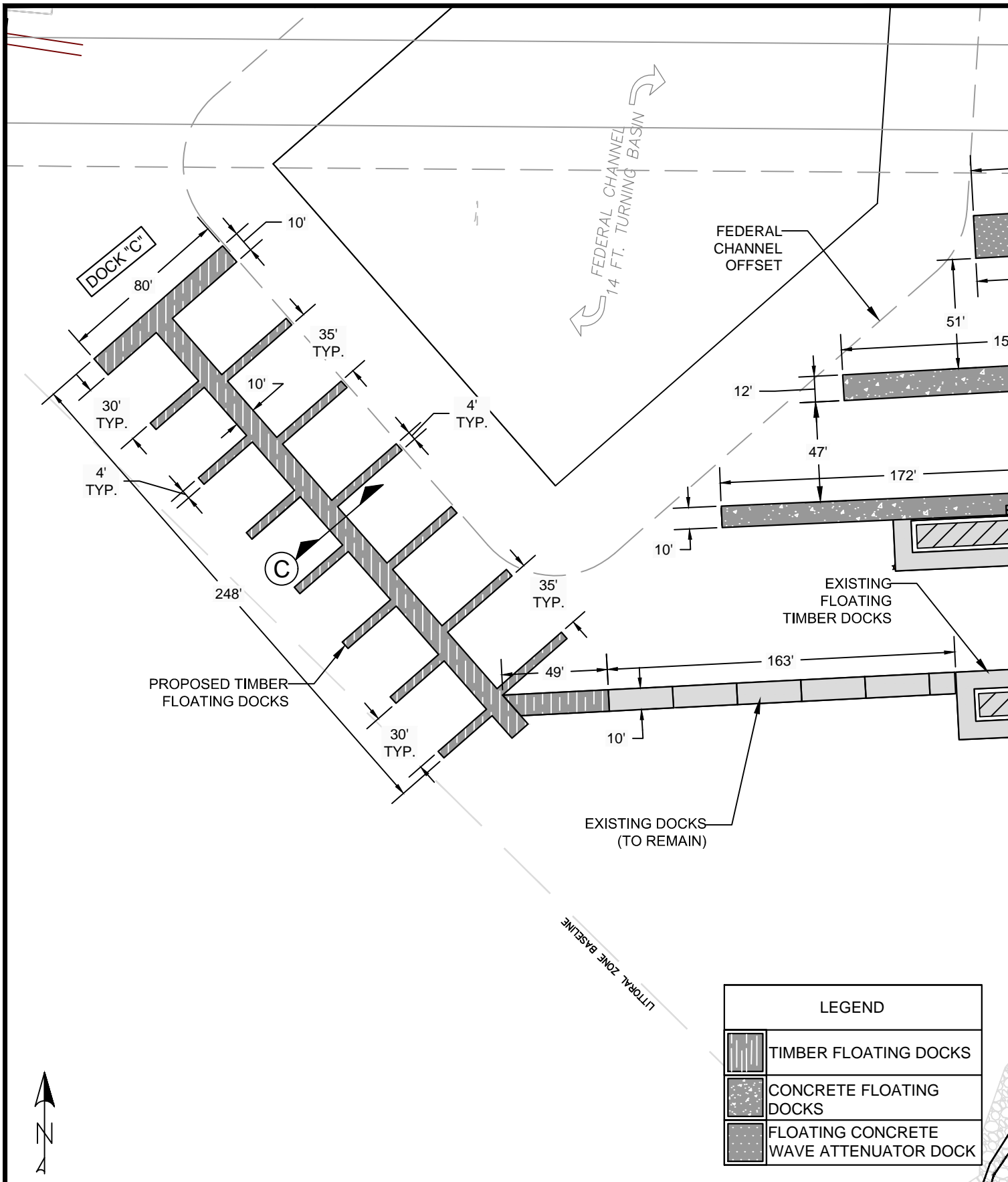


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**SH ROCKLAND - NRPA APPLICATION
DOCK B DIMENSION PLAN
ROCKLAND, MAINE**

SCALE: 1"=60'

JUNE 2021

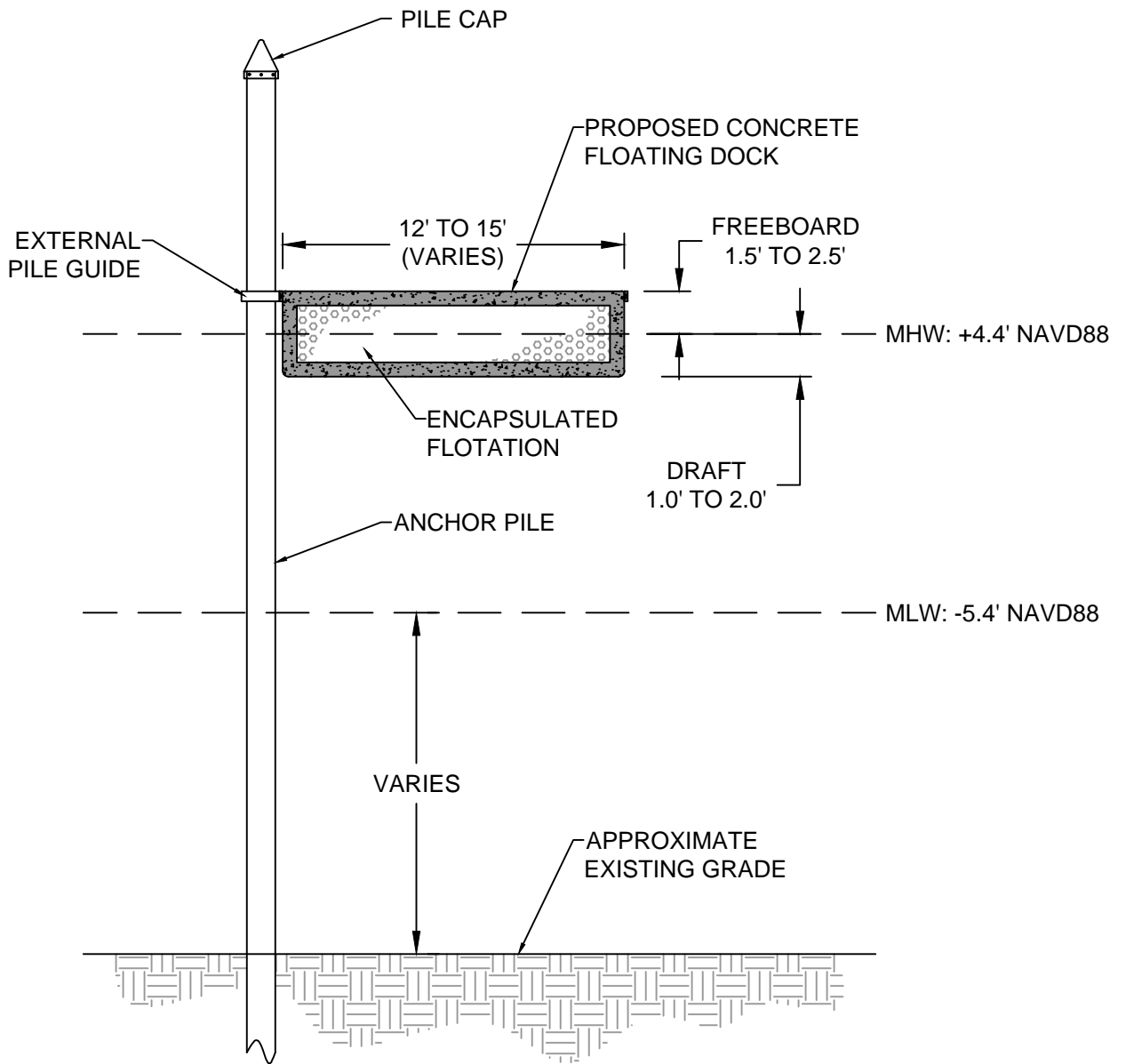


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**SH ROCKLAND - NRPA APPLICATION
 DOCK C DIMENSION PLAN
 ROCKLAND, MAINE**

SCALE: 1"=60'

JUNE 2021



(A) TYPICAL CONCRETE FLOATING DOCK SECTION



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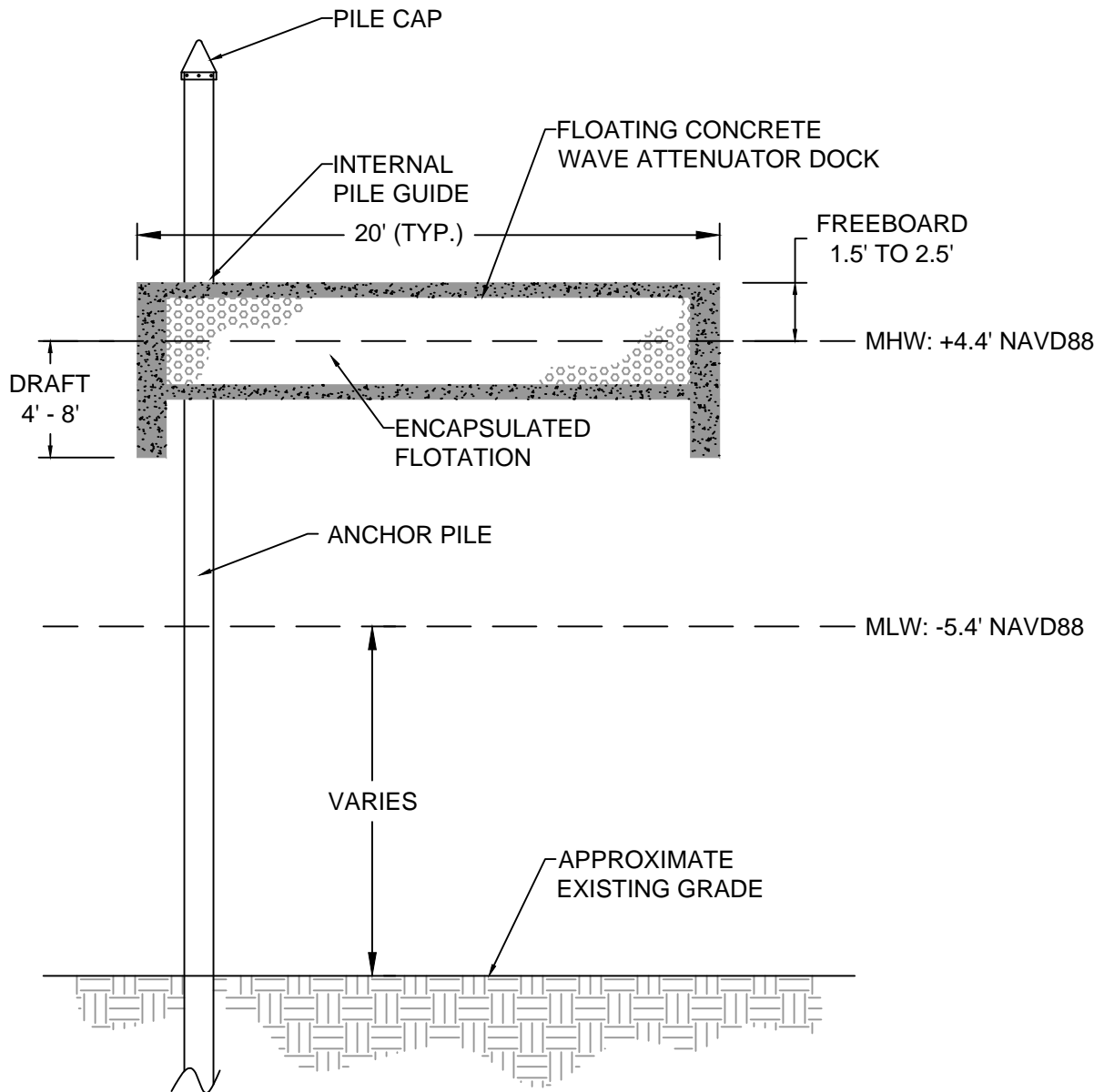
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SH ROCKLAND - NRPA APPLICATION
 TYPICAL CONCRETE FLOATING DOCK DETAILS
 ROCKLAND, MAINE

SCALE: 1"=6'

JUNE 2021



(B) TYPICAL FLOATING CONCRETE WAVE ATTENUATOR DOCK SECTION



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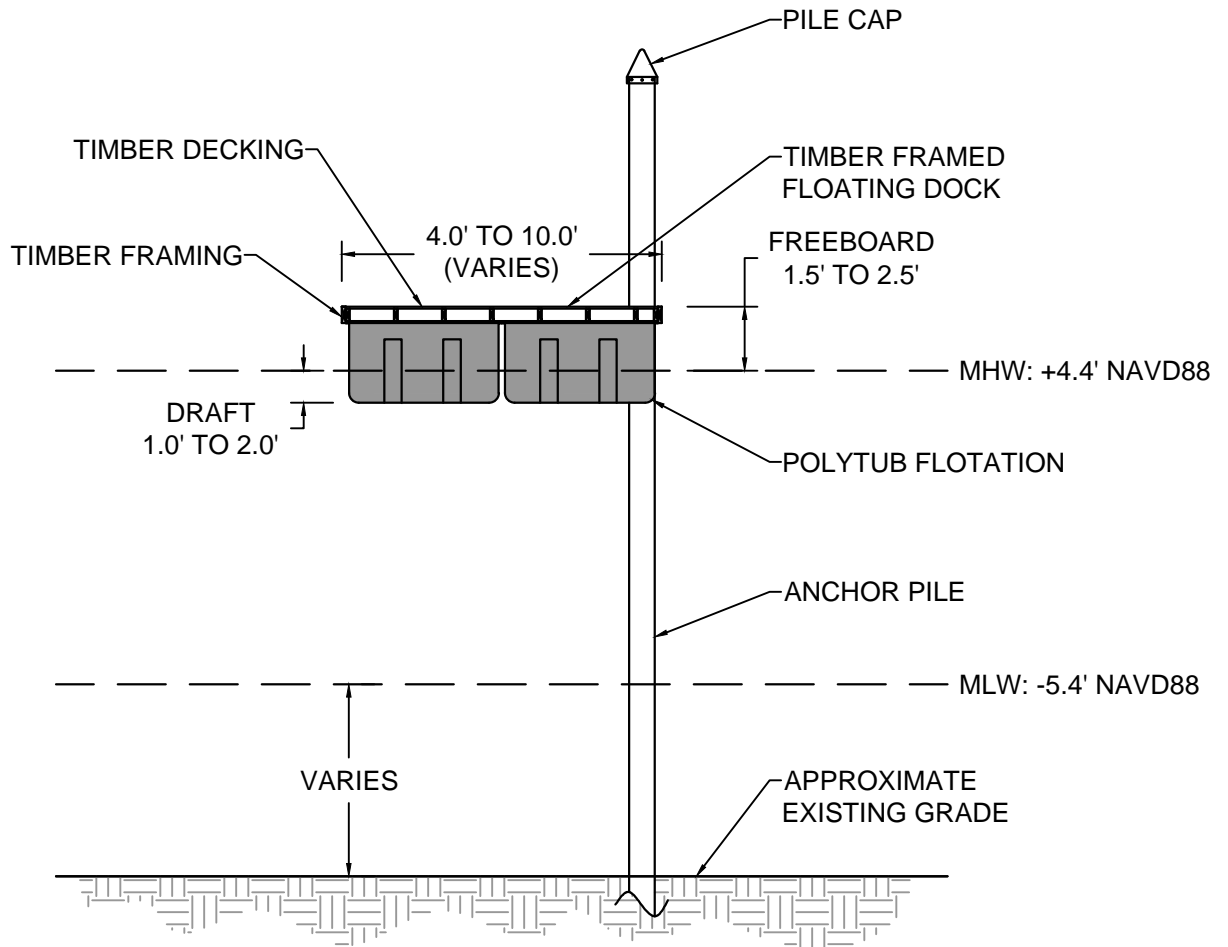
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SH ROCKLAND - NRPA APPLICATION
TYPICAL FLOATING CONCRETE WAVE ATTENUATOR
ROCKLAND, MAINE

SCALE: 1"=6'

JUNE 2021



© TYPICAL TIMBER FLOATING DOCK SECTION



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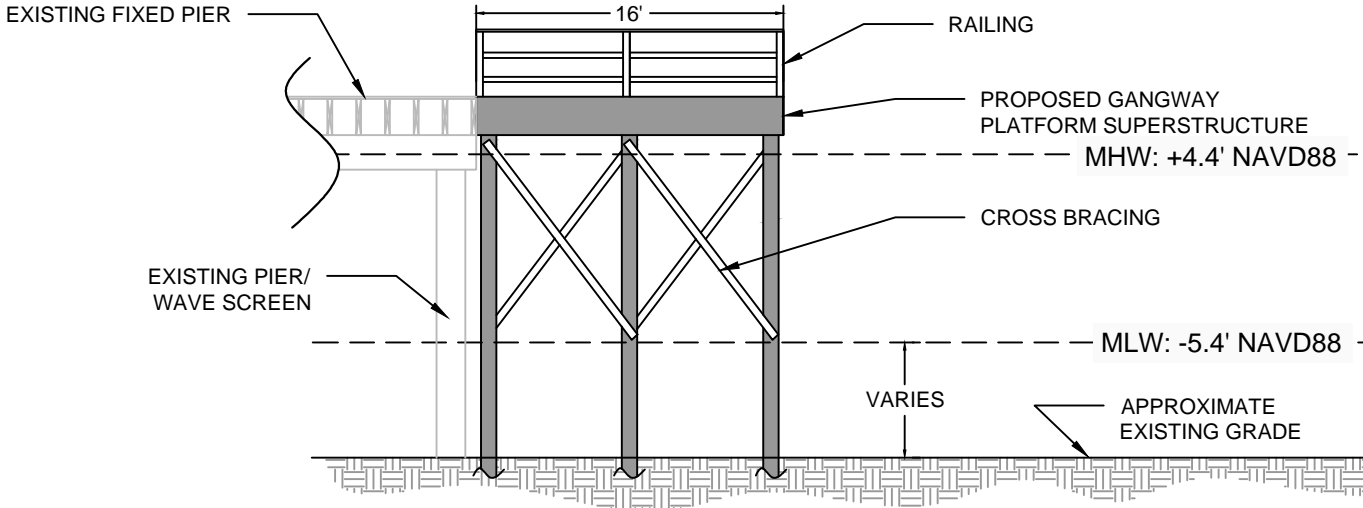
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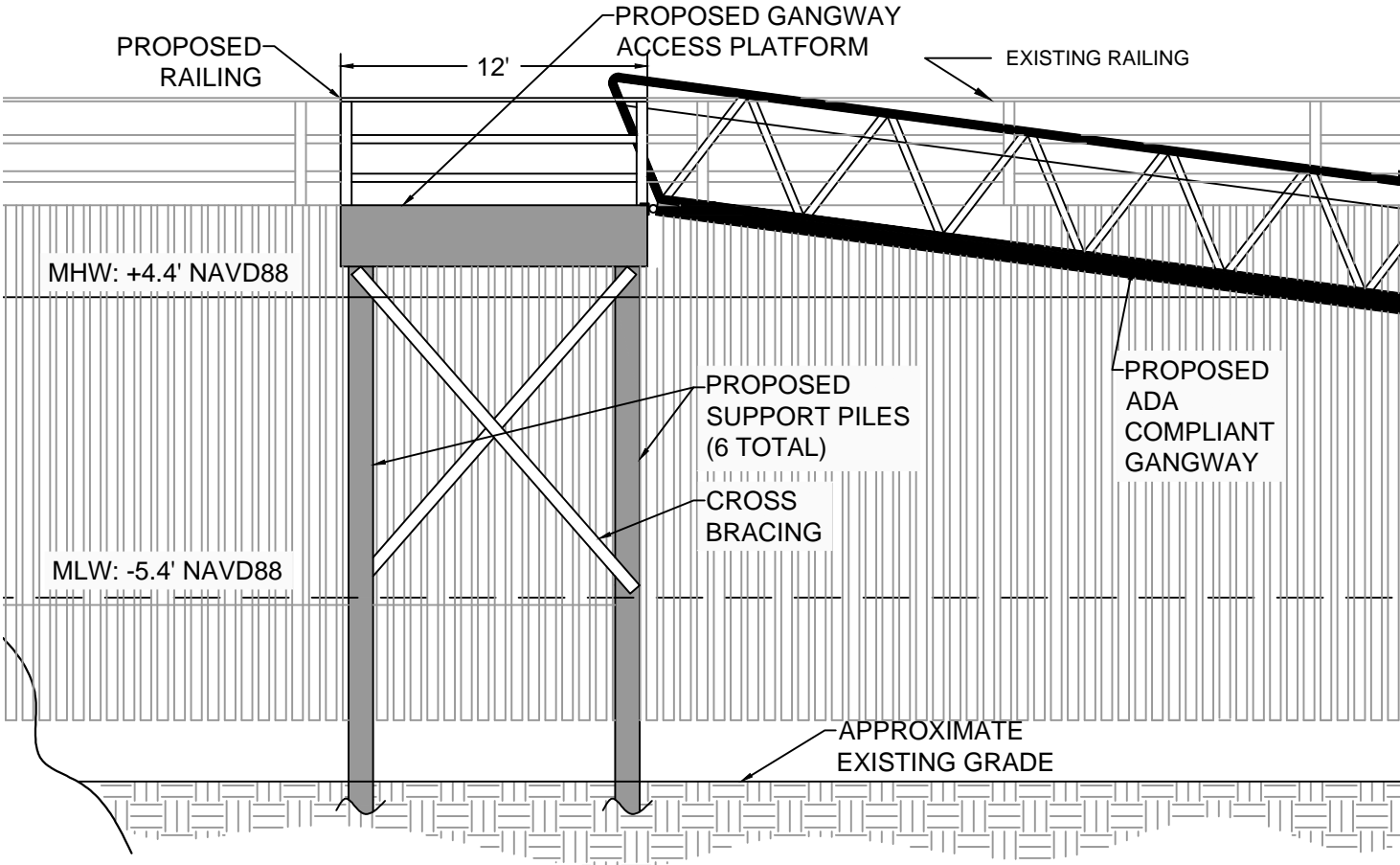
SH ROCKLAND - NRPA APPLICATION
TYPICAL TIMBER FLOATING DOCK DETAIL
ROCKLAND, MAINE

SCALE: 1"=6'

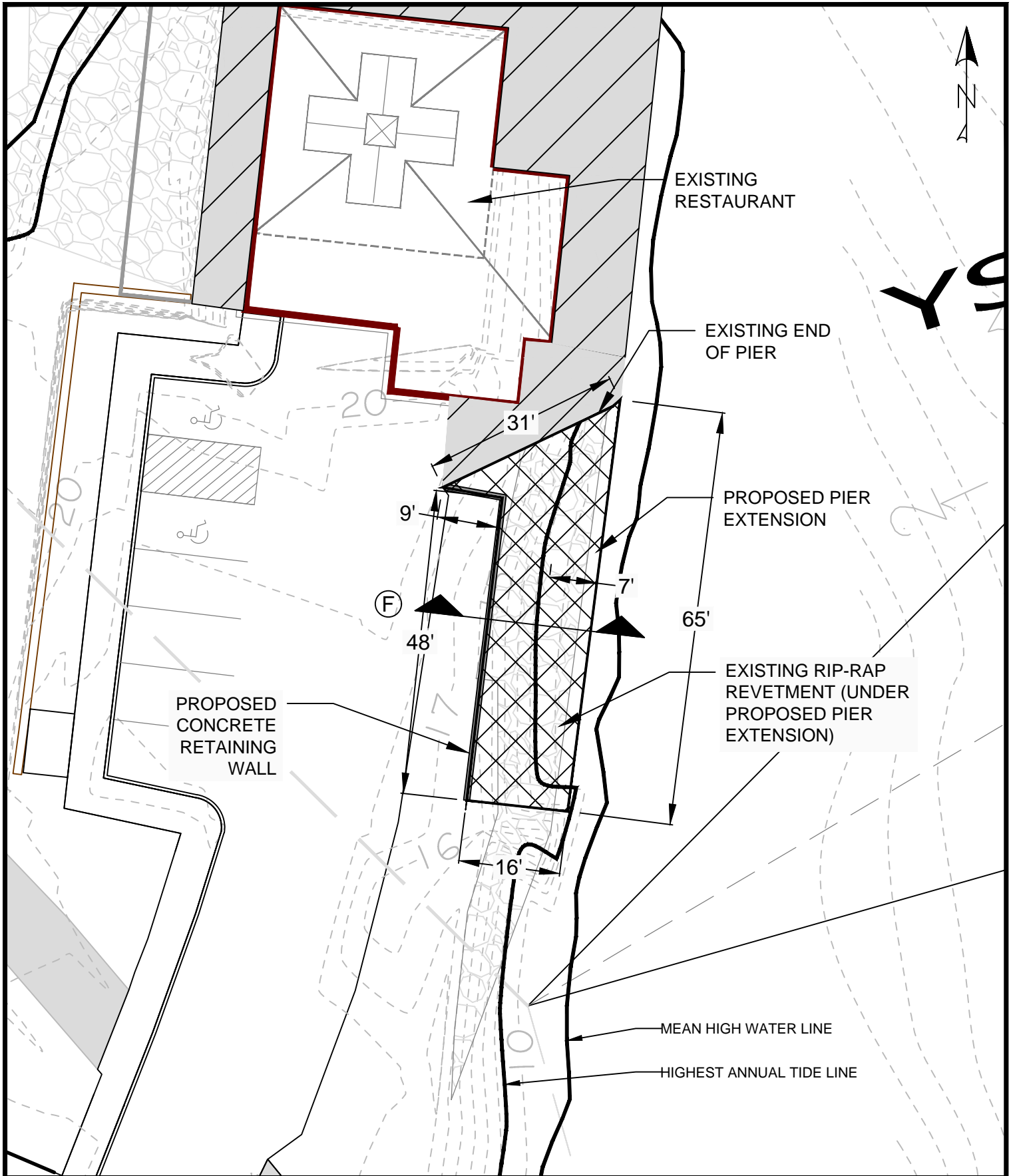
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D TYPICAL GANGWAY ACCESS PLATFORM SECTION



E TYPICAL GANGWAY ACCESS PLATFORM SECTION



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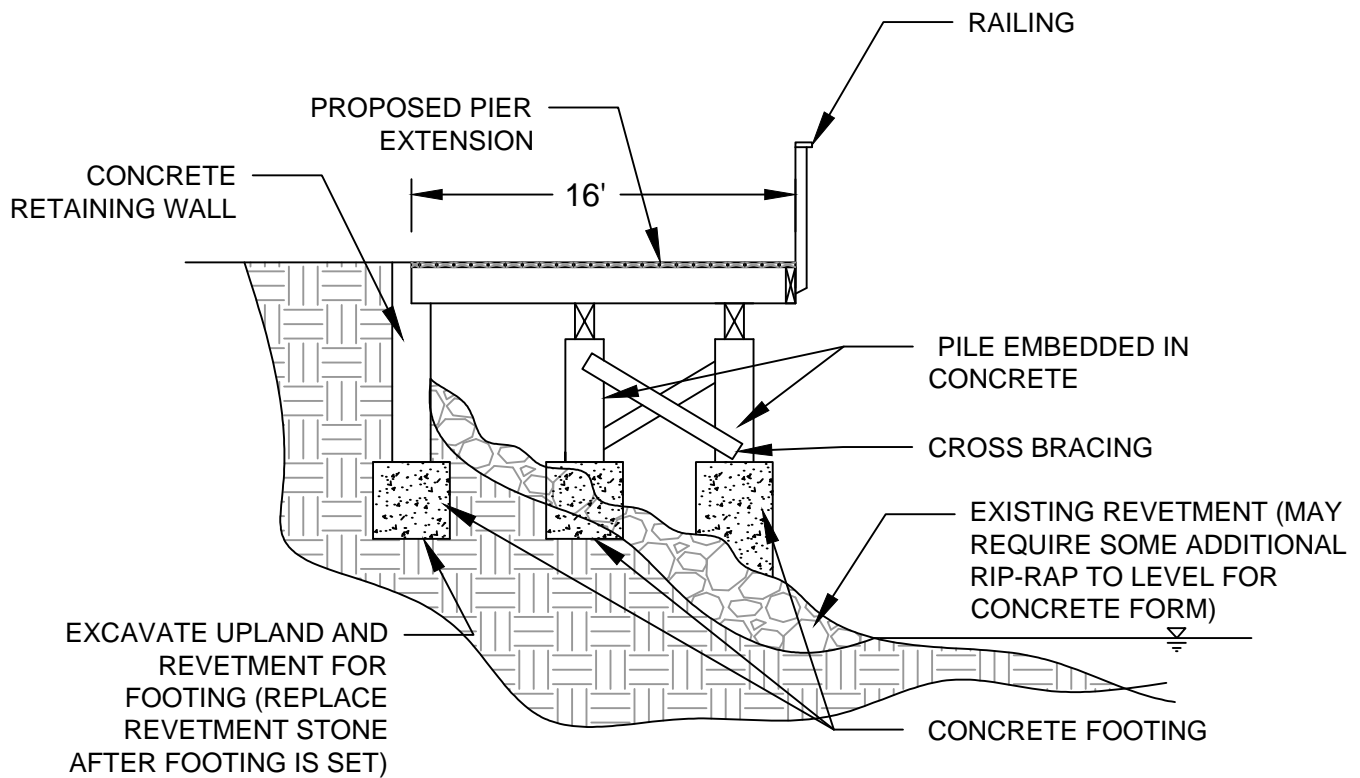
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**SH ROCKLAND - NRPA APPLICATION
SHOREWARD PIER EXTENSION LAYOUT
ROCKLAND, MAINE**

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

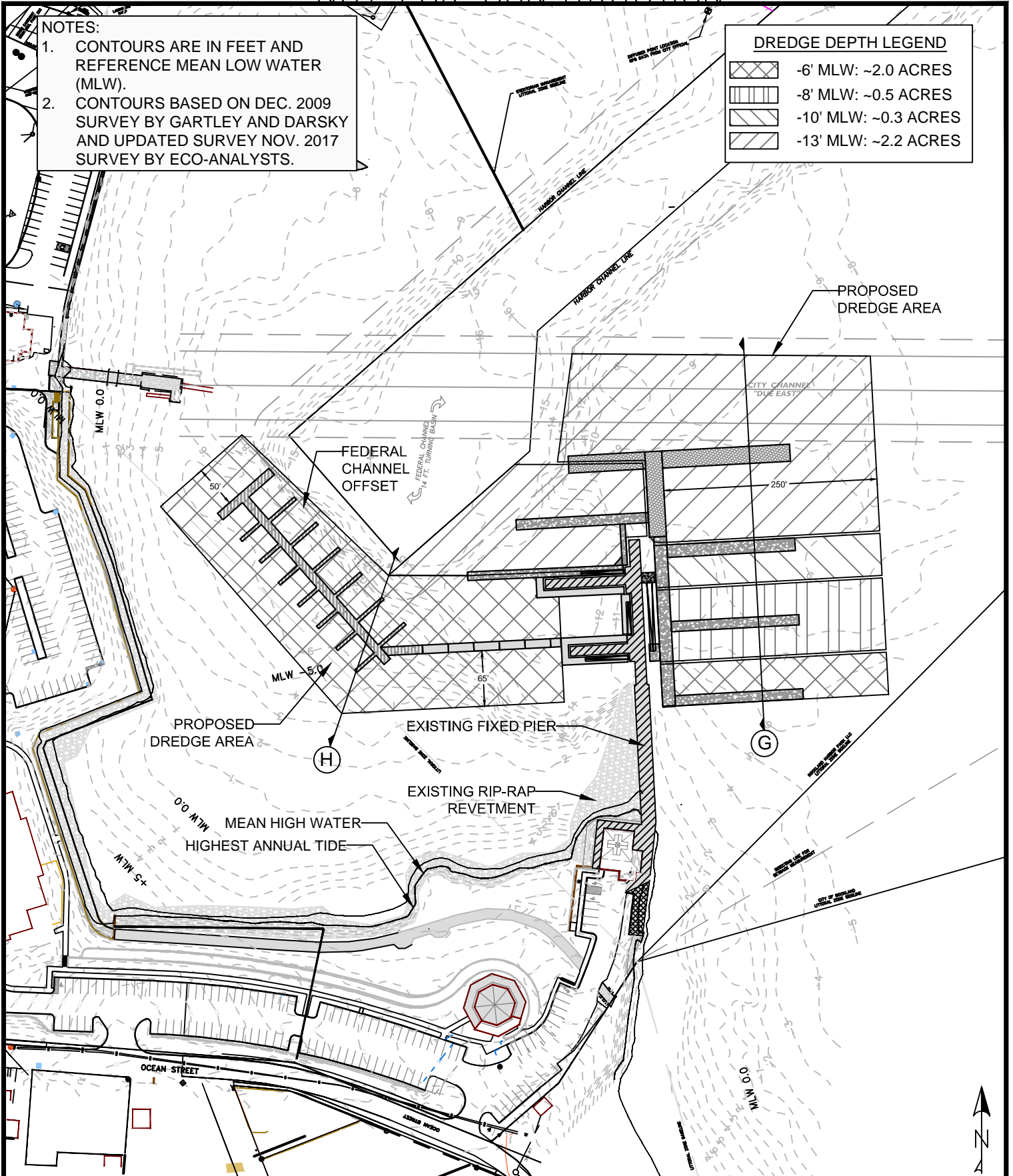
FOR PERMITTING PURPOSES ONLY
 "NOT FOR CONSTRUCTION"

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



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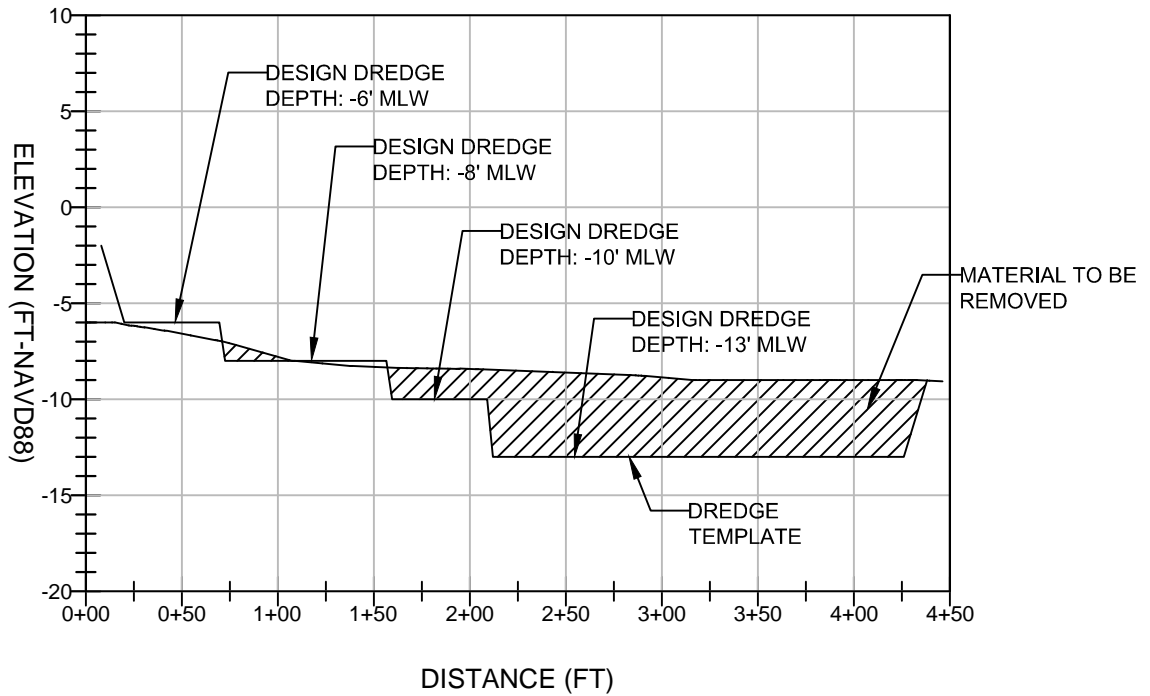
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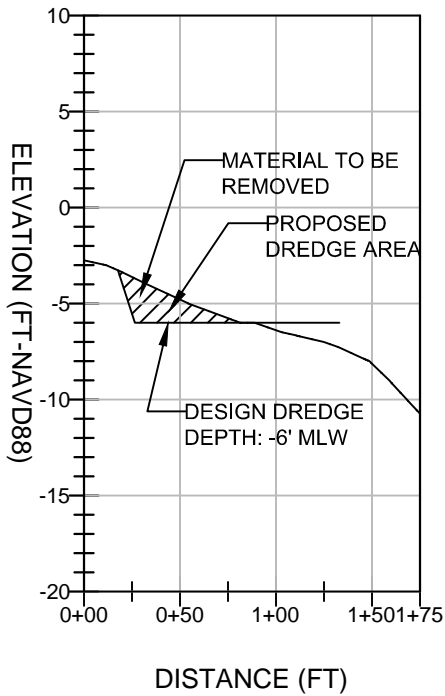
SH ROCKLAND - NRPA APPLICATION
 PROPOSED DREDGE PLAN
 ROCKLAND, MAINE

SCALE: 1"=150'

JUNE 2021



Ⓒ TYPICAL DREDGE PROFILE



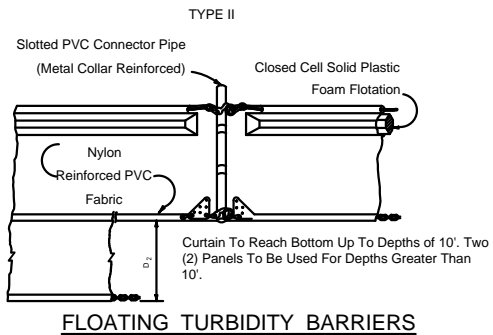
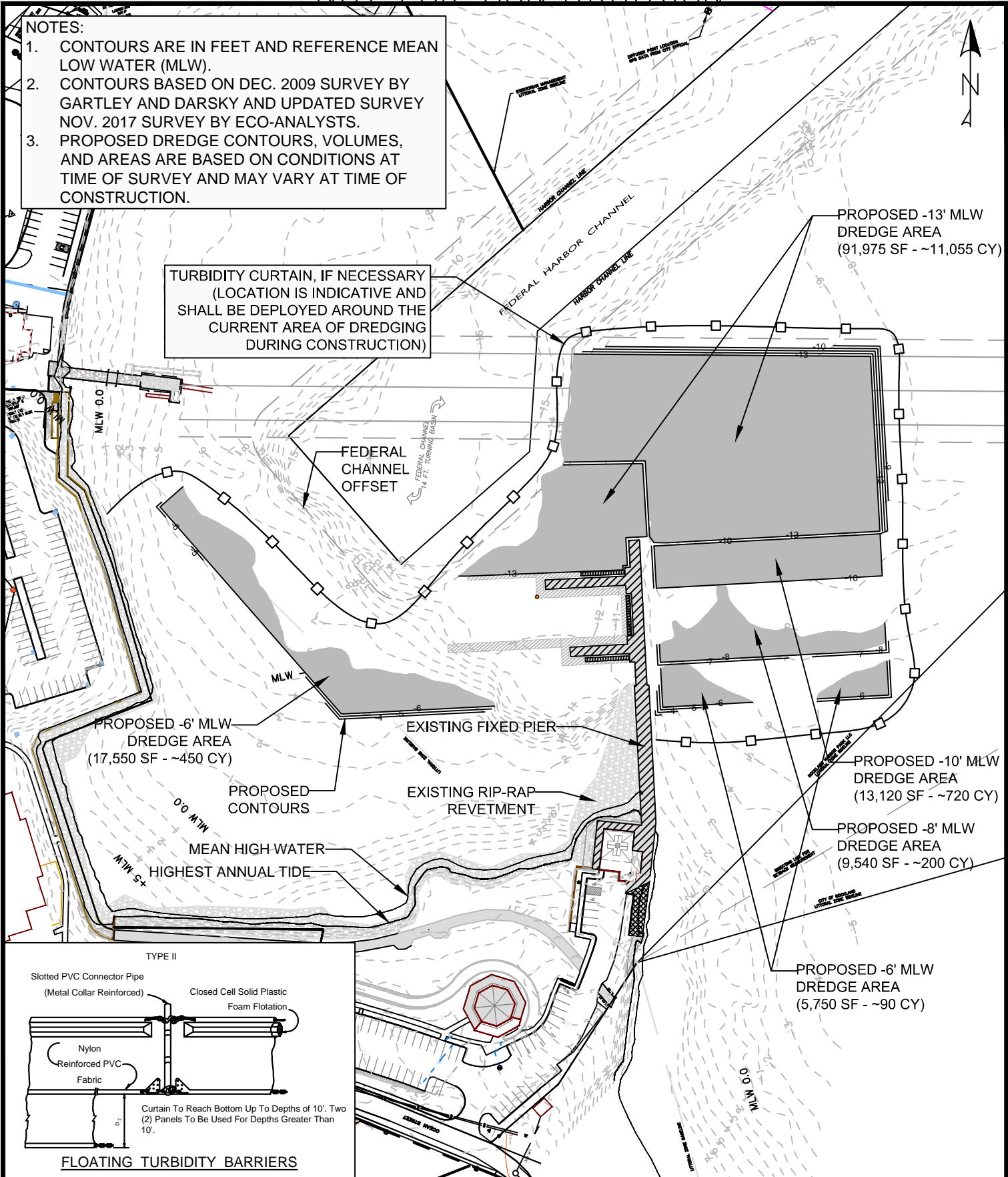
Ⓓ TYPICAL DREDGE PROFILE

- 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)



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

SCALE: 1"=150'

JUNE 2021