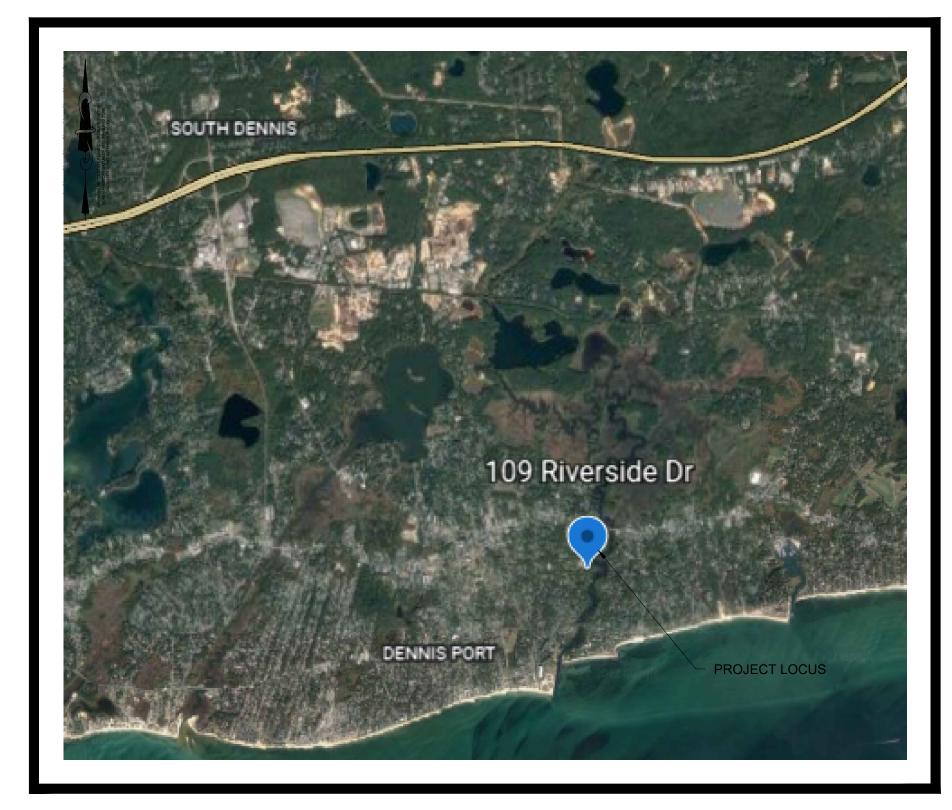
# PROPOSED DOCK REPLACEMENT

# 109 RIVERSIDE DRIVE



SITE VICINITY MAP SCALE: N.T.S.



SITE LOCATION MAP SCALE: N.T.S.

CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION DETAILS FROM THE

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	PROPOSED DOCK LAYOUT	
C-301	LONGITUDINAL & CROSS SECTION	04-03-2023
	FOR DOCK LAYOUT	

PREPARED FOR: JAY ARGUS

PREPARED BY: COASTAL ENGINEERING COMPANY

JAY ARGUS
PROPOSED DOCK REPLACEMENT DRAWING FILE C19740-01-C-DOCK\_IFP.dwg G-001 THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR  $\frac{1}{}$  OF  $\frac{4}{}$  SHEETS ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.

#### **GENERAL NOTES:**

- 1. THE PROPERTY IS LOCATED IN THE TOWN OF HARWICH, MA ALONG THE HERRING RIVER AND IS REFERENCED BY:
- ASSESSORS MAP 03 & 04, PARCEL 109
- 2. FLOOD ZONE: THE PROPERTY AND PROPOSED WORK IS LOCATED IN FLOOD ZONES AS INDICATED ON THE DRAWINGS. ALL FLOOD ELEVATIONS ARE REFERENCED TO NAVD88. FLOOD ZONE AE (EL. 11 & EL. 13) IN THESE DRAWINGS IS A DIRECT REPRESENTATION OF THE GRAPHIC FLOOD ZONE BOUNDARIES SHOWN ON FEMA FIRM PANEL:
- FIRM PANEL #25001C0611J, EFFECTIVE JULY 16,2014
- PLEASE NOTE THAT SITE SPECIFIC FLOODPLAIN BOUNDARIES MAY VARY DUE TO DIFFERENT INTERPRETATIONS OF THESE BOUNDARIES. USERS ARE ADVISED TO VERIFY LOCATION OF THESE BOUNDARIES WITH THE DESIGNATED COMMUNITY FLOODPLAIN MANAGERS AND/OR FEMA PRIOR TO SITING ANY PROPOSED STRUCTURES.
- 3. THE HYDROGRAPHIC SURVEY DATA AS ON THIS PLAN WAS COLLECTED ON JUNE 16, AND JUNE 21, 2022, BY COASTAL ENGINEERING COMPANY AND ONLY REPRESENTS THE SEA FLOOR DEPTH AS IT EXISTED DURING THE TIME OF THE SURVEY.
- 4. THE HYDROGRAPHIC SURVEY PREPARED BY COASTAL ENGINEERING COMPANY REPRESENTED HEREIN IS REFERENCED TO MLW AS CALCULATED USING THE CONVERSION FACTOR TO NAVD88 AS INDICATED ON THE DRAWINGS.
- 5. ACCESS FOR THE PROPOSED WORK FOR MATERIALS AND EQUIPMENT SHALL BE FROM A WORK BARGE AND FROM THE UPLAND PORTION OF THE SUBJECT PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMISSIONS REQUIRED FOR USE OF ANY AN ALL ACCESS.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING THE WORK IN A SAFE AND RESPONSIBLE MANNER AND SHALL MINIMIZE THE DISTURBANCE TO ANY ADJACENT RESOURCE AREAS. THE CONTRACTORS WORK BARGE SHALL NOT REST ON THE SEAFLOOR AND SHALL NOT BE LOCATED OVER MARSH DURING ANY TIME OF THE CONSTRUCTION.
- 7. THE CONTRACTOR SHALL SUPPLY ALL MATERIAL, EQUIPMENT AND LABOR NECESSARY FOR CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS AS DESCRIBED AND SHOWN ON THE PLAN AND DETAILS.
- 8. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE ORDER OF CONDITIONS ISSUED BY THE HARWICH CONSERVATION COMMISSION.
- 9. SPECIAL PROVISIONS FOR COASTAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS FOUND IN THE "COASTAL CONSTRUCTION MANUAL" AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA-550).
- 10. ALL SEASONAL RAMPS AND FLOATS ARE TO BE STORED OFF-SITE OR IN UPLAND AREA OUTSIDE OF THE RESOURCE AREA DURING WINTER SEASON.
- 11. ALL DISTURBED AREAS ARE TO BE REVEGETATED TO MATCH PRE-CONSTRUCTION CONDITIONS.
- 12. THE MASS DEP PERMIT NUMBER SHALL BE PERMANENTLY AND CONSPICUOUSLY PLACED ON THE TIMBER PIER SO AS TO BE VISIBLE FROM THE SEAWARD DIRECTION.

#### **LEGEND**

	BOUND	<del></del>	MISC. SIGN
0	IRON PIPE	P	POST
S	SEPTIC MANHOLE		WOOD/STONE POST
$\bigcirc$	SEPTIC VENT		MAILBOX
CO	CLEAN-OUT	Ė	ACCESSIBLE PARKING
	CATCH BASIN	xx	CHAIN LINK FENCE
<b>(D)</b>	DRAIN MANHOLE		SPLIT RAIL FENCE
M	MISC. MANHOLE		STOCKADE FENCE
<b>\$</b>	HYDRANT	G	UNDERGROUND GAS SERVICE
WV 	WATER GATE	—— Е ——	UNDERGROUND ELECTRIC SERVICE
4°5°	IRRIGATION VALVE	— т —	UNDERGROUND TELEPHONE SERVIC
(WM)	WATER METER	——— E/T/C ———	UNDERGROUND CABLE UTILITIES
	WELL	W	WATER SERVICE
Ø	UTILITY POLE	OHW	OVERHEAD WIRES
$\longrightarrow$	GUY WIRE	s	GRAVITY SEWER
-•	GUY POLE	SFM	SEWER FORCE MAIN
EMI	ELECTRIC METER	20	CONTOUR
PB	PULL BOX	x23.5	SPOT ELEV.
<b>\$</b>	LIGHT POLE	LA	LANDSCAPED AREA
€	FLOOD LIGHT	TOCB	TOP OF COASTAL BANK
E	ELECTRIC MANHOLE		BOULDER
[GM]	GAS METER	DOH	TEST PIT
$\bigcirc$	TELEPHONE MANHOLE		MISC. SHRUB
TEL	TELEPHONE BOX		CONIFER TREE
TV	CABLE BOX	05773-	CONIFER TREE
$\frac{}{}$	WATER SURFACE		DECIDUOUS TREE
1 1 1 1 1 1	APPROVED SHELLFISH		SHELLFISH SUITABILITY AREA

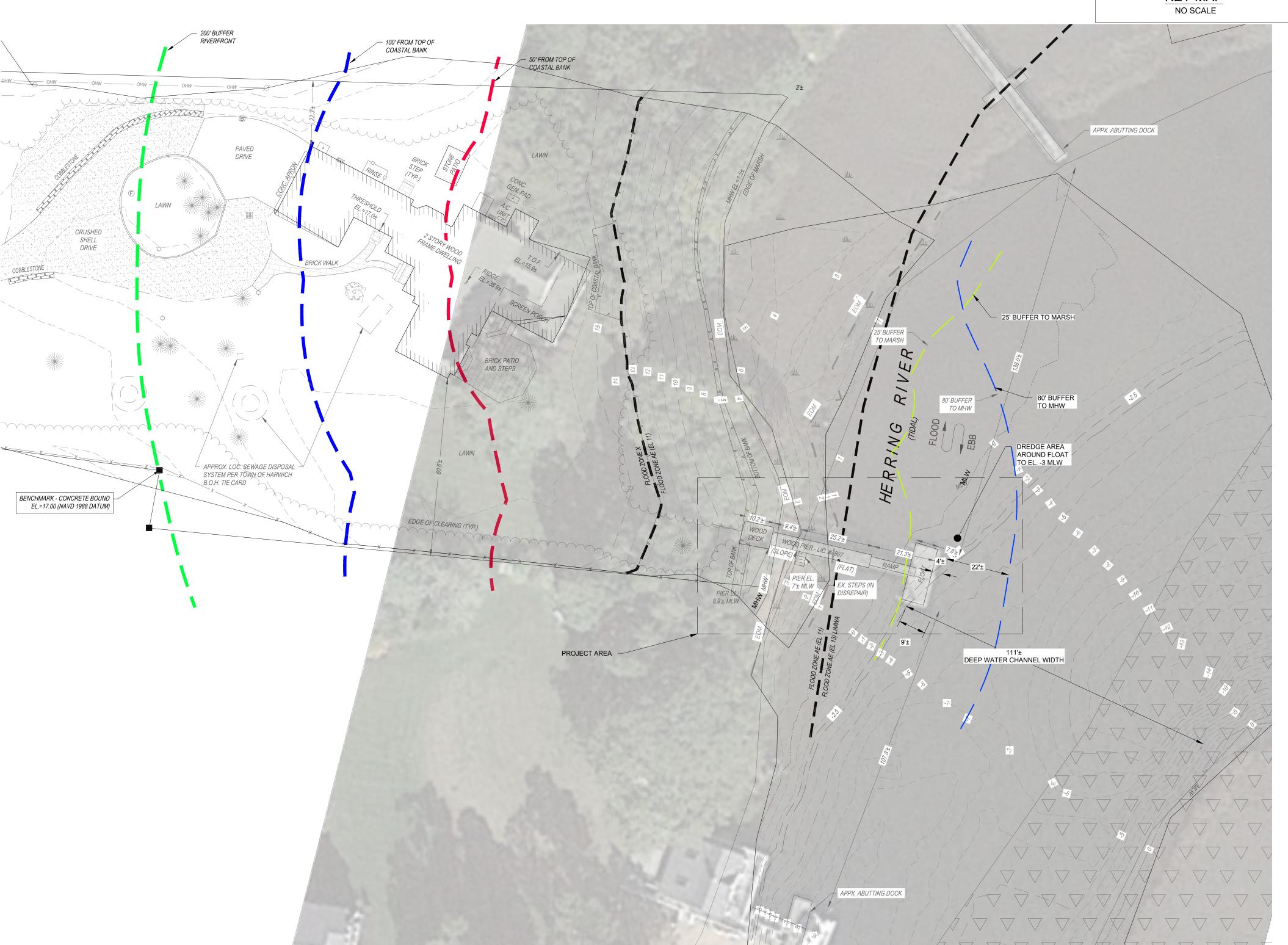
#### **REGULATORY REQUIREMENTS:**

**GROWING AREA** 

HARWICH WETLAND PROTECTION REGS				
REGULATION	REQUIREMENT			
FLOAT SIZE	200 S.F. MAX.			
WATER DEPTH	3' MIN. AT MLW			
SEAWARD EXTENTS	80' FROM MHW MAX.			
DEEP WATER CHANNEL EXTENTS	MAX. 50' INTO DEEP WATER CHANNEL			
DEEP WATER CHANNEL WIDTH	50' MIN. OF USABLE CHANNEL WIDTH			
OFFSET TO ADJACENT STRUCTURE	65' MIN.			
2003 DEP SMALL DOCKS & PIERS				
SEAWARD EXTENT	25% WIDTH OF WATERWAY MAX.			
ADJACENT PROPERTY LINE	25' MIN.			
PIER HEIGHT	5' ABOVE MHW MIN.			
DEPTH	1.5' (BELOW FLOAT OR ALONG END OF PIER			
PIER WIDTH	4' MAX.			
DEPTH (FOR SHELLFISH AREAS)	2.5' FROM BOT OF FLOAT @ MLW			

#### TIMBER PIER NOTES:

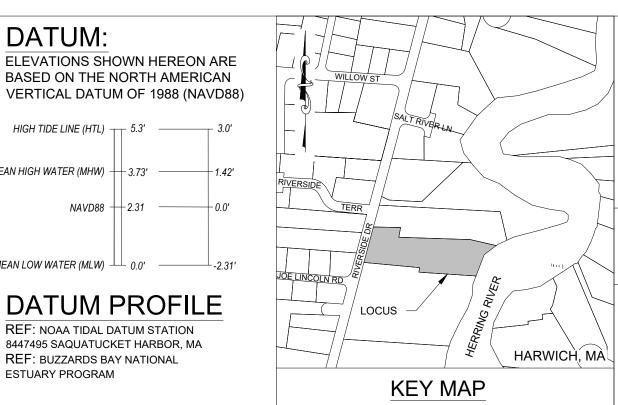
- 1. TIMBER PILES AND FRAMING LUMBER SHALL CONFORM TO THE LATEST EDITION OF THE AFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION". AND UNLESS OTHERWISE INDICATED SHALL BE SOUTHERN YELLOW PINE GRADE #2.
- 2. CCA PRESSURE TREATED LUMBER SHALL NOT BE ALLOWED. ALL PRESSURE TREATED LUMBER TO BE ACQ TREATED OR AS APPROVED BY ENGINEER.
- 3. ALL HARDWARE AND FASTENERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATIONS.
- 4. BEFORE ANY TIMBER PILES ARE DRIVEN, A CERTIFICATION SHALL BE SUBMITTED, CERTIFYING THAT THE PILES WERE FREE FROM DECAY, WERE PROPERLY PEELED AND CONFORM TO THE REQUIREMENTS SPECIFIED HEREIN.
- 5. EACH PILE SHALL BE DRIVEN IN ONE PIECE WITHOUT SPLICING WITH A VIBRATORY HAMMER TO A MINIMUM EMBEDMENT DEPTH AS INDICATED ON THE DRAWINGS. PILES MAY BE REQUIRED BY THE ENGINEER TO BE PROOFED WITH AN IMPACT HAMMER IF MINIMUM EMBEDMENT IS NOT ACHIEVED.
- 6. UNIFORMLY TRIM THE TOP OF PILES TO THE ELEVATION INDICATED ON THE DRAWINGS AND CAP OFF TOP OF PILE WITH A SUITABLE FIBERGLASS OR PRE-FORMED PVC CAP.
- 7. THE DECKING PLANK SPACING SHALL BE 1/2" MINIMUM.



#### OVERALL SITE PLAN OF PROPERTY

SCALE: 1"=20'

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DATUM:

BASED ON THE NORTH AMERICAN

HIGH TIDE LINE (HTL) + 5.3' - 3.0'

NAVD88 + 2.31 -

MEAN HIGH WATER (MHW) + 3.73'

MEAN LOW WATER (MLW)  $\perp \perp$  0.0'

DATUM PROFILE

REF: NOAA TIDAL DATUM STATION

8447495 SAQUATUCKET HARBOR, MA

REF: BUZZARDS BAY NATIONAL

ESTUARY PROGRAM



260 Cranberry Hwy. Orleans, MA 02653 508.255.6511 P 508.255.6700 F

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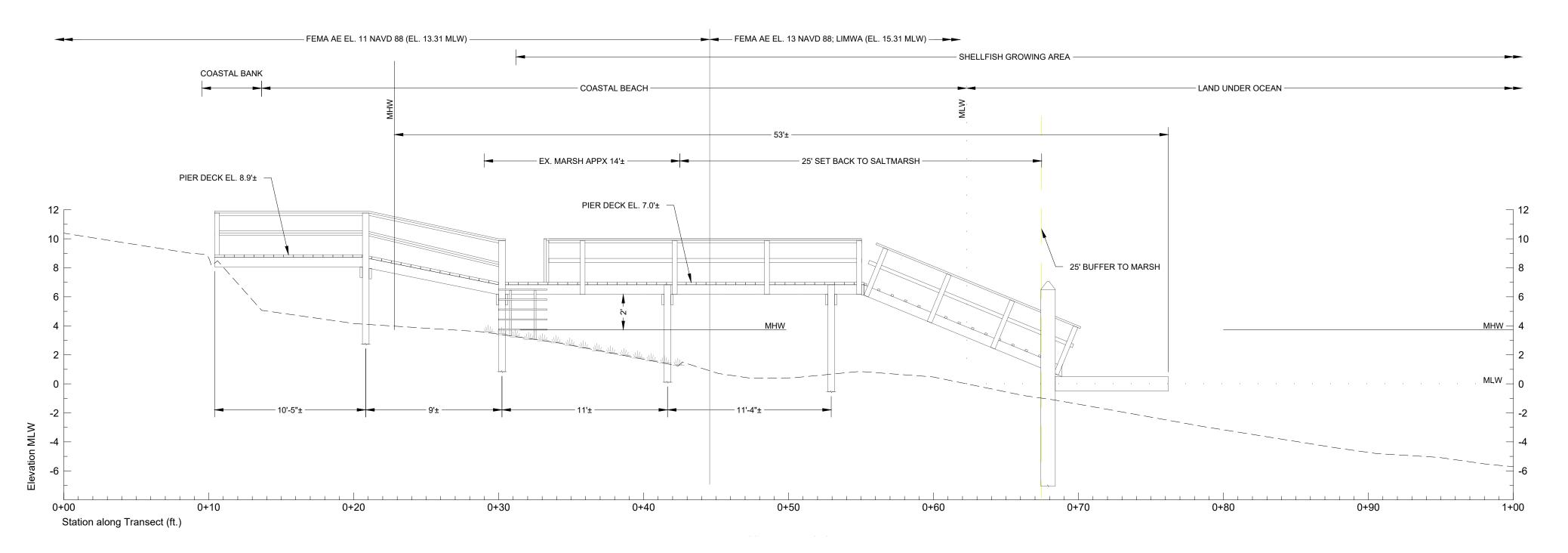
SCALE

04/03/2023

C-101

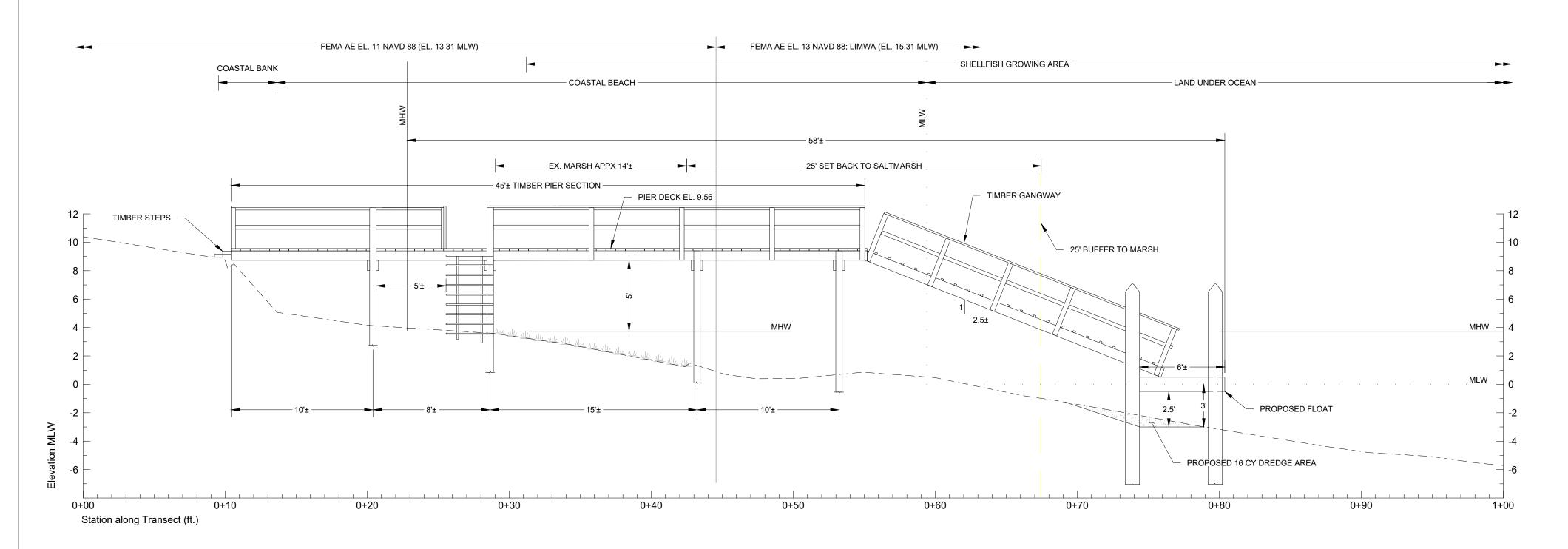
 $\frac{2}{}$  OF  $\frac{4}{}$  SHEETS PROJECT NO. C19740.01





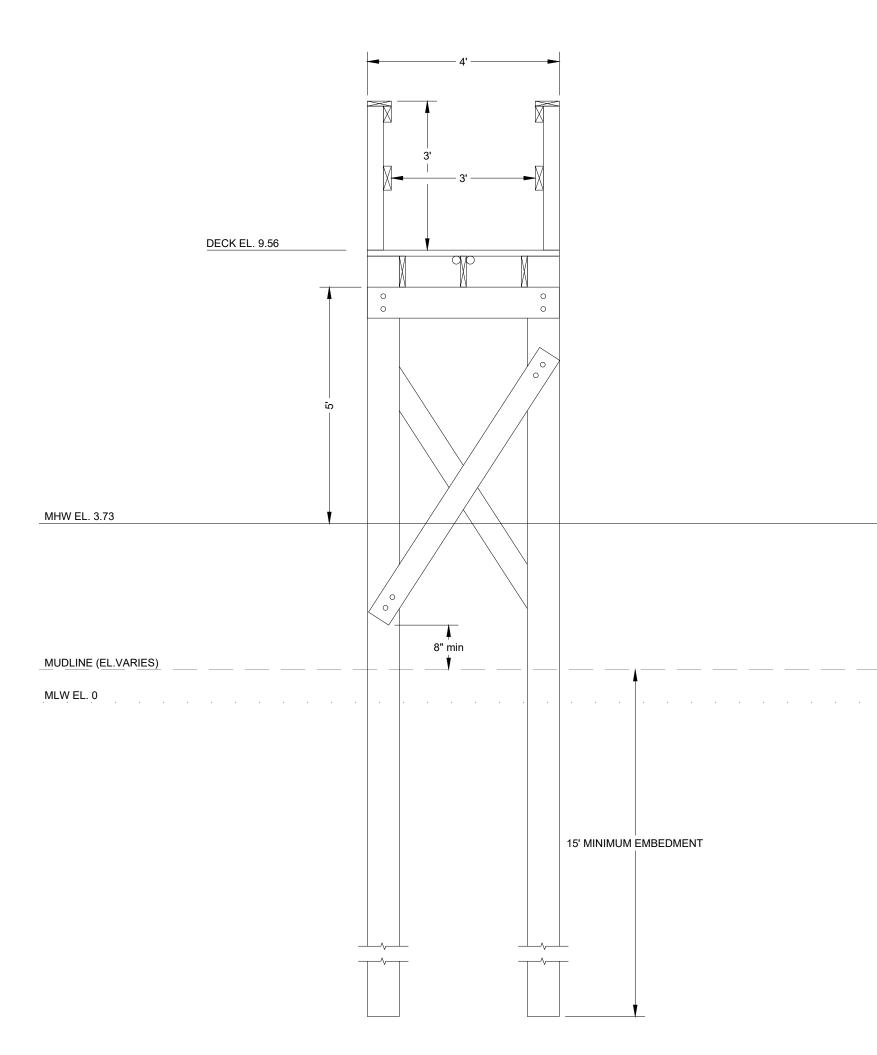
### EXISTING LONGITUDINAL SECTION

SCALE: 1"=5'



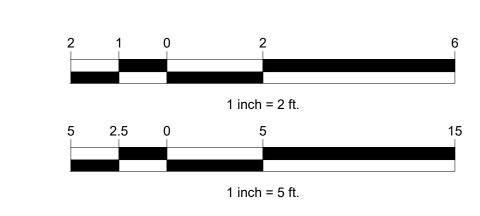
## PROPOSED LONGITUDINAL SECTION

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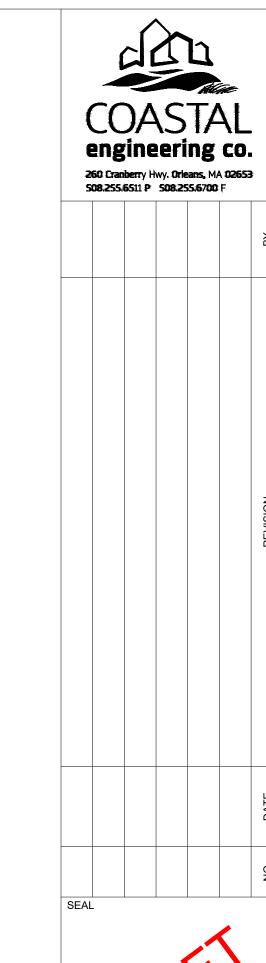


PROPOSED CROSS SECTION

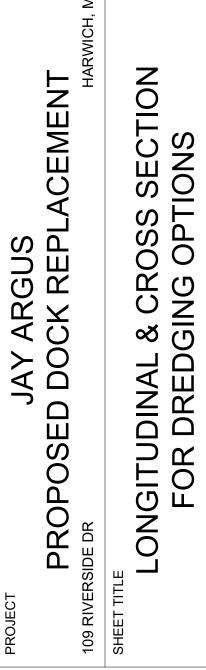
SCALE: 1"=2'



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DRAWING FILE C19740-01-C-DOCK\_IFP.dwg

C-301

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