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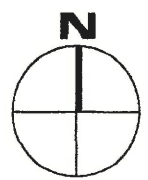
**PROJECT LOCUS**  
N: 248668.4  
E: 359176.7  
LAT: 41°45'56.630"  
LON: -71°23'09.696"

The controlling depth in the entrance channel was 6 feet for a mid-width of 55 feet, with 5 feet in the south mooring basin; thence 4 feet to the north turning basin, with 2 feet available in the basin.  
Mar 2002

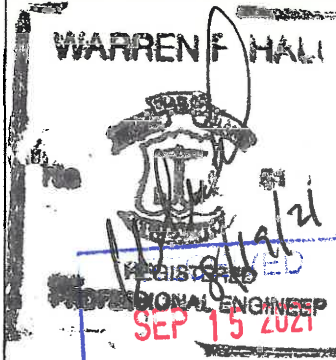
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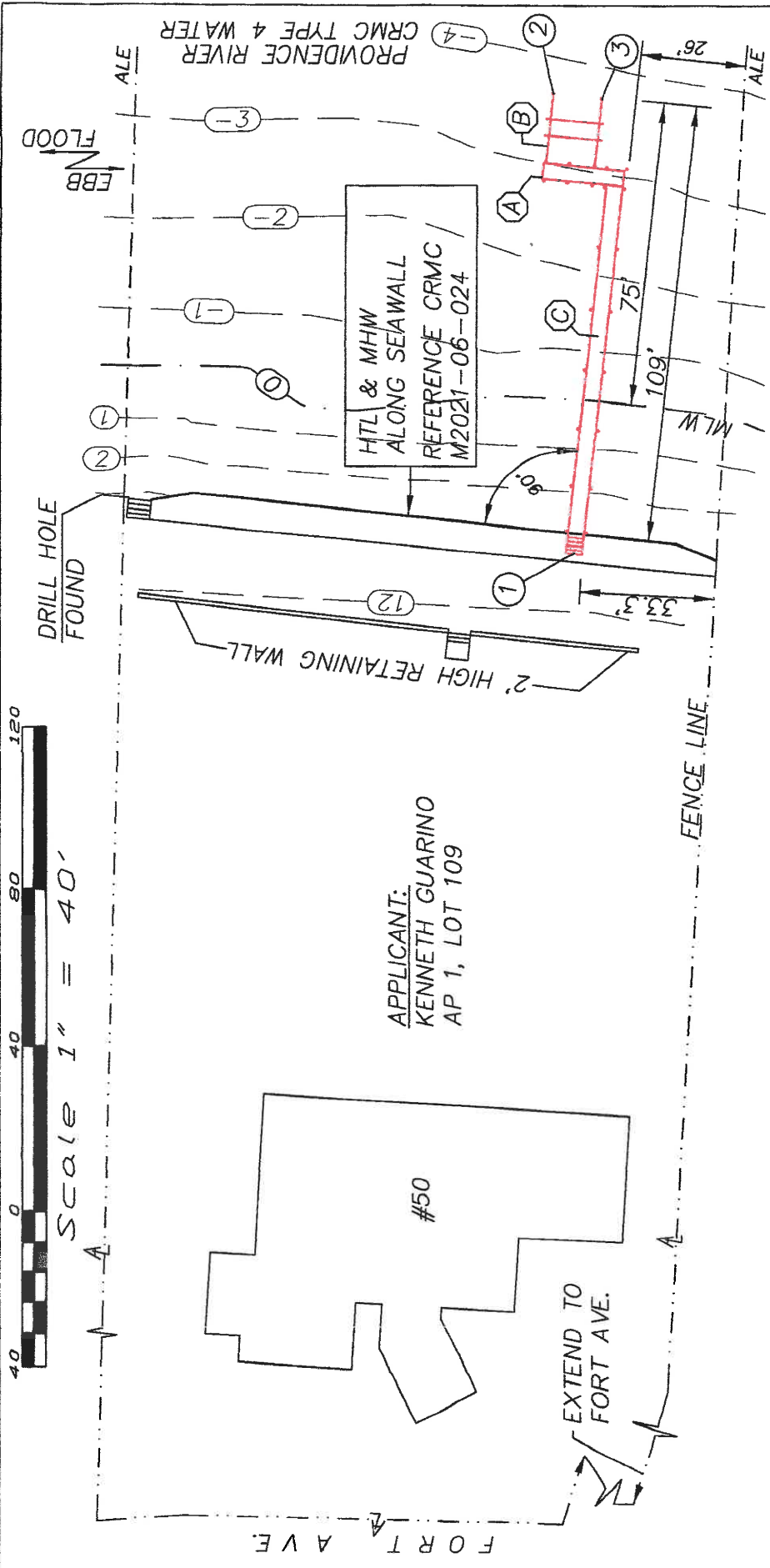
PORTION OF NOAA 13221



PLAN OF PROPOSED RESIDENTIAL PIER AND BOATLIFT  
KENNETH GUARINO  
50 FORT AVE  
AP 1, LOT 109  
CRANSTON, RI 02905  
BY: WARREN HALL, CIVIL ENGINEER  
JULY 22, 2021 SHEET 1 OF 5



COASTAL RESOURCES MANAGEMENT COUNCIL



APPLICANT:  
KENNETH GUARINO  
AP 1, LOT 109

RI STATE PLANE

①	N: 248668.2 E: 359178.8
②	N: 248673.5 E: 359293.8
③	N: 248661.6 E: 359292.5

④ 4'x20' FIXED ACCESS  
PIER ELEV=12.5 MLW

⑤ 4 MOTOR, 25,000  
POUND BOATLIFT

⑥ FIXED PIER 4'x92.5'  
EL=12.5 MLW

LEGEND

- HTL HIGH TIDE LINE
- MHW MEAN HIGH WATER
- MLW MEAN LOW WATER
- AL ASSESSORS LINE
- ALE ASSESSORS LINE EXTENSION
- FND FOUND

AREA OF PILES BELOW  
HTL = 24\*.785= 21.2 SF

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JULY 22, 2021 SHEET 2 OF 5

WARREN HALL  
REGISTERED CIVIL ENGINEER

RECEIVED  
SEP 15 2021



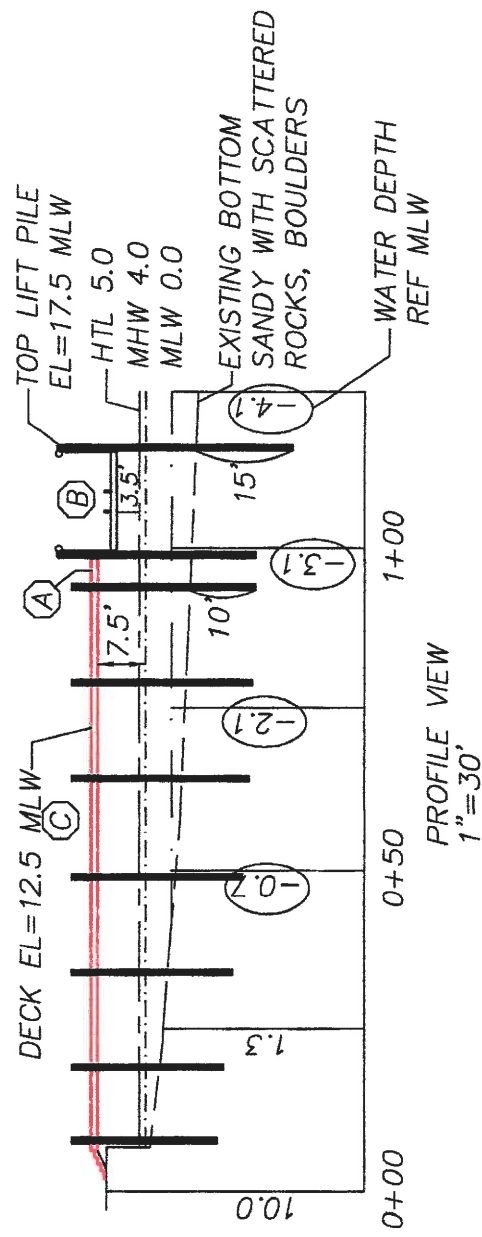
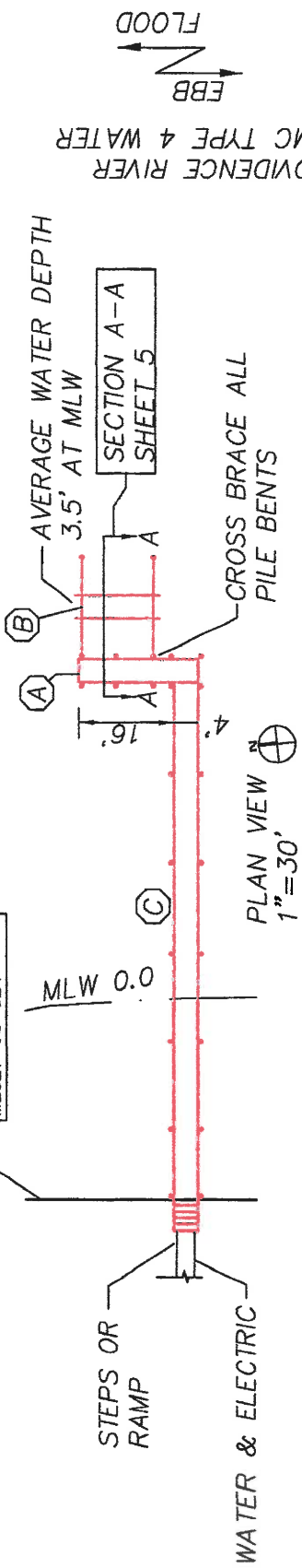


Scale 1" = 30'

HTL & MHW  
ALONG SEAWALL  
REFERENCE CRMC  
M2021-06-024

**PILE DRIVING NOTE:**

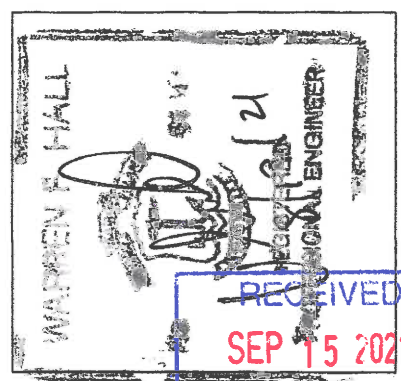
"soft start" is required to allow animals an opportunity to leave the project vicinity before sound pressure levels increase. In addition to using a soft start at the beginning of the work day for pile driving, one must also be used at any time following cessation of pile driving for a period of 30 minutes or longer. For impact pile driving, pile driving will be implemented with initial test strikes by the hammer at 40% energy, followed by a one minute wait period, then two subsequent strikes at 40% energy, followed by a one minute wait period, before initiating continuous impact driving.

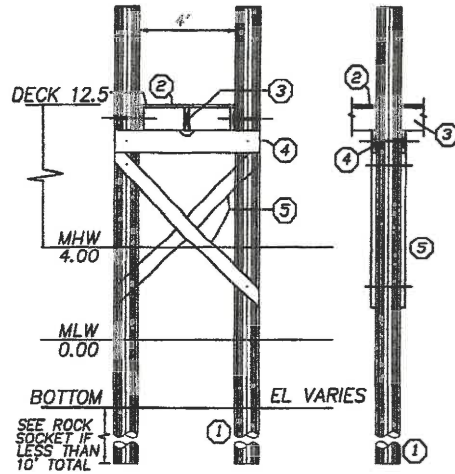


- (A) 4'x20' FIXED ACCESS PIER ELEV=12.5 MLW
- (B) 4 MOTOR, 25,000 POUND BOATLIFT
- (C) FIXED PIER 4'x92.5' EL=12.5 MLW

SET STOP BLOCKS TO PREVENT GUNWALE OF VESSEL FROM BEING ABOVE FIXED DECK EL=12.5

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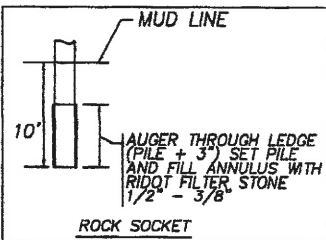
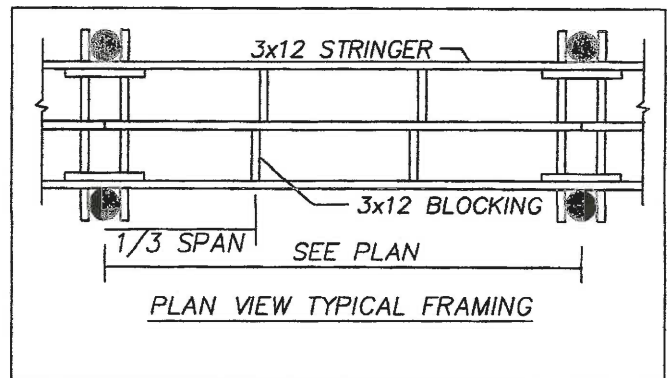




TYPICAL SECTION 1/8"=1'-0"

KEY SYMBOLS:

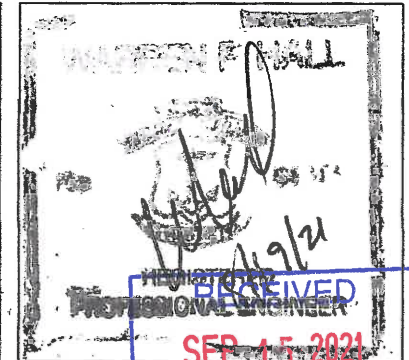
- ① 10" TIP CCA TREATED WOOD PILES  
TREAT TO 2.5 PCF (1.0 ALLOWED WITH  
OWNER CONSENT) GREENHEART AT FLOAT
- ② 2x6 DECKING ACQ TREATED TO .6 PCF  
FASTEN TO STRINGERS WITH 3 @ 3-1/2"  
NO. 10 316 STAINLESS STEEL SCREWS
- ③ 3x12 STRINGER, ACQ TREATED THRU BOLT AT PILE  
FASTEN MIDDLE STRINGER WITH SIMPSON  
H-1 HURRICANE ANCHOR
- ④ 2-3x12 CAP BEAM, ACQ TREATED TO  
.6 PCF
- ⑤ 3x10 CROSS BRACE, ACQ TREATED TO  
2.5 PCF



GENERAL NOTES:

- 1) ALL BOLTS, CONNECTORS, WASHERS, NAILS, ECT  
SHALL BE HOT DIPPED GALVANIZED
- 2) CONTRACTOR SHALL ADHERE TO ALL OSHA RULES  
AND REGULATIONS THROUGHOUT ALL PHASES OF  
CONSTRUCTION
- 3) CONTRACTOR SHALL BE AWARE THAT THE STRATA  
INTO WHICH THESE PILES ARE TO BE DRIVEN  
MAY REQUIRE DRILLING TO ENSURE A MINIMUM  
10' PENETRATION BELOW EXISTING GRADE

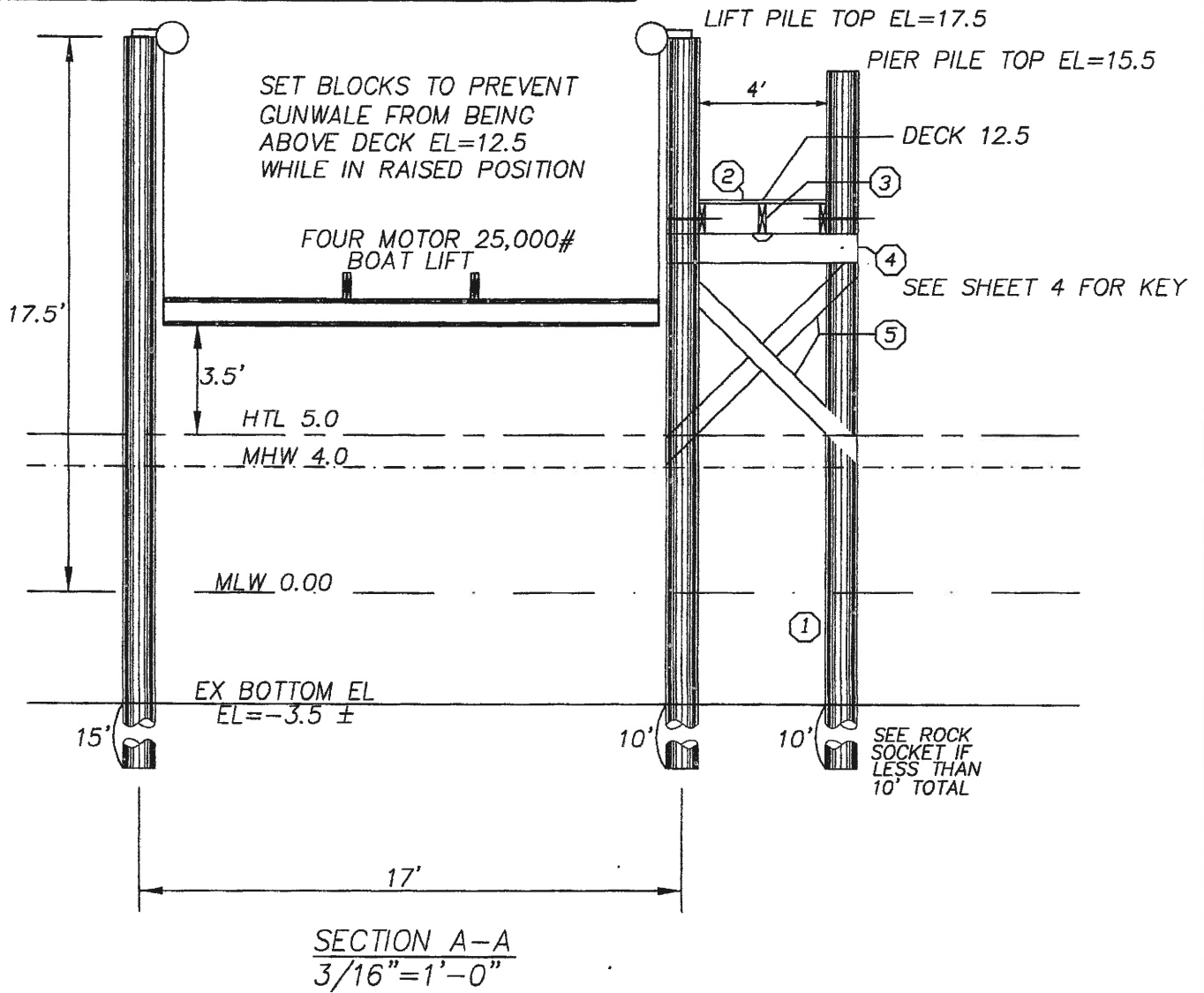
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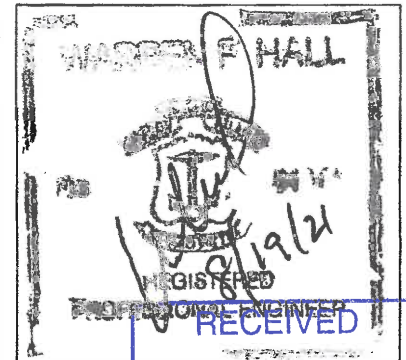
COASTAL RESOURCES  
MANAGEMENT COUNCIL

GENERAL NOTES:

- 1) ALL METAL FASTENERS SHALL BE HOT DIPPED GALVANIZED.
- 2) ALL CONNECTIONS THRU PILES SHALL BE 1" DIAMETER BOLT
- 3) ALL TIMBER SHALL BE ACQ TREATED.
- 4) ALL PILES SHALL BE CCA TREATED TO 2.5 PCF.



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