



State of Rhode Island
Coastal Resources Management Council
 Oliver H. Stedman Government Center
 4808 Tower Hill Road, Suite 3
 Wakefield, RI 02879-1900

(401) 783-3370
 Fax (401) 783-2069

PUBLIC NOTICE

File Number: 2021-10-015 Date: November 23, 2021

This office has under consideration the application of:

**John & Diane Macknis
 34 Viking Drive
 Bristol, RI 02809**

for a State of Rhode Island Assent to construct and maintain: a residential boating facility consisting of a 4' x 20' upland section, 4' x 14' shoreline access stairs, 4' x 72' fixed pier, 3' x 20' aluminum access ramp and 10' x 15' (150sf) terminal float. The facility is proposed to extend 50' seaward of the cited MLW mark.

Project Location:	34 Viking Drive
City/Town:	Bristol
Plat/Lot:	145 / 8
Waterway:	Mt Hope Bay, Type II, Low Intensity Use

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before December 23, 2021.

GENERAL SPECIFICATIONS:

IN THE EVENT THAT ANY PILE PENETRATION CANNOT BE ATTAINED THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER. FOR ANY LOCATION WHERE PILE DEPTH CAN NOT BE ACHIEVED THE CONTRACTOR SHALL RECORD THOSE LOCATIONS AND NOTIFY RECORDS TO THE DESIGN ENGINEER.

ALL WOOD PILES SHALL BE 12" DIAMETER SOUTHERN PINE WITH A MINIMUM TOP DIAMETER OF 8". MINIMUM PILE DIAMETER AT NAULINE SHALL BE 10". PRESURE TREATMENT SHALL BE 2.5 LB/CF OCA. PILES SHALL BE DRIVEN TO DEPTH AS INDICATED ON THE PLAN. PILES MAY BE DRIVEN USING A VIBRO-DRIVE HAMMER AS LONG AS THE MINIMUM PILE PENETRATION CAN BE ATTAINED.

ALL OTHER STRUCTURAL MEMBERS SHALL BE SOUTHERN PINE OR EQUIVALENT. MINIMUM TREATMENT FOR CROSS BRACING SHALL BE 2.5 LB/CF OF OCA. DIAGONAL BRACING SHALL NOT BE CUT BELOW THE MAIN LINE. ALL CUTTING OF SUCH MEMBERS SHALL BE DONE ON THE END ABOVE WINE FOR ALL OTHER MEMBERS (STRIMERS, HEADERS, WOOD DECORNS AND ANY POST OR RAILS) TREATMENT SHALL BE 0.8 LB/CF OCA.

ALL METAL CONNECTION MATERIALS SHALL BE HOT DIPPED GALVANIZED. BOLTS SHALL BE A MINIMUM OF 308S STEEL. ALL BOLTED CONNECTIONS FOR HEADERS AND BRACING MEMBERS SHALL BE LOCATED A MINIMUM OF 4" FROM THE END OF THE MEMBER, AND 2" FROM THE EDGE OF THE MEMBER. MEMBERS THAT ARE SPLIT OR CRACKED IN THE AREA OF THE BOLT LOCATION SHALL NOT BE USED. FOR ALL 1" BOLTS PROVIDE 2" WASHERS BOTH SIDES.

DECORNS FOR FIXED DOCK SHALL BE 8"x8" COMPOSITE OR WOOD MEMBERS. ALTERNATIVELY 2X6 MEMBERS CAN BE USED. FASTENERS FOR DECORNS SHALL BE 3" STAINLESS STEEL SCREWS TWO AT EACH ATTACHMENT LOCATION.

FLOATING DOCK SHALL BE OF WOOD CONSTRUCTION AND HAVE APPROXIMATELY 1/8" FREEBOARD AND 4" DRAFT. DECORNS SHALL BE 8"x8" COMPOSITE. FLOATING DOCKS SHALL HAVE HEAVY DUTY BRIDGE AND OUTRIGER CORNER HARDWARE AT EACH CORNER LOCATION (POLLANBREE 90-E AND 90-N OR EQUAL) ANGLE CLIPS (POLLANBREE 90-A OR EQUAL) SHALL BE PROVIDED FOR WINDOR STRUCTURAL MEMBERS AS INDICATED. CLIPS SHALL BE FASTENED USING 2"x2" GALVANIZED LAG BOLTS INTO EACH CONNECTING MEMBER.

PLANT DRAINS SHALL BE FOAM FILLED POLYPROPYLENE WITH UV STABILIZERS AND SHALL HAVE STRUCTURAL MOUNTING FLANGES. DESIGN IS BASED ON PLANT DRAINS AS MANUFACTURED BY "CUSTOM FLOATE." ANY PROPOSED SUBSTITUTES SHALL BE APPROVED BY THE DESIGN ENGINEER.

SECURE PLANT DRAINS AT ALL EDGES IN CONTACT WITH STRUCTURAL MEMBERS. FOLLOW MANUFACTURERS SPECIFICATIONS. 1/2" LAG BOLTS WITH 1/2" WASHERS AND 1" PENETRATOR INTO STRUCTURAL MEMBERS SHALL BE A REQUIRED MINIMUM. WARE: TWO DRAINS MEET ON THE SAME STRUCTURAL MEMBER. USE ONE FASTENER FOR EACH DRAIN.

PILE HOLDERS FOR FLOATING DOCK PILES SHALL BE HEAVY DUTY GALVANIZED. DESIGN TYPE FOR USE WITH 1 1/2" PILES (POLLANBREE PH-C OR EQUAL). PLACEMENT OF ALL PILES SHALL BE SO AS TO ALLOW PILES TO BE TIED OFF FROM PILES SUCH THAT NO CONTACT WITH PILES OCCURS.

AS AN ALTERNATIVE PILE HOLDERS FOR FLOATING DOCK MAY BE HEAVY DUTY GALVANIZED, SINGLE ROLLER TYPE FOR USE WITH 1 1/2" PILES (POLLANBREE PH-H OR EQUAL). PLACEMENT OF ALL PILES SHALL BE SO AS TO ALLOW MOVEMENT OF THE FLOAT TO AVOID EXCESSIVE RUBBING OF HOOPS.

SECURE PILE HOLDERS TO FLOATING DOCK WITH 4-3/8" THROUGH BOLTS (ON HORIZONTAL DIRECTION) AND 4-3/8" LAG BOLTS (VERTICAL DIRECTION). USE 3"x3" SLICK BLOCK BEHIND OUTSIDE MEMBER TO PROVIDE ADDITIONAL WORK FOR FASTENING. USE METAL BRACKET PLATES FOR 4" THROUGH BOLTS.

CLEATS SHALL BE PROVIDED FOR FLOATING DOCK, TWO ON EACH SIDE 1" FROM EACH END. GREAT SIDE SHALL BE 10" (POLLANBREE C-10-H OR EQUAL) AND SHALL BE FASTENED TO WOOD MEMBERS USING GREAT ANCHORS.

A WIND DAMPER STRIP SHALL BE PROVIDED ALONG THE OUTBOARD SIDE OF THE FLOATING DOCK. DAMPER STRIP SHALL BE AS MANUFACTURED BY "POLLANBREE" MODEL VAW-2 OR EQUAL. RAMP SHALL BE ALUMINUM AND CONSTRUCTION SHALL BE BY MANUFACTURER REGULARLY DESIGNED IN THE TRADE. RAMP SHALL BE CONNECTED TO FIXED PORTION OF DOCK AS RECOMMENDED BY MANUFACTURER. ROLLER REGULARLY AT FLOATING DOCK SHALL BE 2" DIAMETER BY 6" WOOD SHALL HOLD TYPE. INSTALL PLASTIC OR METAL SHEET TO DOCK, FOR ROLLERS.

UTILITY SPECIFICATIONS:

ALL UTILITY WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN THEIR RESPECTIVE TRADES. ALL WORK SHALL MEET REQUIREMENTS OF THE CURRENT STATE BUILDING CODES.

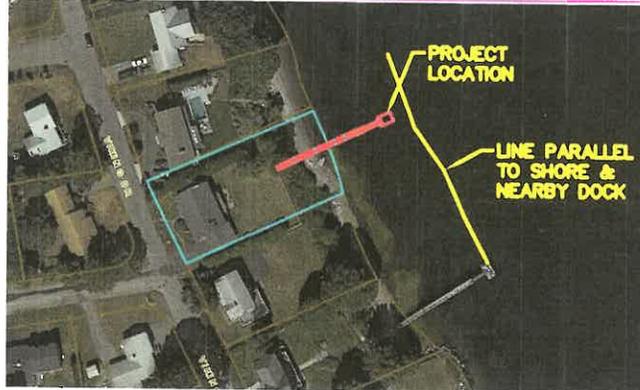
ELECTRICAL WIRE SHALL BE SIZED BY THE ELECTRICAL CONTRACTOR. WIRE SHALL BE ENCASED IN PVC CONDUIT SUITABLE FOR MARINE APPLICATION. INSTALL EXTERIOR-TYPE, MARINE GRADE, DOUBLE RECEPTACLE AT END OF PIER AS INDICATED.

SEWER LINE SHALL BE 3" POLYPROPYLENE TUBING AS MANUFACTURED BY "AGLARD" OR EQUAL. METAL SUTURE BACKFLOW PREVENTER AT EITHER EXISTING DWELLING OR PIER HEAD AS REQUIRED BY CODE. PROVIDE DRAIN AT PIER HEAD TO ALLOW REMOVAL OF WATER FROM THE LINE DURING THE WINTER MONTHS. INSTALL SHUT AT END OF PIER AS INDICATED.

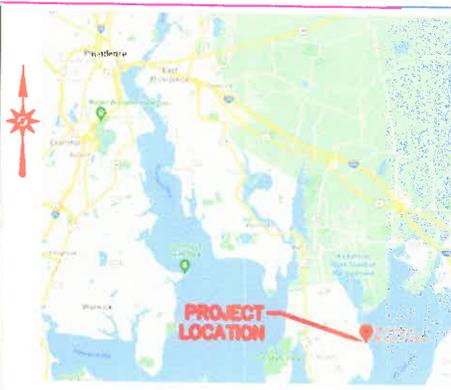
ELECTRIC/WATER UTILITY LINES SHALL BE CONNECTED AT EXISTING DWELLING. LINES SHALL BE BURIED A MINIMUM DEPTH OF 12" ABOVE EXISTING LAWN AREA.

UTILITIES SHALL BE SECURED TO UNDERSIDE OF PIER AS INDICATED, WITH GALVANIZED METAL FASTENERS EVERY 6" ON CENTER.

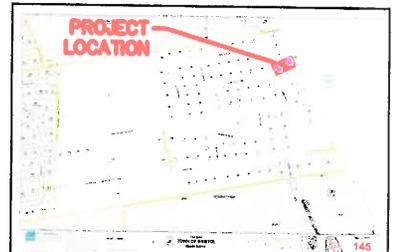
LOW VOLTAGE LIGHTING SHALL BE PROVIDED ALONG THE DOCK AS INDICATED. LIGHTING TYPE TO BE PROPOSED BY CONTRACTOR. INCLUDE LOW VOLTAGE WIRING IN ELECTRICAL CONDUIT OR SEPARATE CONDUIT AS REQUIRED BY CODE.



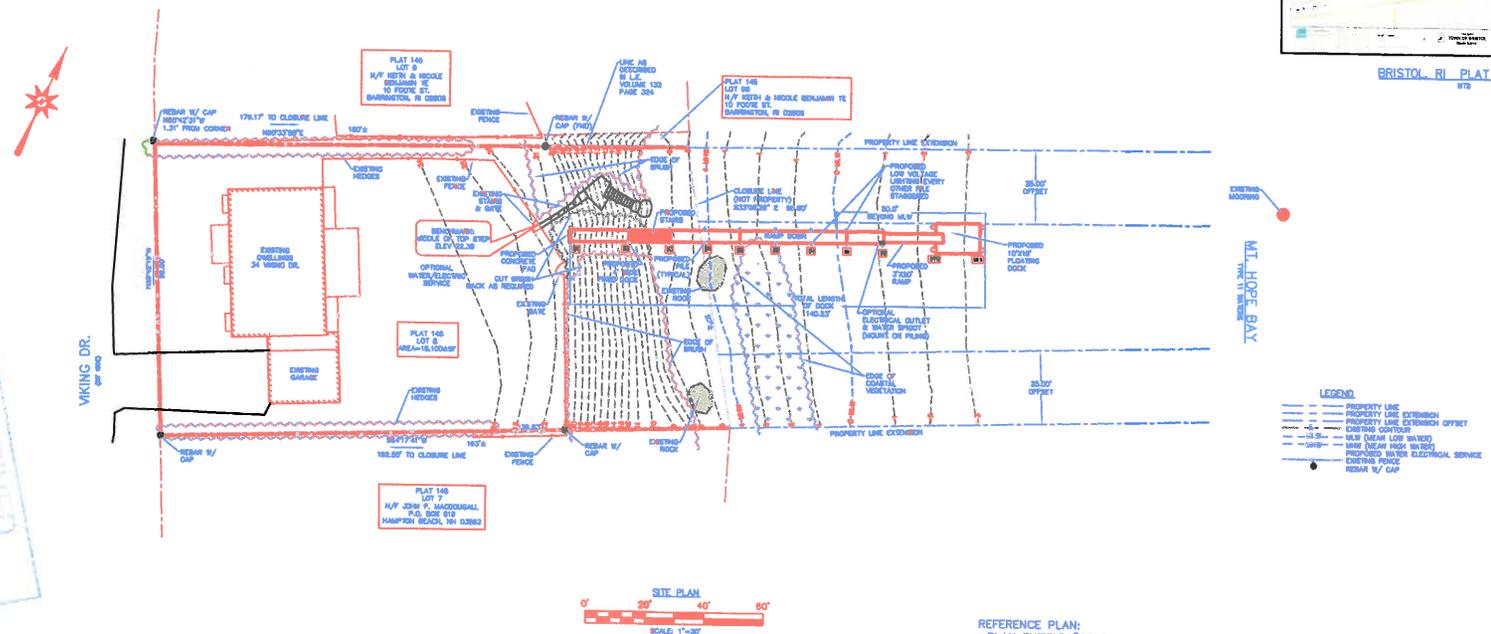
AERIAL PHOTO
N18



LOCUS PLAN
N18



BRISTOL, RI PLAT MAP #145
N18



RECEIVED
 SEP 29 2021
 PROJECT ENGINEER
 400 WASHINGTON AVENUE
 BRISTOL, RI 02809

NOTES:
 ALL MOORINGS FOUND WITHIN 50' OF END OF PROPOSED DOCK HAVE BEEN SHOWN ON PLAN

DATUM:
 REFERENCE DATUM IS MEAN LOW WATER

REFERENCE PLAN:
 -PLAN ENTITLED "COMPREHENSIVE BOUNDARY SURVEY, 34 VIKING DRIVE, BRISTOL, RI FOR JACK & DIANE MACKNIS, A.P. 145, LOT 8" PREPARED BY: DAVID D. GARDNER & ASSOCIATES, INC. DATED: 1/23/21

OWNER/SITE LOCATION:
 JOHN & DIANE MACKNIS
 34 VIKING DR.
 BRISTOL, RI 02809

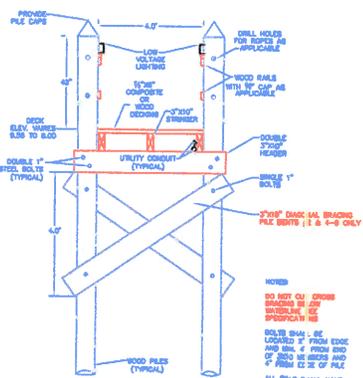


DATE:	8/24/21
CHK:	RB
DRG:	VS
REV:	01/21
DESIGNED BY:	SEI
CHECKED BY:	SEI
DATE:	8/24/21
CHK:	RB
DRG:	VS
REV:	01/21
DESIGNED BY:	SEI
CHECKED BY:	SEI

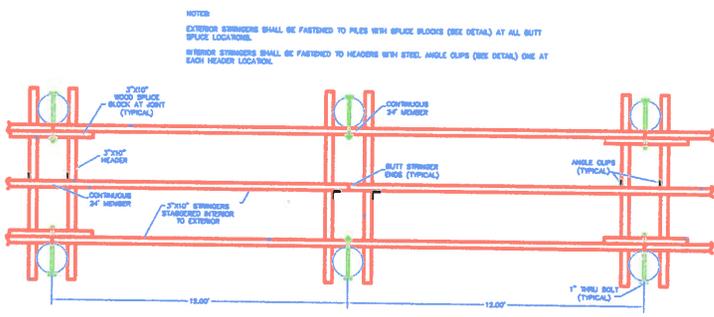
SEI
 SITE ENGINEERING INC.
 CIVIL • SURVEY • STRUCTURAL
 75 POND STREET
 BRISTOL, RI 02809
 PHONE: (401) 338-0877

SITE PLAN AND SPECIFICATIONS
RESIDENTIAL BOATING FACILITY
 PLAT 145, LOT 8
 34 VIKING DR.
 BRISTOL, RHODE ISLAND.

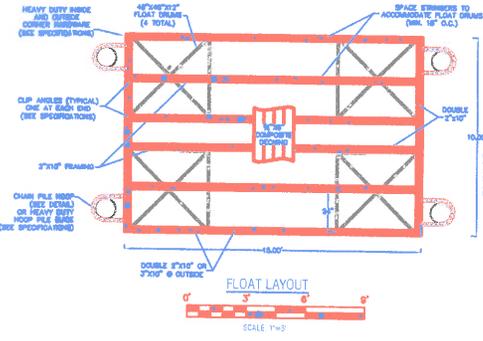
SCALE AS NOTED
 SHEET OF
DK-1



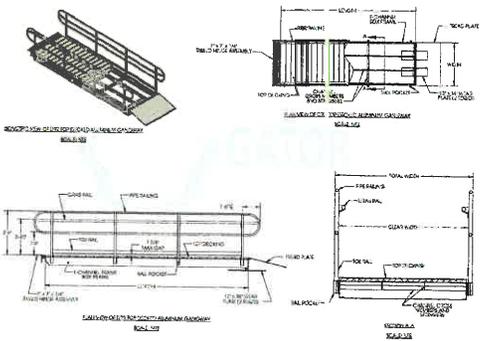
TYPICAL CROSS SECTION
NOT TO SCALE



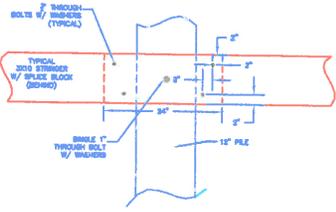
TYPICAL STRINGER LAYOUT
NOT TO SCALE



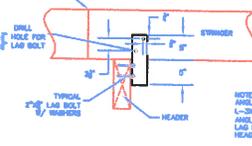
SCALE 1/4"=1'



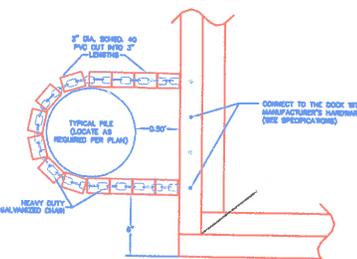
PROPOSED ALUMINUM RAMP
NOT TO SCALE



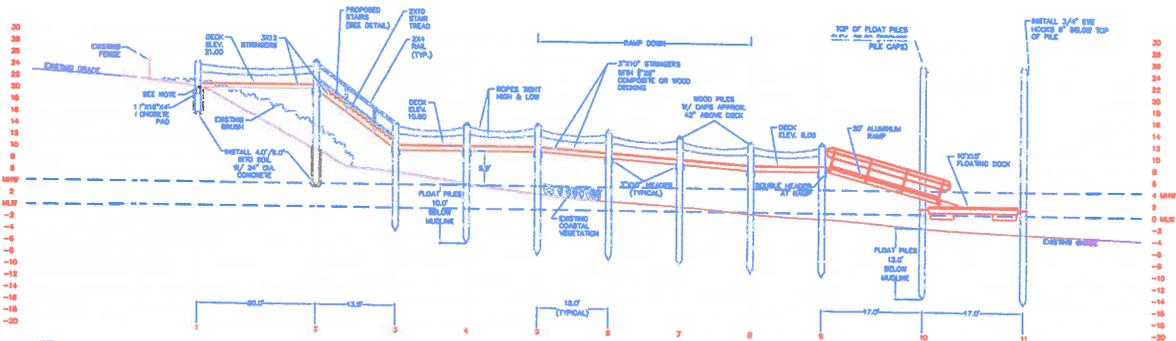
SPLICE BLOCK DETAIL
NOT TO SCALE



STRINGER/HEADER CONNECTION DETAIL
NOT TO SCALE

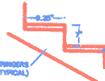


CHAIN HOOP DETAIL
SCALE 1/2"=1'



DOCK PROFILE
SCALE 1"=10'

STAIR RISE SHALL BE 7"
STAIR RUN SHALL BE 9.25"
(2X10)



STAIR DETAIL
NOT TO SCALE

NOTE:
INSTALL 4" x 4" x 1/4" SIZE 3 ANGLE (UNLAKED) TO FASTEN JOINT AT REAR CONCRETE W/ 1-1/2" x 4" EXPANDED BOLTS @ 8\"/>

NOTE:
FLOOD ZONE IS 1/4 (EL. 21) MIN. HEIGHT OF FLOAT PILES=21+(2)(2)(2.5) + 1.5(7)(2)(2.5) + 1 = 25.50

NOTE:
ALL PILED PIER PILES SHALL BE DRIVEN 12' BELOW MIDDLE. ALL FLOAT PILES SHALL BE DRIVEN 12' BELOW MIDDLE.

OWNER/SITE LOCATION:
JOHN & DIANE MACKNS
34 VIKING DR.
BRISTOL, RI 02809



DESIGN	REB	VS	REVISIONS
CHECK	REB	VS	
DATE	8/31/21		

SEI
SITE ENGINEERING INC.
CIVIL • CONTRACT • STRUCTURAL
100 W. MAIN STREET
BRISTOL, RI 02809
PHONE: (401) 383-8887

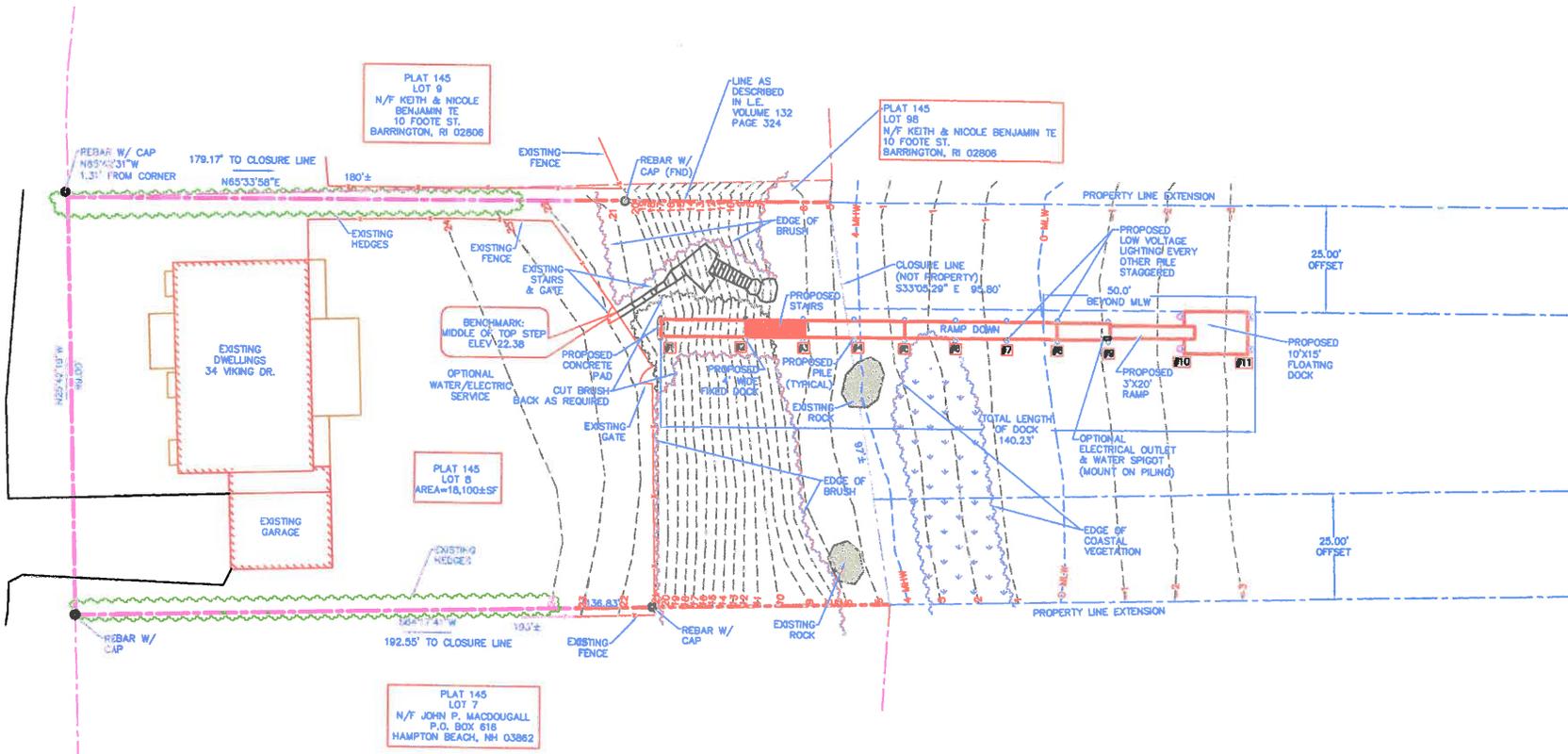
DOCK PROFILE & DETAILS
RESIDENTIAL BOATING FACILITY
PLAT 145, LOT 8
34 VIKING DR.
BRISTOL, RHODE ISLAND

OWNER/SITE LOCATION:
JOHN & DIANE MACKNS
34 VIKING DR.
BRISTOL, RI 02809

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CONSULTING ENGINEER



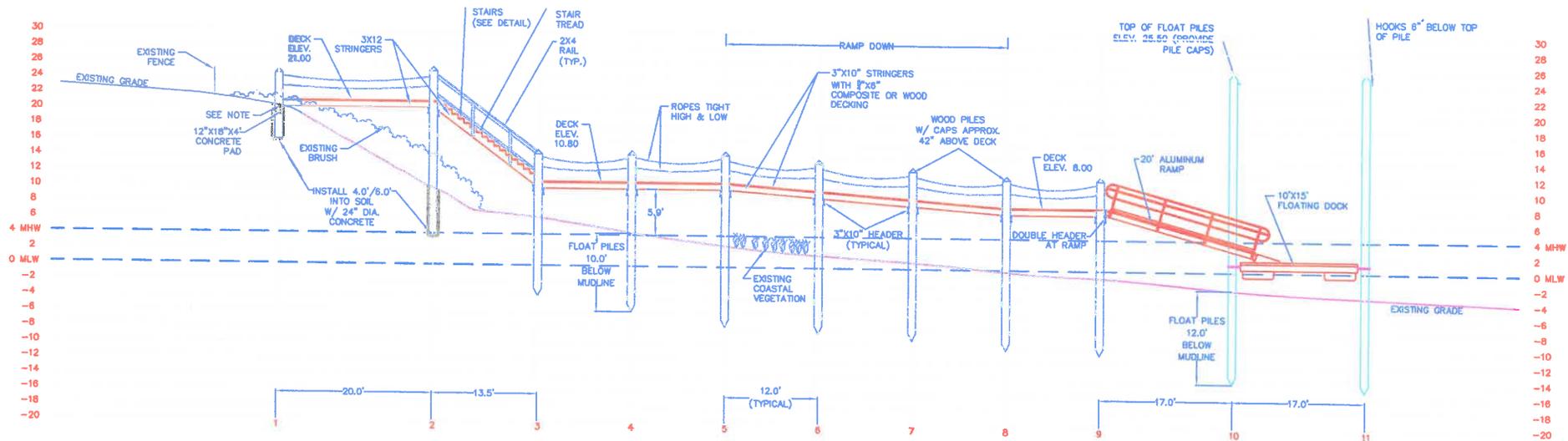
VIKING DR.
(50' WIDE)



EXISTING MOORING

MT. HOPE BAY
TYPE 11 WATERS

RECEIVED
SEP 29 2021
CONVENT RECORDERS
MANVILLE, NEW HAMPSHIRE

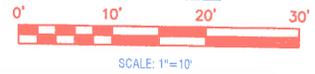


NOTE:
 INSTALL 4" x 4" x 1/4" STEEL ANGLES (GALVANIZED) TO FASTEN JOIST AT NEW CONCRETE PAD. FASTEN INTO CONCRETE W/ 2-1/2" x 4" EXPANSION BOLTS & INTO EACH JOIST W/ 2- 1/4" x 3" LAG BOLTS

NOTE:
 FLOOD ZONE IS VE (EL 21) MSL. HEIGHT OF FLOAT PILES=21+2'(MLW TO MSL)+1.5'(FREEBOARD)+1'=25.50

NOTE:
 ALL FIXED PIER PILES SHALL BE DRIVEN 10' BELOW MUDLINE. ALL FLOAT PILES SHALL BE DRIVEN 12' BELOW MUDLINE.

DOCK PROFILE



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 COASTAL RESOURCE
 MANAGEMENT COMPANY