



Oliver Stedman Government Center
4808 Tower Hill Road; Suite 116
Wakefield, RI 02879
401-783-3370

PUBLIC NOTICE

File Number: 2020-11-30

Date: 11/24/2020

This office has under consideration the application of:

**Sarah J. Fessler
44 Riverside Drive
Riverside, RI 02915**

for a State of Rhode Island Assent to construct and maintain:

A residential dock consisting of a fixed pier, ramp and float having an overall length of 154.7'. A variance is requested to the minimal water depth standard contained in red book (650-RICR-20-00-1) section 1.3.1(D)(11)(z) – table 8 which requires a minimum water depth of 18 inches at the proposed dock terminus. As proposed, the water depth will be six (6) inches at the dock terminus which will be located 50 feet beyond mean low water (MLW).

Project Location:	44 Riverside Drive
City/Town:	East Providence
Plat/Lot:	414/7
Waterway:	Bullocks Cove

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 24, 2020.

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 SUBMIT RECORDS TO THE DESIGN ENGINEER.

ALL WOOD PILINGS SHALL BE 12" DIAMETER SOUTHERN PINE WITH A MINIMUM TIP DIAMETER OF 8". MINIMUM PILE DIAMETER AT MUDLINE SHALL BE 10". PRESSURE TREATMENT SHALL BE 2.5 LB/CF CCA. PILES SHALL BE DRIVEN TO DEPTHS AS INDICATED ON THE PLAN. PILES MAY BE DRIVEN USING A VIBRATORY 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 CCA. DIAGONAL BRACING SHALL NOT BE CUT BELOW THE MHW LINE. ALL CUTTING OF SUCH MEMBERS SHALL BE DONE ON THE END ABOVE MHW. FOR ALL OTHER MEMBERS (STRINGERS, HEADERS, WOOD DECKING AND ANY POST OR RAILS) TREATMENT SHALL BE 0.6 LB/CF CCA.

ALL METAL CONNECTION MATERIALS SHALL BE HOT DIPPED GALVANIZED. BOLTS SHALL BE A MINIMUM OF 36KSI 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.

DECKING FOR FIXED DOCK SHALL BE ¾"x6" COMPOSITE OR WOOD MEMBERS. ALTERNATIVELY 2X6 MEMBERS CAN BE USED. FASTENERS FOR DECKING SHALL BE 2½" GALVANIZED STEEL SCREWS TWO AT EACH ATTACHMENT LOCATIONS.

FLOATING DOCK SHALL BE OF WOOD CONSTRUCTION AND HAVE APPROXIMATELY 18" FREEBOARD AND 6" DRAFT. DECKING SHALL BE ¾"x6" COMPOSITE. FLOATING DOCKS SHALL HAVE HEAVY DUTY INSIDE AND OUTSIDE CORNER HARDWARE AT EACH CORNER LOCATION (FOLLANSBEE WD-E AND WD-IN OR EQUAL). ANGLE CLIPS (FOLLANSBEE RWD-A OR EQUAL) SHALL BE PROVIDED FOR INTERIOR STRUCTURAL MEMBERS AS INDICATED. CLIPS SHALL BE FASTENED USING 2"x3/8" GALVANIZED LAG BOLTS INTO EACH CONNECTING MEMBER.

LOAT DRUMS SHALL BE FOAM FILLED POLYTHYLENE WITH UV INHIBITORS AND SHALL HAVE STRUCTURAL MOUNTING FLANGES. DESIGN IS BASED ON FLOAT DRUMS AS MANUFACTURED BY "CUSTOM FLOATS." ANY PROPOSED SUBSTITUTES SHALL BE APPROVED BY THE DESIGN ENGINEER.

SECURE FLOAT DRUMS AT ALL EDGES IN CONTACT WITH STRUCTURAL MEMBERS. FOLLOW MANUFACTURES SPECIFICATIONS. ¾" LAG BOLTS WITH 1½" WASHERS AND 1" PENETRATOR INTO STRUCTURAL MEMBER SHALL BE A REQUIRED MINIMUM. WHERE TWO DRUMS MEET ON THE SAME STRUCTURAL MEMBER, USE ONE FASTENER FOR EACH DRUM.

PILE HOLDERS FOR FLOATING DOCK PILES SHALL BE HEAVY DUTY GALVANIZED, CHAIN TYPE FOR USE WITH 12" PILINGS (FOLLANSBEE PH-C OR EQUAL). PLACEMENT OF ALL PILES SHALL BE SO AS TO ALLOW FLOAT TO BE TIED OFF FROM PILINGS SUCH THAT NO CONTACT WITH PILINGS OCCURS.

AS AN ALTERNATIVE, PILE HOLDERS FOR FLOATING DOCK MAY BE HEAVY DUTY GALVANIZED, SINGLE ROLLER TYPE FOR USE WITH 12" PILINGS (FOLLANSBEE PH-H14R 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 4-½" THROUGH BOLTS (IN HORIZONTAL DIRECTION) AND 4-¾" LAG BOLTS (VERTICAL DIRECTION). USE 3"x10" SPLICE BLOCK BEHIND OUTSIDE MEMBER TO PROVIDE ADEQUATE WIDTH FOR FASTENING. USE METAL BACKER PLATES FOR ½" THROUGH BOLTS.

CLEATS SHALL BE PROVIDED FOR FLOATING DOCK, TWO ON EACH SIDE 1' FROM EACH END. CLEAT SIZE SHALL BE 10" (FOLLANSBEE C-10-M OR EQUAL) AND SHALL BE FASTENED TO WOOD MEMBERS USING CLEAT ANGLES.

A VINYL BUMPER STRIP SHALL BE PROVIDED ALONG THE OUTBOARD SIDE OF THE FLOATING DOCK. BUMPER STRIP SHALL BE AS MANUFACTURED BY "FOLLANSBEE" MODEL VRR-2 OR EQUAL.

RAMP SHALL BE ALUMINUM AND CONSTRUCTION SHALL BE BY MANUFACTURER REGULARLY ENGAGED IN THE TRADE. RAMP SHALL BE CONNECTED TO FIXED PORTION OF DOCK AS RECOMMENDED BY MANUFACTURER. ROLLER ASSEMBLY AT FLOATING DOCK SHALL BE 2" DIAMETER BY 6" WIDE SMALL ROLLER TYPE. INSTALL PLASTIC OR METAL SHEET TO DECK, FOR ROLLERS.

UTILITY SPECIFICATIONS:

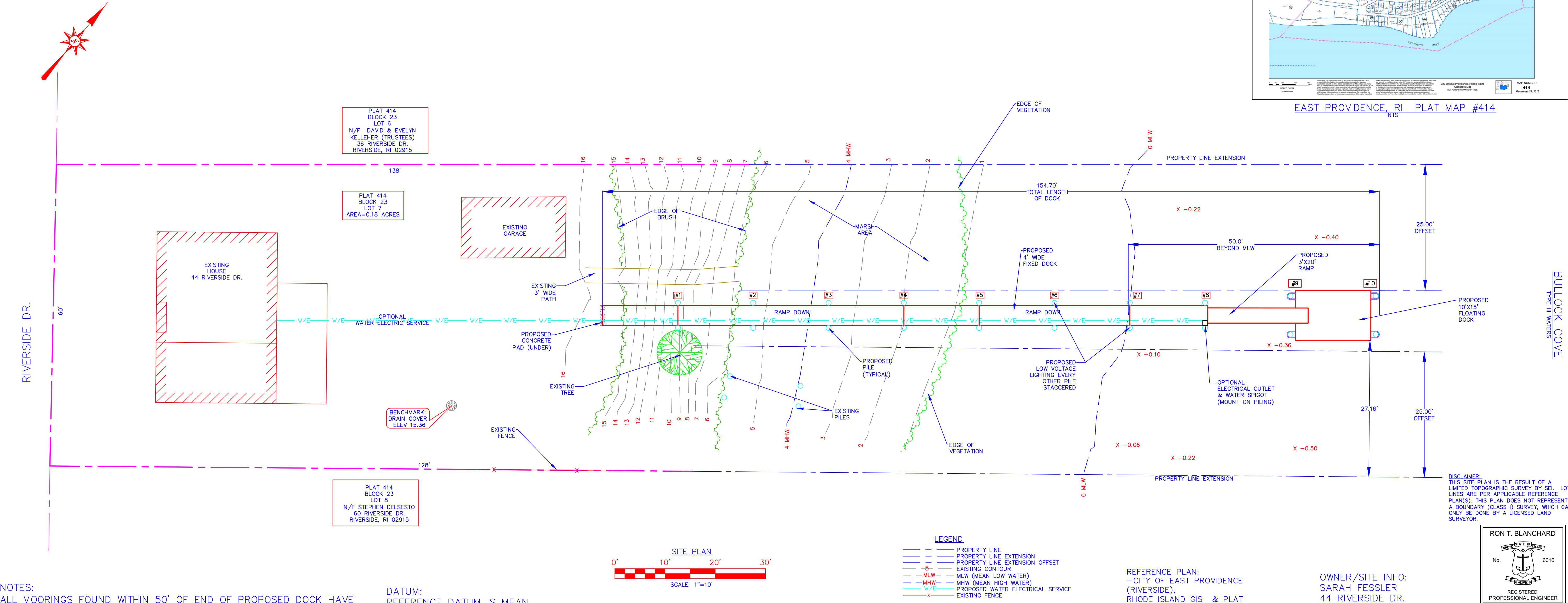
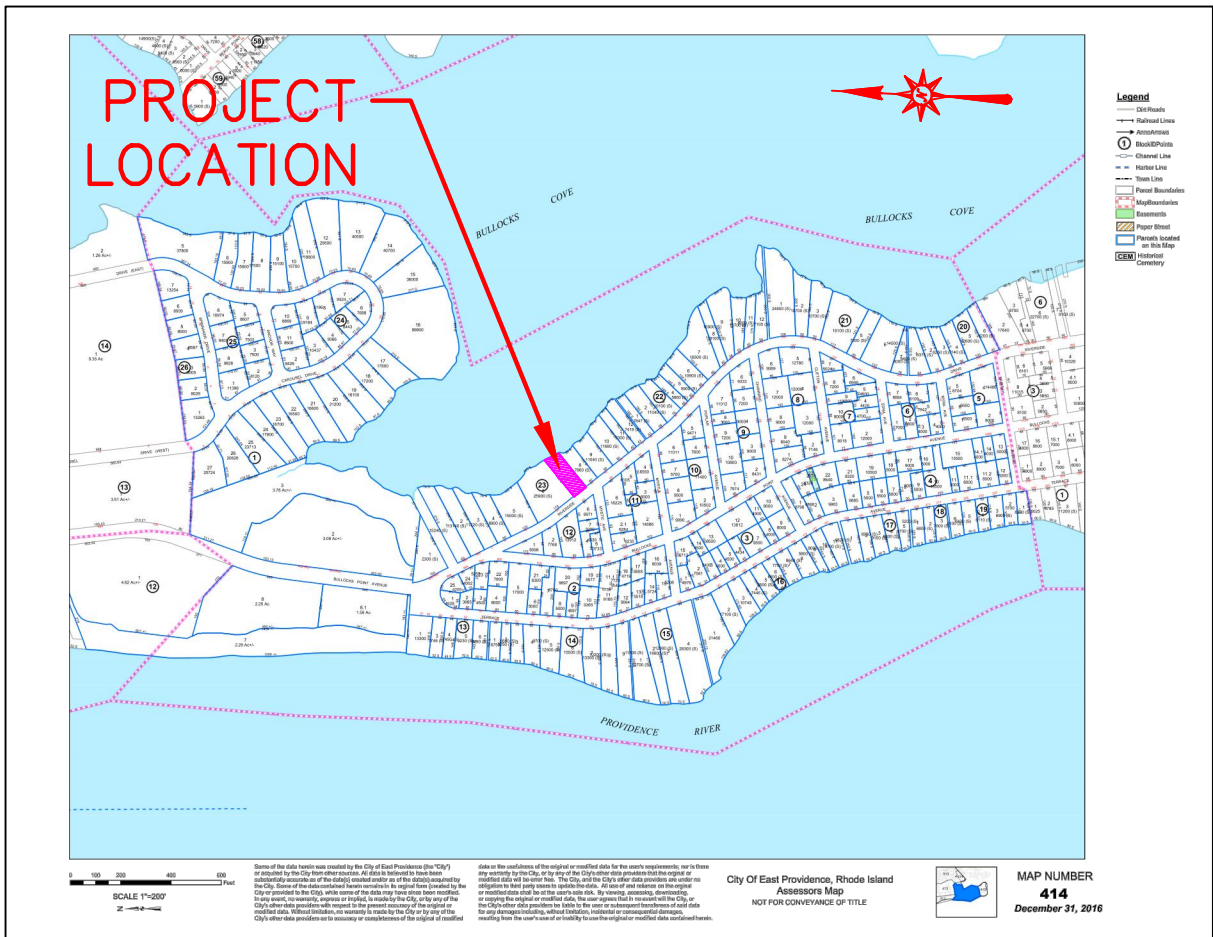
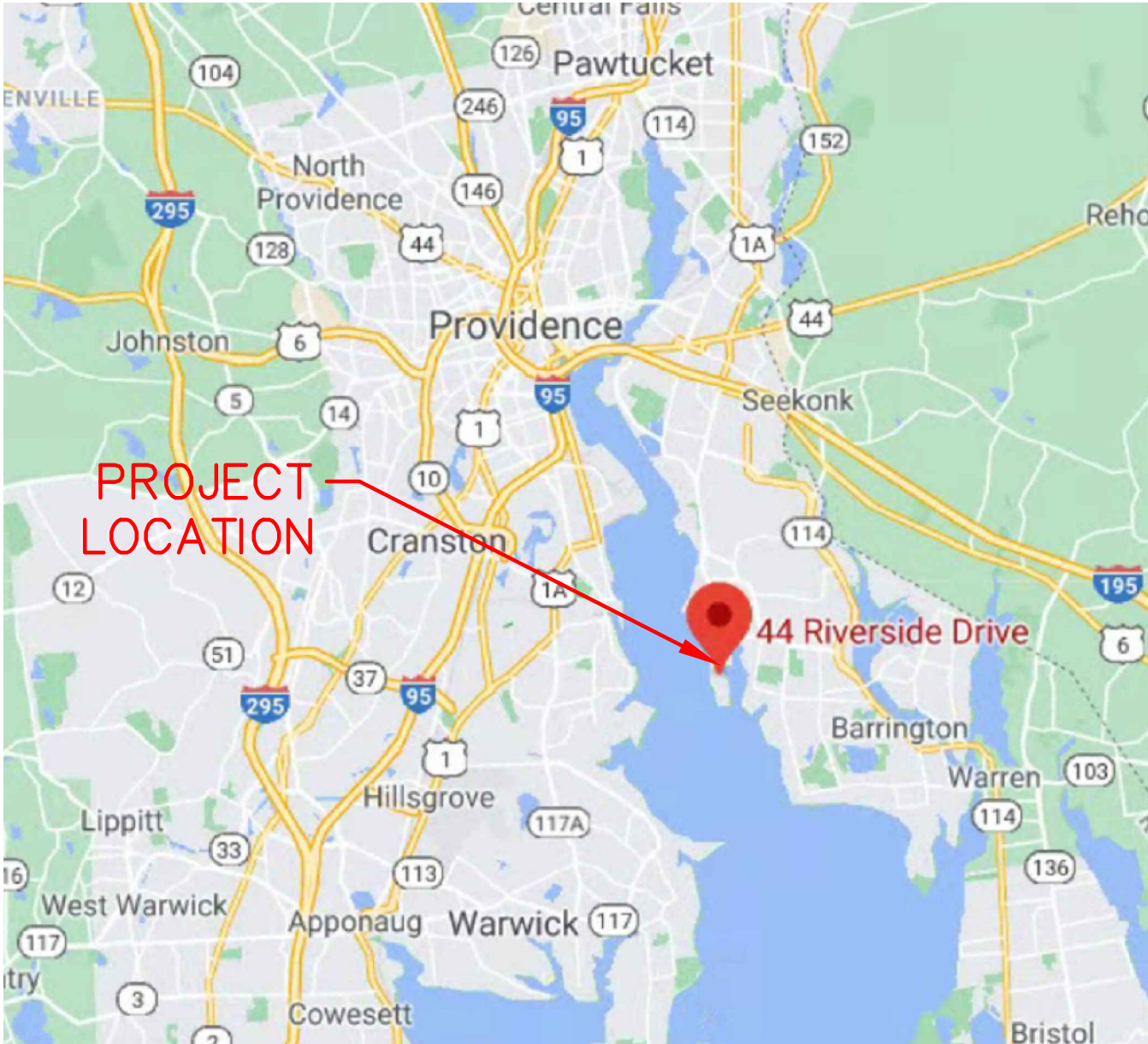
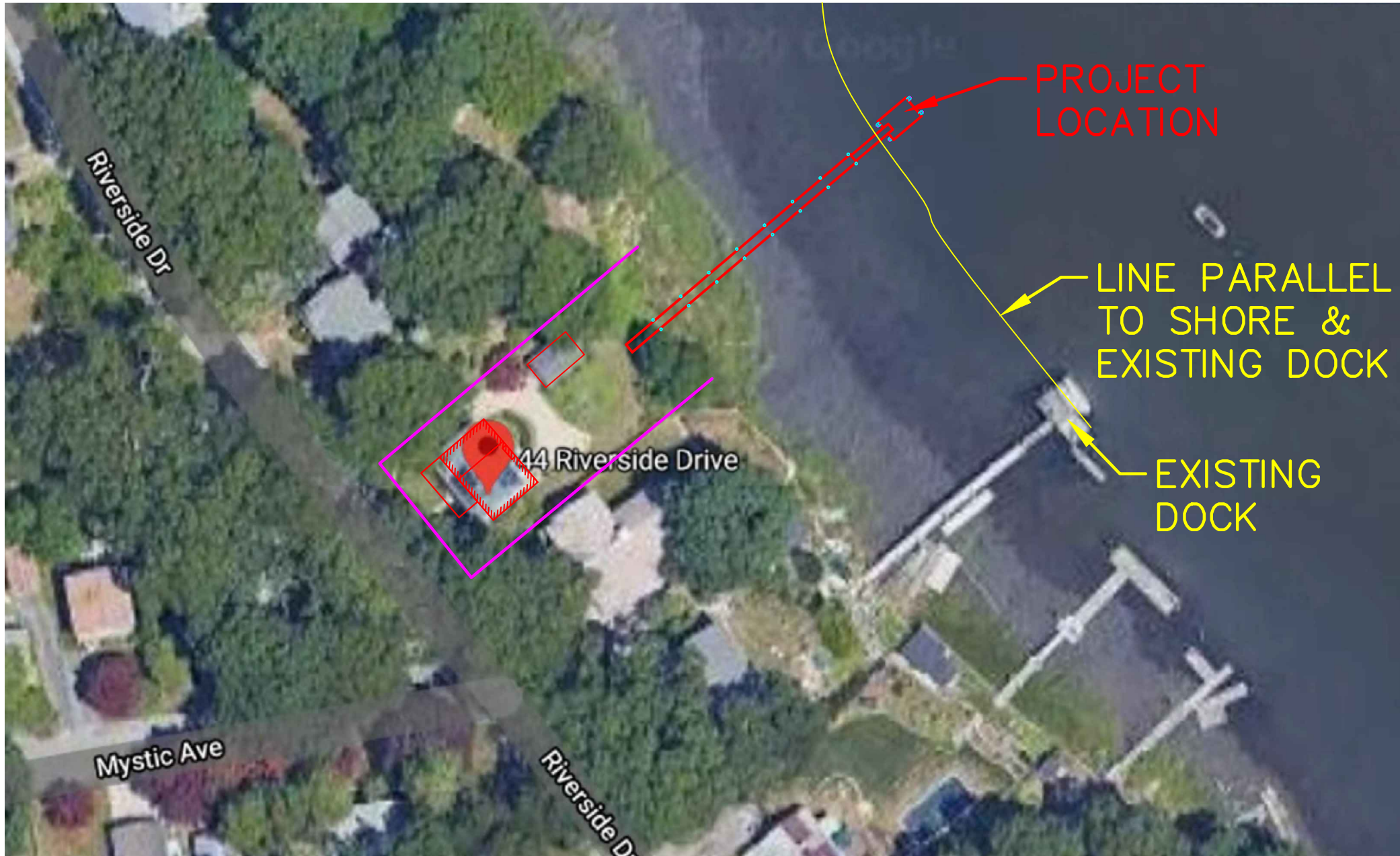
ALL UTILITY WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN THEIR RESPECTIVE TRADES. ALL WORK SHALL MEET REQUIREMENTS OF THE CURRENT STATE BUILDING CODES.

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.

WATER LINE SHALL BE ¾" POLYTHYLENE TUBING AS MANUFACTURED BY "AQUAPEX" OR EQUAL. INSTALL SUITABLE 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 SPIGOT 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" ACROSS EXISTING LAWN AREA. UTILITIES SHALL BE SECURED TO UNDERSIDE OF PIER AS INDICATED, WITH GALVANIZED METAL FASTENERS EVERY 5' 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 SEPERATE CONDUIT AS REQUIRED BY CODE.



REVISIONS		DATE		SYMBOL	
001			11/7/20		APP-VO

DSGN.	RB	DR.	VS	CHK.	RB	DATE:	8/26/20

SEI
SITE ENGINEERING INC.
CIVIL • COASTAL • STRUCTURAL
75 WOOD STREET
BRISTOL, RI 02809
PHONE: (401) 253-8231

RIVERSIDE, RHODE ISLAND.

44 RIVERSIDE DR.

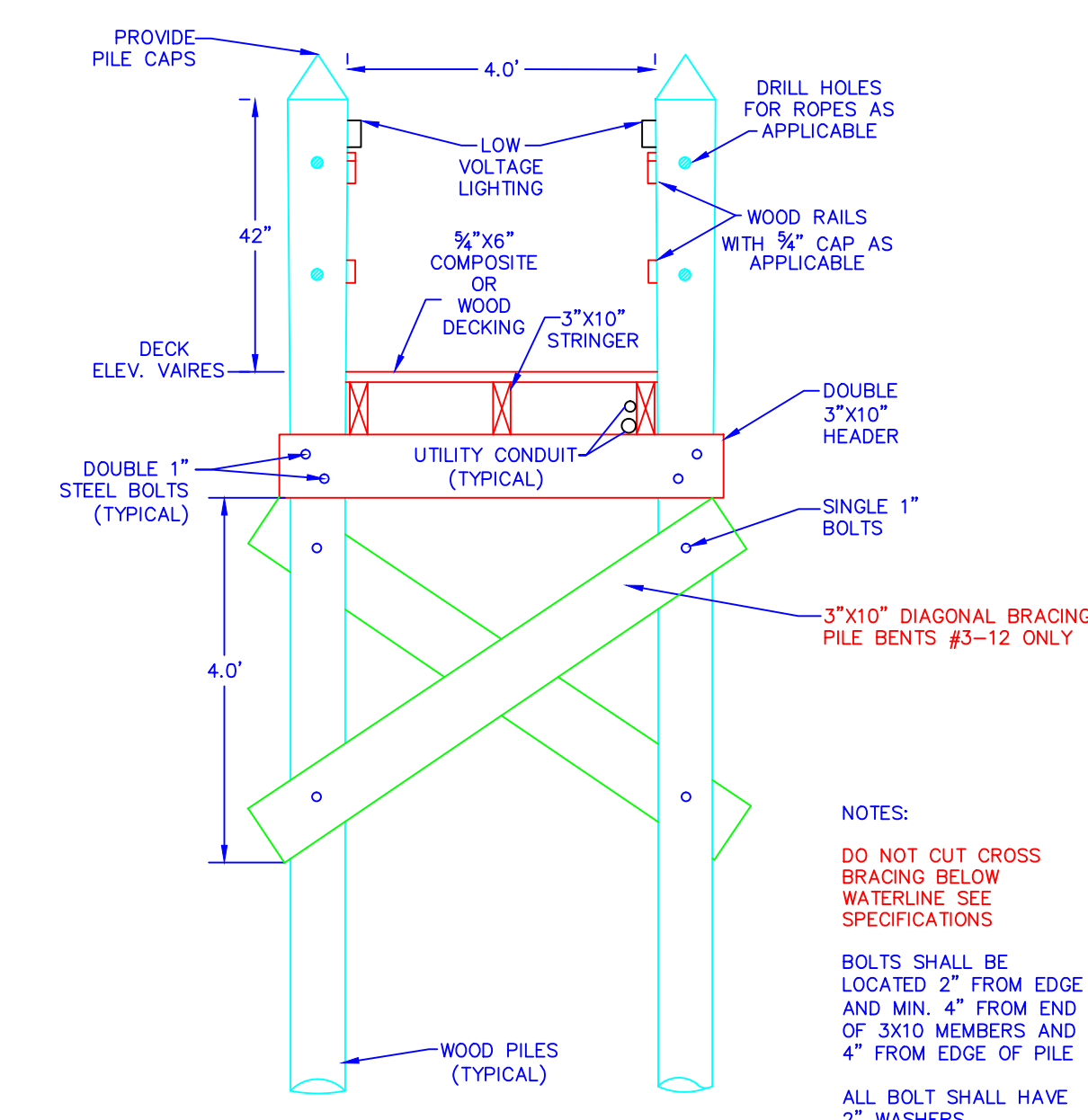
PLAT 414, BLOCK 23, LOT 7

RESIDENTIAL BOATING FACILITY

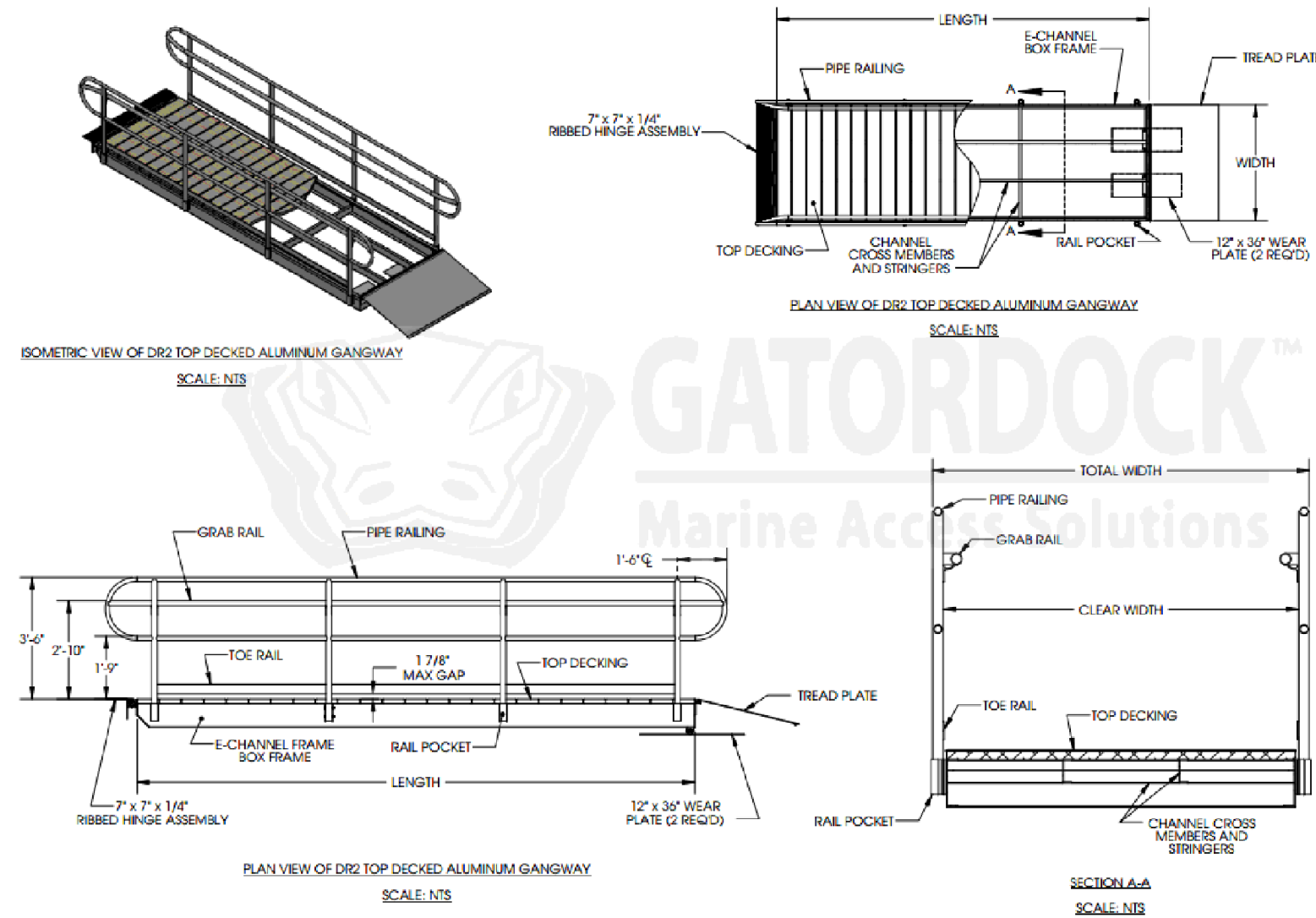
Received by CRMC
11/9/2020

SCALE: AS NOTED
(SHEET 1 OF 2)

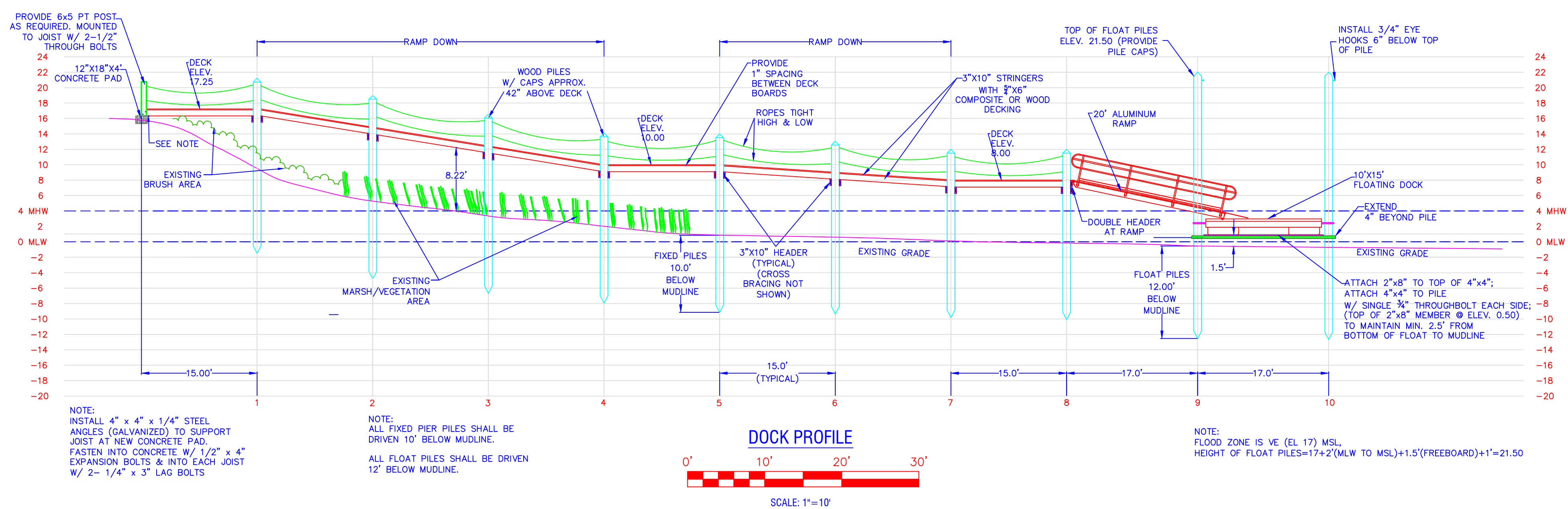
DK-1



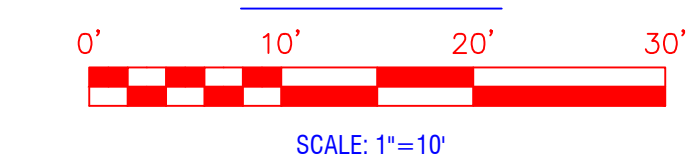
TYPICAL CROSS SECTION
NOT TO SCALE



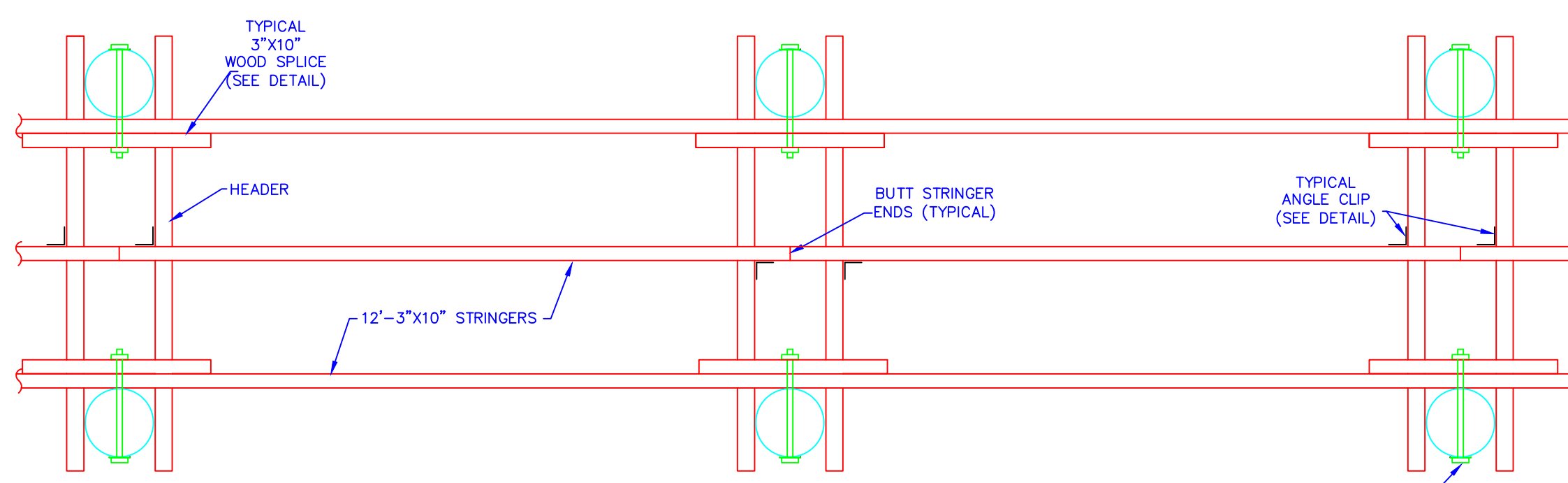
PROPOSED ALUMINUM RAMP
NOT TO SCALE



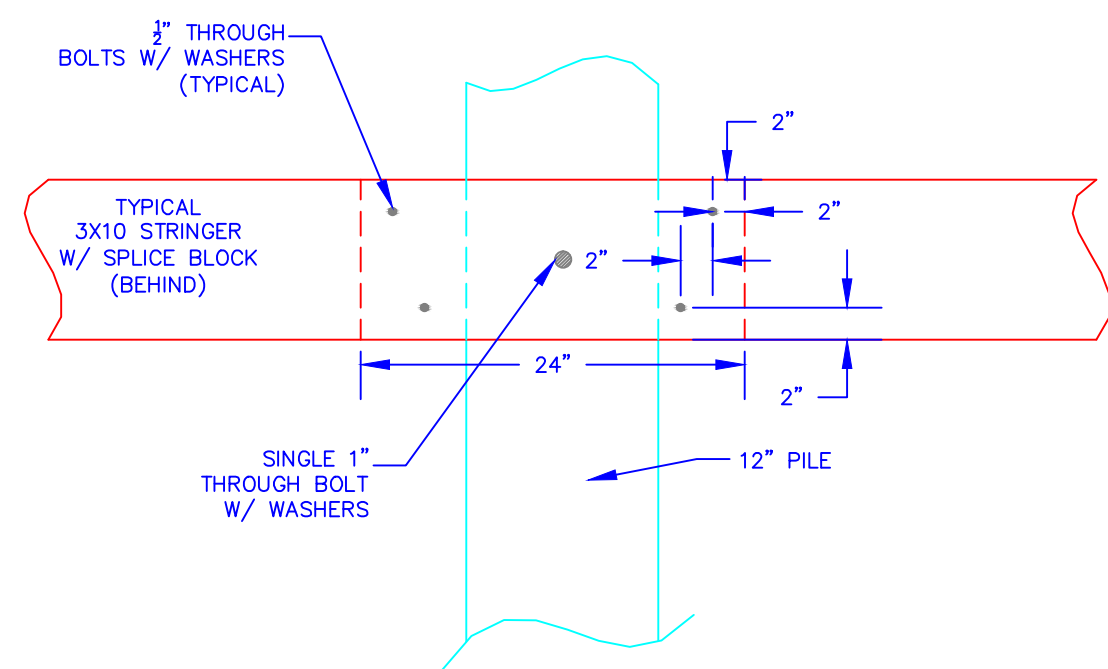
DOCK PROFILE
NOT TO SCALE



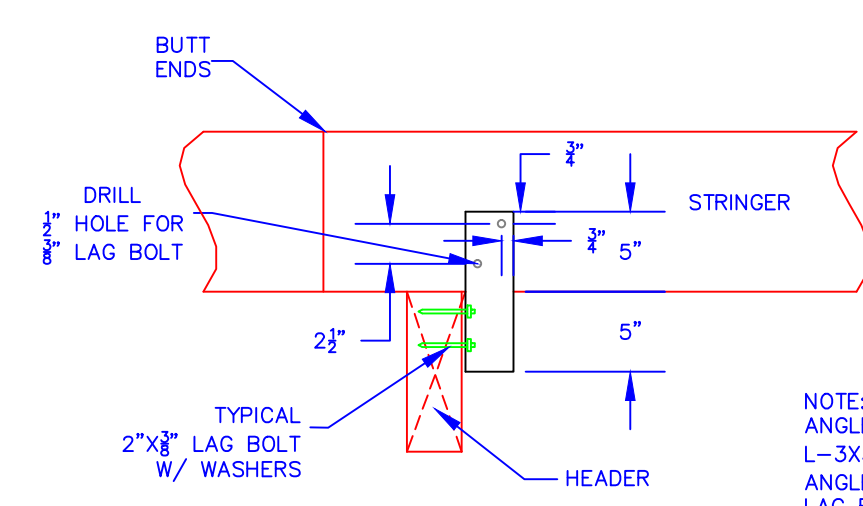
NOTES:
PROVIDE SPLICE BLOCKS FOR STRINGERS AT ALL OUTSIDE LOCATIONS.
AT BUTT SPLICE LOCATIONS EXTERIOR STRINGERS SHALL BE FASTENED TO SPLICE WITH TWO 1/2\"/>



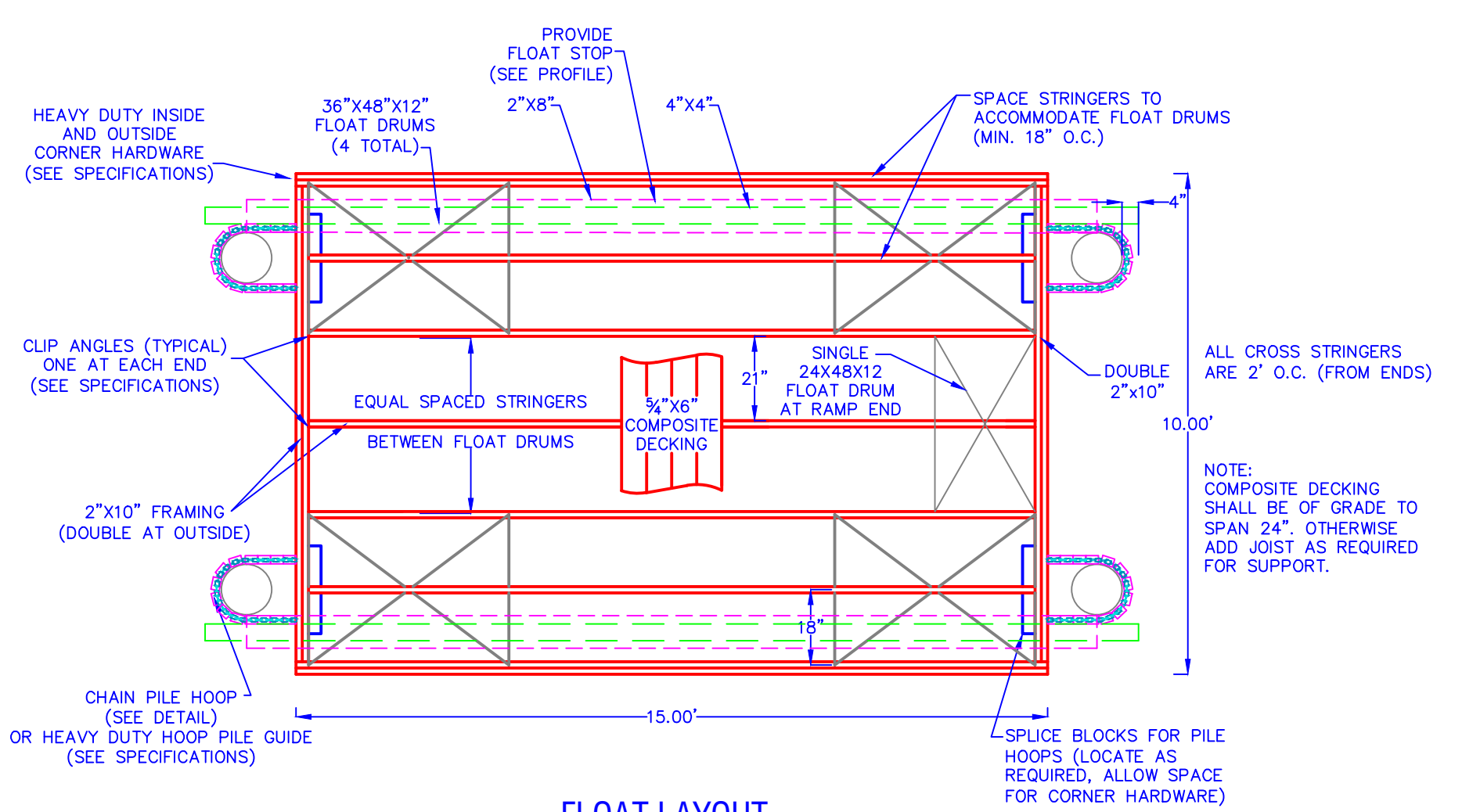
TYPICAL STRINGER LAYOUT
NOT TO SCALE



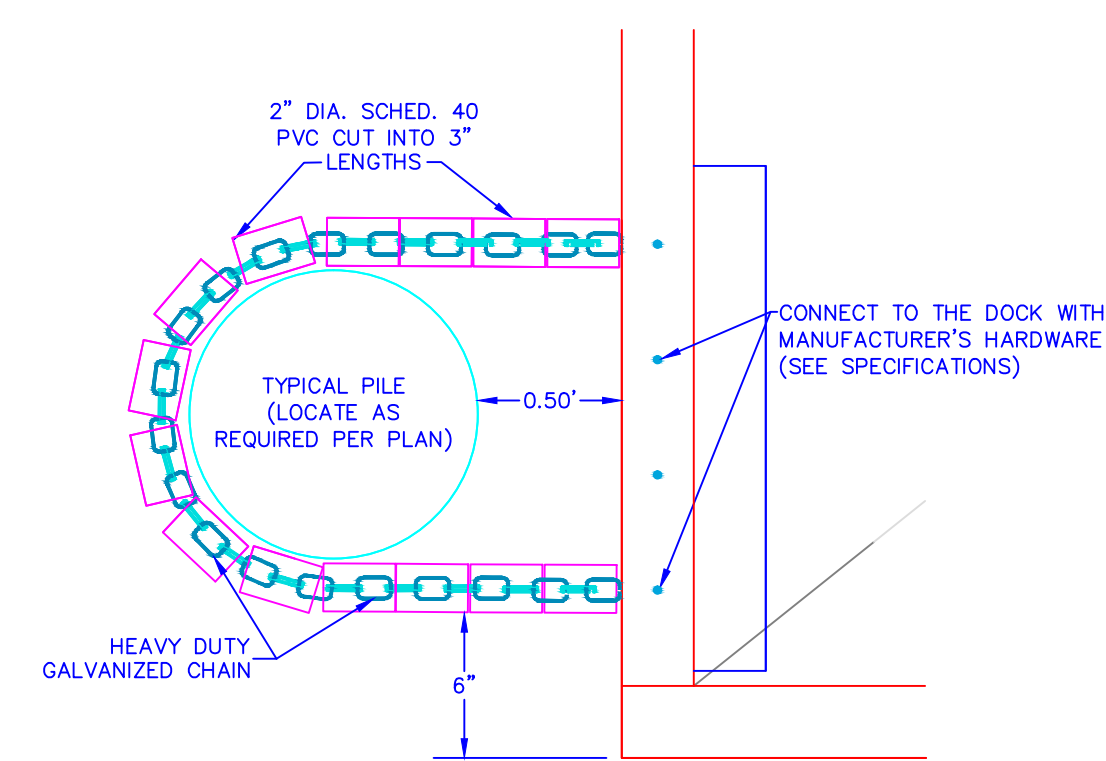
SPLICE BLOCK DETAIL
NOT TO SCALE



STRINGER/HEADER CONNECTION DETAIL
NOT TO SCALE



SCALE: 1"=3'



SCALE: 1.5"=1'

MINOR REVISIONS		DATE	DESCRIPTION	REVISIONS
001		11/3/20		

DSGN.	RB	VS	RB	DATE: 8/26/20
DR.				
CHK.				

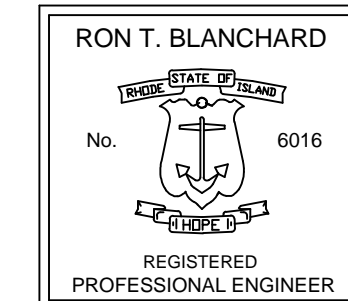
SITE ENGINEERING INC. SEI
CIVIL • COASTAL • STRUCTURAL
75 WOOD STREET
BRISTOL, RI 02809
PHONE: (401) 253-8231

DOCK PROFILE & DETAILS
RESIDENTIAL BOATING FACILITY
PLAT 414, BLOCK 23, LOT 7
44 RIVERSIDE DR.
RHODE ISLAND, RI 02915

Received by CRMC
11/9/2020

SCALE: AS NOTED
(SHEET 2 OF 2)

DK-2



OWNER/SITE INFO:
SARAH FESSLER
44 RIVERSIDE DR.
EAST PROVIDENCE, RI 02915