

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 MAY NOT BE ACHIEVED THE CONTRACTOR SHALL RECORD THESE LOCATIONS AND SUBMIT RECORDS TO THE DESIGN ENGINEER.

ALL WOOD PILING SHALL BE 12" DIAMETER SOUTHERN PINE WITH A MINIMUM TP DIAMETER OF 6". MINIMUM PILE DIAMETER AT HAULLINE SHALL BE 50". PRESURE TREATMENT SHALL BE 2.5 LB/CF OF COA. 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 COA. DIAGONAL BRACING SHALL NOT BE CUT BELOW THE MID LINE. ALL CUTTING OF SUCH MEMBERS SHALL BE DONE ON THE END ABOVE WATER FOR ALL OTHER MEMBERS (STRONGS, HEADERS, BIDD DORIES AND ANY POST OR RAIL) TREATMENT SHALL BE 0.5 LB/CF COA.

ALL METAL CONNECTION MATERIALS SHALL BE HOT DIPPED GALVANIZED. BOLTS SHALL BE A MINIMUM OF 3005 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" WAMINGS BOTH SIDES.

DESIGN FOR FIXED DOCK SHALL BE 6"/4" COMPOSITE. ALTERNATIVELY 2X8 MEMBERS CAN BE USED. FASTENERS FOR DESIGNING SHALL BE 2" STAINLESS STEEL SCREWS TWO AT EACH ATTACHMENT LOCATION.

FLLOATING DOCK SHALL BE OF WOOD CONSTRUCTION AND HAVE APPROXIMATELY 1/4" FREEBOARD AND 8" DRAFT. DESIGN SHALL BE 8"/4" COMPOSITE. FLLOATING DOCKS SHALL HAVE HEAVY DUTY BIRD AND OUTRIGER CORNER HARDWARE AT EACH CORNER LOCATION (POLLANBEE 80-4 AND 80-10-11 OR EQUAL). ANGLE CLIPS (POLLANBEE 80-4 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.

FLLOAT DRAINS SHALL BE FOAM FILLER POLYETHYLENE WITH 1/4" WAMINGS AND SHALL HAVE STRUCTURAL MOUNTING FLANGES. DESIGN IS BASED ON FLLOAT DRAINS AS MANUFACTURED BY "CUSTOM FLAOTE". ANY PROPOSED SUBSTITUTES SHALL BE APPROVED BY THE DESIGN ENGINEER.

SECURE FLLOAT DRAINS AT ALL EDGES IN CONTACT WITH STRUCTURAL MEMBERS. FOLLOW MANUFACTURER SPECIFICATIONS. 3/4" LAG BOLTS WITH 1/2" WAMINGS AND 1" PENETRATOR INTO STRUCTURAL MEMBER SHALL BE A REQUIRED MINIMUM WHERE TWO DRAINS MEET ON THE SAME STRUCTURAL MEMBER. USE ONE FASTENER FOR EACH DRAIN.

PILE HOLDERS FOR FLLOATING DOCK PILES SHALL BE HEAVY DUTY GALVANIZED, GRAM TYPE FOR USE WITH 12" PILES (POLLANBEE PH-0 OR EQUAL). PLACEMENT OF ALL PILES SHALL BE SO AS TO ALLOW FLLOAT TO BE TIED OFF FROM PILES BACK THAT NO CONTACT WITH PILES OCCURS.

AS AN ALTERNATIVE, PILE HOLDERS FOR FLLOATING DOCK MAY BE HEAVY DUTY GALVANIZED, SINGLE ROLLER TYPE FOR USE WITH 12" PILES (POLLANBEE PH-114R OR EQUAL). PLACEMENT OF ALL PILES SHALL BE SO AS TO ALLOW MOVEMENT OF THE FLLOAT TO AVOID EXCESSIVE RUBBING OF HOOPS.

SECURE PILE HOLDERS TO FLLOATING DOCK WITH 4"-12" THROUGH BOLTS (IN HORIZONTAL DIRECTION) AND 4"-8" LAG BOLTS (IN VERTICAL DIRECTION). USE 2"x10" BRIDGE BLOCK BENEATH OUTSIDE MEMBERS TO PROVIDE ADOQUATE WIDTH FOR FASTENERS. USE METAL BRIDGE PLATES FOR 4" THROUGH BOLTS.

GLEATS SHALL BE PROVIDED FOR FLLOATING DOCK, TWO ON EACH SIDE 1" FROM EACH END. GREAT SIZE SHALL BE 1/2" (POLLANBEE O-10-16 OR EQUAL) AND SHALL BE FASTENED TO WOOD MEMBERS USING GREAT ANGLES.

A VINYL SLAMPER STRIP SHALL BE PROVIDED ALONG THE OUTBOARD SIDE OF THE FLLOATING DOCK. SLAMPER STRIP SHALL BE AS MANUFACTURED BY "POLLANBEE" MODEL VM-8 OR EQUAL. RAMP SHALL BE ALUMINUM AND CONSTRUCTION SHALL BE BY MANUFACTURER REGULARLY DUNGED IN THE TRADE. RAMP SHALL BE CONNECTED TO FIXED PORTION OF DOCK AS RECOMMENDED BY MANUFACTURER. ROLLER ANCHORS AT FLLOATING DOCK SHALL BE 2" DIAMETER BY 6" WIDE SMALL ROLLER TYPE. INSTALL PLASTIC OR METAL SHEET TO DOCK, FOR ROLLING.

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.

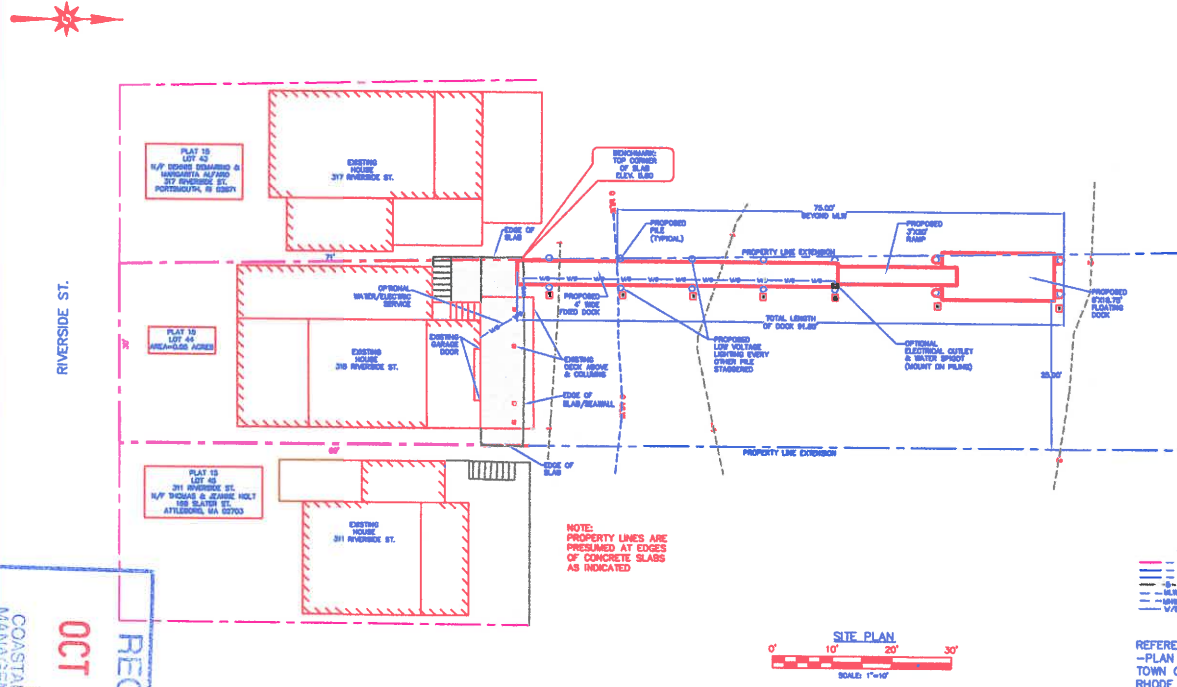
ELECTRICAL WIRE SHALL BE NEED BY THE ELECTRICAL CONTRACTOR. WIRE SHALL BE ENCASED IN PVC CONDUIT SUITABLE FOR MARINE APPLICATION. INSTALL EXTENSION-TYPE, MARINE GRADE, DOUBLE RECEPTACLE AT END OF PER AS INDICATED.

WATER LINE SHALL BE 3/4" POLYETHYLENE TUBING AS MANUFACTURED BY "ATLANTIC" OR EQUAL. INSTALL SUITABLE BACKFLOW PREVENTER AT EITHER EXISTING DWELLING OR PIER HEAD AS REQUIRED BY CODE. PROVIDE SHOWN AT PIER HEAD TO ALLOW DRAINAGE OF WATER FROM THE LINE DURING THE WATER LAYING. INSTALL SPOUT AT END OF PIER AS INDICATED.

ELECTRIC/WATER UTILITY LINES SHALL BE CONNECTED AT EXISTING DWELLING. LINES SHALL BE BURIED A MINIMUM DEPTH OF 18" ABOVE EXISTING LAWN AREA.

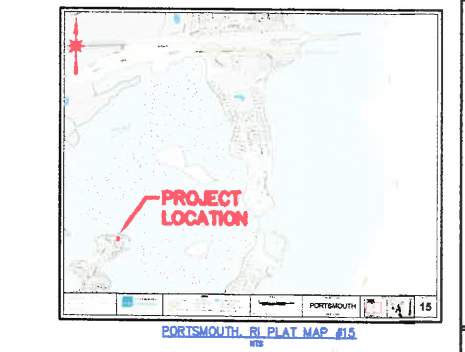
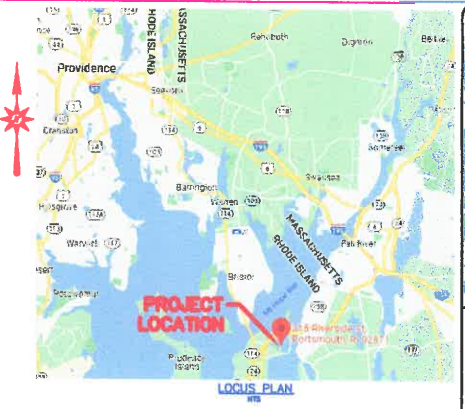
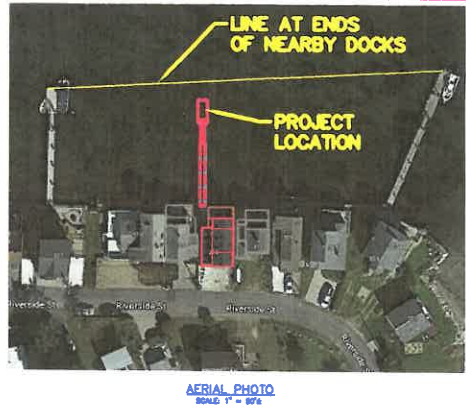
UTILITIES SHALL BE BURIED TO UNDERSIDE OF PIER AS INDICATED. WITH GALVANIZED METAL FASTENERS EVERY 8' ON CENTER.

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



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

DATUM:
REFERENCE DATUM IS MEAN LOW WATER



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REVISIONS

DESIGN: RB

DR: VS

CHK: RB

DATE: 8/9/22

SEI

SITE ENGINEERING INC. - PROFESSIONAL

CIVIL • ELECTRICAL • FOUNDATIONAL

30 HIGHLAND STREET, PORTSMOUTH, RI 02871

PHONE: (401) 961-0887

SITE PLAN AND SPECIFICATIONS
RESIDENTIAL BOATING FACILITY
PLAT 15, LOT 44
315 RIVERSIDE ST.
PORTSMOUTH, RHODE ISLAND

OWNER INFO:
RICHARD RUA
72 VIKING DR.
PORTSMOUTH, RI 02871

SITE LOCATION:
315 RIVERSIDE ST.
PORTSMOUTH, RI 02871

RON T. BLANCHARD
REGISTERED PROFESSIONAL ENGINEER

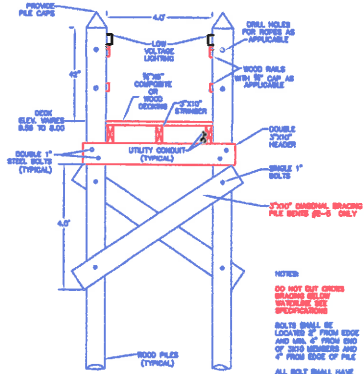
SCALE AS SHOWN

DK-1

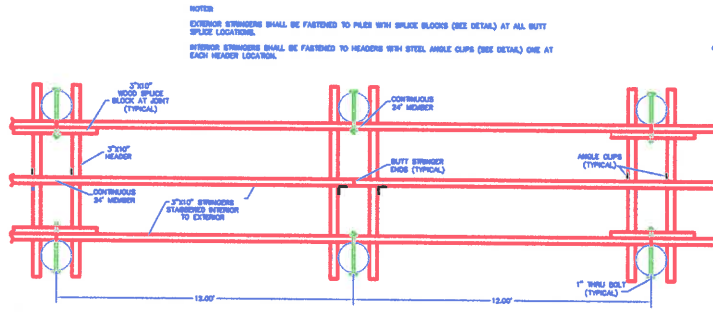
COASTAL RESOURCES MANAGEMENT DISTRICT COUNCIL

OCT 10 2022

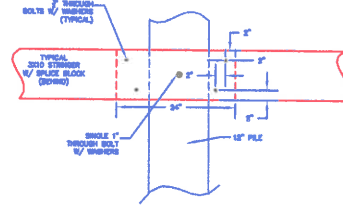
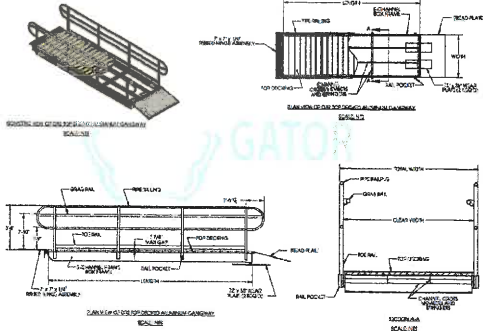
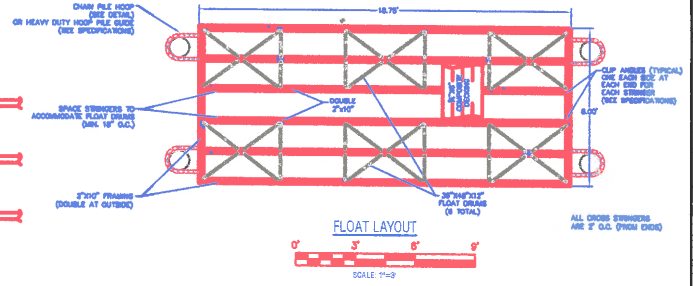
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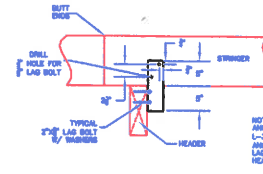
NOTES
DO NOT SET CROSS BRACING BELOW WATERLINE SEE SPECIFICATIONS
BOLTS SHALL BE LOCATED 2" FROM EDGE AND MIN. 2" FROM END OF 3000 MEMBERS AND 4" FROM SIDE OF PILE
ALL BOLT SHALL HAVE 3" WINGS



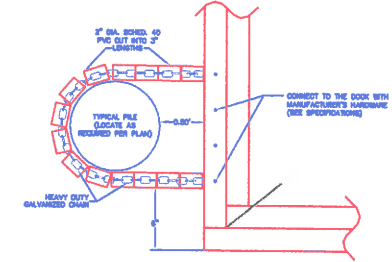
TYPICAL STRINGER LAYOUT
NOT TO SCALE



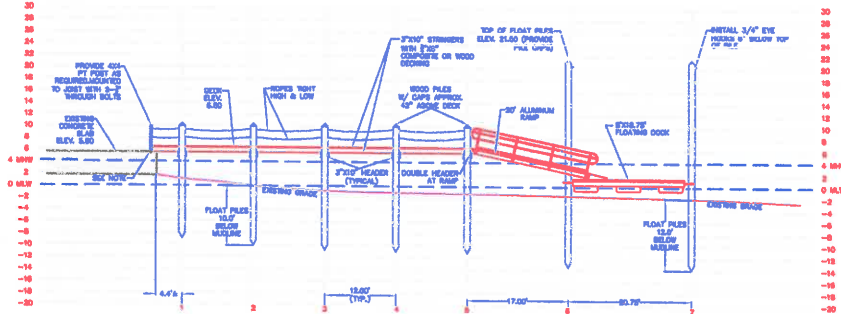
SPLICE BLOCK DETAIL
NOT TO SCALE



STRINGER/HEADER CONNECTION DETAIL
NOT TO SCALE



CHAIN HOOP DETAIL
SCALE 1"=4'



DOCK PROFILE
SCALE 1"=10'

OWNER INFO:
RICHARD RUA
72 VIKING DR.
PORTSMOUTH, RI 02871

SITE LOCATION:
315 RIVERSIDE ST.
PORTSMOUTH, RI 02871



DOCK PROFILE & DETAILS
RESIDENTIAL BOATING FACILITY
PLAT 15, LOT 44
315 RIVERSIDE ST.
PORTSMOUTH, RHODE ISLAND

SHEET 6 OF 6
DK-2

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SITE ENGINEERING INC.
CONS. • CIVIL • STRUCTURAL

18 STATE STREET
PORTSMOUTH, RI 02876
PHONE: (401) 288-8897

NO.	DATE	BY	CHK.	REVISIONS
1	9/23/22	RB	RB	ISSUE FOR PERMIT
2		VS	VS	REVISION
3		RB	RB	REVISION

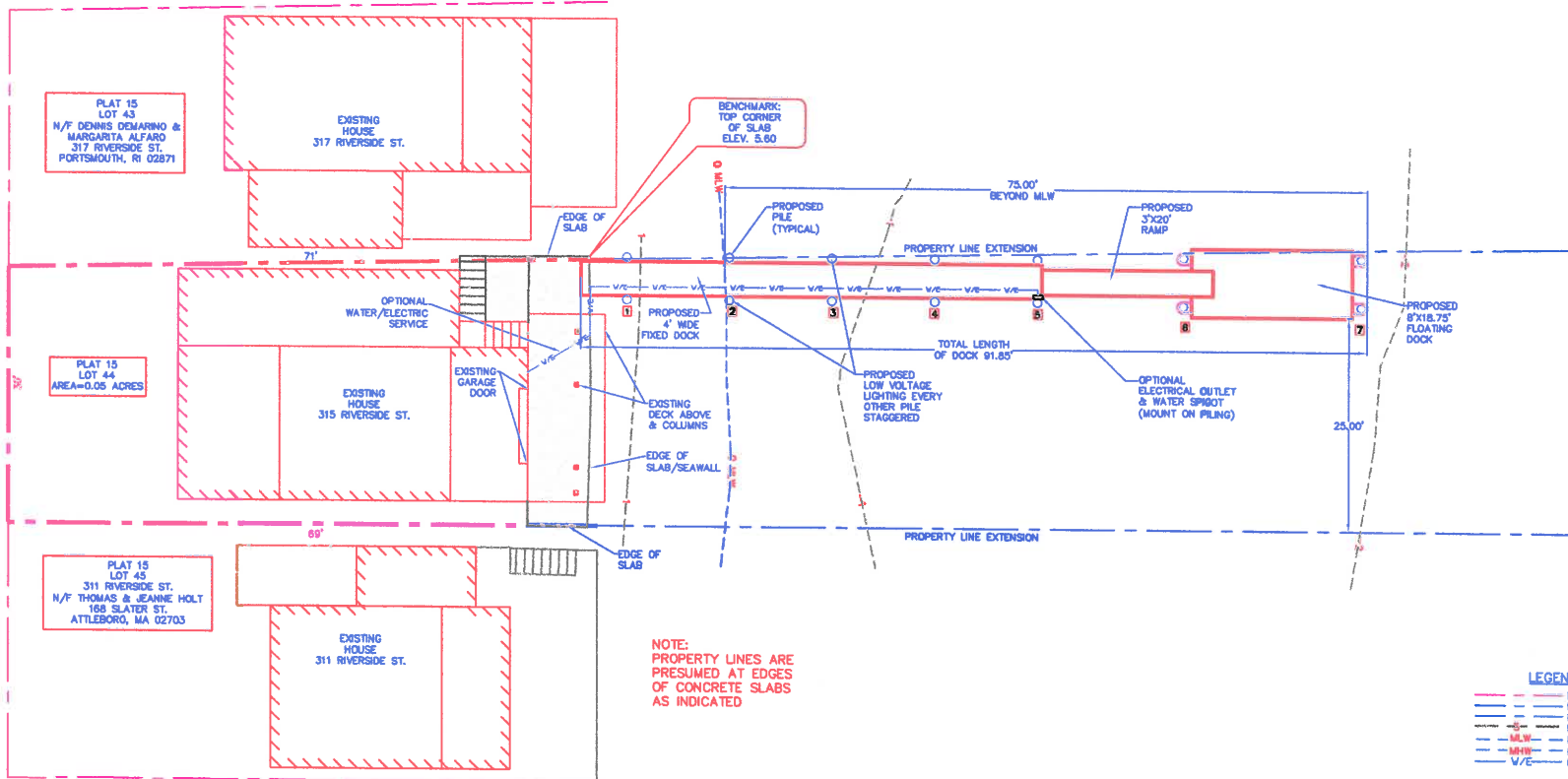
COASTAL RESOURCES
MANAGEMENT, INC.

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RIVERSIDE ST.

ISLAND PARK COVE
TYPE II WALLS



NOTE:
PROPERTY LINES ARE
PRESUMED AT EDGES
OF CONCRETE SLABS
AS INDICATED

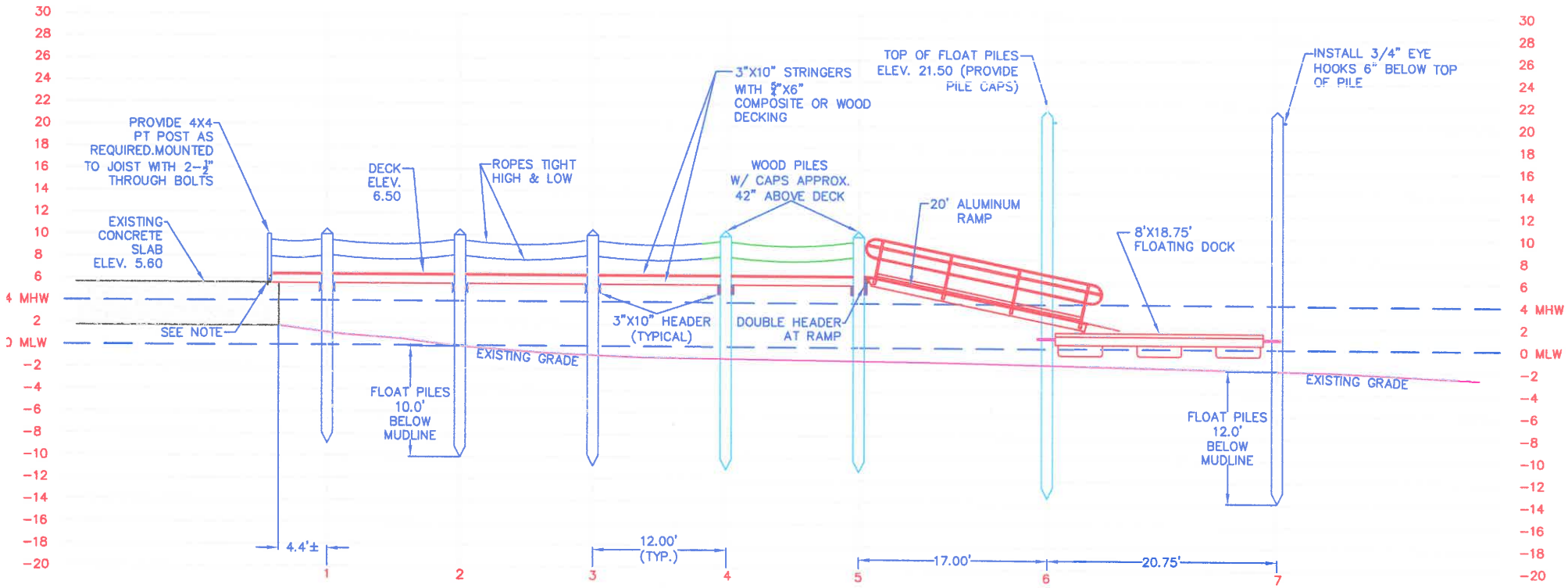
LEGEND

- PROPERTY LINE
- PROPERTY LINE EXTENSION
- PROPERTY LINE EXTENSION OFFSET
- EXISTING CONTOUR
- MLW (MEAN LOW WATER)
- MHW (MEAN HIGH WATER)
- V/E PROPOSED WATER ELECTRICAL SERVICE



REFERENCE PLANS:
-PLAN ENTITLED "PROPERTY MAP
TOWN OF PORTSMOUTH, NEWPORT COUNTY,
RHODE ISLAND"
PREPARED BY: JAMES W. SEWALL COMPANY

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SPECIAL SERVICES
MANUAL SERVICES

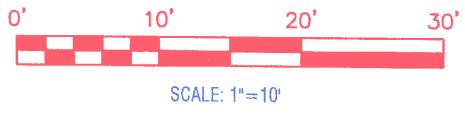


NOTE:
 INSTALL 4" x 4" x 1/4" STEEL ANGLES (GALVANIZED) TO FASTEN JOIST AT CONCRETE SEAWALL. FASTEN INTO CONCRETE W/ 2-1/2" x 4" EXPANSION BOLTS & INTO EACH JOIST W/ 2- 1/4" x 3" LAG BOLTS

NOTE:
 FLOOD ZONE IS VE (EL 17) MSL.
 HEIGHT OF FLOAT PILES=17+2'(MLW TO MSL)+1.5'(FREEBOARD)+1'=21.50

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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