

## 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:	2021-07-035	Date:	October 7, 2021	
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This office has under consideration the application of:

Rockledge, LLC P O Box 27 Bristol, RI 02809

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

a residential boating facility consisting of a 4' x 138' fixed timber pier, a 4' x 28' ramp and a 10' x 15' float. Also install two tie-off piles. The facility will extend 110' seaward of Mean Low Water (MLW) requiring a 60' variance to the 50' standard from MLW (Reference RICRMP § 3.1.D.11.I(2)). A variance of 37' to the 50' setback to adjacent mooring field is required, since the facility is located within 13' of the mooring field. (Reference RICRMP §1.3.1.D.11.m). A variance to RICRMP § 1.3.1.D.11.r "Geologic site conditions shall exist which are appropriate for driven pile structural support." Since bedrock was found to be at depth of approximately 5' below mudline the piles cannot be driven and will have to be socketed and holes will be backfilled with pea stone.

Project Location:	Hope Street	
City/Town:	Bristol	
Plat/Lot:	21/32	
Waterway:	Walker Cove, Bristol Harbor	

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 November 7, 2021.

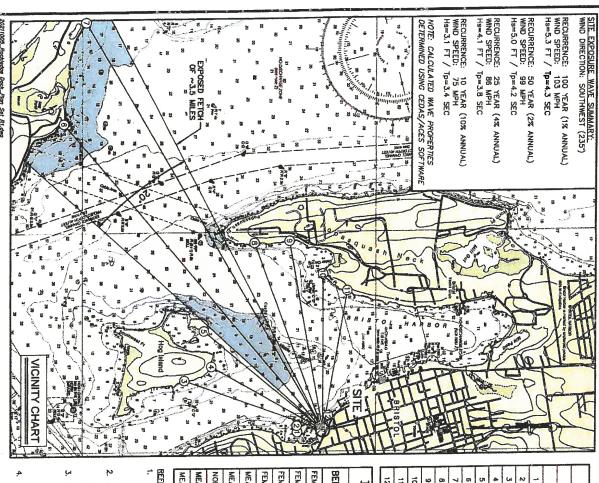


	TABLE 1:	SITE EXPOSURE	URE
	ANGLE	FETCH	오
		FEET	MILES
	180	650	0.1
2	190	650	0.1
3	200	6075	1.2
4	210	5300	1.0
5	220	6400	1.2
on.	230	16575	3.1
7	240	19500	3.7
8	250	8250	1.6
9	260	7950	1.5
10	270	6450	1.2
11	280	5850	1.1
12	290	650	0.1

TABLE 2: TIDAL AND STORM SURGE BENCHMARKS IN FEET	CHMARKS IN
BENCHMARK	ELEVATION (MLWD)
FEMA BASE FLOOD ELEVATION (BFE)	+17.1
FEMA 1% RECURRENCE (100YR) SWL	+13.1
FEMA 2% RECURRENCE (50YR): SWL	+11.2
FEMA 10% RECURRENCE (10YR) SWL	+8.3
MEAN HIGHER HIGH WATER (MHHW)	+4.3
MEAN HIGH WATER (WHW)	+4.0
NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)	+2.1
MEAN LOW WATER (MLW)	0.0
MEAN LOWER LOW WATER (MLLW)	-0.2

#### REFERENCES:

- NAVIGATION CHART PRESENTED HEREIN WAS OBTAINED FROM NOAA CHART #10324 FOR THE PROVIDENCE RIVER AND THE HEAD OF NARRAGANSETT BAY. SOUNDINGS INCLUDED ON THE CHART REFER TO MEAN LOWER LOW WATER (MLLW) DATUM.

  STORM SURGE STILLWATER LEVEL (SWL) ELEVATIONS WERE OBTAINED FROM TRANSECT #16 FROM THE FLOOD INSURANCE STUDY (FIS) FOR BRISTOL
- STORM SURGE STILLWATER LEVEL (SW.) ELEVATIONS WERE OBTAINED FROM TRANSECT #16 FROM THE FLOOD INSURANCE STUDY (FIS) FOR BRISTOL COUNTY, RHODE ISLAND [STUDY #44001CV000B] PREPARED BY FEMA DATED 7/7/2014. SW. ELEVATIONS DO NOT INCLUDE WAVE ACTION.

  BASE FLOOD ELEVATION, INCLUDING STORM SURGE AND ASSOCIATED WAVE ACTION, WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) #44001C0014H FOR BRISTOL COUNTY, RHODE ISLAND PREPARED BY FEMA DATED 7/7/2014. THE ELEVATION OF THE BASE FLOOD ELEVATION WAS CONVERTED FROM NAVDBB TO MLW.
- TIDAL ELEVATIONS WERE OBTAINED FROM NOAA VDATUM ONLINE TOOL USING LAT/LONG COORDINATES IN THE VICINITY OF THE PROJECT AREA



HARBOR ENGINEERING, LLC

26 BOSWORTH STREET BARRINGTON, RI 02806 (401) 829-4870 harboreng.com

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GRAPHIC SCALE

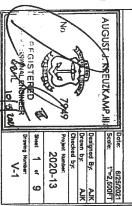
ROCKLEDGE, LLC

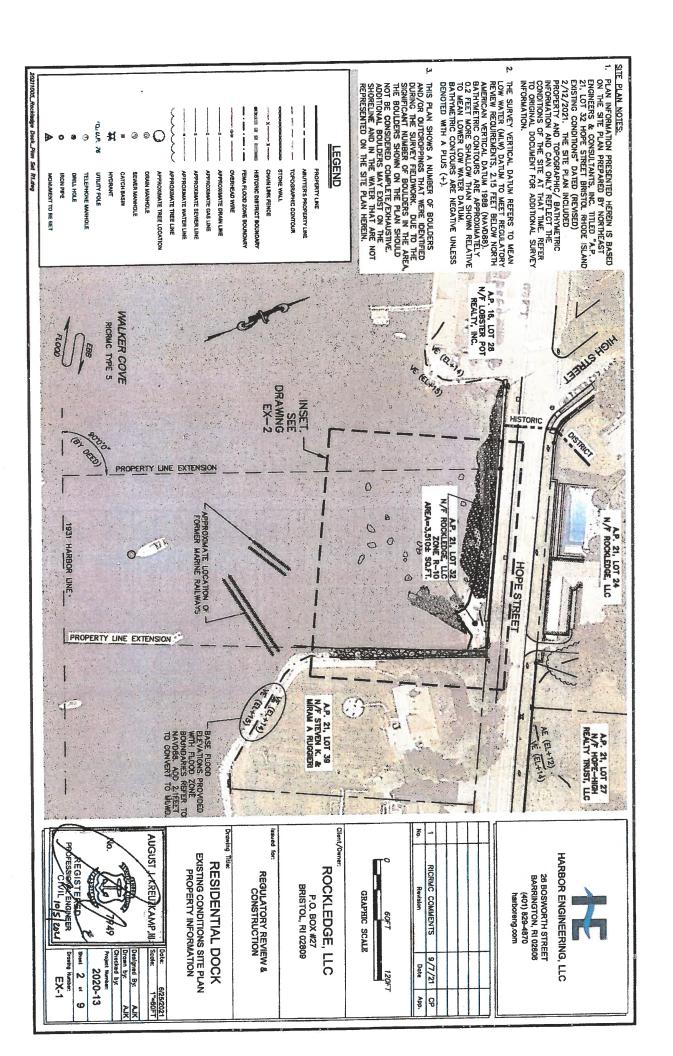
BRISTOL, RI 02809

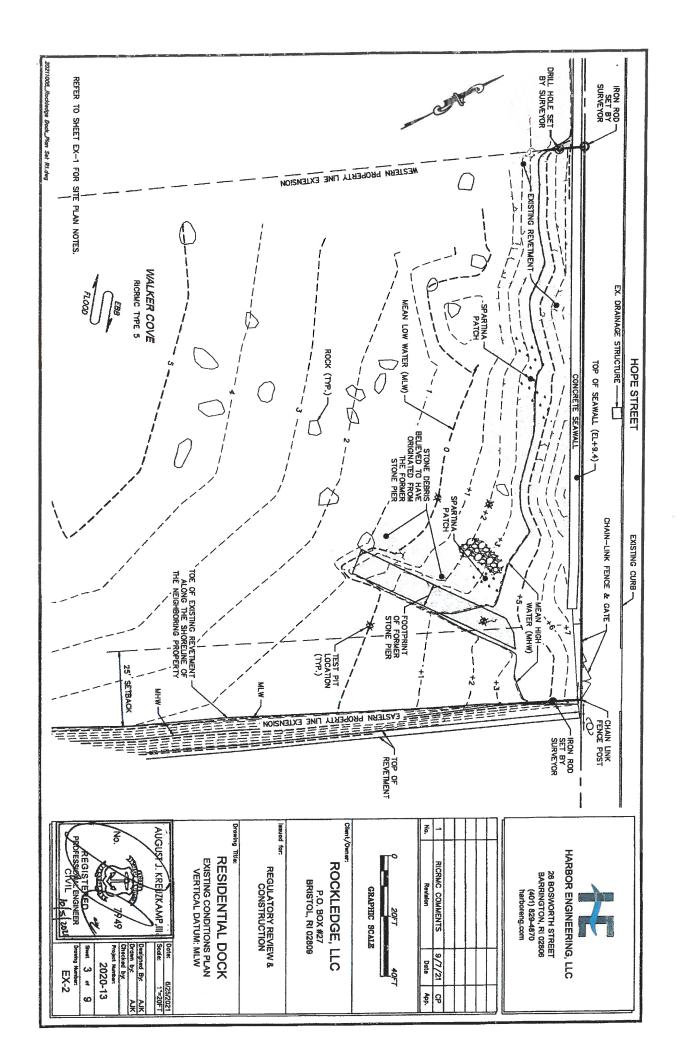
REGULATORY REVIEW & CONSTRUCTION

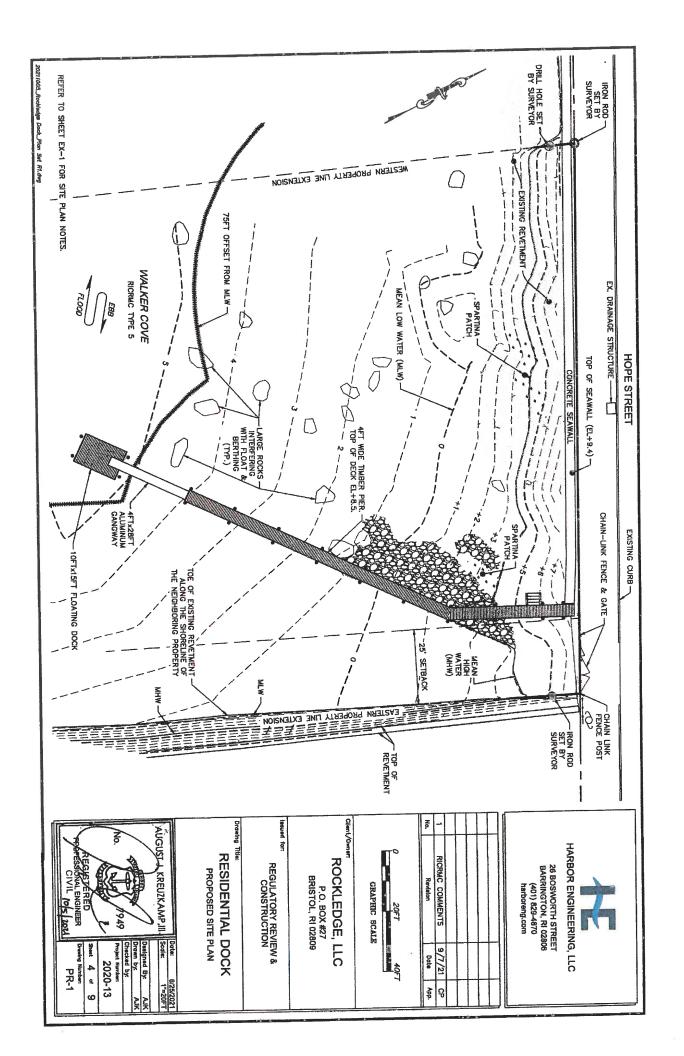
RESIDENTIAL DOCK

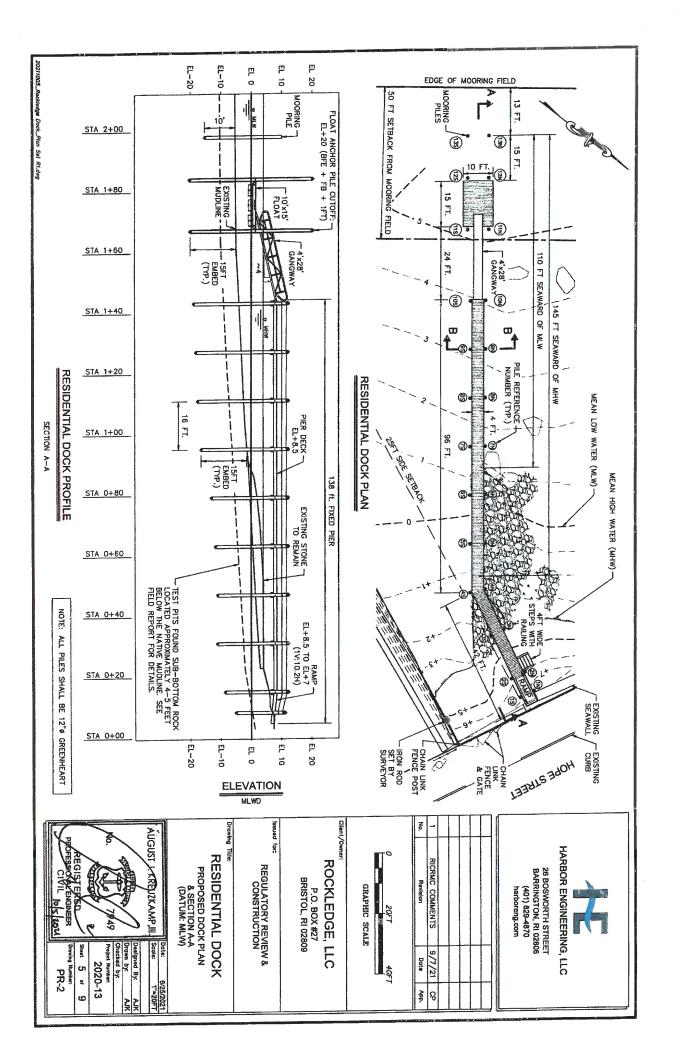
VICINITY CHART &
SITE EXPOSURE INFORMATION
FETCHES, TIDES & COASTAL FLOODING

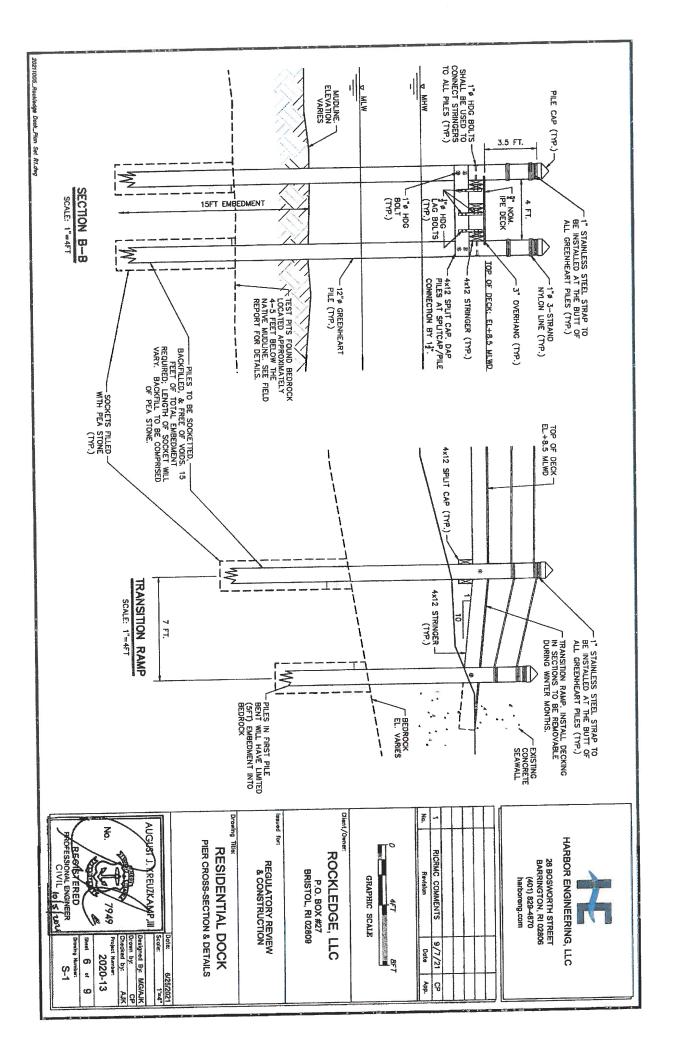


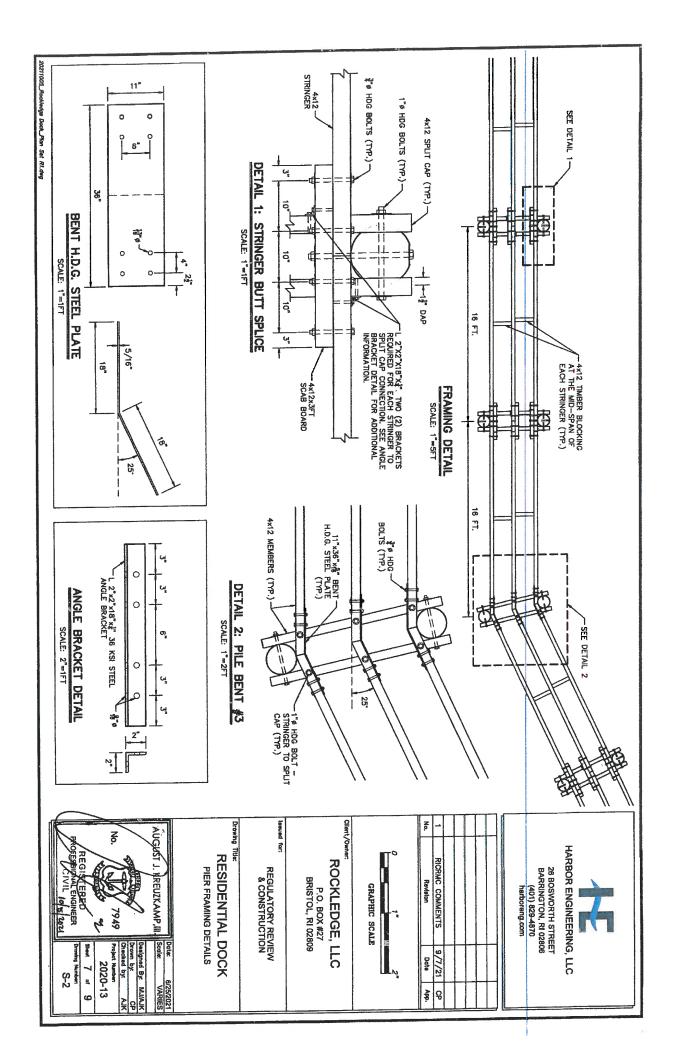


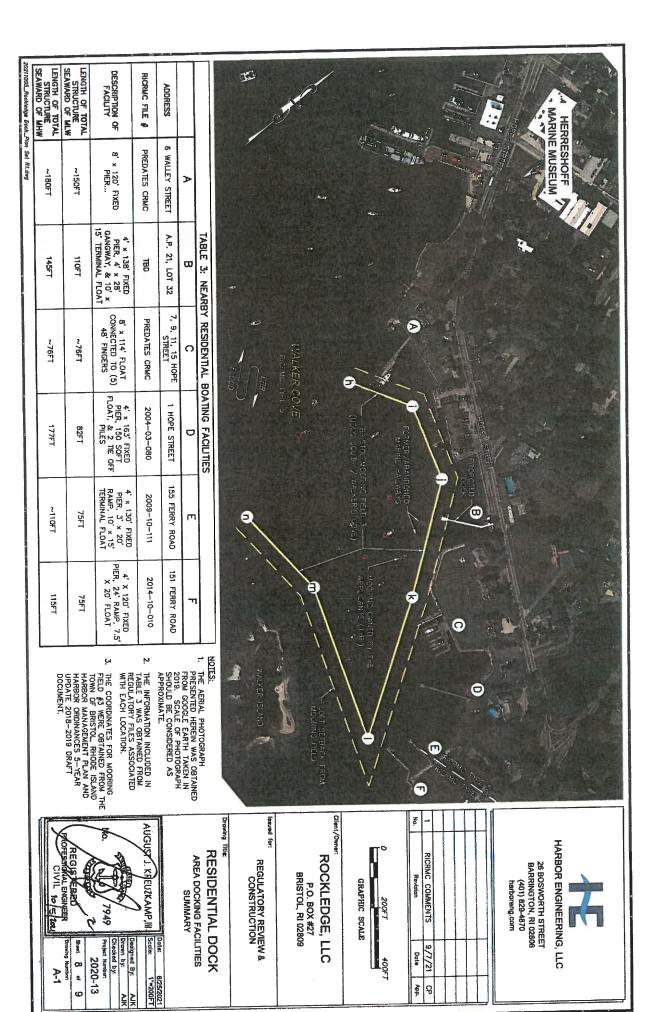












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# GENERAL CONSTRUCTION NOTES:

- ALL WORK SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS AS SHOWN THESE PLANS AND SPECIFICATIONS. Z
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE CONDITIONS SHOWN HEREIN AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS AND/OR SITE CONDITIONS PRIOR TO THE FABRICATION AND/OR ORDERING OF ANY CONSTRUCTION MATERIALS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING ALL ELEMENTS OF THE PROJECT IN CONFORMANCE WITH THESE PLANS AND SCHERCHICALS. IN STREAMS AND SHALL SUBMIT MODIFICATIONS ARE REQUIRED IN ANY ELEMENT. THE CONTRACTOR SHALL SUBMIT PROPOSED CHANGES IN WRITING TO THE ENGINEER FOR REVIEW.
- 4 ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.

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- Ċ IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SURVEY SUPPORT NEEDED TO COMPLETE THE WORK, INCLUDING STAKEOUT, TO ENSURE THE WORK IS COMPLETED CONSISTENT WITH PROJECT PLANS AND ASSOCIATED REGULATORY APPROVALS. ALL WORK SHALL COMPLY WITH FEDERAL LAWS, STATE REGULATIONS, AND LOCAL LAWS AND STATUTES AND THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK.
- 7 ALL MATERIAL STORAGE SHALL BE DONE VIA BARGE
- DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.

#### PILE DRIVING:

- THE CONTRACTOR SHALL USE EQUIPMENT ADEQUATE IN SIZE, CAPACITY, AND NUMBERS, AND MAINTAINED TO THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS TO ACCOMPLISH THE WORK.
- THE CONTRACTOR SHALL KEEP AN ACCURATE SET OF PILE INSTALLATION/DRIVING LOSS ALL PILES BEING INSTALLED SHALL BE CLEARLY MARKED IN 1 FOOT INCREMENTS PRIOR TO INSTALLATION TO SUPPORT MONITORING/RECORDING EFFORTS. ALL LOGS SHALL BE CERTIFIED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER PRIOR TO PAYMENT. PILE LOGS SHALL INCLUDE: PILE ID, LOCATION, DEPTH TO MUDLINE (INCLUDING DATE & TIME RECORDED) AND TOTAL EMBEDMENT.

#### PILE CAPS:

- 1. PILE CAPS SHALL BE WHITE, ROUND CONE, LOW DENSITY POLYETHYLENE CAPS.
- PILE CAPS SHALL BE SIZED APPROPRIATELY TO ACCOMMODATE THE UNIQUE SIZE OF EACH PILE BUTT.
- PILE CAPS SHALL BE ATTACHED USING FOUR (4) STAINLESS STEEL

### TIMBER NOTES:

- DESIGN LIVE LOAD FOR FIXED PIER: 40PSF UNIFORM DISTRIBUTED LOAD
- DECKING ON PIER AND FLOATING DOCK SHALL BE  $\S^\sigma$  Nom. IPE DECKING SHALL BE FASTENED TO STRINGERS USING USING 2.5" LONG X  $\S^\sigma$  STAINLESS STEEL TORX SCREWS. THE END GRAIN OF ALL DECK BOARDS SHALL BE TREATED WITH A PARAFFIN

WAX SEALER TO PREVENT FUTURE CHECKING

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- PIER & FLOAT ANCHOR PILES SHALL BE 12" GREENHEART WITH 15FT EMBEDMENT INTO COMPETENT MATERIAL. GREENHEART PILES SHALL BE BANDED USING ONE 1" STAINLESS STEEL BAND AT EACH PILE BUTT TO PREVENT FUTURE BROOMING.
- UNLESS NOTED OTHERWISE, ALL TIMBER MATERIAL (INCLUDING STRINGERS, SPLIT CAPS AND OTHER FRAMING) SHALL BE SOLID SAWN LUMBER (S45) SOUTHERN YELLOW PINE (SYP) GRADE NO. 2 OR BETTER IN ACCORDANCE WITH ETHER THE SOUTHERN PINE INSPECTION BUREAU OR THE TIMBER PRODUCTS INSPECTION BUREAU GRADING RULES.
- ÇT ALL TIMBER FRAMING USED IN THE PROJECT SHALL BE STRAIGHT IN BOTH LONGITUDINAL PLANES WITH NO OR MINMAL TWIST. MIBBER SHALL BE INSPECTED FOR CROWN PRIOR TO INSTALLATION BY THE CONTRACTOR AND INSTALLED CROWN UP WHERE A SLIGHT CROWN EXISTS. JOINTS SHALL BE SAW CUT AND ACCURATELY AND TIGHTLY FITTED. THE ENGINEER RESERVES THE RIGHT TO REJECT TIMBER MEMBERS AND FINISH CONSTRUCTION OF TIMES ASSEMBLES WHERE IN THE OPINION OF THE STRUCTURE WOULD BE COMPROMISED DUE TO THE FAULTY TIMBER, JOINTING, AND OR CONSTRUCTION PRACTICES.
- Ø UNLESS NOTED OTHERWISE, SYP TIMBER MATERIALS SHALL BE TREATED WITH CCA RETENTIONS:
- SYP TIMBER FRAMING: SYP TIMBER PILES: 0.6 LBS PER CUBIC FOOT). 2.5 LBS PER CUBIC FOOT
- BRUSH APPLY TWO (2) COATS OF WOOD PRESERVATIVE TO SURFACE OF PRESERVATIVE TREATED MATERIALS WHICH HAVE BEEN FIELD CUT, DRESSED OR DRILLED.

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- SPLICING OF STRINGERS SHOULD OCCUR EXCLUSIVELY OVER THE CENTER OF A PILE BENT (OVER THE SPLIT CAP) WITH A 3FT BUTT SPLICE. EACH SPLICE SHALL INCLUDE A 3FT LONG 3X10 SCAB AND 18-INCH OVERLAP WITH THE BUTTING STRINGERS.
- TIMBER BLOCKING IS REQUIRED BETWEEN ALL STRINGERS AT MID-SPAN USING 3X12 TIMBERS AND  $\frac{1}{2}\%$  HDG LAG BOLTS.

#### HARDWARE:

- ALL BOLTS SHALL BE ASTM A307 OR BETTER SIZED NO LESS THAN 1 %, UNLESS NOTED OTHERWISE, ACCOMPANIED BY APPROPRIATELY SIZED NUTS AND WASHERS.
- ALL HARDWARE INCLUDING NAILS, SCREWS, BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED (HDG) STEEL, UNLESS NOTED OTHERWISE.
- COUNTER SINK AREAS WHERE HARDWARE INTERFERES WITH CONSTRUCTION OR VESSEL BERTHING AREAS.

## FLOATING DOCK:

- FLOATING DOCKS SHALL BE CONSTRUCTED USING CCA TREATED TIMBER FRAMING, ENCAPSULATED PERMAFLOAT FLOATATION OR APPROVED EQUAL TUBS AND CCA SYP TIMBER DECKING.
- 'n FLOAT FRAMING SHALL BE CONSTRUCTED SUCH THAT IT CAN ADEQUATELY MANAGE BEING LIFTED USING CHAINS CONNECTED TO THE BUTTS OF THE FLOAT ANCHOR PILES EACH WINTER FOR SEASONAL STORAGE.
- CONTRACTOR TO INSTALL A TOTAL OF FOUR (4) HOT-DIPPED GALVANIZED STEEL CLEATS ON THE FLOATING DOCK ATTACHED TO THE FRAMING OF THE FLOATING DOCK USING THROUGH BOLTS. CLEATS SHALL BE NO LESS THAN 10 INCHES IN LENGTH.
- DOCK FENDER SHALL BE EXTRUDED, NON-MARRING, MARINE GRADE VINYL, CONSISTENT SHADE OF GRAY IN COLOR INCLUDING BUMPER STRIP ALONG THE TWO (2) BERTHING SIDES OF THE FLOAT AND FOUR (4) CORNER BUMPERS.
- MODIFY FLOAT ANCHOR PILE GUIDES TO INCLUDE 1—INCH THICK UHMW PAD ATTACHED TO FACE OF DOCK/GUIDE IN ADDITION TO STANDARD GUIDE ROLLER.
- FLOAT DESIGN CRITERIA:
- LIVE LOAD-40 PSF
- DEAD LOAD FREEBOARD=20"

RICRMC COMMENTS				HARBOR ENGINEERING, LLC 28 BOSWORTH STREET BARRINGTON, RI 02306 (407) 829-4370 harboreng.com
9/7/21				8 G, LLC
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Client/Owner: ROCKLEDGE, LLC BRISTOL, RI 02809 P.O. BOX #27 Date App.

issued for: REGULATORY REVIEW & CONSTRUCTION

RESIDENTIAL DOCK PROJECT NOTES

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