



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: 2021-01-034 Date: April 8, 2021

This office has under consideration the application of:

Scott Hartz & Linda Gifford Degeus  
27 Harbour Terrace  
Cranston, RI 02905

for a State of Rhode Island Assent to construct and maintain: A residential boating facility consisting of a 4' x 102' fixed pier, a 3' x 30' gangway and a 10' x 15' float. The pier will extend 116' seaward of mean low water (requiring a variance of 66' to the required 50' standard RICRMP 1.3.1.D.11.1).

Project Location:	27 Harbour Terrace
City/Town:	Cranston
Plat/Lot:	2 / 3896
Waterway:	Providence River

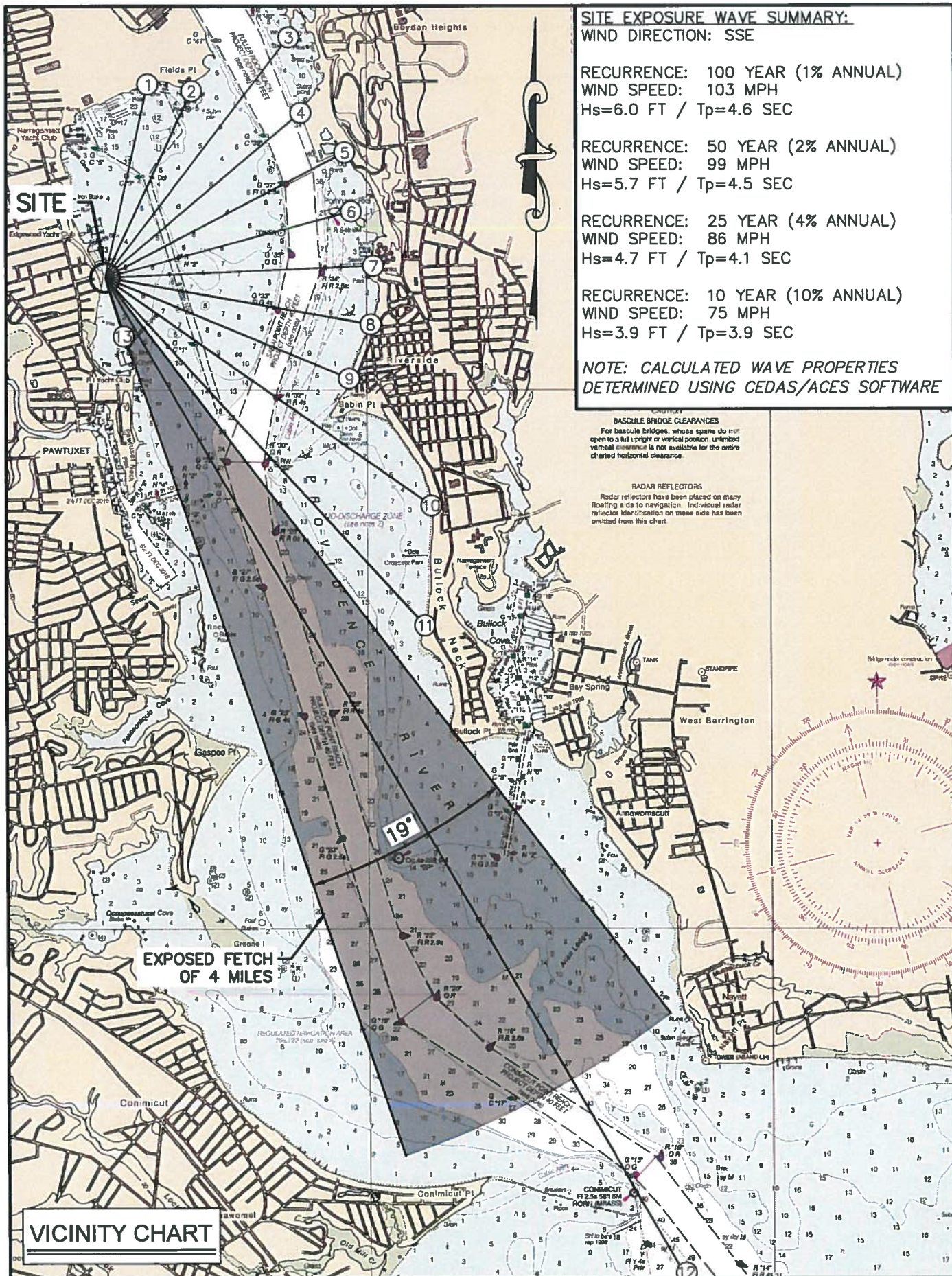
Plans of the proposed work may be seen at the CRMC office in Wakefield.

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 May 8, 2021.





20210111\_Hartz Dock\_Plan Set.dwg

#### SITE EXPOSURE WAVE SUMMARY:

WIND DIRECTION: SSE

RECURRENCE: 100 YEAR (1% ANNUAL)  
WIND SPEED: 103 MPH  
Hs=6.0 FT / Tp=4.6 SEC

RECURRENCE: 50 YEAR (2% ANNUAL)  
WIND SPEED: 99 MPH  
Hs=5.7 FT / Tp=4.5 SEC

RECURRENCE: 25 YEAR (4% ANNUAL)  
WIND SPEED: 86 MPH  
Hs=4.7 FT / Tp=4.1 SEC

RECURRENCE: 10 YEAR (10% ANNUAL)  
WIND SPEED: 75 MPH  
Hs=3.9 FT / Tp=3.9 SEC

NOTE: CALCULATED WAVE PROPERTIES  
DETERMINED USING CEDAS/ACES SOFTWARE

**CRITICAL**  
**BASELINE BRIDGE CLEARANCES**  
For bascule bridges, whose spans do not  
open to a full upright or vertical position, unlimited  
vertical clearance is not available for the entire  
clearance.

**RADAR REFLECTORS**  
Radar reflectors have been placed on many  
floating aids to navigation. Individual radar  
reflector identification on these aids has been  
omitted from this chart.

TABLE 1: SITE EXPOSURE			
	ANGLE	FETCH	
		FEET	MILES
1	12	4498	0.9
2	25	4679	0.9
3	38	6888	1.3
4	50	5826	1.1
5	63	6155	1.2
6	75	5805	1.1
7	88	6114	1.2
8	100	6142	1.2
9	113	6011	1.1
10	125	9065	1.7
11	138	10755	2.0
12	150	45817	8.7
13	163	1659	0.3

TABLE 2: TIDAL AND STORM SURGE BENCHMARKS IN FEET	
BENCHMARK	ELEVATION (MLWD)
FEMA BASE FLOOD ELEVATION (BFE)	+16.3
FEMA 1% RECURRENCE (100YR) SWL	+14.2
FEMA 2% RECURRENCE (50YR) SWL	+12.2
FEMA 10% RECURRENCE (10YR) SWL	+9.2
MEAN HIGHER HIGH WATER (MHHW)	+4.6
MEAN HIGH WATER (MHW)	+4.3
NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)	+2.3
MEAN LOW WATER (MLW)	0.0
MEAN LOWER LOW WATER (MLLW)	-0.2

#### REFERENCES:

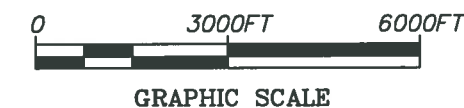
- NAVIGATION CHART PRESENTED HEREIN WAS OBTAINED FROM NOAA CHART #13224 FOR THE PROVIDENCE RIVER AND THE HEAD OF NARRAGANSETT BAY. SOUNDINGS INCLUDED ON THE CHART REFER TO MEAN LOWER LOW WATER (MLLW) DATUM.
- STORM SURGE STILLWATER LEVEL (SWL) ELEVATIONS WERE OBTAINED FROM TRANSECT #2 FROM THE FLOOD INSURANCE STUDY (FIS) FOR PROVIDENCE COUNTY, RHODE ISLAND [STUDY #44007CV001C] PREPARED BY FEMA DATED 10/2/2015. SWL 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) #44007C0319J FOR PROVIDENCE COUNTY, RHODE ISLAND PREPARED BY FEMA DATED 10/2/2015. THE ELEVATION OF THE BASE FLOOD ELEVATION WAS CONVERTED FROM NAVD88 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  
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No.	Revision	Date	App.



Client/Owner:

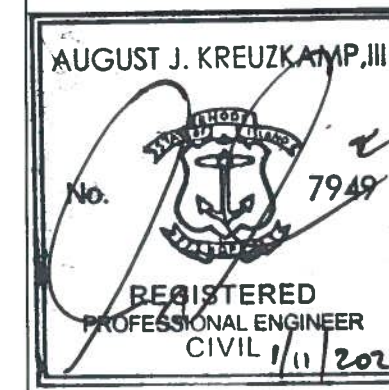
**SCOTT HARTZ**  
27 HARBOUR TERRACE  
CRANSTON, RI

Issued for:

**REGULATORY REVIEW &  
CONSTRUCTION**

Drawing Title:

**HARTZ RESIDENTIAL DOCK**  
VICINITY CHART &  
SITE EXPOSURE INFORMATION  
FETCHES, TIDES & COASTAL FLOODING

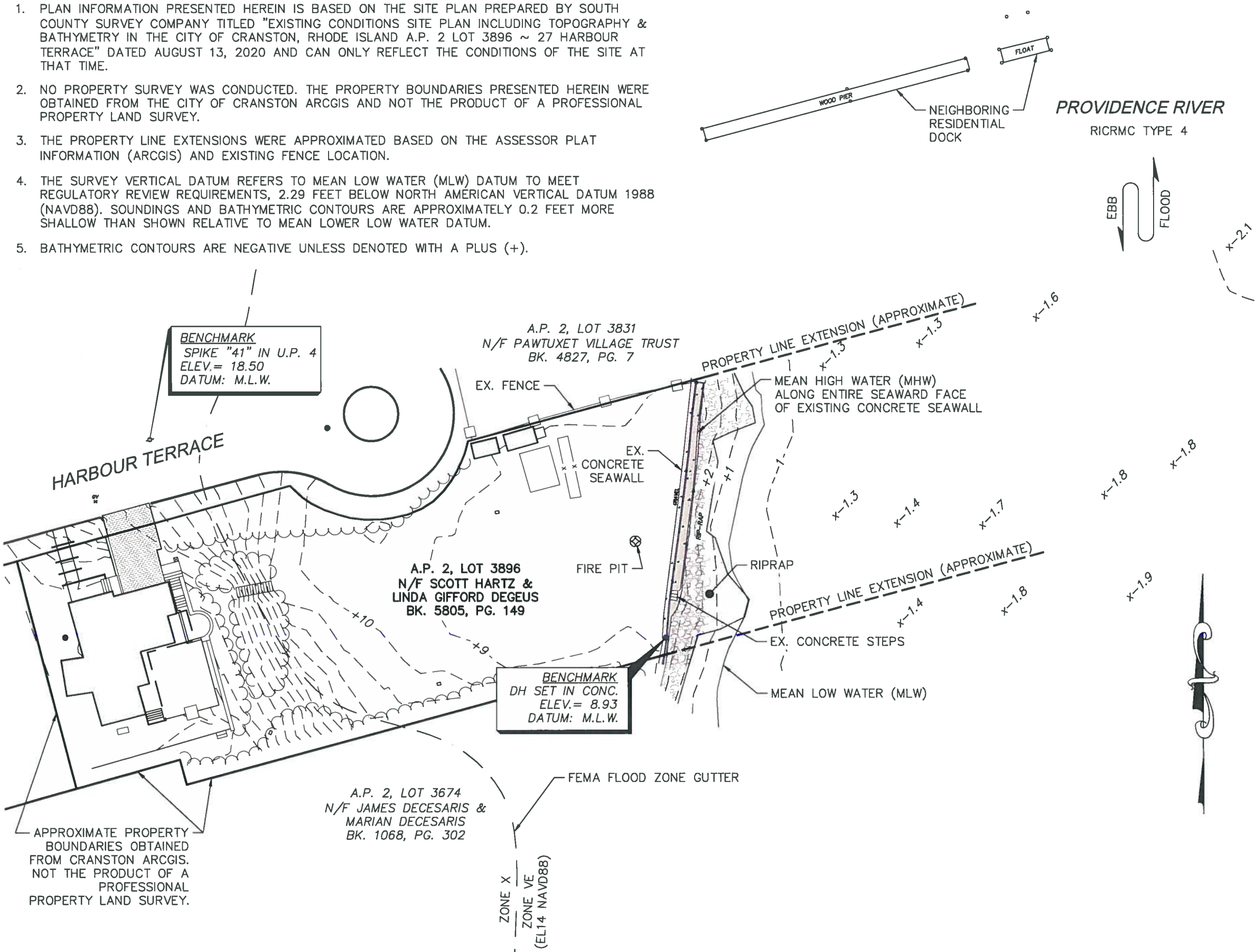


Date: 1/11/2021  
Scale: 1"=3,000FT  
Designed By: AJK/MNG  
Drawn by: AJK  
Checked by: MNG  
Project Number: 2020-03  
Sheet 1 of 7  
Drawing Number: V-1



SITE PLAN NOTES:

1. PLAN INFORMATION PRESENTED HEREIN IS BASED ON THE SITE PLAN PREPARED BY SOUTH COUNTY SURVEY COMPANY TITLED "EXISTING CONDITIONS SITE PLAN INCLUDING TOPOGRAPHY & BATHYMETRY IN THE CITY OF CRANSTON, RHODE ISLAND A.P. 2 LOT 3896 ~ 27 HARBOUR TERRACE" DATED AUGUST 13, 2020 AND CAN ONLY REFLECT THE CONDITIONS OF THE SITE AT THAT TIME.
2. NO PROPERTY SURVEY WAS CONDUCTED. THE PROPERTY BOUNDARIES PRESENTED HEREIN WERE OBTAINED FROM THE CITY OF CRANSTON ARCGIS AND NOT THE PRODUCT OF A PROFESSIONAL PROPERTY LAND SURVEY.
3. THE PROPERTY LINE EXTENSIONS WERE APPROXIMATED BASED ON THE ASSESSOR PLAT INFORMATION (ARCGIS) AND EXISTING FENCE LOCATION.
4. THE SURVEY VERTICAL DATUM REFERS TO MEAN LOW WATER (MLW) DATUM TO MEET REGULATORY REVIEW REQUIREMENTS, 2.29 FEET BELOW NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88). SOUNDINGS AND BATHYMETRIC CONTOURS ARE APPROXIMATELY 0.2 FEET MORE SHALLOW THAN SHOWN RELATIVE TO MEAN LOWER LOW WATER DATUM.
5. BATHYMETRIC CONTOURS ARE NEGATIVE UNLESS DENOTED WITH A PLUS (+).



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27 HARBOUR TERRACE  
CRANSTON, RI

Issued for:  
**REGULATORY REVIEW & CONSTRUCTION**

Drawing Title:  
**HARTZ RESIDENTIAL DOCK**  
EXISTING CONDITIONS  
SITE PLAN  
VERTICAL DATUM: MLW

**AUGUST J. KREUZKAMP, III.**  
No. 7949  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 11/2020

Date:	1/11/2021
Scale:	1"=40FT
Designed By:	AJK/MNG
Drawn by:	AJK
Checked by:	MNG
Project Number:	2020-03
Sheet	2 of 7
Drawing Number:	EX-1

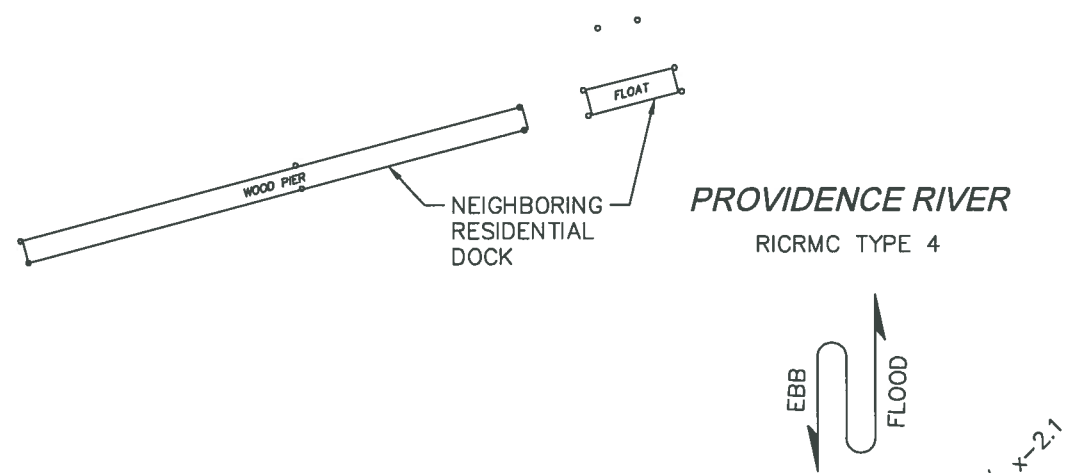
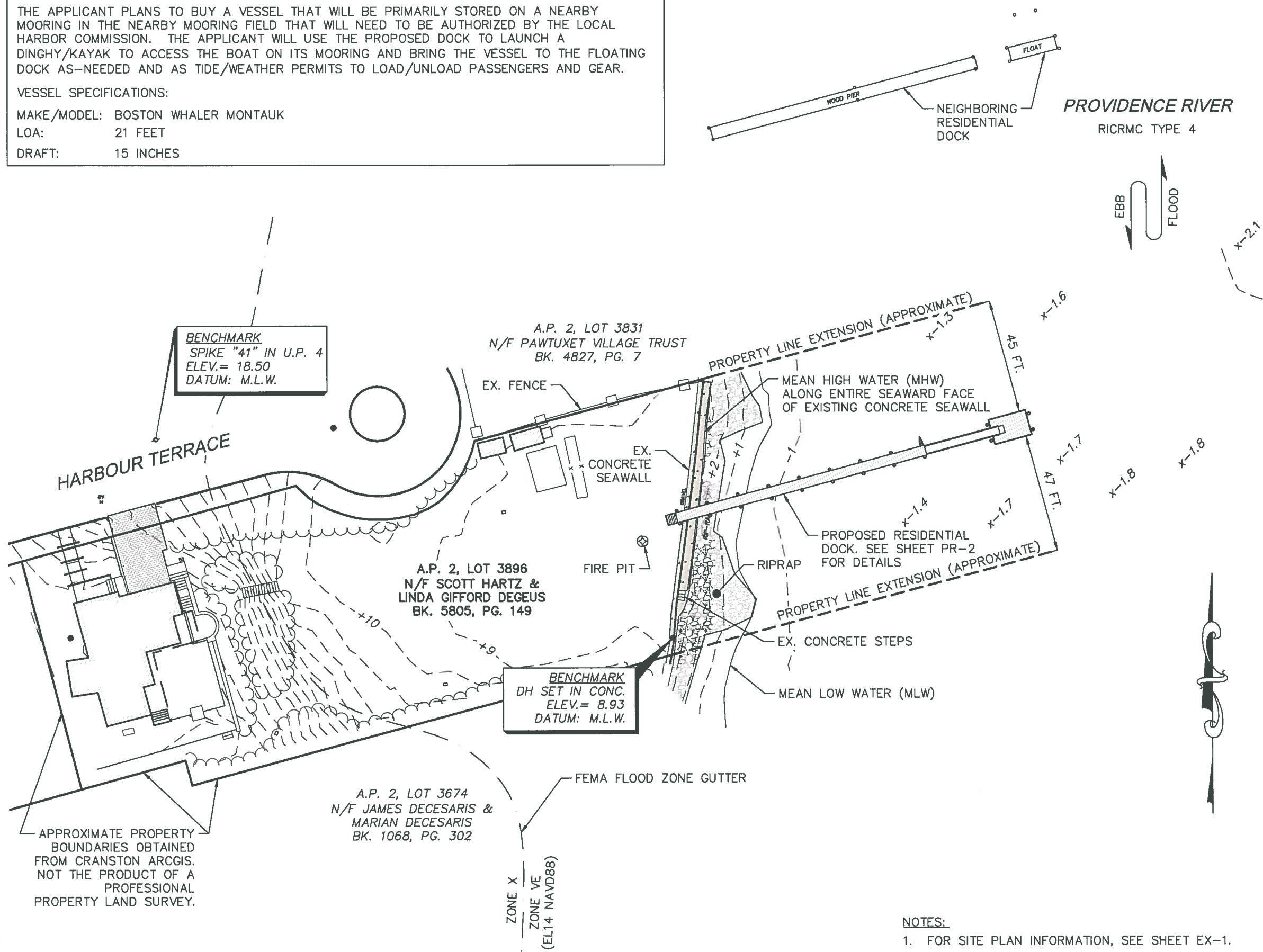
RECEIVED  
By Brittany at 3:29 pm, Jan 13, 2021

**VESSEL INFORMATION:**

THE APPLICANT PLANS TO BUY A VESSEL THAT WILL BE PRIMARILY STORED ON A NEARBY MOORING IN THE NEARBY MOORING FIELD THAT WILL NEED TO BE AUTHORIZED BY THE LOCAL HARBOR COMMISSION. THE APPLICANT WILL USE THE PROPOSED DOCK TO LAUNCH A DINGHY/KAYAK TO ACCESS THE BOAT ON ITS MOORING AND BRING THE VESSEL TO THE FLOATING DOCK AS-NEEDED AND AS TIDE/WEATHER PERMITS TO LOAD/UNLOAD PASSENGERS AND GEAR.

**VESSEL SPECIFICATIONS:**

MAKE/MODEL: BOSTON WHALER MONTAUK  
LOA: 21 FEET  
DRAFT: 15 INCHES



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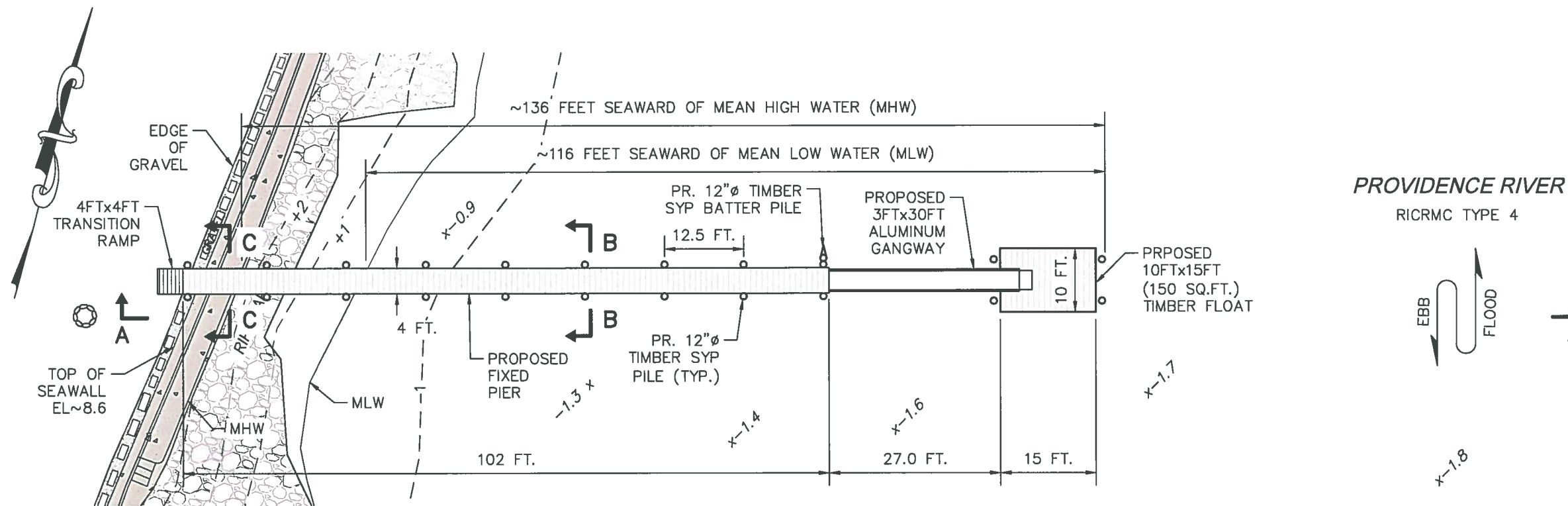
Drawing Title:  
**HARTZ RESIDENTIAL DOCK**  
PROPOSED CONDITIONS  
SITE PLAN  
VERTICAL DATUM: MLW

**AUGUST J. KREUZKAMP, III**  
No. 7949  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 1/11/2021

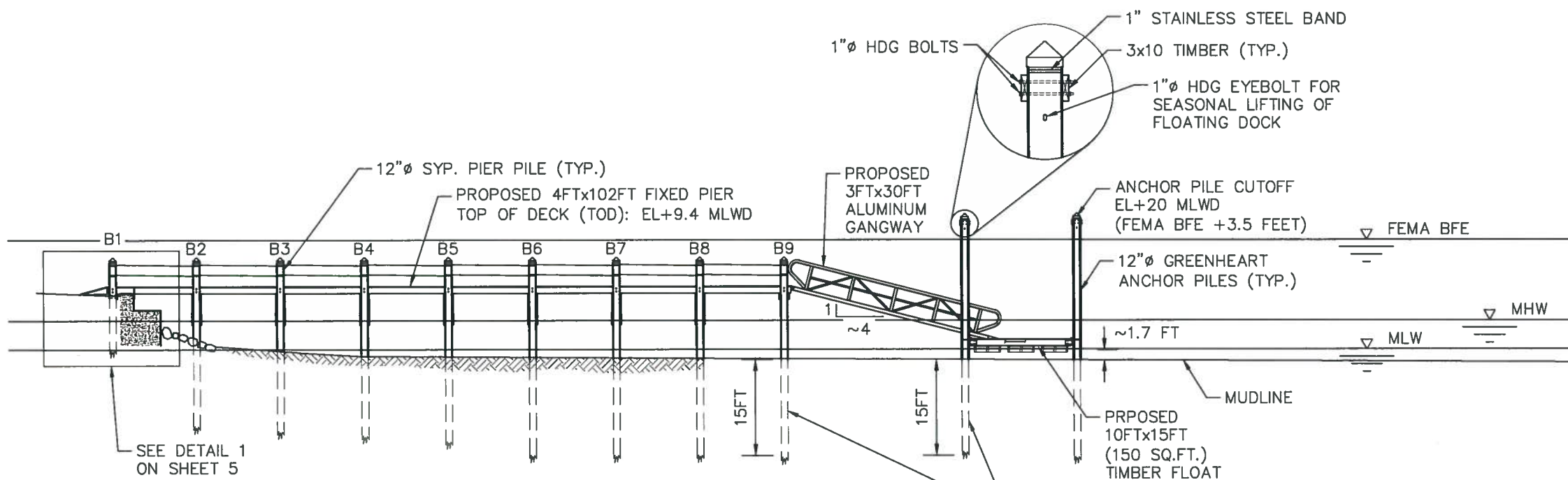
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Drawn by:	AJK
Checked by:	MNG
Project Number:	2020-03
Sheet	3 of 7
Drawing Number:	PR-1

**NOTES:**  
1. FOR SITE PLAN INFORMATION, SEE SHEET EX-1.





**RESIDENTIAL DOCK PLAN**



**SECTION A-A**  
RESIDENTIAL DOCK PROFILE

**NOTES:**

1. FOR SITE PLAN INFORMATION, SEE SHEET EX-1.



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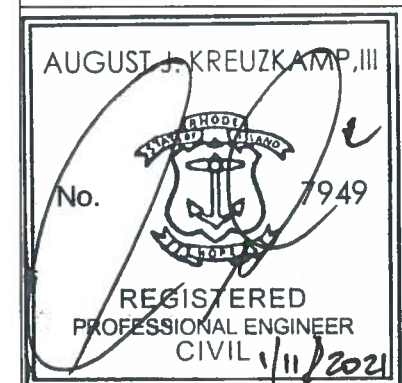
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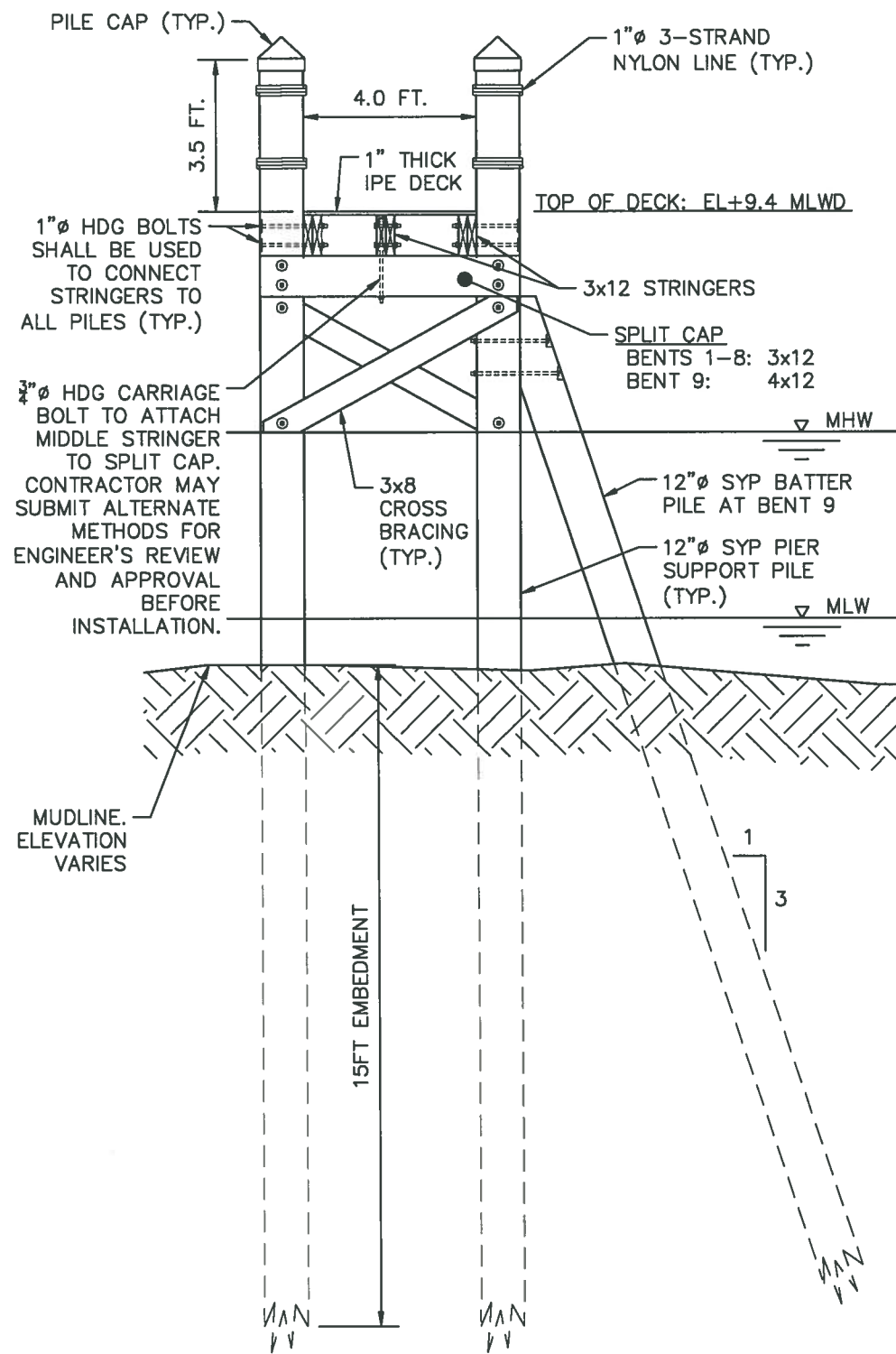
**REGULATORY REVIEW & CONSTRUCTION**

Drawing Title:

**HARTZ RESIDENTIAL DOCK**  
PROPOSED PIER PLAN  
& PROFILE  
VERTICAL DATUM: MLW

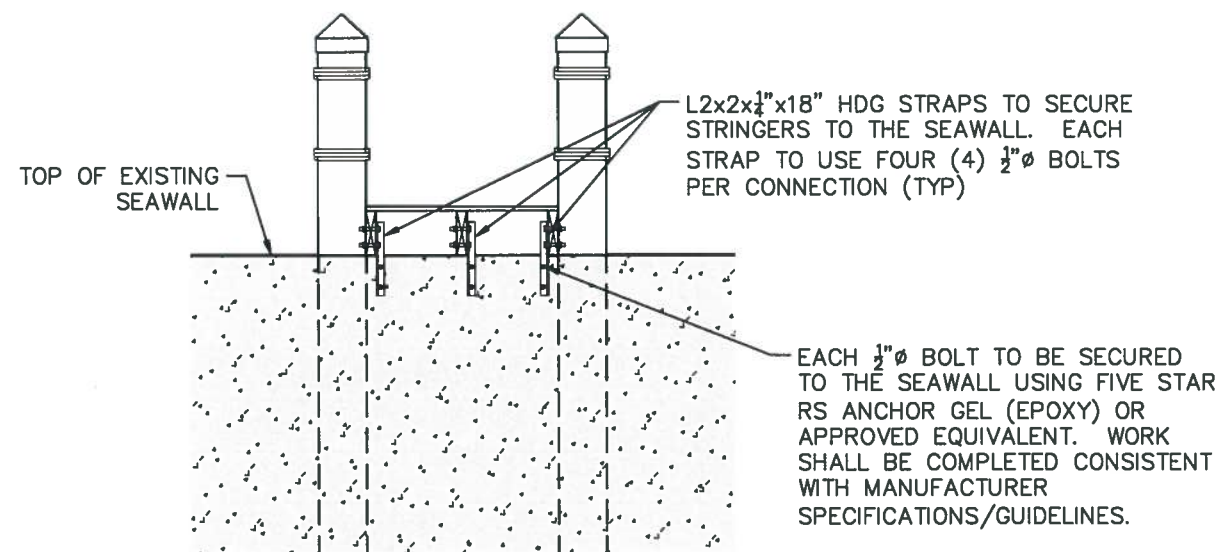


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Designed By:	AJK/MNG
Drawn by:	AJK
Checked by:	MNG
Project Number:	2020-03
Sheet	4 of 7
Drawing Number:	PR-2



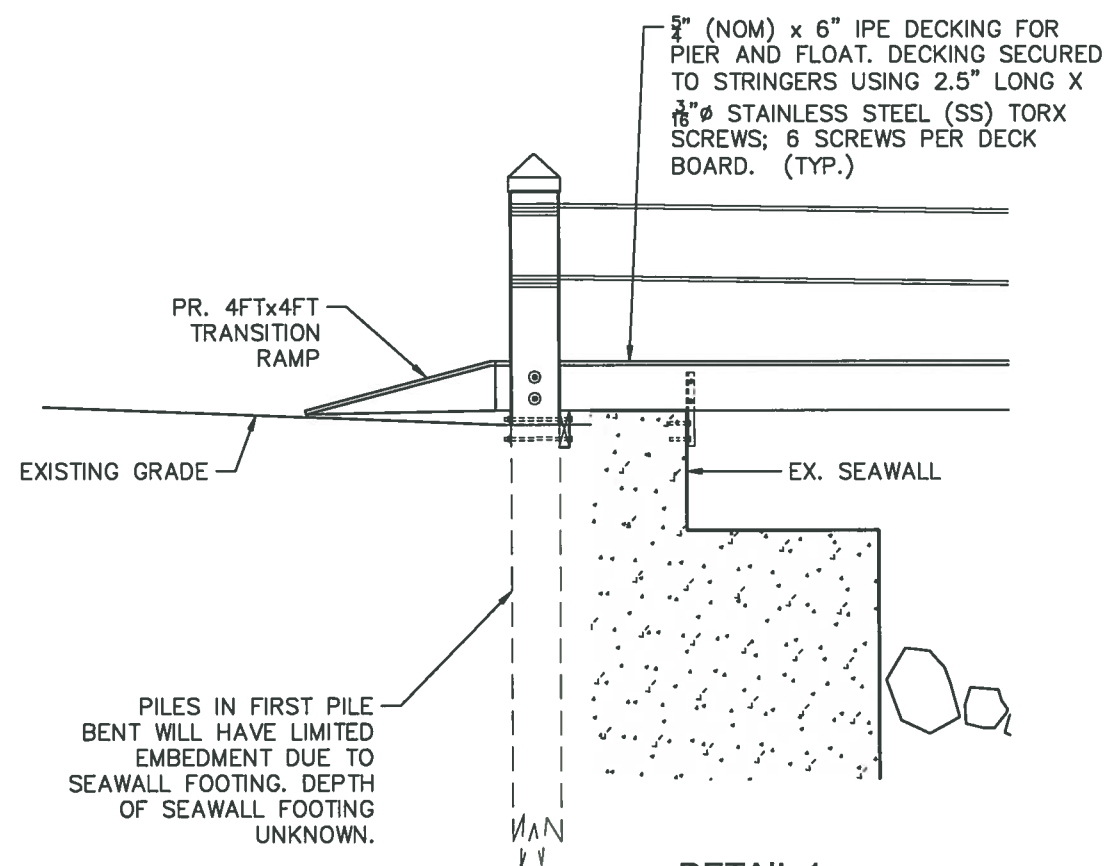
**SECTION B-B**

SCALE: 1"=4FT



**SECTION C-C**

SCALE: 1"=4FT



**DETAIL 1**

SCALE: 1"=4FT



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GRAPHIC SCALE

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27 HARBOUR TERRACE  
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**HARTZ RESIDENTIAL DOCK**  
PROPOSED PIER PLAN  
& PROFILE  
VERTICAL DATUM: MLW

	Date:	1/11/2021
	Scale:	VARIES
	Designed By:	AJK/MNG
	Drawn by:	AJK
	Checked by:	MNG
	Project Number:	2020-03
	Sheet	5 of 7
	Drawing Number:	PR-3



GENERAL NOTES:

1. DRAWING AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF HARBOR ENGINEERING, LLC. DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE AUTHORIZED BY CONTRACT WITHOUT THE SPECIFIC WRITTEN AUTHORIZATION OF HARBOR ENGINEERING, LLC. THE USE OF THIS DOCUMENT IS CONTINGENT UPON PAYMENT TO HARBOR ENGINEERING, LLC. FOR SERVICES RENDERED. NON-PAYMENT SHALL GIVE HARBOR ENGINEERING, LLC. THE AUTHORITY TO BAR DOCUMENT USE BY ANY AND ALL PARTIES.

GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS AS SHOWN IN THESE PLANS AND SPECIFICATIONS.
2. 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.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRINGING ALL ELEMENTS OF THE PROJECT IN CONFORMANCE WITH THESE PLANS AND SPECIFICATIONS. IF ANY 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.
5. 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.
6. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE OSHA CODE, THE RHODE ISLAND STATE BUILDING CODE, AND THE REFERENCED STANDARDS INCLUDED THEREIN THAT ARE APPLICABLE TO THIS PROJECT.
7. 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.
8. ALL MATERIAL STORAGE SHALL BE DONE VIA BARGE.
9. 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:

1. 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.
2. THE CONTRACTOR SHALL KEEP AN ACCURATE SET OF PILE INSTALLATION/DRIVING LOGS. 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.
2. PILE CAPS SHALL BE SIZED APPROPRIATELY TO ACCOMMODATE THE UNIQUE SIZE OF EACH PILE BUTT.
3. PILE CAPS SHALL BE ATTACHED USING FOUR (4) STAINLESS STEEL SCREWS.

TIMBER NOTES:

1. DESIGN LIVE LOAD FOR FIXED PIER: 40PSF UNIFORM DISTRIBUTED LOAD.

2. DECKING ON PIER AND FLOATING DOCK SHALL BE 1" NOM. IPE FASTENED TO STRINGERS USING STAINLESS STEEL SCREWS.
3. PIER SUPPORT PILES SHALL BE 12"Ø SOUTHERN YELLOW PINE (SYP) WITH 15FT EMBEDMENT INTO COMPETENT MATERIAL.
4. FLOAT ANCHOR PILES SHALL BE 12"Ø 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.
5. UNLESS NOTED OTHERWISE, ALL TIMBER MATERIAL (INCLUDING STRINGERS, SPLIT CAPS AND OTHER FRAMING) SHALL BE SOLID SAWN LUMBER (S4S) SOUTHERN YELLOW PINE (SYP) GRADE NO. 2 OR BETTER IN ACCORDANCE WITH EITHER THE SOUTHERN PINE INSPECTION BUREAU OR THE TIMBER PRODUCTS INSPECTION BUREAU GRADING RULES.
6. UNLESS NOTED OTHERWISE, SYP TIMBER MATERIALS SHALL BE TREATED WITH CCA PRESERVATIVE SUFFICIENT FOR MARINE CONSTRUCTION WITH THE FOLLOWING MINIMUM RETENTIONS:
  - 6.1. SYP TIMBER PILES: 2.5 LBS PER CUBIC FOOT
  - 6.2. SYP TIMBER FRAMING: 0.6 LBS PER CUBIC FOOT).
7. BRUSH APPLY TWO (2) COATS OF WOOD PRESERVATIVE TO SURFACE OF PRESERVATIVE TREATED MATERIALS WHICH HAVE BEEN FIELD CUT, DRESSED OR DRILLED.
8. 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.
9. TIMBER BLOCKING IS REQUIRED BETWEEN ALL STRINGERS AT MID-SPAN USING 3X12 TIMBERS AND ½"Ø HDG LAG BOLTS.

HARDWARE:

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

FLOATING DOCK:

1. FLOATING DOCKS SHALL BE CONSTRUCTED USING CCA TREATED TIMBER FRAMING, ENCAPSULATED PERMAFLOAT FLOATATION OR APPROVED EQUAL TUBS AND CCA SYP TIMBER DECKING.
2. 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.
3. 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.
4. 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.
5. MODIFY FLOAT ANCHOR PILE GUIDES TO INCLUDE 1-INCH THICK UHMW PAD ATTACHED TO FACE OF DOCK/GUIDE IN ADDITION TO STANDARD GUIDE ROLLER.
6. FLOAT DESIGN CRITERIA:
  - 6.1. LIVE LOAD=40 PSF
  - 6.2. DEAD LOAD FREEBOARD=20"



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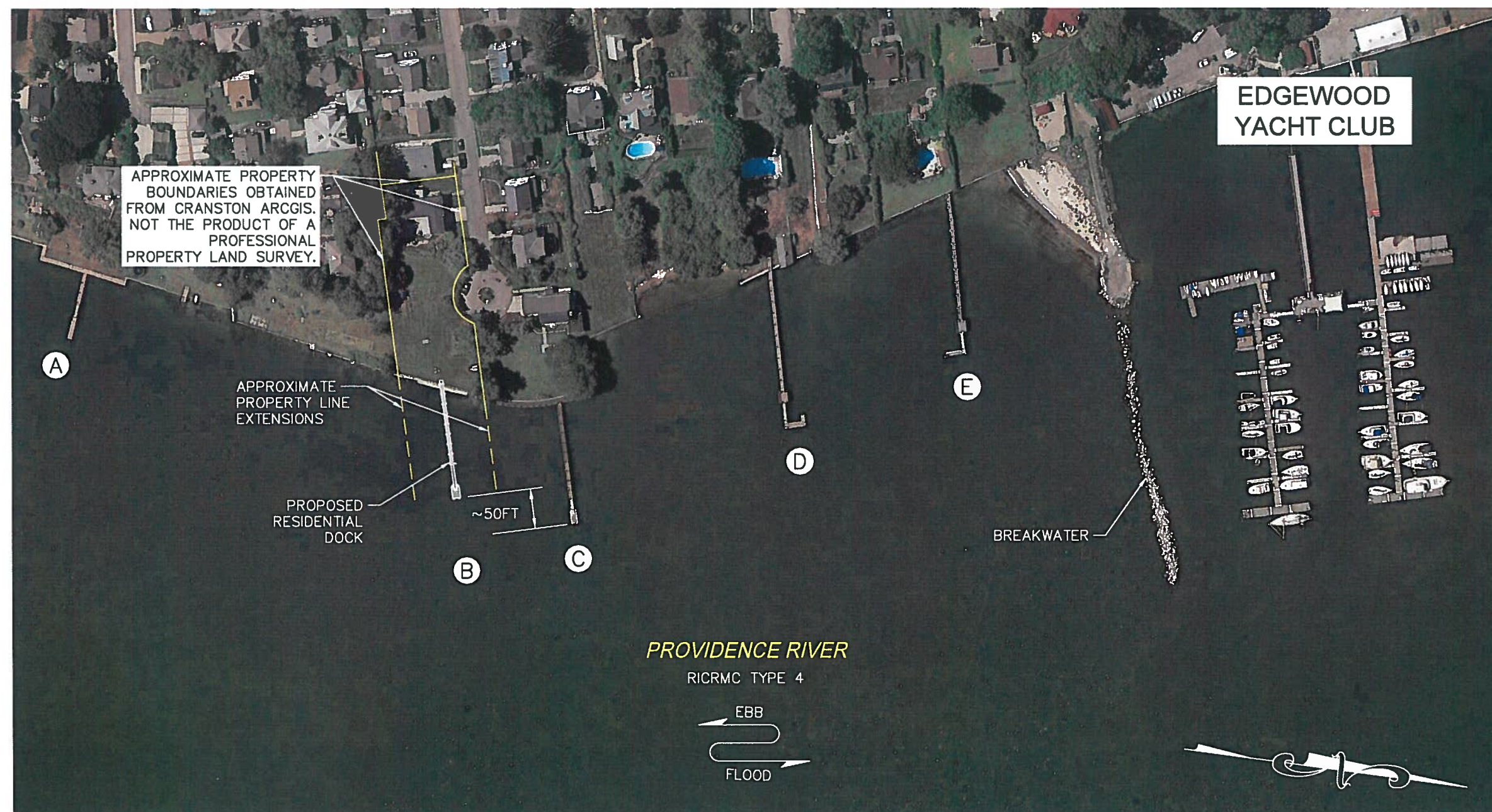
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**HARTZ RESIDENTIAL DOCK**  
**PROPOSED PIER PLAN  
& PROFILE**  
**VERTICAL DATUM: MLW**

	Date:	1/11/2021	
	Scale:	1"=20FT	
	Designed By:	AJK/MNG	
	Drawn by:	AJK	
	Checked by:	MNG	
	Project Number:	2020-03	
Sheet	6	of	7
Drawing Number:	N-1		

RECEIVED  
By Brittany at 3:29 pm, Jan 13, 2021

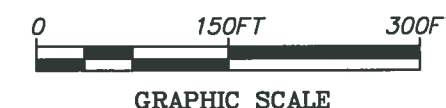




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Drawing Title:  
**HARTZ RESIDENTIAL DOCK**  
AREA RESIDENTIAL DOCKING  
FACILITIES SUMMARY

**NOTES:**

1. THE AERIAL PHOTOGRAPH PRESENTED HEREIN WAS OBTAINED FROM GOOGLE EARTH TAKEN IN AUGUST 2016. SCALE OF PHOTOGRAPH SHOULD BE CONSIDERED AS APPROXIMATE.
2. THE INFORMATION INCLUDED IN TABLE 3 WAS OBTAINED FROM REGULATORY FILES ASSOCIATED WITH EACH LOCATION.

TABLE 3: NEARBY RESIDENTIAL BOATING FACILITIES					
	A	B	C	D	E
ADDRESS	18 HUDSON PLACE	27 HARBOUR TER.	36 HARBOUR TER.	42 BLUFF AVE.	8 KENSINGTON RD.
RICRMC FILE #	2013-09-116	PROPOSED	2008-03-063	2008-03-059	2006-04-075
DESCRIPTION OF FACILITY	4FTx60FT PIER, & 4FTx20FT FIXED TERMINUS	4FTx102FT PIER, 3FTx30FT RAMP & 10FTx15FT FLOAT	4FTx110FT PIER, 3FTx24FT RAMP & 8FTx15FT FLOAT	4FTx168FT PIER, 3FTx26FT RAMP & 4FTx8FT ACCESS FLOAT AND 6FTx25FT FLOAT	4FTx176FT PIER, 3FTx22FT RAMP, 4FTx10FT ACCESS FLOAT AND 5FTx20FT FLOAT
LENGTH OF TOTAL STRUCTURE SEAWARD OF MLW	63 FEET	116 FEET (PROPOSED)	60 FEET	81 FEET	75 FEET
LENGTH OF TOTAL STRUCTURE SEAWARD OF MHW	64 FEET	136 FEET (PROPOSED)	142 FEET	222 FEET	203 FEET

	Date:	1/11/2021
	Scale:	1"=150FT
	Designed By:	AJK/MNG
	Drawn by:	AJK
	Checked by:	MNG
Project Number:	2020-03	
Sheet	7	of 7
Drawing Number:	A-1	