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).

<table>
<thead>
<tr>
<th>Project Location:</th>
<th>27 Harbour Terrace</th>
</tr>
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<tbody>
<tr>
<td>City/Town:</td>
<td>Cranston</td>
</tr>
<tr>
<td>Plat/Lot:</td>
<td>2 / 3896</td>
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<tr>
<td>Waterway:</td>
<td>Providence River</td>
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</table>

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.
SITE EXPOSURE WAVE SUMMARY
MIND DIRECTION: SSE

RECURRENT: 100 YEAR (1% ANNUAL)
WIND SPEED: 103 MPH
Hs=6.0 FT / Tp=4.8 SEC

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

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

RECURRENT: 10 YEAR (10% ANNUAL)
WIND SPEED: 75 MPH
Hs=3.9 FT / Tp=2.9 SEC

NOTE: CALCULATED WAVE PROPERTIES DETERMINED USING CEDAS/AEC SOFTWARE

<table>
<thead>
<tr>
<th>TABLE 1: SITE EXPOSURE</th>
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<tbody>
<tr>
<td>ANGLE</td>
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<td>13</td>
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<thead>
<tr>
<th>TABLE 2: TIDAL AND STORM SURGE BENCHMARKS IN FEET</th>
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<tbody>
<tr>
<td>BENCHMARK</td>
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<tr>
<td>-----------</td>
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<tr>
<td>FEMA BASE FLOOD ELEVATION (BFE)</td>
</tr>
<tr>
<td>FEMA 1% RECURRENCE (10YR) SWL</td>
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<tr>
<td>FEMA 2% RECURRENCE (50YR) SWL</td>
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<tr>
<td>FEMA 10% RECURRENCE (10YR) SWL</td>
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<tr>
<td>MEAN HIGHER HIGH WATER (MHHW)</td>
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<tr>
<td>MEAN HIGH WATER (MHW)</td>
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<tr>
<td>NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)</td>
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<td>MEAN LOW WATER (MLW)</td>
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<td>MEAN LOWER LOW WATER (MLLW)</td>
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REFERENCES:
1. 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 WATER (MLW) DATUM.
2. STORM SURGE STILLWATER LEVEL (SWL) ELEVATIONS WERE OBTAINED FROM TRANSECT #2 FROM THE FLOOD INSURANCE STUDY (FIS) FOR PROVIDENCE COUNTY, RHODE ISLAND [STUDY #44007CV0001] PREPARED BY FEMA DATED 10/2/2015. SWL ELEVATIONS DO NOT INCLUDE WAVE ACTION.
3. BASE FLOOD ELEVATION, INCLUDING STORM SURGE AND ASSOCIATED WAVE ACTION, WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) #44007CC0319J 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.
4. TIDAL ELEVATIONS WERE OBTAINED FROM NOAA VDATUM ONLINE TOOL USING LAT/LONG COORDINATES IN THE VICINITY OF THE PROJECT AREA.
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" 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). SOUNDBOARDS AND BATHYMETRIC CONTOURS ARE APPROXIMATELY 3.2 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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HARBOUR TERRACE

**BENCHMARK**
SPIKE "41" IN U.P. 4
ELEV = 18.50
DATUM: M.L.W.

**AP. 2, LOT 3896**
N/F SCOTT HARTZ & LINDA GIFFORD DECEUS
BK. 5805, PG. 148

**PROPERTY LINE EXTENSION (APPROXIMATE)**

**EX. CONCRETE SEAWALL**

**FIRE PIT**

**BENCHMARK**
DH SET IN CONCRETE
ELEV = 9.93
DATUM: M.L.W.

**AP. 2, LOT 3674**
N/F JAMES DECEMAS & MARIA DECEMAS
BK. 1068, PG. 302

**FEMA FLOOD ZONE GUTTER**

**ZONE X**
(D. ZONE VE)

**NEIGHBORING RESIDENTIAL DOCK**

**PROVIDENCE RIVER**
RIRMC TYPE 4

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

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

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**HARBOUR ENGINEERING, LLC**
28 BOSWORTH STREET
BARRINGTON, RI 02806
(401) 829-4870
harboreng.com
RESIDENTIAL DOCK PLAN

SECTION A-A
RESIDENTIAL DOCK PROFILE

NOTES:
1. FOR SITE PLAN INFORMATION, SEE SHEET EX-1.
GENERAL NOTES:
1. DRAWING AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARC 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 ALTERED 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 ERCTION OF STRUCTURAL MATERIALS 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 COMPLY WITH THE LATEST EDITION OF THE OSHA CODE, THE RHODE ISLAND BUILDING CODE, AND THE REFERENCED STANDARDS INCLUDED THEREIN ARE APPLICABLE TO THIS PROJECT.
7. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SURVEY SUPPORT NEED TO COMPLETE THE WORK, INCLUDING TAKEOUT, TO ENSURE THE WORK IS COMPLETED CONSISTENT WITH PROJECT PLANS AND ASSOCIATED REGULATORY APPROVALS.
8. ALL MATERIAL STORAGE SHALL BE DONE VIA BARGE.

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 ACCOMPANY THE WORK.
2. THE CONTRACTOR SHALL KEEP AN ACCURATE SET OF PILE INSTALLATION / DRIVING LOGS. ALL AIDS BEING INSTALLED SHALL BE CLEARLY MARKED IN 1 FOOT INCREMENTS PRIOR TO INSTALLATION TO SUPPORT MONITORING / RECORDING EFFORTS. ALL AIDS SHALL BE CERTIFIED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER PRIOR TO PAYMENT.
3. PILE LOGS SHALL INCLUDE: PILE ID, LOCATION, DEPTH TO MUDLINE (INCLUDING DATE & TIME RECORDED) AND TOTAL TIME.

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.

DECKING ON PIER AND FLOATING DOCK SHALL BE 1” NOM. IPE FASTENED TO STRINGERS USING STAINLESS STEEL SCREWS.

PIER SUPPORT PILES SHALL BE 12’ #4 SOUTHERN YELLOW PINE (SYP) WITH 15FT EMBEDMENT INTO COMPETENT MATERIAL.

FLOAT ANCHOR PILES SHALL BE 12’ #4 GREENHEART WITH 15FT EMBEDMENT INTO COMPETENT MATERIAL. THESE PILES SHALL BE BONDED USING ONE 1” STAINLESS STEEL BAND AT EACH PILE BUTT TO PREVENT FUTURE BUCKLING.

UNLESS NOTED OTHERWISE, ALL TIMBER MATERIAL (INCLUDING STRINGERS, SPLIT CAPS AND OTHER FRAMING) SHALL BE SOUTHERN LUMBER (SYP) 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.

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.

BRUSH APPLY TWO (2) COATS OF WOOD PRESERVATIVE TO SURFACE OF PRESERVATIVE TREATED MATERIALS WHICH HAVE BEEN FIELD CUT, DRESSED OR DRILLED.

SPACING OF STRINGERS SHOULD OCCUR EXCLUSIVELY OVER THE CENTER OF A PILE (OVER THE SPLIT CAP) WITH A 3 FT BUTT SPlice. EACH SPICE SHOULD INCLUDE A 3" 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 #6 HDG LAG BOLTS.

HARDWARE:
1. ALL BOLTS SHALL BE ASTM A307 OR BETTER SIZED NO LESS THAN 1". UNLESS NOTED OTHERWISE, ACCOMPANYED BY APPROPRIATELY SIZED NUTS AND WASHERS.
2. ALL HARDWARE INCLUDING NAILS, SCREWS, BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED (.060) STEEL, UNLESS NOTED OTHERWISE.
3. COUNTER SINK AREAS WHERE HARDWARE INTERFERES WITH CONSTRUCTION OR VESSEL BERTHING AREAS.

FLOATING DOCKS:
1. FLOATING DOCK 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 ADAPTEDLY 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 (4) HOT-DIPPED GALVANIZED STEEL FLOATS ON THE FLOATING DOCK, ATTACHED TO THE FRAMING OF THE FLOATING DOCK USING THROUGH BOLTS. FLOATS 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 (4) CORNER BUMPERS.
5. MODIFY FLOAT ANCHOR PILE GUIDES TO INCLUDE 1-INCH THICK UHWN PAD ATTACHED TO FACE OF DOCK/GUIDE IN ADDITION TO STANDARD GUIDE ROLLER.

FLOAT DESIGN CRITERIA:
6.1 LIVE LOAD: 40 PSF
6.2 DEAD LOAD: FREEBOARD=20"
TABLE 3: NEARBY RESIDENTIAL DOCKING FACILITIES

<table>
<thead>
<tr>
<th>ADDRESS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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</thead>
<tbody>
<tr>
<td>18 HUDSON PLACE</td>
<td>27 HARBOUR TER.</td>
<td>36 HARBOUR TER.</td>
<td>42 BLUFF AVE.</td>
<td>8 KENSINGTON RD.</td>
<td></td>
</tr>
<tr>
<td>NROMC FILE #</td>
<td>PROPOSED</td>
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<tr>
<td>DESCRIPTION OF FACILITY</td>
<td>4FTx60FT PIER, &amp; 4FTx20FT FIXED TERMINUS</td>
<td>4FTx100FT PIER, 3FTx30FT RAMP &amp; 8FTx15FT FLOAT</td>
<td>4FTx160FT PIER, 3FTx20FT RAMP &amp; 6FTx25FT FLOAT</td>
<td>4FTx176FT PIER, 3FTx22FT RAMP, 4FTx10FT ACCESS FLOAT &amp; 5FTx20FT FLOAT</td>
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<tr>
<td>LENGTH OF TOTAL STRUCTURE SEAWARD OF MLW</td>
<td>63 FEET</td>
<td>116 FEET (PROPOSED)</td>
<td>60 FEET</td>
<td>81 FEET</td>
<td>75 FEET</td>
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<tr>
<td>LENGTH OF TOTAL STRUCTURE SEAWARD OF MHW</td>
<td>64 FEET</td>
<td>136 FEET (PROPOSED)</td>
<td>142 FEET</td>
<td>222 FEET</td>
<td>203 FEET</td>
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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.