



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

APPLICATION FOR STATE ASSENT

To perform work regulated by the provisions of Chapter 279 of the Public Laws of 1971 Amended.

| | |
|---|---|
| Project Location <u>50 Fort Ave., Cranston</u> <small>No. Street City/Town</small> | File No. (CRMC USE ONLY) 2021-09-056 |
| Owner's Name Kenneth Guarino | Plat: AP 1, Lot 109 Lot(s): |
| Mailing Address <u>50 Fort Ave</u> <small>City/Town State Zip Code</small> Cranston RI 02905 | Contact No.: 401-533-3841 Email Address: |
| Contractor RI Reg. # Address NA | Email address: Tel. No. NA |
| Designer Warren Hall Address 63 Elmwood Ave Middletown RI | Tel. No. 849-5905 |
| Name of Waterway Providence River | Estimated Project Cost (EPC): \$100,000 Application Fee: \$1500 |
| Describe accurately the work proposed. (Use additional sheets of paper if necessary and attach this form.) Construct and maintain a 4'x109' timber pier, with a 4'x20' access section and a 25,000 boat lift. Variance is requested from 1.3.1(D)(6)(f)(3) pier to extend 75' beyond mean low water. | |

Have you or any previous owner filed an application for and/or received an assent for any activity on this property?
 (If so please provide the file and/or assent numbers): M2021-06-024

Is this site within a designated historic district? YES NO

Is this application being submitted in response to a coastal violation? YES NO

If YES, you must indicate NOV or C&D Number: _____

Name/ mailing addresses of adjacent property owners whose property adjoins the project site. Accurate mailing addresses will insure proper notification. KG Applicant **must** initial to certify accuracy of adjacent property owners and accuracy of mailing addresses.

Matthew & Francesca Markham 2307 Chandler Ct., Sherman TX 75092

Richard V Santurri 36 Fort Ave, Cranston, RI 02905

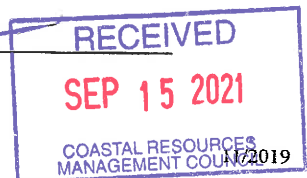
STORMTOOLS (<http://www.beachsamp.org/resources/stormtools/>) is a planning tool to help applicants evaluate the impacts of sea level rise and storm surge on their projects. The Council encourages applicants to use STORMTOOLS to help them understand the risk that may be present at their site and make appropriate adjustments to the project design.

NOTE: The applicant acknowledges by evidence of their signature that they have reviewed the Rhode Island Coastal Resources Management Program, and have, where possible, adhered to the policies and standards of the program. Where variances or special exceptions are requested by the applicant, the applicant will be prepared to meet and present testimony on the criteria and burdens of proof for each of these relief provisions. The applicant also acknowledges by evidence of their signature that to the best of their knowledge the information contained in the application is true and valid. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then the permit granted under this application may be found to be null and void. Applicant requires that as a condition to the granting of this assent, members of the CRMC or its staff shall have access to the applicant's property to make on-site inspections to insure compliance with the assent. This application is made under oath and subject to the penalties of perjury.

08/04

[Signature]
 Owner's Signature (sign and print)

PLEASE REVIEW REVERSE SIDE OF APPLICATION FORM



Warren Hall, Civil Engineer
PE # 5114, PLS # 1917, 63 Elmwood Ave.
Middletown, RI 02842
401-849-5905

September 14, 2021
CRMC
4808 Tower Hill Rd
Wakefield, RI 02879

Re: Residential Pier and Boatlift Application, Kenneth Guarino, 50 Fort Ave., Cranston,
RI 02905, AP 1, Lot 109

Dear Sirs / Madam,

Submitted on behalf of the applicant, Kenneth Guarino, please find enclosed application to construct & maintain a residential pier and boatlift. Pier and boatlift to extend 75' seaward of mean low water. A variance is requested from CRMC 1.3.1.(D)(6)(f)(3).

I have included the following:

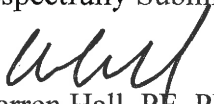
Four copies of:

- 1) Application
- 2) Agreement as to Fees, dated 9-8-21
- 3) Proof of property ownership, dated 5-5-21
- 4) Narrative of Construction, dated 8-20-21
- 5) Category B requirements, dated 8-20-21
- 6) Variance request section 1.1.7, dated 8-20-21
- 7) Pictures of site, one thru four, 1 sheet, dated 8-19-21
- 8) Full size drawings, sheets one thru five, all dated 7-22-21

And check #3561 pay to CRMC \$1500.00, dated 8-2-21.

If you have any questions please call me at 849-5905.

Respectfully Submitted,


Warren Hall, PE, PLS

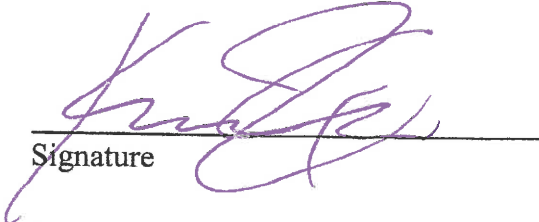


STATEMENT OF DISCLOSURE AND APPLICANT AGREEMENT AS TO FEES

The fees which must be submitted to the Coastal Resources Management Council are based upon representations made to the Coastal Resources Management Council by the applicant. If after submission of this fee the Coastal Resources Management Council determines that an error has been made either in the applicant's submission or in determining the fee to be paid, the applicant understands that additional fees may be assessed by the Coastal Resources Management Council. These fees must be paid prior to the issuance of any assent by the Coastal Resources Management Council.

The applicant understands the above conditions and agrees to comply with them.

Signature



Date

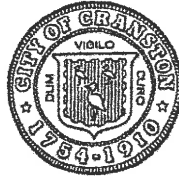
9/8/21

Kenneth Guarino 50 Fort Ave., Cranston , RI 02905

Print Name and Mailing Address



KENNETH J HOPKINS
MAYOR



MARK D. CAPUANO
CITY ASSESSOR

DAVID COLE
DEPUTY ASSESSOR

DEPARTMENT OF FINANCE
DIVISION OF ASSESSMENT
869 PARK AVE
CRANSTON, RI 02910-2786

May 5, 2021

To Whom It May Concern:

Please be advised that our records indicate the owners of 50 Fort Avenue, also designated at Assessor's Plat 1 Lot 109, as Kenneth F. and Elvira Guarino.

Should you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Mark D. Capuano
City Assessor



NARRATIVE OF CONSTRUCTION
RESIDENTIAL PIER AND 25,000# BOATLIFT
FOR
KENNETH GUARINO
AP 1, LOT 109
50 FORT AVE., CRANSTON, RI 02905
Type 4 water

August 20, 2021

As proposed the project will consist of a new 4' x 109' residential pier, 25,000-pound boatlift and a fixed L access pier. Pier to extend 75' seaward of mean low water, a variance is requested from 1.3.1.D.6.f.3. Extension of pier will mitigate wave action from large vessel wake generated waves.

Equipment that will be used during construction will consist of a barge mounted pile drive, utility trucks, and general tools used by dock builders. Access for the equipment will be over the water and public roads.

Materials to be used on this pier have been used in the past on similar projects, they include: timbers (Alkaline Copper Quaternary treated), piles will be CCA (Copper Chromated Arsenic) treated to 2.5 pcf, metal connectors (hot dipped galvanized and stainless steel). The ACQ & CCA treatment is a non-leaching preservative.

As called for on the plans pile driving operations will be limited to a soft start.

Cut from the Plan:

"A "soft start" is required to allow animals an opportunity to leave the project vicinity before sound pressure levels increase. In addition to using a soft start at the beginning of the work day for pile driving, one must also be used at any time following cessation of pile driving for a period of 30 minutes or longer. For impact pile driving: pile driving will commence with an initial set of three strikes by the hammer at 40% energy, followed by a one-minute wait period, then two subsequent 3-strike sets at 40% energy, with one-minute waiting periods, before initiating continuous impact driving."

Work is scheduled to begin as soon as permits are secured or in the spring of 2022, and is expected to take 2 weeks to complete.


Warren Hall, PE, PLS



CATEGORY B REQUIREMENTS
RESIDENTIAL PIER AND 25,000 POUND BOAT-LIFT
KENNETH GUARINO
AP 1, LOT 109, 50 FORT AVE., CRANSTON, RI 02905
TYPE 4 WATER

August 20, 2021

- 1) The proposed activity is a residential pier and 25,000 # boat-lift, with associated residential use.
- 2) Local building permit is secured by the contractor.
- 3) The proposed pier will extend into the providence River. As shown on the Cranston water use map the water in this area is classified as Type 4.
- 4) As this activity will occur over the water and surrounding land area, there will be no change to the erosion and deposition process in this area.
- 5) As proposed the pier will provide clearance above the marine bottom, prevent the scouring of boat / prop wash out and bottom chaffing. Minor displacement of plant and animal life during construction will be minimized by the "soft start" pile driving operation. Wave action from large vessel wakes will be mitigated.
- 6) Proposed pier begins on private property and there is no public access over this property.
- 7) As proposed the pier and lift will be supported by 12" diameter piles, as shown with past similar projects, there has been no effect on the water circulation, flushing, turbidity, or sedimentation processes.
- 8) All of these materials have been used in the past on similar projects, resulting in no deterioration of the water quality in the area.
- 9) There are no known areas of historic or archeological significance in the area of the pier.
- 10) As proposed this pier will be located 75' seaward of mean low water where depths are 42" and as in the past have caused no conflict with any uses such as recreational boating, fishing, navigation, or commerce activities. Wave action from large vessel wakes will be mitigated.
- 11) This pier is similar to piers adjacent to the property and will have minimum impact to the view scape.


Warren Hall, PE, PLS



Warren Hall, Civil Engineer
63 Elmwood Ave.
Middletown, RI 02842
PE #5114, PLS #1917

August 20, 2021

Applicant:

**Kenneth Guarino, 50 Fort Ave., Cranston, RI 02905, AP 1, Lot 109
Pier and Boatlift application**

Type 4 Water

RE: Section 1.1.7 VARIANCE requested from:

1.3.1(D)(6)(f)(3); pier to extend 75' beyond mean low water where 50' is allowed

A):

1) Council policies and goals of sections two and three are addressed as follows:

a) Water type in this area is type four, where the council allows residential piers. As proposed this pier will be elevated a minimum 7.5' above mean high water to allow for public access laterally along the shoreline. Proposed pier will be supported on existing seawall (to be repaired under maintenance permit 2021-06-024).

b) In order to provide 3.5' water depth during mean low water, and accommodate large commercial vessel wake waves, a variance is requested to extend the pier an additional 25' beyond mean low water. This location has an increased water depth of 6" compared to water depth at 50' beyond mean low water. This increase will minimize impacts to the marine bottom and damage to boats.

2) Proposed alteration will not result in use conflicts or adverse environmental impacts:

a) The proposed pier is very similar to other piers that have been permitted and constructed. As proposed the design provides a 3.5' water depth during low tide and also provides 7.5' clearance to the stringer from mean high water, allowing all uses to continue laterally along the shoreline. This area of the cove has marinas and piers with more restrictive clearance's than this pier.

b) All of the proposed materials have been used in the past and resulted in no effect on the marine environment. Water depths obstruct any intense use of this area including fishing, navigation, and commerce.



3) Due to site conditions the standard cannot be met:

a) Pre-existing limited depth condition, large commercial vessel wake waves, and natural shoaling, are being mitigated by taking advantage of the increased length providing for a pier that is functional during periods of lower tides.

4) Modification is minimum necessary:

a) The proposed extension will provide 3.5' of water depth, allowing use and clearance to marine bottom during periods of lower tides

5) Hardship is not the result of any action by the applicant or predecessor in title:

a) Limiting water depths and shoaling are present at the site and are a natural condition.

6) Due to conditions at the site, the standard will cause the applicant an undue hardship:

a) Existing natural shoaling and minimal water depths at 50' limit use of the facility. Large vessel wake wave action is being mitigated by proposed location into deeper water.

B): NA

C): All other program requirements have been met.

D): NA


Warren Hall, PE, RLS



Residential Pier and boat lift
Kenneth Guardino 50 Fort Ave Cranston RI 02905

By: WPA
8/19/21

02905



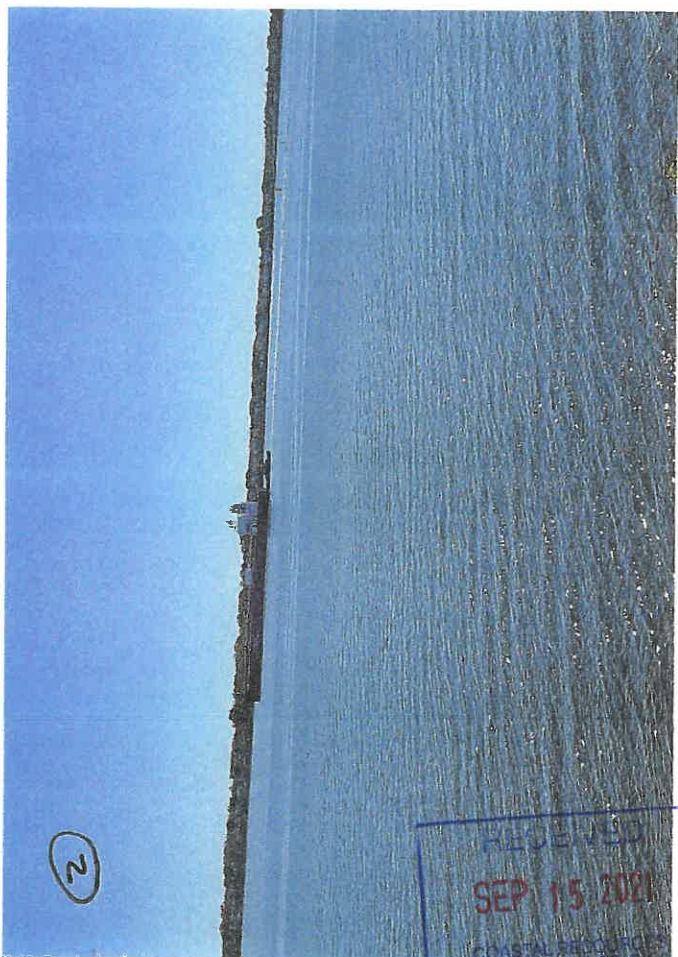
Looking west - north west

①



Looking North

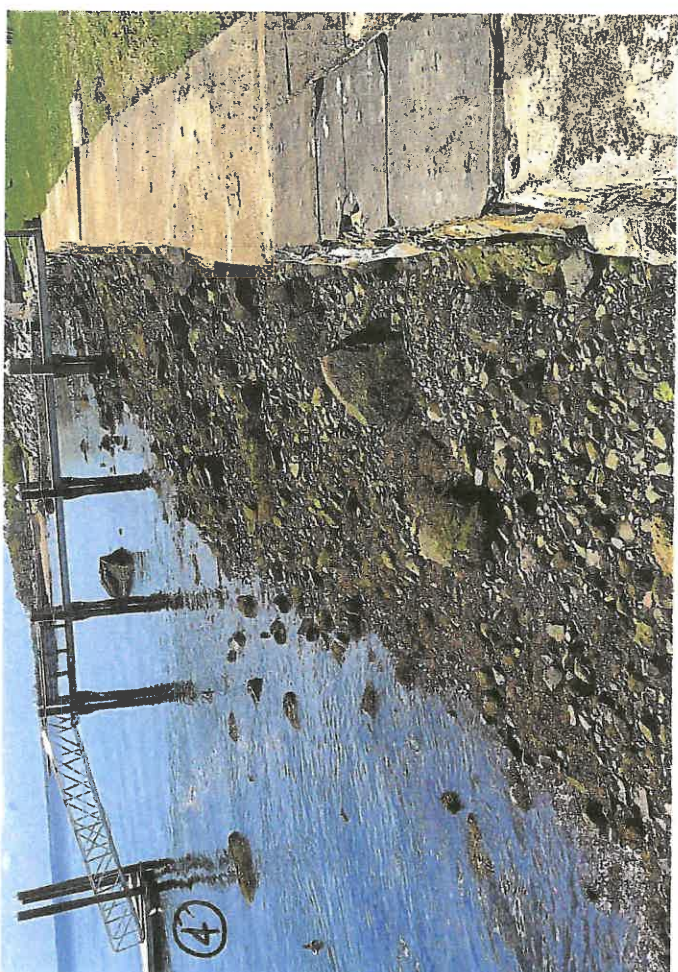
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Looking West

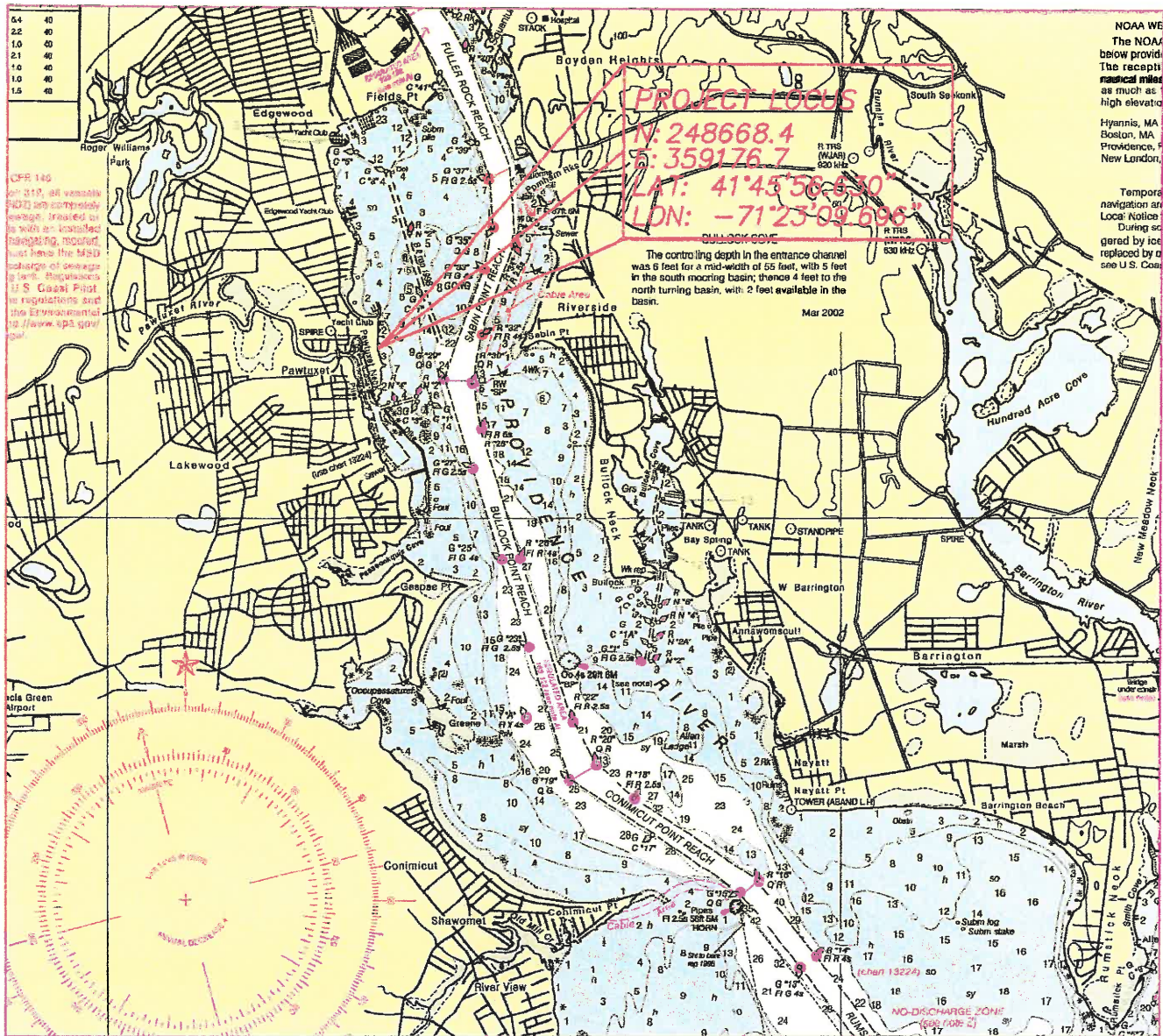
②

RECEIVED
SEP 15 2021
COASTAL ZONING
MANAGEMENT BOARD



Looking South

④



PROJECT LOCUS
 N: 248668.4
 E: 359176.7
 LAT: 41°45'56.630"
 LON: -71°23'09.696"

PORTION OF NOAA 13221

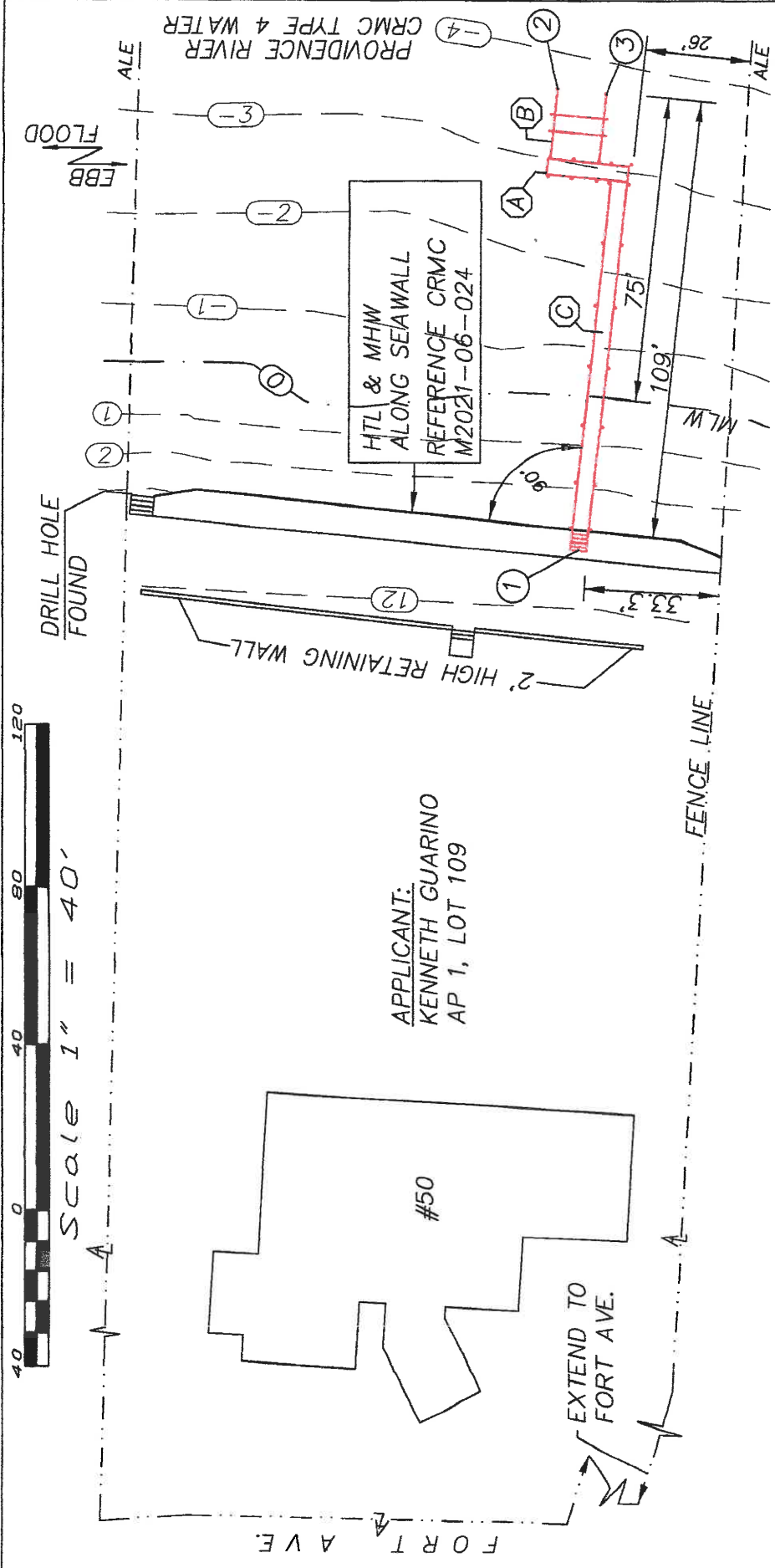


PLAN OF PROPOSED RESIDENTIAL PIER
 AND BOATLIFT
 KENNETH GUARINO
 50 FORT AVE
 AP 1, LOT 109
 CRANSTON, RI 02905
 BY: WARREN HALL, CIVIL ENGINEER
 JULY 22, 2021 SHEET 1 OF 5

WARREN F HALL

REGISTERED
 PROFESSIONAL ENGINEER
 SEP 15 2021

COASTAL RESOURCES
 MANAGEMENT COUNCIL



APPLICANT:
KENNETH GUARINO
AP 1, LOT 109

RI STATE PLANE

| | |
|---|----------------------------|
| 1 | N: 248668.2 E: 359178.8 |
| 2 | N: 248673.5 E: 359293.8 |
| 3 | N: 248661.6 E: 359292.5 |

(A) 4'x20' FIXED ACCESS
PIER ELEV=12.5 MLW

(B) 4 MOTOR, 25,000
POUND BOATLIFT

(C) FIXED PIER 4'x92.5'
EL=12.5 MLW

LEGEND

- HTL HIGH TIDE LINE
- MHW MEAN HIGH WATER
- MLW MEAN LOW WATER
- AL ASSESSORS LINE
- ALE ASSESSORS LINE EXTENSION
- FND FOUND

AREA OF PILES BELOW
HTL = 24*.785= 21.2 SF

PLAN OF PROPOSED RESIDENTIAL PIER
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KENNETH GUARINO
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AP 1, LOT 109
CRANSTON, RI 02905
BY: WARREN HALL, CIVIL ENGINEER
JULY 22, 2021 SHEET 2 OF 5

WARREN HALL
REGISTERED CIVIL ENGINEER

RECEIVED
SEP 15 2021

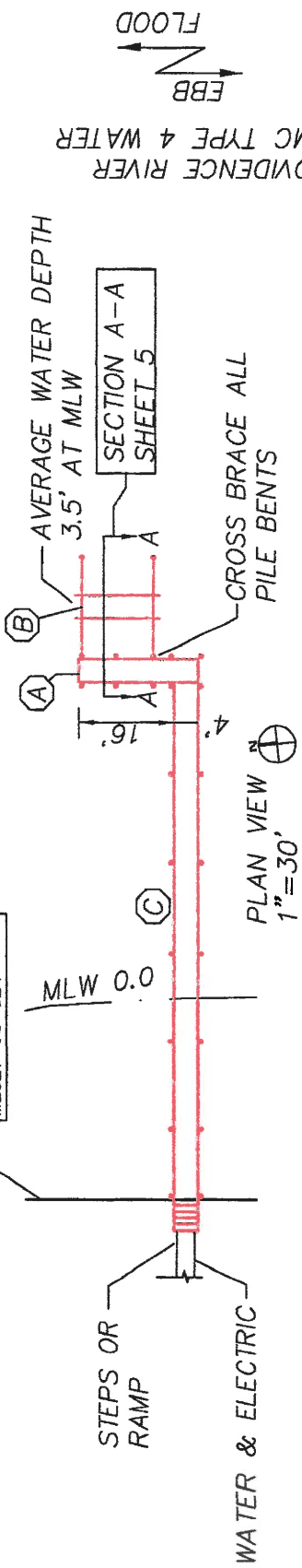


Scale 1" = 30'

HTL & MHW
ALONG SEAWALL
REFERENCE CRMC
M2021-06-024

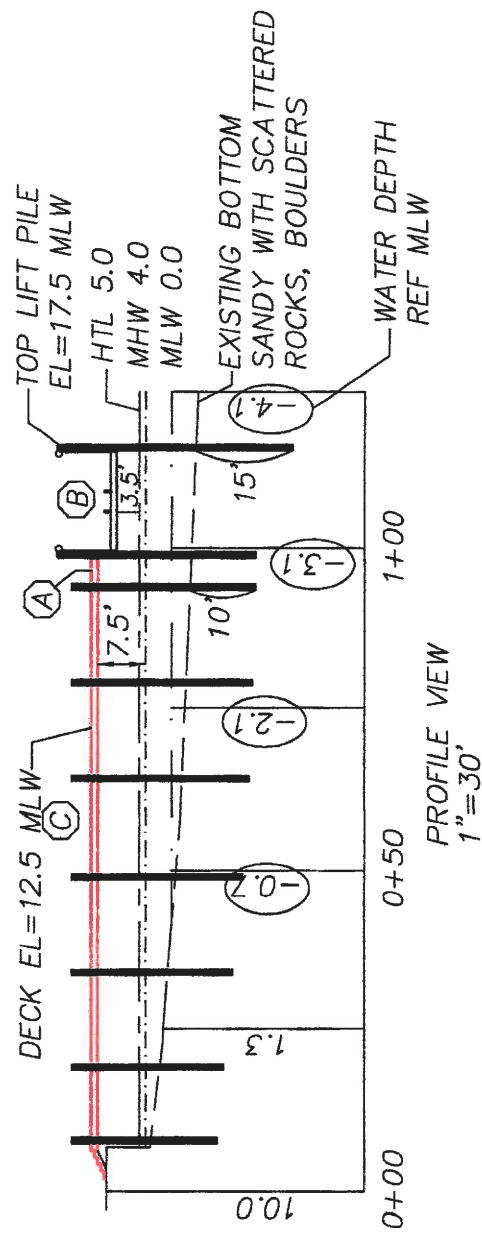
PILE DRIVING NOTE:

"soft start" is required to allow animals an opportunity to leave the project vicinity before sound pressure levels increase. In addition to using a soft start at the beginning of the work day for pile driving, one must also be used at any time following cessation of pile driving for a period of 30 minutes or longer. For impact pile driving, pile driving will be implemented with initial test strikes by the hammer at 40% energy, followed by a one minute wait period, then two subsequent strikes at 40% energy, followed by a one minute wait period, before initiating continuous impact driving.



PLAN VIEW
1" = 30'

PROVIDENCE RIVER
CRMC TYPE 4 WATER
EBB
FLOOD

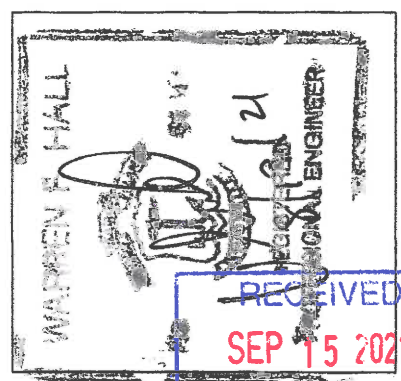


PROFILE VIEW
1" = 30'

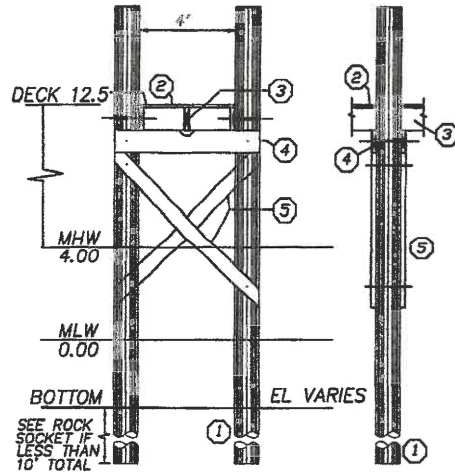
- (A) 4'x20' FIXED ACCESS PIER ELEV=12.5 MLW
- (B) 4 MOTOR, 25,000 POUND BOATLIFT
- (C) FIXED PIER 4'x92.5' EL=12.5 MLW

SET STOP BLOCKS TO PREVENT GUNWALE OF VESSEL FROM BEING ABOVE FIXED DECK EL=12.5

PLAN OF PROPOSED RESIDENTIAL PIER AND BOATLIFT
KENNETH GUARINO
50 FORT AVE
AP 1, LOT 109
CRANSTON, RI 02905
BY: WARREN HALL, CIVIL ENGINEER
JULY 22, 2021 SHEET 3 OF 5



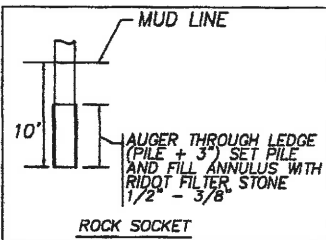
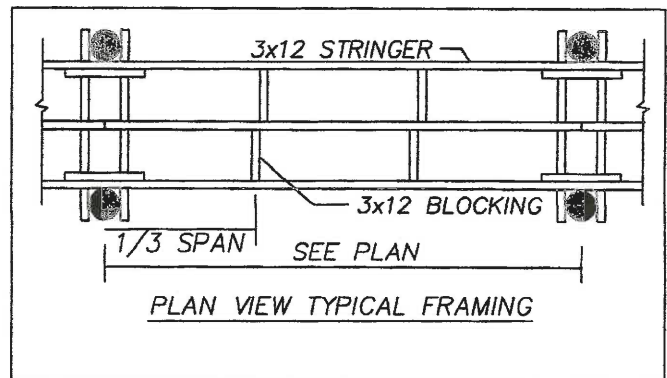
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TYPICAL SECTION 1/8"=1'-0"

KEY SYMBOLS:

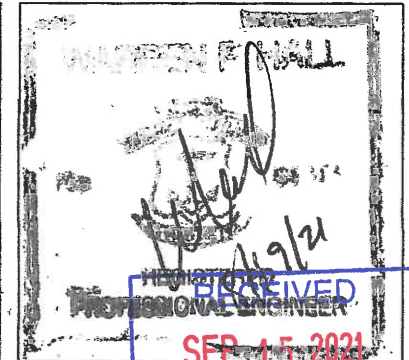
- ① 10" TIP CCA TREATED WOOD PILES TREAT TO 2.5 PCF (1.0 ALLOWED WITH OWNER CONSENT) GREENHEART AT FLOAT
- ② 2x6 DECKING ACQ TREATED TO .6 PCF FASTEN TO STRINGERS WITH 3 @ 3-1/2" NO. 10 316 STAINLESS STEEL SCREWS
- ③ 3x12 STRINGER, ACQ TREATED THRU BOLT AT PILE FASTEN MIDDLE STRINGER WITH SIMPSON H-1 HURRICANE ANCHOR
- ④ 2-3x12 CAP BEAM, ACQ TREATED TO .6 PCF
- ⑤ 3x10 CROSS BRACE, ACQ TREATED TO 2.5 PCF



GENERAL NOTES:

- 1) ALL BOLTS, CONNECTORS, WASHERS, NAILS, ECT SHALL BE HOT DIPPED GALVANIZED
- 2) CONTRACTOR SHALL ADHERE TO ALL OSHA RULES AND REGULATIONS THROUGHOUT ALL PHASES OF CONSTRUCTION
- 3) CONTRACTOR SHALL BE AWARE THAT THE STRATA INTO WHICH THESE PILES ARE TO BE DRIVEN MAY REQUIRE DRILLING TO ENSURE A MINIMUM 10' PENETRATION BELOW EXISTING GRADE

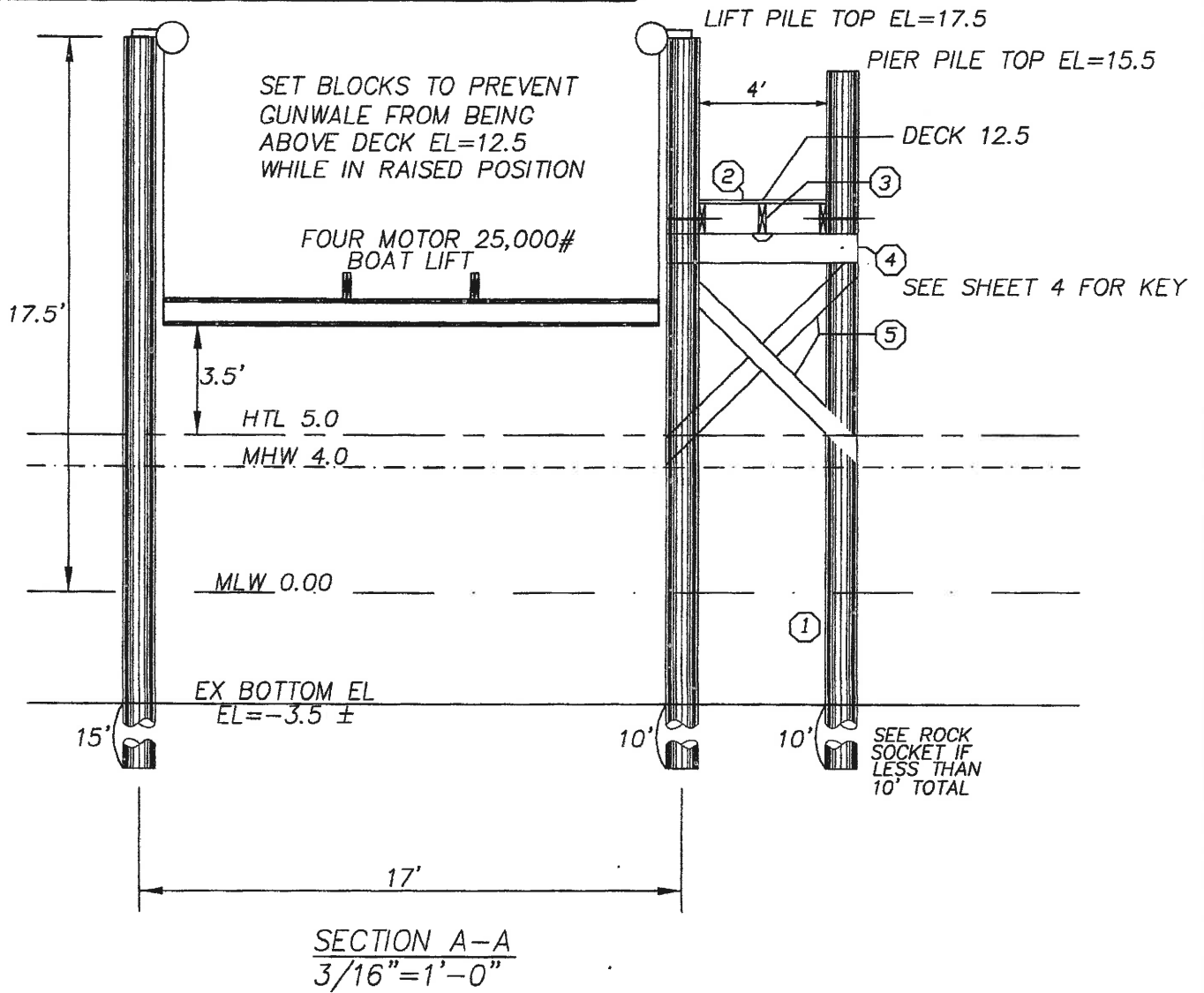
PLAN OF PROPOSED RESIDENTIAL PIER
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KENNETH GUARINO
50 FORT AVE
AP 1, LOT 109
CRANSTON, RI 02905
BY: WARREN HALL, CIVIL ENGINEER
JULY 22, 2021 SHEET 4 OF 5



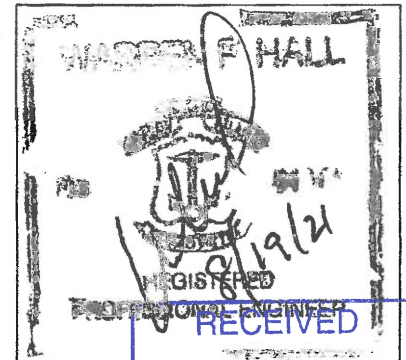
COASTAL RESOURCES
MANAGEMENT COUNCIL

GENERAL NOTES:

- 1) ALL METAL FASTENERS SHALL BE HOT DIPPED GALVANIZED.
- 2) ALL CONNECTIONS THRU PILES SHALL BE 1" DIAMETER BOLT
- 3) ALL TIMBER SHALL BE ACQ TREATED.
- 4) ALL PILES SHALL BE CCA TREATED TO 2.5 PCF.



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JULY 22, 2021 SHEET 5 OF 5



SEP 15 2021

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