



September 14, 2018

Consulting  
Engineers and  
Scientists

Sarah Porter  
New Bedford Conservation Commission  
133 Williams Street  
New Bedford, MA 02740

**RE: New Bedford State Pier, New Bedford MA (GEI 1704784 )**  
**Subj.: Request for amendment to permit MA DEP SE49-0755**

Dear Ms. Porter:

On behalf of the Massachusetts Department of Conservation and Recreation (MA DCR), we are writing to request an amendment to Order of Conditions for File Number SE49-0755 for the partial reconstruction of the New Bedford State Pier. MA DCR completed construction documents for the proposed reconstruction and, through the public bidding process, selected and awarded the construction work to A. A. Will, Inc. Construction commenced on May 25, 2018.

The Project includes partial reconstruction of the seawall at the North East Corner of the State Pier as described in the permit application (a copy of the original filing Project Description is attached). Reconstruction of this seawall is limited to portions of the wall above elevation +1 Mean Low Water (MLW). The existing concrete wall below +1 MLW is intended to remain as marked on permit drawing Sheet 6 of 9. Based on historic drawings, it was believed that timber piles were present inside this existing concrete wall. The original application intended that the existing concrete wall remains below elevation +1 MLW and that the top of this existing wall is attached to the new reinforced concrete cap shown on permit drawing Sheet 8 of 9.

The Contractor has now performed excavation and demolished the upper portions of the seawall as outlined in the permit and has now discovered that the timber piles do not extend full height in the existing concrete that is to remain. In order to ensure the stability of the completed work we are now requesting approval to add steel H piles to reinforce and stabilize the existing concrete wall. This existing wall retains fill material and must remain in place to contain the fill and prevent it spilling out into the harbor.

Our proposed design adds a total of 28 steel H piles to brace and support the existing concrete wall. The H piles will be driven immediately outshore of the existing concrete wall. Each H pile has a cross sectional area of 0.2 square feet giving a total area of additional impact of 5.6 square feet. All H piles will be installed behind (landward) of the currently approved fender system and will cause no new impact on navigation. The top of the H piles will be attached to the proposed new reinforced concrete cap. A layout plan of the piles is shown on sheet 9 of 9.

At this time, we request your review of this request for amendment as soon as possible. The Contractor remains on site and MA DCR needs to give him direction as soon as possible to prevent delays and additional cost.

If you have any questions or need any additional information, please do not hesitate to contact us.

**GEI CONSULTANTS, INC.**

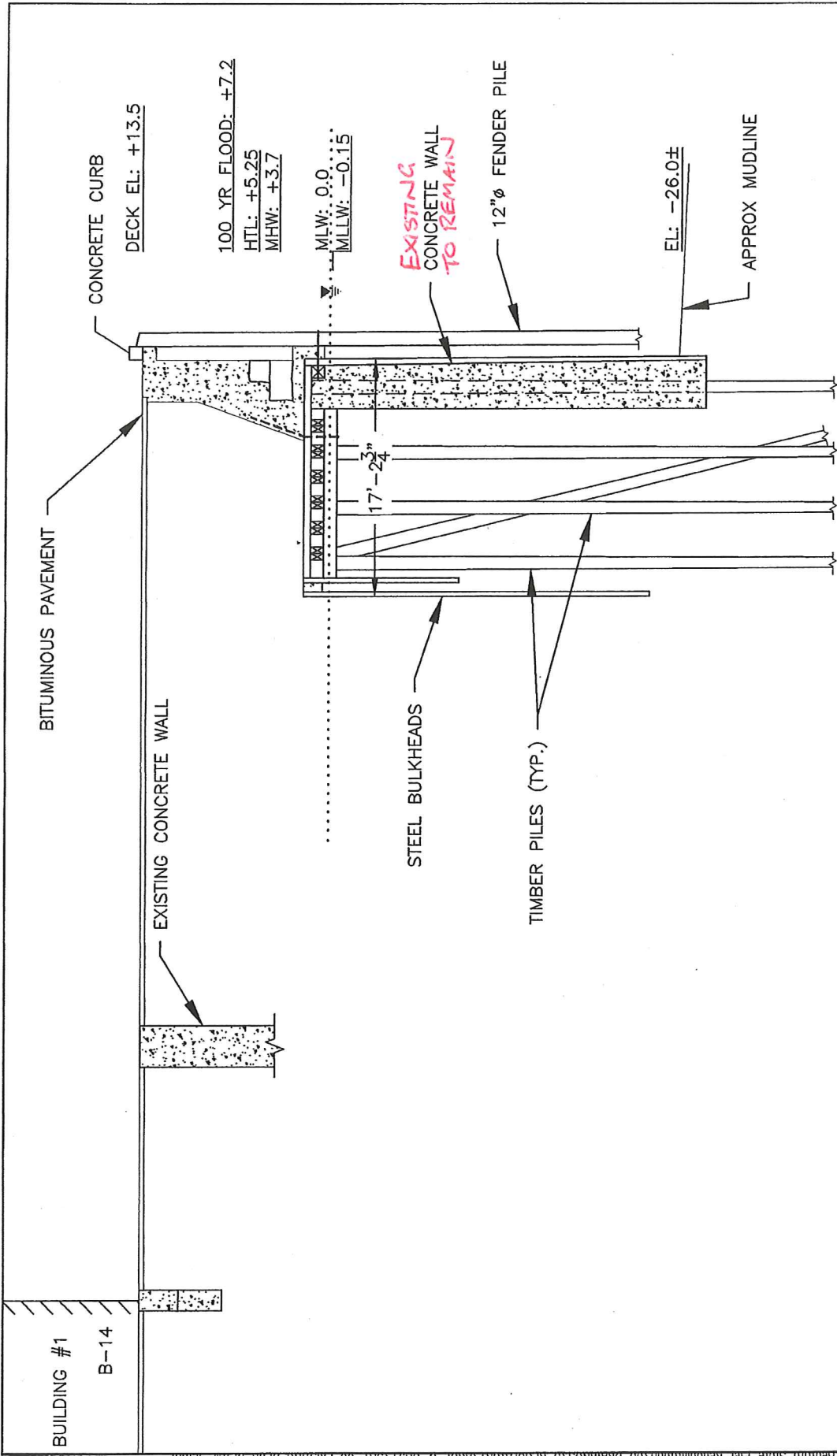
BOURNE CONSULTING WATERFRONT DIVISION

A handwritten signature in blue ink, appearing to read "R. J. Titmuss".

Russell Titmuss, PE  
Sr. Project Manager


Enc.

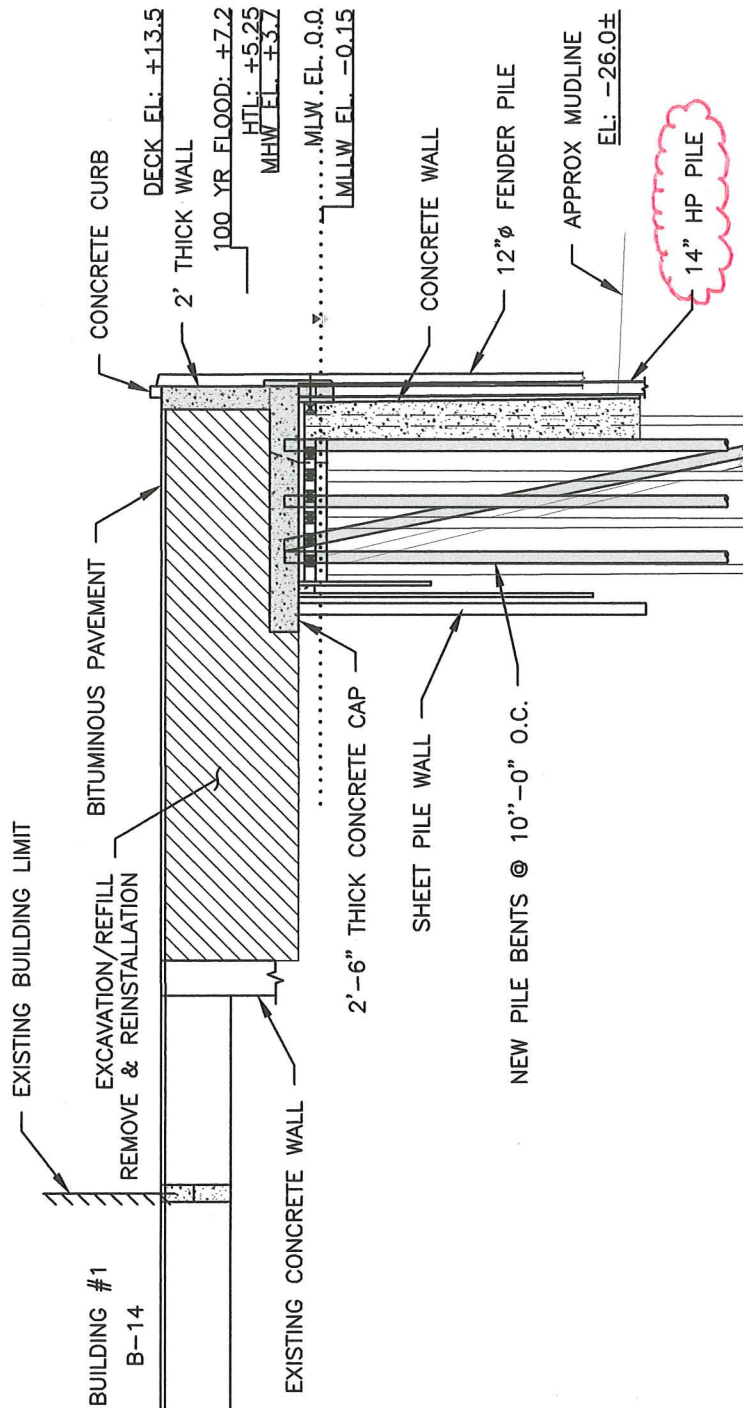
c.c.



**EXISTING NORTHEAST WHARF**  
 SCALE: 3/32" = 1'-0"

0 10  
 SCALE: 3/32" = 1'-0"

100 YR FLOOD HTL MHW	+7.20 +5.25 +3.57	NGVD MLW MLLW	+1.37 0.00 -0.15	TITLE: EXISTING NORTHEAST WHARF SECTION	IN: BUZZARDS BAY AT: NEW BEDFORD HARBOR COUNTY: BRISTOL STATE: MA
 <b>Bourne Consulting Engineering</b> <small>A Division of CEI Consultants, Inc.          3 Bent Street, Framingham, MA 01901          TEL (508) 553-6666</small>				PURPOSE: STATE PIER REHABILITATION	SHEET 6 OF 8 DATE: 03/15/17
APPLICATION BY: MA DCR					



PROPOSED NORTHEAST WHARF



SCALE: 1/16"=1'-0"

<p>100 YR FLOOD +7.20 HTL +5.25 MHW +3.57</p>	<p>NGVD MLW MLLW</p>	<p>+1.37 0.00 -0.15</p>	<p>TITLE: RELIEVING PLATFORM RECONSTRUCTION SECTION</p>	<p>IN: BUZZARDS BAY AT: NEW BEDFORD HARBOR COUNTY: BRISTOL STATE: MA</p>
<p>PURPOSE: STATE PIER REHABILITATION</p>	<p>APPLICATION BY: MA DCR</p>	<p>SHEET 8 OF 9</p>	<p>DATE: 03/15/17 REV: 08/24/18</p>	<p></p>

**BCE** Bourne Consulting Engineering  
 100 State Street, Suite 200, Buzzards Bay, MA 02532  
 (508) 553-4000

