

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

December 22, 2021

Att: Danni Goulet, PE, Dredge Coordinator  
CRMC, 4808 Tower Hill Rd.  
Wakefield, RI 02879

Re: 2020-12-040, Ballard's Wharf Realty, LLC, Maintenance Dredge Application, AP 6,  
Lot 159, Block Island, RI 02807

Dear Dan.

On behalf of applicant: Ballards Wharf Realty, LLC, owner AP 6, Lot 159, verification of  
bulkhead wall, during & post dredge operations.

Based on the attached:

- 1) Post Dredge Topo Survey, sheets 1 & 2 of 5, dated July 27, 2006, as built dredge depth  
to -3 mllw along bulkhead and -4 mllw 5' off face of bulkhead
- 2) Letter dated 9-3-2003, myself to Ken Kubic (via fax) clarifying proposed -4 dredge  
depths along bulkhead
- 3) Email from Dan Frates, Borne Consulting Engineering, dated 9-26-2003, with  
clarification of dredge depth to be -4.0 along bulkhead
- 4) Bourne Consulting Engineering, transmittal letter dated 9-29-2003 with sheets 1 thru 4  
showing Bulkhead Improvements with proposed dredge grade of -4 mllw along steel  
sheeting and a tip elevation of -32

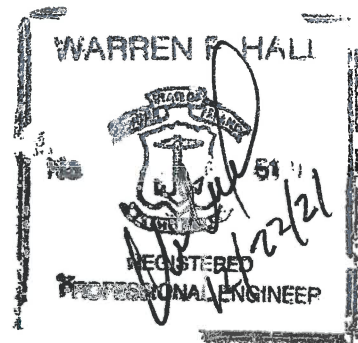
Conclusion:

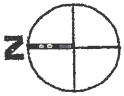
Based on this information, my inspection of the bulkhead condition, in 2000, 2006, 2011,  
and 2020, I find the steel bulkhead capable to resist all prescribed loadings and a dredge  
depth of -4 MLLW along the face.

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

Respectfully Submitted,

  
Warren Hall, PE, PLS



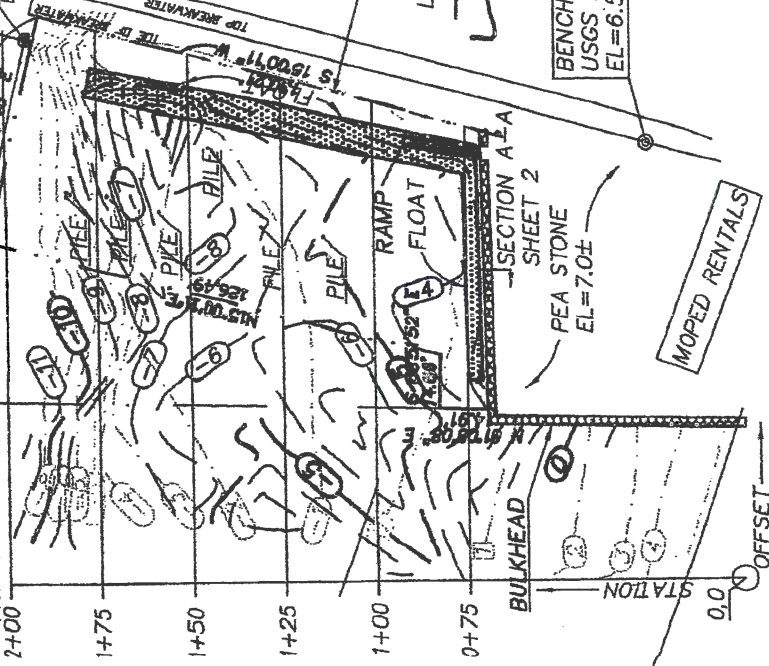


OLD HARBOR

EXISTING WOOD PIER  
(INTERSTATE NAVIGATION)

FEDERAL CHANNEL LINE (FCL)

EXTENSION OF  
PROPERTY LINE



N 32850.82  
E 484443.23

N 32831.35  
E 484438.67

N 32817.84  
E 484584.14

FEDERAL CHANNEL LINE (FCL)

TOP BREAKWATER

MARINA PERIMETER LINE  
LINE (ALONG TOE OF BREAKWATER)

LEGEND

MARINA PERIMETER LINE  
POST DREDGE CONTOURS (6-17-06)  
PRE DREDGE CONTOURS (8-11-03)

BENCHMARK  
USGS DISK B5  
EL=6.56MILL W

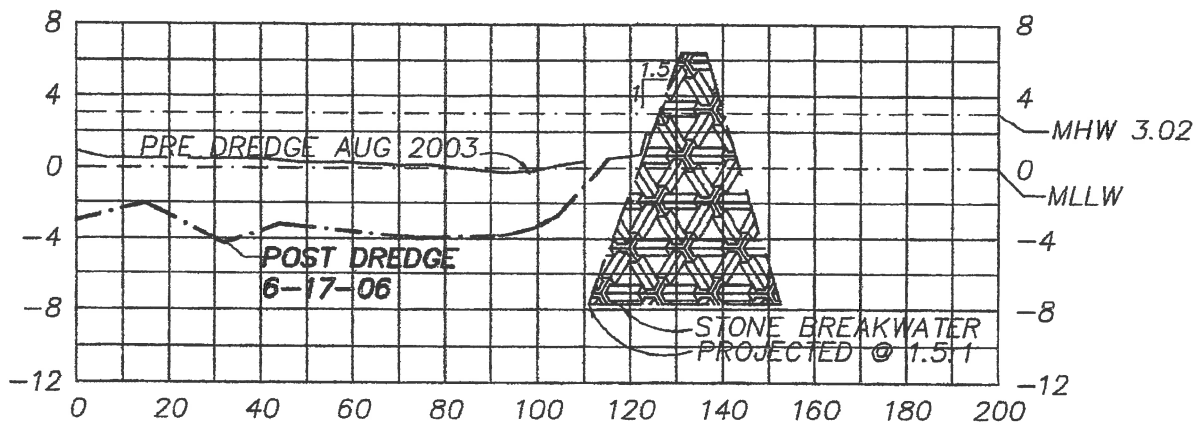
SECTION A-A

SHEET 2

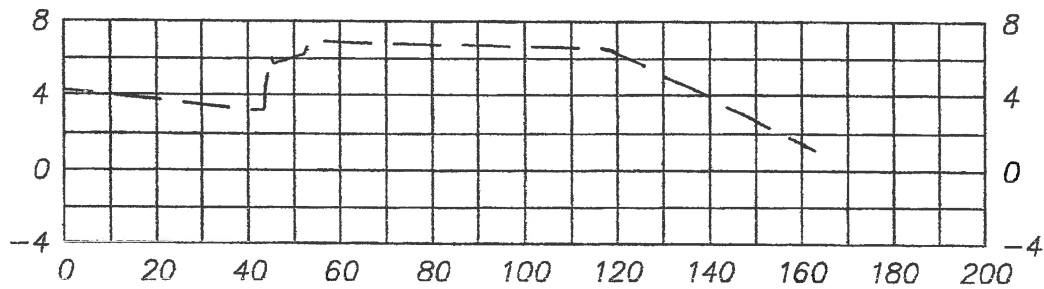
PEA STONE  
EL=7.0±

MOPED RENTALS

POST DREDGE TOPO SURVEY  
AP 6, LOT 159, NEW SHOREHAM, RI  
FOR: PAUL FILIPPI, JULY 27, 2006  
SHEET 1 OF 5  
1"=50'; BY: WARREN HALL, CIVIL ENGINEER



0+75



0+25

scales: Horiz 1"=40'  
Vert 1"=10'

CROSS SECTIONS PRE & POST DREDGE  
 AP 6, LOT 159, NEW SHOREHAM, RI  
 FOR: PAUL FILIPPI, JULY 27, 2006  
 SHEET 2 OF 5  
 1"=40', BY: WARREN HALL, CIVIL ENGINEER

**Warren Hall**

---

**From:** "Dan Frates" <dfrates@bournece.com>  
**To:** <warrenhall@cox.net>  
**Cc:** <kenkubic@earthlink.net>  
**Sent:** Friday, September 26, 2003 4:11 PM  
**Subject:** RE: Filippi Pier

Warren,

We see two discrepancies between our drawings and the drawing you sent us on September 24.

First, at the northwest corner of the proposed bulkhead, the BCE drawings show the proposed dredge El. -4.0 extending 10' south of the corner along the west face, creating a benched area. This was directed in a facsimile from Ken Kubic on September 17.

Second, the lengths of the finger float are slightly different due to location of them in relation to the breakwater. Per a discussion between Ron Bourne and Ken Kubic on September 19, the western edge of the outshore finger is 60' from the top of the breakwater, excluding the timber piles at that end. The western end of the other finger floats (except for the southernmost along the bulkhead) are 60' from the top of the breakwater including the timber piles at the end. Please refer to Sheet 4 of 4 by BCE for sections of these finger floats.

We sent copies of the drawings on Monday, September 22 to yourself and Mr. Kubic. I can facsimile copies to you if necessary. Please contact me with any questions or comments.

Sincerely,  
Danny

Daniel Frates, Waterfront Engineer  
Bourne Consulting Engineering  
184 West Central Street  
Franklin, MA 02038  
[dfrates@bournece.com](mailto:dfrates@bournece.com)  
508-528-8133



# Bourne Consulting Engineering

4 Richmond Square, Suite 300  
Providence, RI 02906

## LETTER OF TRANSMITTAL

Phone: (401) 521-4999 Fax: (401) 521-7993 E-mail: bce@bournece.com

<b>TO:</b> Ken Kubic Ken Kubic Consultants P.O. Box 1078 Charlestown, RI 02813	<b>DATE:</b> September 29, 2003
	<b>BCE#</b> 23471
	<b>RE:</b> Ballard's Inn - Bulkhead Improvements
<b>FROM:</b> Daniel G. Frates	<b>SUBJ.:</b> Permit Drawings

WE ARE SENDING YOU:  Attached  Under separate cover *the following:*

- Shop drawings       Prints       Plans       Samples       Specifications
- Copy of Letter       Change Order       \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
5	09/22/03		Ballard's Permit Drawings

THESE ARE TRANSMITTED AS CHECKED BELOW:

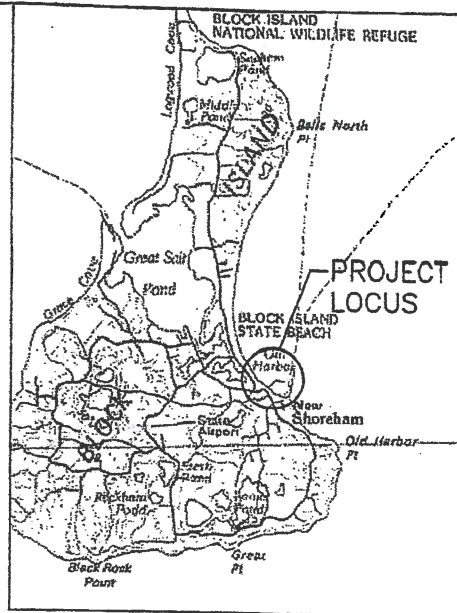
- For approval       Approved as submitted       Resubmit \_\_\_\_\_ copies for approval
- For your use       Approved as noted       Submit \_\_\_\_\_ copies for distribution
- As requested       Returned for corrections       Return \_\_\_\_\_ corrected prints
- For review and comment       \_\_\_\_\_
- FOR BIDS DUE : \_\_\_\_\_

REMARKS:

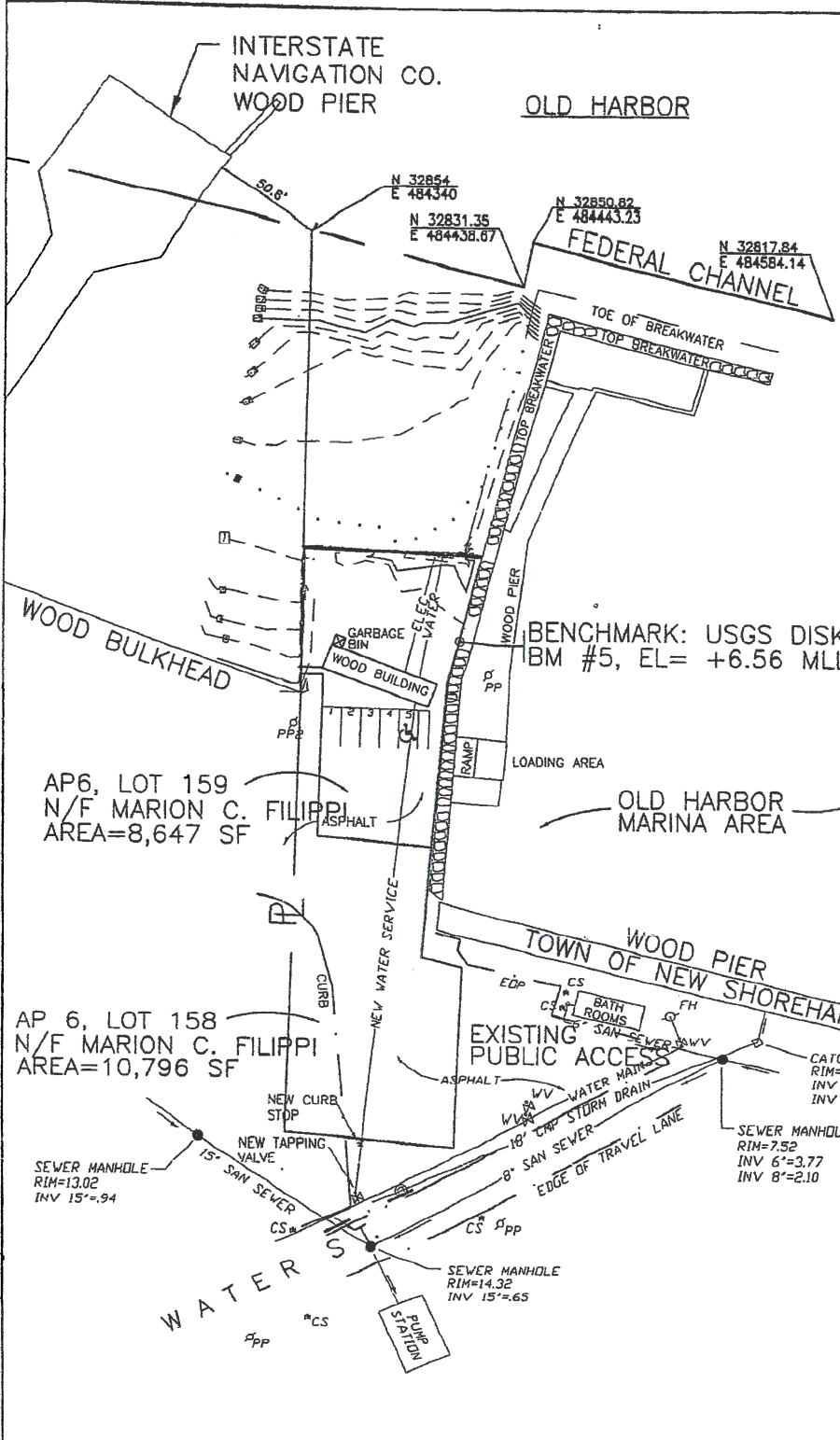
COPY TO: Warren Hall

SIGNED:

  
 Daniel G. Frates



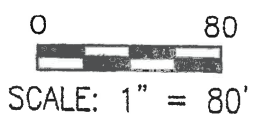
**LOCUS MAP**  
SCALE: 1" = 10,000'




BENCHMARK: USGS DISK  
BM #5, EL= +6.56 MLLW

AP6, LOT 159  
N/F MARION C. FILIPPI  
AREA=8,647 SF

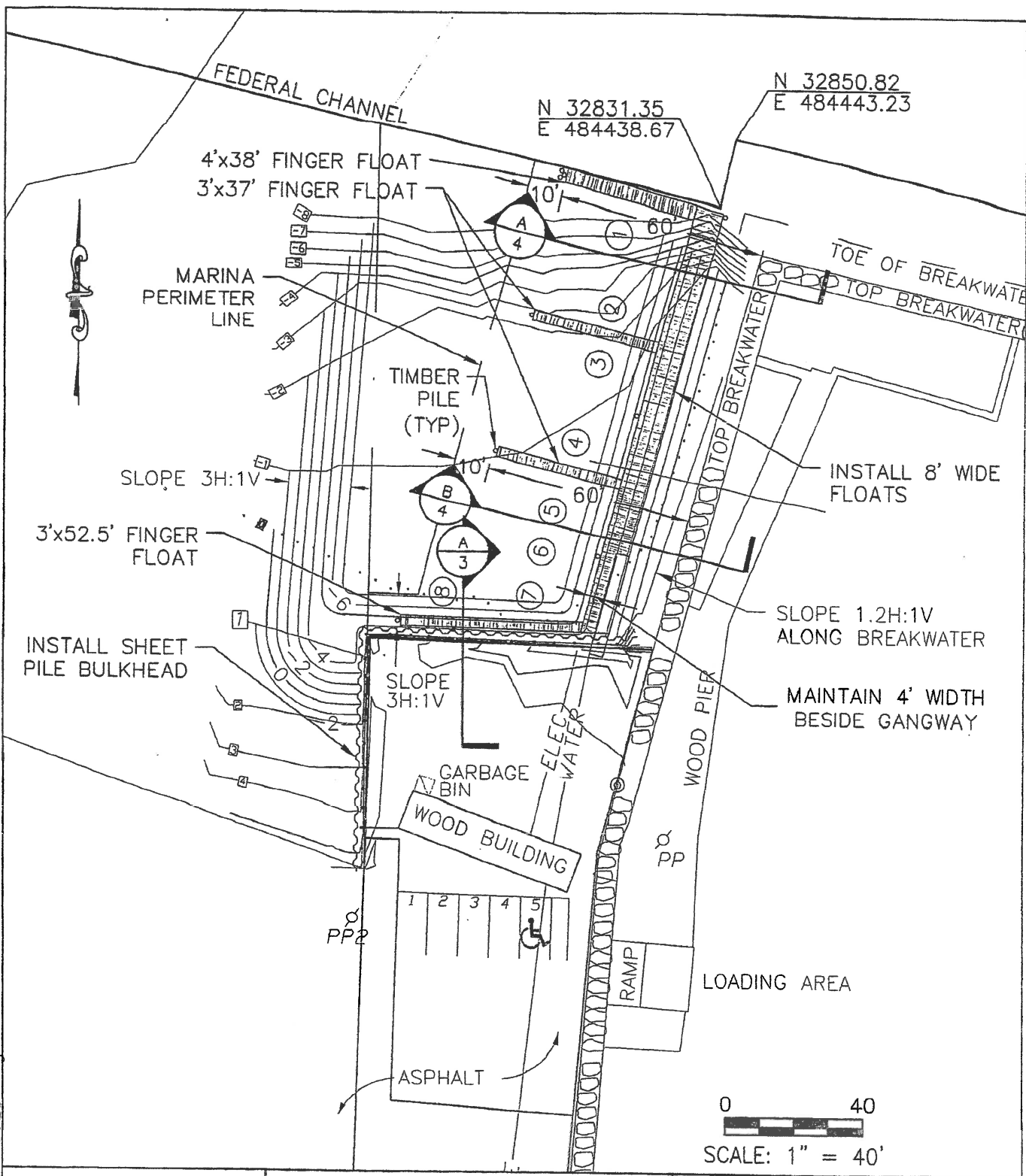
AP 6, LOT 158  
N/F MARION C. FILIPPI  
AREA=10,796 SF




File: X:\23471\EXISTING XREF.dwg

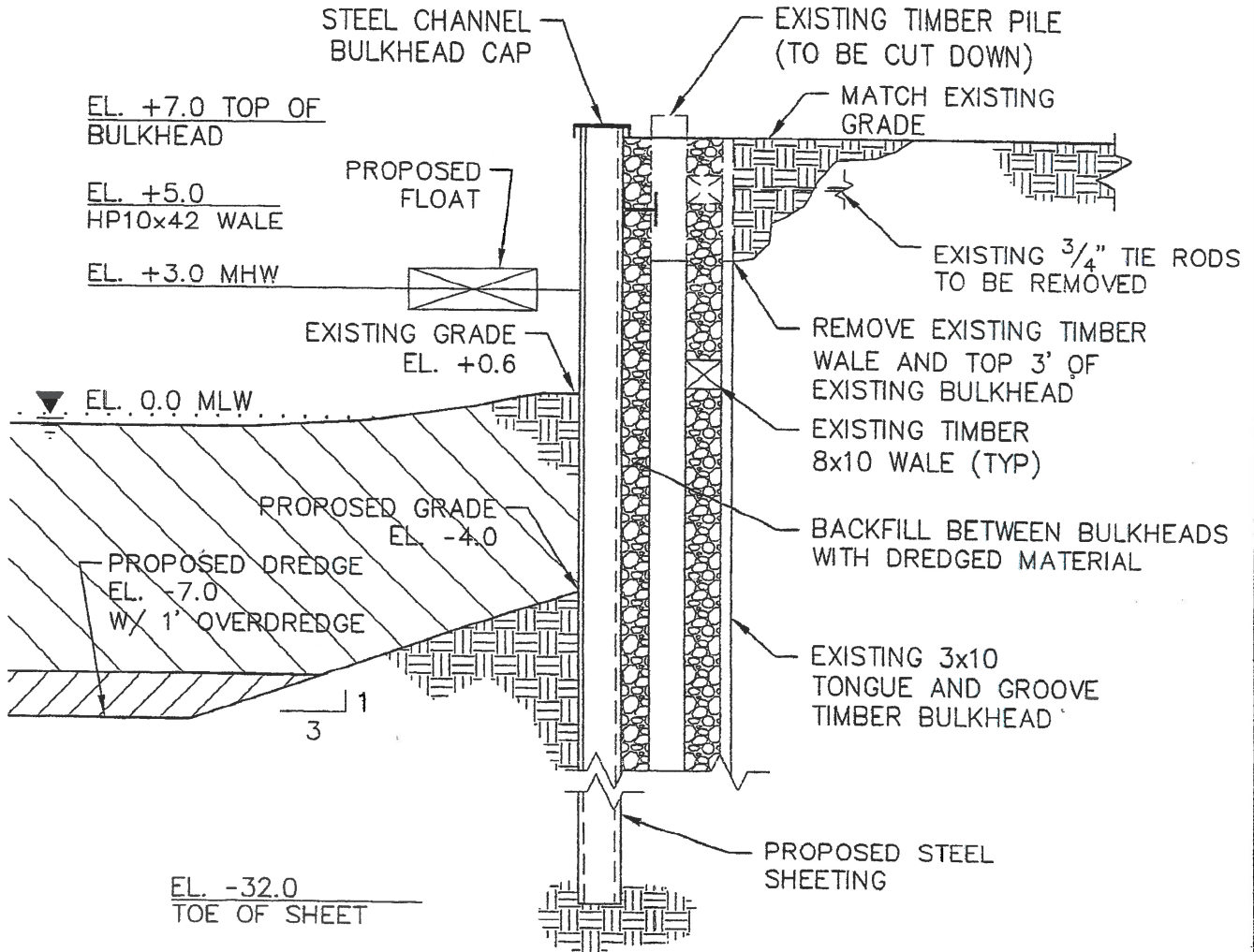
<b>PURPOSE:</b> <b>BULKHEAD IMPROVEMENTS</b>	<b>TITLE:</b> <b>EXISTING CONDITIONS PLAN</b>	<b>APPLICATION BY:</b>
100 YR FLOOD      +9.75 MHW                    +3.0 NGVD                  +1.26 MLW                    0.0	 <p style="font-size: small;">184 West Central Street Franklin, MA 06039 PH: (508) 523-0130 FAX: (508) 520-8871</p>	IN: NEW SHOREHAM AT: COUNTY: WASHINGTON STATE: RI SHEET 1 OF 4    DATE: 9/22/03

File: X:\23471\PROPOSED.dwg



PURPOSE: <b>BULKHEAD IMPROVEMENTS</b>	TITLE: <b>PROPOSED CONDITIONS PLAN</b>	APPLICATION BY:
100 YR FLOOD      +9.75 MHW                    +3.0 NGVD                  +1.26 MLW                    0.0	 <b>Bourne Consulting Engineering</b> <small>104 West Central Street          Franklin, MA 01602          PH. (508) 530-8153 FAX. (508) 530-9071</small>	IN: NEW SHOREHAM AT: COUNTY: WASHINGTON STATE: RI SHEET 2 OF 4    DATE: 9/22/03


File: X:\23471\SECTIONS.dwg



SECTION AT BULKHEAD



SCALE: 1/4" = 1'-0"

PURPOSE: <b>BULKHEAD IMPROVEMENTS</b>	TITLE: <b>PROPOSED SECTION AT BULKHEAD</b>	APPLICATION BY:
100 YR FLOOD      +9.75 MHW                    +3.0 NGVD                  +1.26 MLW                    0.0	 <p><b>BCE</b> Bourne Consulting Engineering  <small>104 West Central Street          Franklin, MA 01830          TEL (508) 628-8133 FAX (508) 628-8071</small></p>	IN: NEW SHOREHAM AT: COUNTY: WASHINGTON STATE: RI SHEET 3 OF 4    DATE: 9/22/03



