

Docko, Inc. *Serving the waterfront community since 1987*

P.O. Box 421, Mystic, CT 06355 (860) 572-8939 Fax: (860) 572-7569, email: office@docko.com

April 22, 2020

Mr. Micheal Grzywinski
CT DEEP/LWRD
79 Elm Street
Hartford, CT 06106

Re: License No. 201908317
Black Point Beach Club Association
As Built

Dear Mr. Grzywinski,

We are pleased to transmit, herewith, the "As Built" survey and detailed sections for the reconstruction project at the Black Point Beach Club Association middle groin in Niantic Bay. This project was built in substantial compliance with Permit No. 201908317.

There were two small deviations. Once related to pitch of the surface which was the subject of a visit by Mr. Kevin Zawoy. Instead of a flat or crowned pitch, the cross-section pitch of the concrete surface slopes uniformly from south to north for positive drainage and ice buildup minimization. Also, the longitudinal gradient of the groin was made uniformly level back to the CJL/HTL. These two, in combination, made one section of the concrete cap 2 inches higher than the elevation shown on the permit drawings from 50 to 100 feet west of the east end but the westerly 200 feet or so lower than the authorized height. It also resulted in a consistent cross slope with the south edge being higher than the north edge to facilitate drainage of over wash from breaking waves.

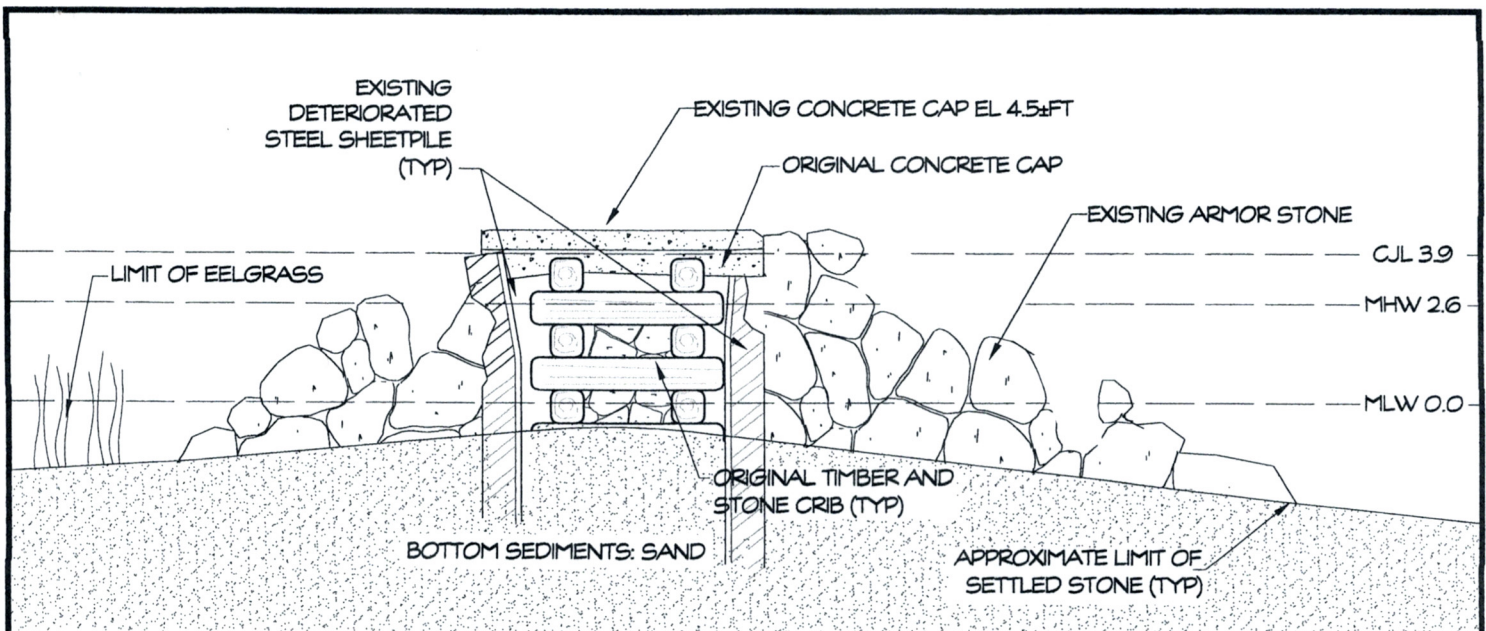
The second was a width deviation at Section DD where a subtle flare in the width of the cap was used to straighten out an irregularity in the cap. The straightening out made the cap several inches wider over the existing armor stone for a stretch of 20 to 30 feet right at Section DD but narrower for a similar distance to the west. This was an attempt to maintain a regular rate of increase in cap width, consistent with the permit, in order to avoid abrupt changes in width which would induce cracking. There was no increase in concrete quality attributable to this work and all of the adjustments were made over the concrete filled voids within footprint of the project and with no new encroachment.

The photos submitted with this project as status reports show some of the details of construction as work progressed. We trust that you find all of this information adequate to determine that this project is substantially in compliance with the permit and can be closed out. We respectfully request that a close out letter/email be issued to confirm this so that the Association may do the same.

Very Truly Yours,
Docko, Inc.

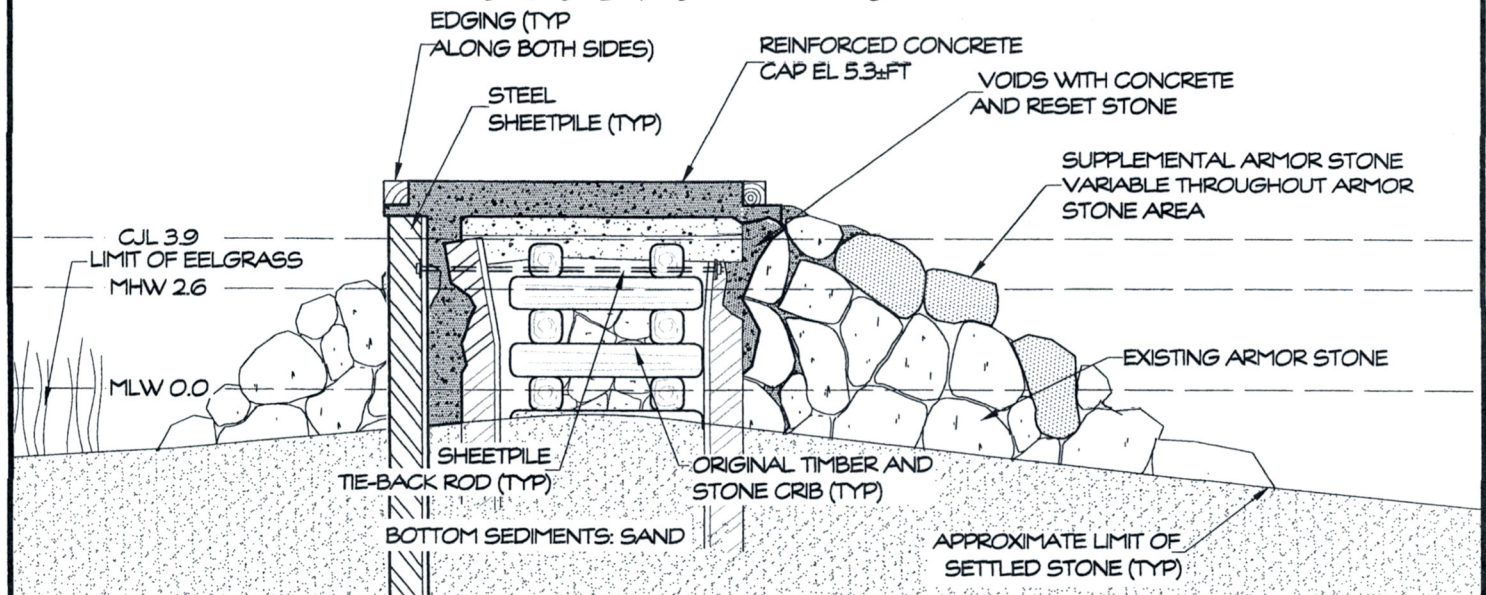
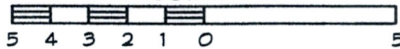

Keith B. Nielson, P.E.

KBN:cl
Attachment
CC: Ms. Diane Ray, US ACE
Mr. Steven Beauchene
Mr. William Mulholland, TOEL Zoning Official
File: 19-03-3010 BPBCA



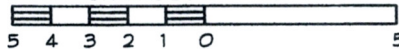
EXISTING GROIN SECTION A-A

GRAPHIC SCALE 1" = 5'



AS-BUILT SECTION A-A

GRAPHIC SCALE 1" = 5'



ELEVATIONS ARE BASED ON MEAN LOW WATER (MLW)

PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NANTIC BAY
DATE: JUNE 27, 2019

APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC

AGENT: SHEET 5 OF 9

DOCKO, INC.

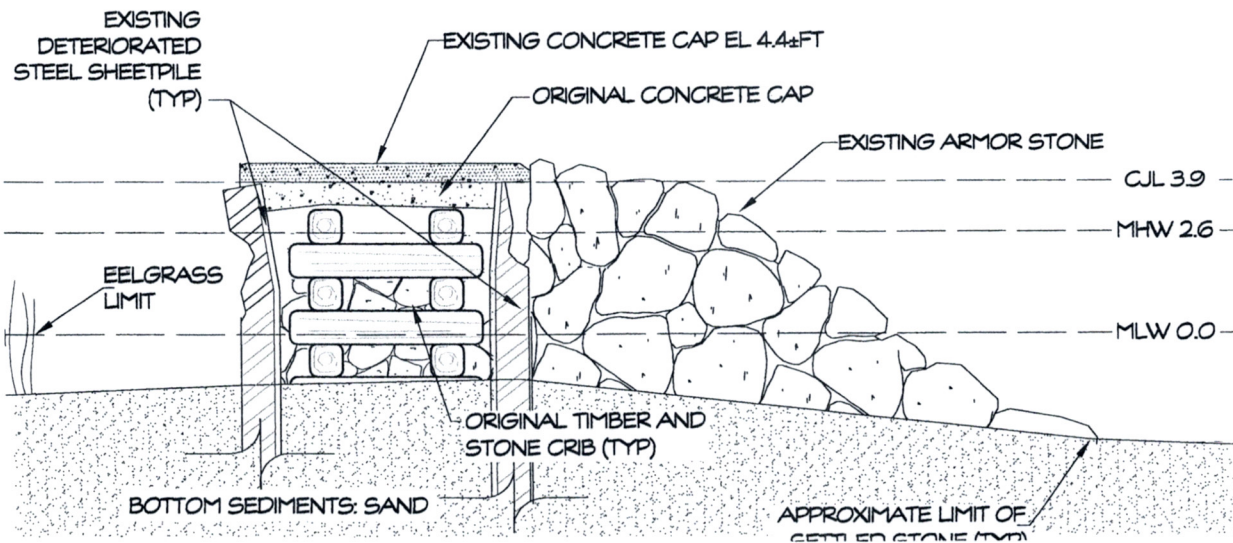
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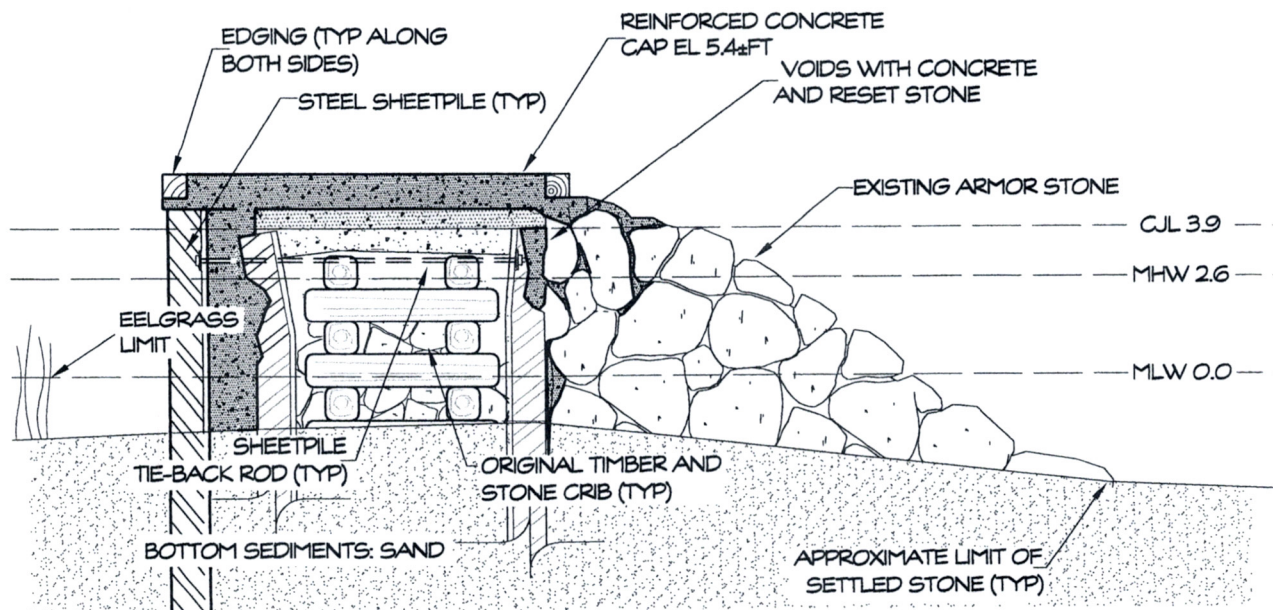
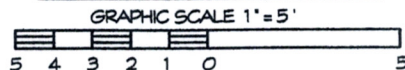
DWG 19-03-3010



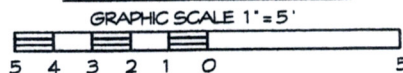
REVISED 7-19-19 DEEP
8-17-19 EELGRASS SURVEY
REVISED 8-21-19 DEEP
NEW SECTION
REVISED 3-27-20 DEEP
ASBUILT SECTION



**EXISTING GROIN
SECTION B-B**



**AS-BUILT
SECTION B-B**



REVISED 8-21-19 DEEP
NEW SECTION
REVISED 3-27-20 DEEP
ASBUILT SECTION

PROJECT: **GROIN RESTORATION**

LOCATION: **BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT**

WATERWAY: **NIANTIC BAY**
DATE: **JUNE 27, 2019**

APPLICANT: **BLACK POINT BEACH CLUB
ASSOCIATION, INC**

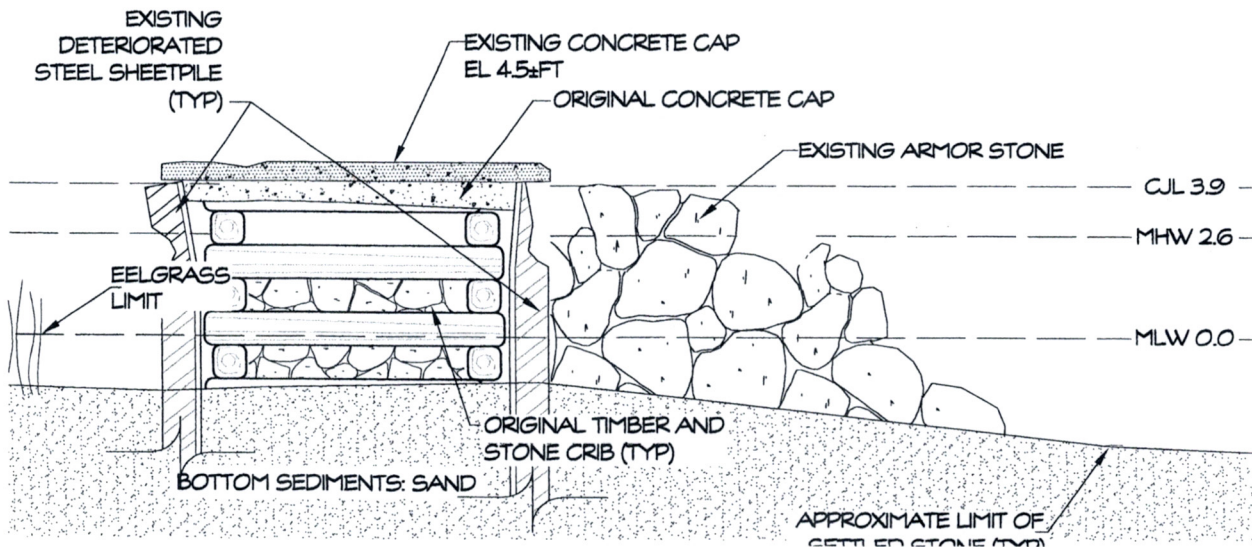
AGENT: **SHEET 6 OF 9**

DOCKO, INC.

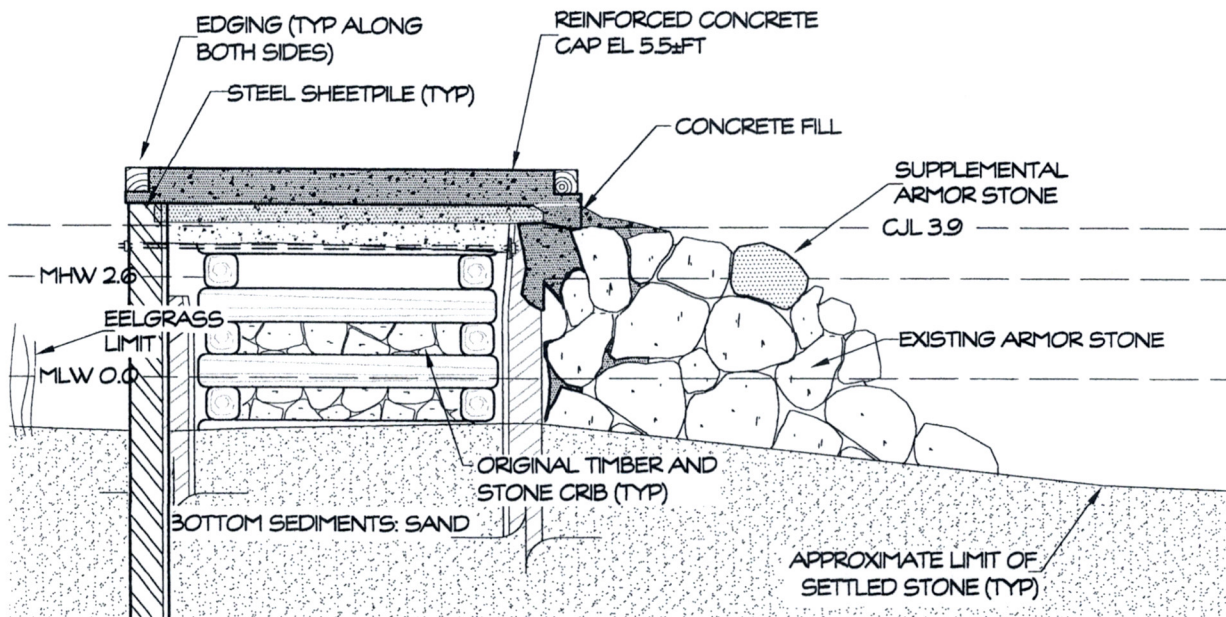
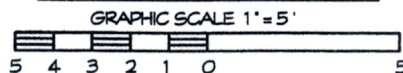
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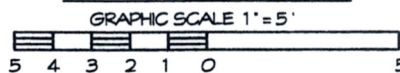
DWG 19-08-3010



**EXISTING GROIN
SECTION C-C**



**ASBUILT
SECTION C-C**



PROJECT: **GROIN RESTORATION**

LOCATION: **BLACK POINT - TOWN OF EAST LYME
NEW LONDON COUNTY, CONNECTICUT**

WATERWAY: **NIANTIC BAY**
DATE: **JUNE 27, 2019**
APPLICANT: **BLACK POINT BEACH CLUB
ASSOCIATION, INC**

AGENT: **SHEET 7 OF 9**

DOCKO, INC.

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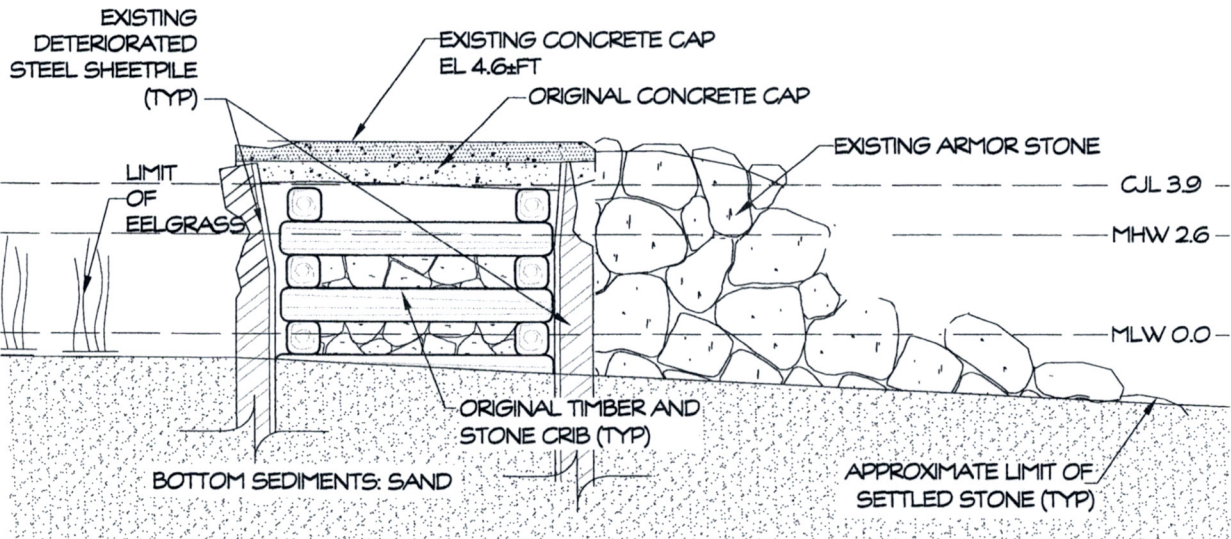


DWG 19-03-3010

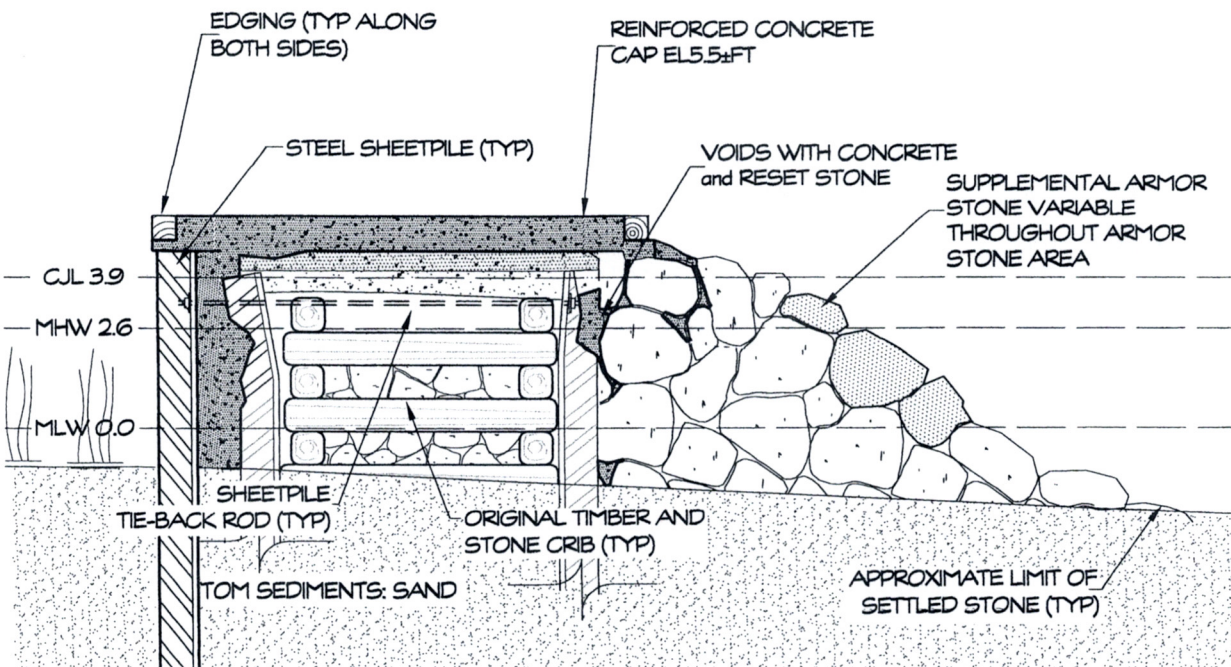
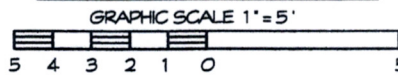


REVISED 8-21-19 DEEP
NEW SECTION

REVISED 3-27-20 DEEP
ASBUILT SECTION



EXISTING GROIN SECTION D-D



AS-BUILT SECTION D-D



PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NIANATIC BAY

DATE: JUNE 27, 2019

APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC

AGENT: SHEET 8 OF 9

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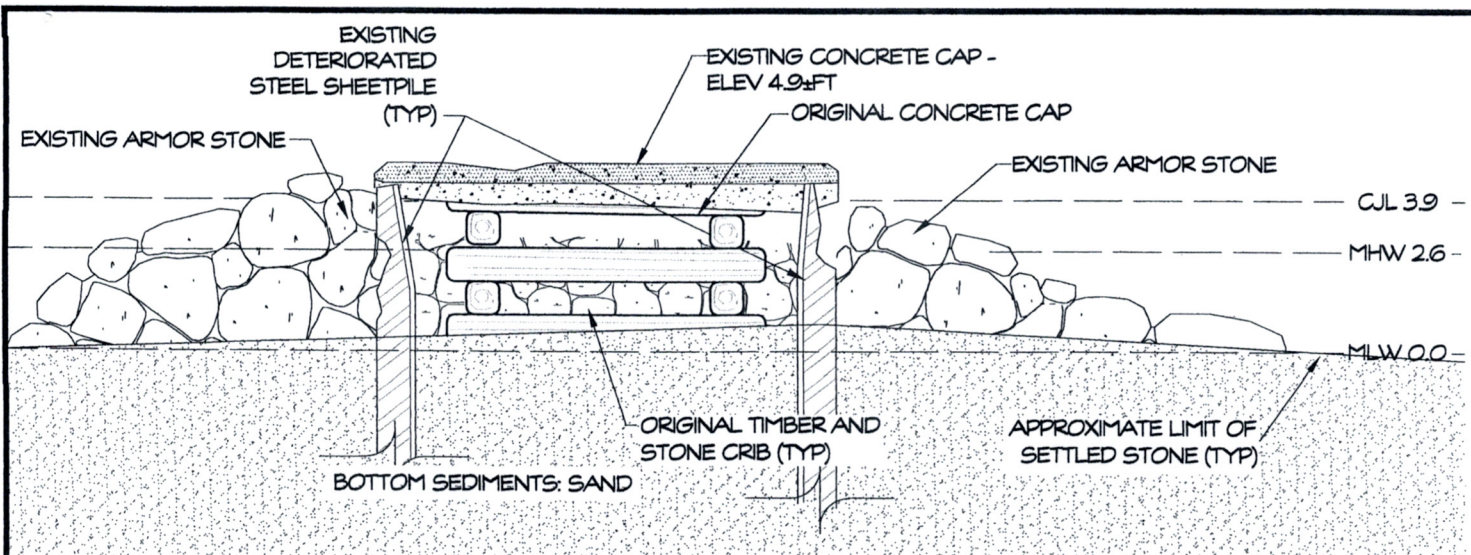
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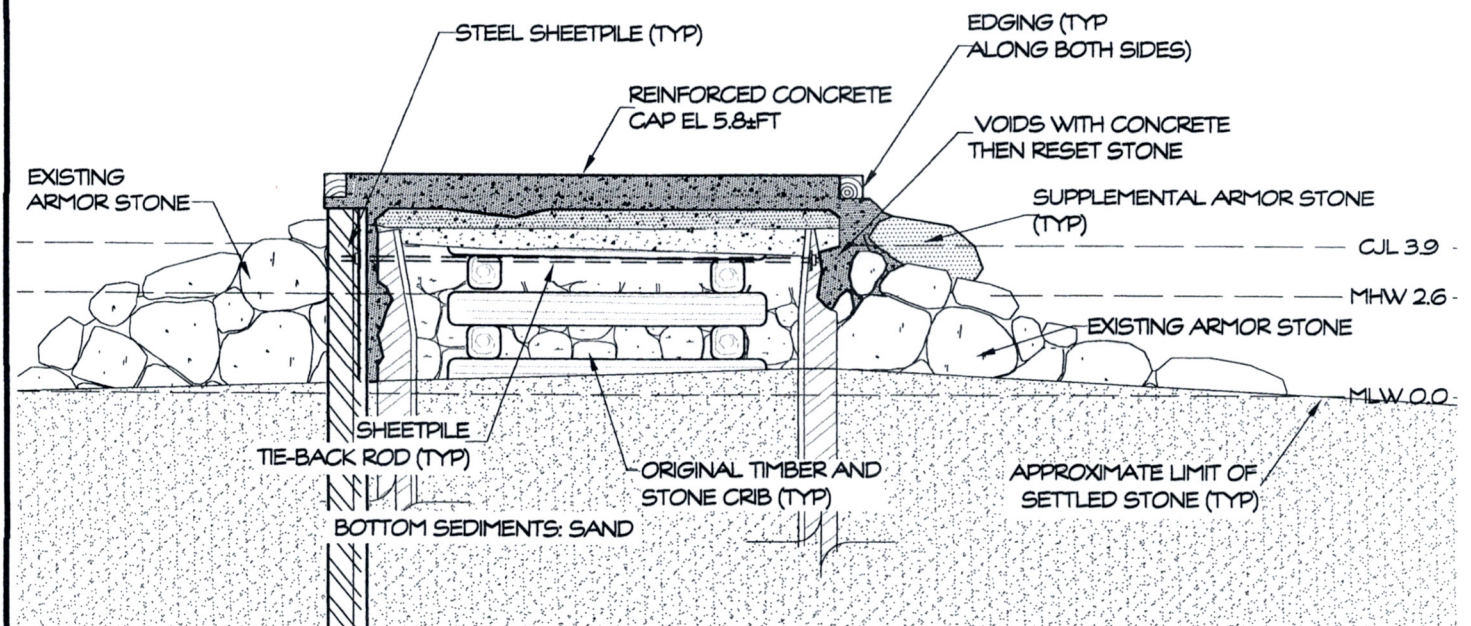
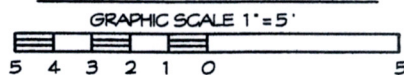
DWG 12-34-5678.??



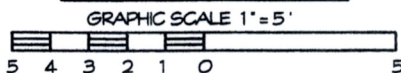
REVISED 8-21-19 DEEP
NEW SECTION
REVISED 3-30-20 DEEP
ASBUILT SECTION



**EXISTING GROIN
SECTION E-E**



**AS-BUILT
SECTION E-E**



REVISED 8-21-19 DEEP
NEW SECTION

REVISED 3-27-20 DEEP
AS-BUILT SECTION

PROJECT: **GROIN RESTORATION**

LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NIANCIC BAY
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APPLICANT: BLACK POINT BEACH CLUB
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AGENT: SHEET 9 OF 9

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DWG 19-08-3010