

ATTACHMENT P7

OLDER USCG FIRST DISTRICT CONSULTATION
MATERIALS: MCA 03/04/2019 LETTER

(SEE ATTACHMENT M11A, ABOVE, FOR ADDITIONAL
DETAIL)

From: [Bisignano, Christopher J CIV](#)
To: [Rima Laukaitis](#)
Cc: [Andrew, Shannon L LT](#)
Subject: RE: State Pier Improvements, New London, CT. NAE-2018-02161
Date: Wednesday, March 06, 2019 3:28:41 PM

Ms. Laukaitis,

Good afternoon.

The CG Bridge Program has no comments on this project as it will not fall under our program authorities.

Best regards,
Chris Bisignano

-----Original Message-----

From: Rima Laukaitis <rlauk@martinezcouch.com>
Sent: Wednesday, March 6, 2019 12:27 PM
To: Bisignano, Christopher J CIV <Christopher.J.Bisignano@uscg.mil>
Cc: Andrew, Shannon L LT <Shannon.L.Andrew@uscg.mil>; Garbolski, Michael <Michael.Garbolski@aecom.com>; Joseph.Salvatore@ct.gov; Ray, Diane M CIV USARMY CENAE (US) <Diane.M.Ray@usace.army.mil>; Richard E. Couch <recouch@martinezcouch.com>
Subject: [Non-DoD Source] State Pier Improvements, New London, CT. NAE-2018-02161

Good Morning Chris,

Connecticut Port Authority is proposing facility infrastructure repairs and improvements that would better position the facility to capture emerging East Coast shipping opportunities and accommodate some of the logistics in cargo flow in Connecticut.

The proposed design will be subject to the CTDEEP Structures, Dredging and Fill Permit CTDEEP Section 401 Water Quality Certification & USACE Section 404 Clean Water Act Permit USACE Section 10 Rivers & Harbors Act Permit.

Please review and advise if the First Coast Guard District has any concerns, comments, and/or conditions regards this proposal.

Feel free to contact us if you have any question or need more information.

Could you please let us know that you received this email with the information attached.

If necessary, we can mail you a hard copy or CD.

Thank you.

Rima Laukaitis, P.E.
Project Manager

MARTINEZ COUCH & ASSOCIATES, LLC
1084 Cromwell Avenue, Suite A-2
Rocky Hill, CT 06067
T: 860-436-4364
F: 860-436-4626
rlauk@martinezcouch.com
MartinezCouch.com

Site/Civil Engineering | Land Surveying | Wastewater Engineering Environmental Consulting | GIS | Construction Phase Services



1084 Cromwell Avenue, Suite A-2
Rocky Hill, CT 06067
Tel: 860-436-4364
Fax: 860-436-4626
www.martinezcouch.com



March 4, 2019

Attn: Chris Bisignano
Supervisory Bridge Management Specialist
First Coast Guard District (dpb)
Battery Bldg, Room 301
1 South Street
New York, NY 10004-1466
Ph: (212) 514-4331
christopher.j.bisignano@uscg.mil

Reference: State Pier Infrastructure Improvements, New London, CT
ACOE No: NAE-2018-02161

Mr. Bisignano,

Connecticut Port Authority is proposing facility infrastructure repairs and improvements that would better position the facility to capture emerging East Coast shipping opportunities and accommodate some of the logistics in cargo flow in Connecticut.

The proposed improvements in the upland area consist of the demolition of various site features and structures and preparation of the area for the daily operational use of the port. The proposed improvements in the waterward area consist of the demolition of four (4) berthing dolphins below the mudline; improvement and stabilization of the Northwest and Northeast Bulkheads; improvement of the CVRR Pier structure including raising the pier structure; placement of fill in the area between CVRR and State Piers; and vessel access improvement and expansion to the State Pier enlarged area.

A Structures, Dredging, & Fill and 401 Water Quality Certification permit application is being prepared for submittal to the Connecticut Department of Energy & Environmental Protection (DEEP) Land and Water Resources Division (LWRD) for impacts to coastal waters.

Please review the enclosed project information and provide your response relative to concerns regarding potential impacts.

Please let me know if you have any questions or require additional information to facilitate your review.

Regards,

Richard E. Couch, P.E.
LLC Member

A handwritten signature in blue ink that reads 'Richard E. Couch'.



1084 Cromwell Avenue, Suite A-2
Rocky Hill, CT 06067
Tel: 860-436-4364
Fax: 860-436-4626
www.martinezcouch.com



Martinez Couch & Associates, LLC

Phone: (860) 436-4364

Couchre@martinezcouch.com

Attachments: Figure 1 - Project Location Map

Figure 2 - Proposed Improvements to the State Pier

Figure 3 – Post Construction Rendering

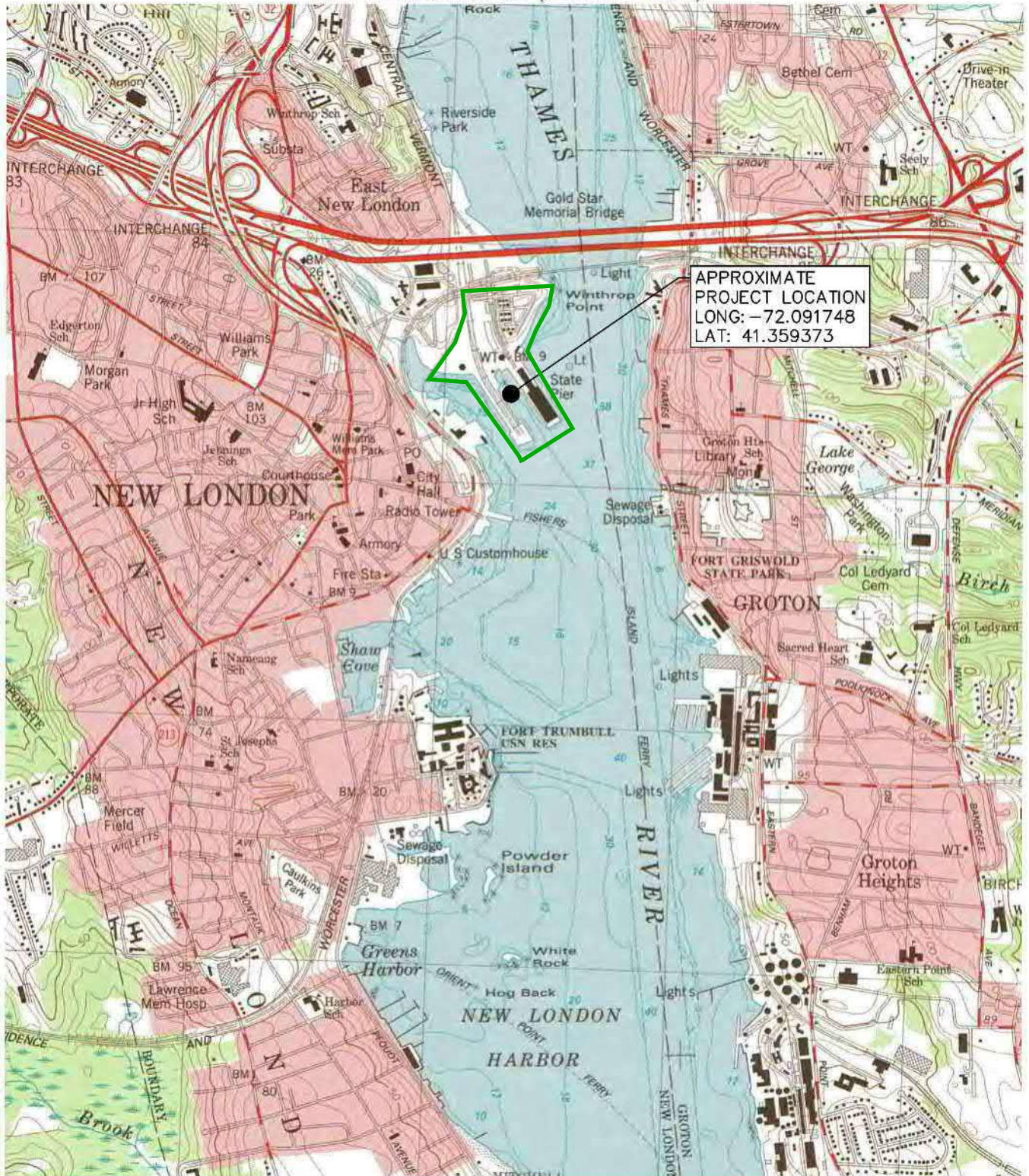
Nautical Chart Figure

Project Proposed Design Drawings

cc. Joseph R. Salvatore, Connecticut Port Authority
Michael Garbolski, AECOM

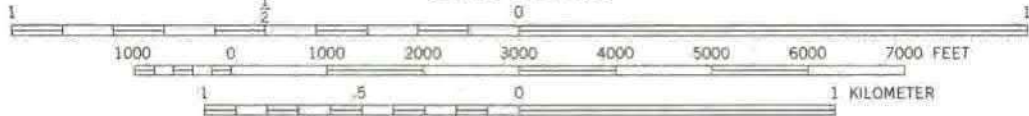
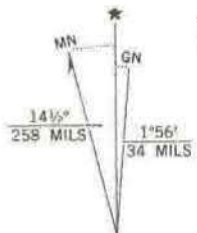
**FIGURE 1:
PROJECT LOCATION MAP**

**NEW LONDON QUADRANGLE
CONNECTICUT-NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHIC)**



APPROXIMATE
PROJECT LOCATION
LONG: -72.091748
LAT: 41.359373

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.6 FEET

NEW LONDON, CONN. - N. Y.
41072-C1-TF-024

1984

UTM GRID AND 1984 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

DMA 6566 I SE-SERIES V816

FIGURE 2: PROPOSED IMPROVEMENTS TO THE STATE PIER

Limits of upland disturbance

Installation of rip rap slope. Stabilization of the existing concrete / granite block wall. Placement of Rip Rap. Bottom horizontal run off of wall is +/- 30 ft (600 lf., 4,100 cy., 7200 SF footprint on mudline)

Demolition of the western face of CVRR Pier (1,000 sf.+/-). Removing semi stable vertical granite block wall to facilitate placement of armored slope.

Raising of CVRR Pier elevation from +5' to +9'. Installation of rip rap armored slope on the west side of CVRR Pier. 4H to 1V slope (54,000 cy.+/-). Footprint of slope will not exceed existing western extent of the CVRR Pier.

Seabed preparation for installation of vessel jack-up legs: (2) two 30 ft wide x 200 ft long x 3.5 feet deep, crushed gravel filled pockets. Dredging will be required +/- 1500 cy. Work will covers +/- 12,000 sf of land under the Ocean. This is to facilitate good bearing area for the installation vessel jack up legs.

Maintenance dredge of the berthing pocket for installation vessel (+/- 21,300 cy). Spoil material to be placed between piers.

Demolition of various site buildings and structures (68,000 sf.+/-). Installation of the storm water retention and treatment system. Leveling upland areas. Site utilities upgrade (water, electrical, fire suppression). Upland disturbance area approximately 25 ac.+/-

Demolition of the concrete deck supported by timber piles. (6,300 sf.+/-). Structure is currently rated in poor condition.

Installation of the anchored heavy lift capable bulkhead. Driving of steel sheet pile wall (700 lf. +/-). Bulkhead to be installed as close to the existing as

Maintenance dredge of the berthing pocket for incoming vessel (15,200 c.y +/-). Soil material to be placed between piers.

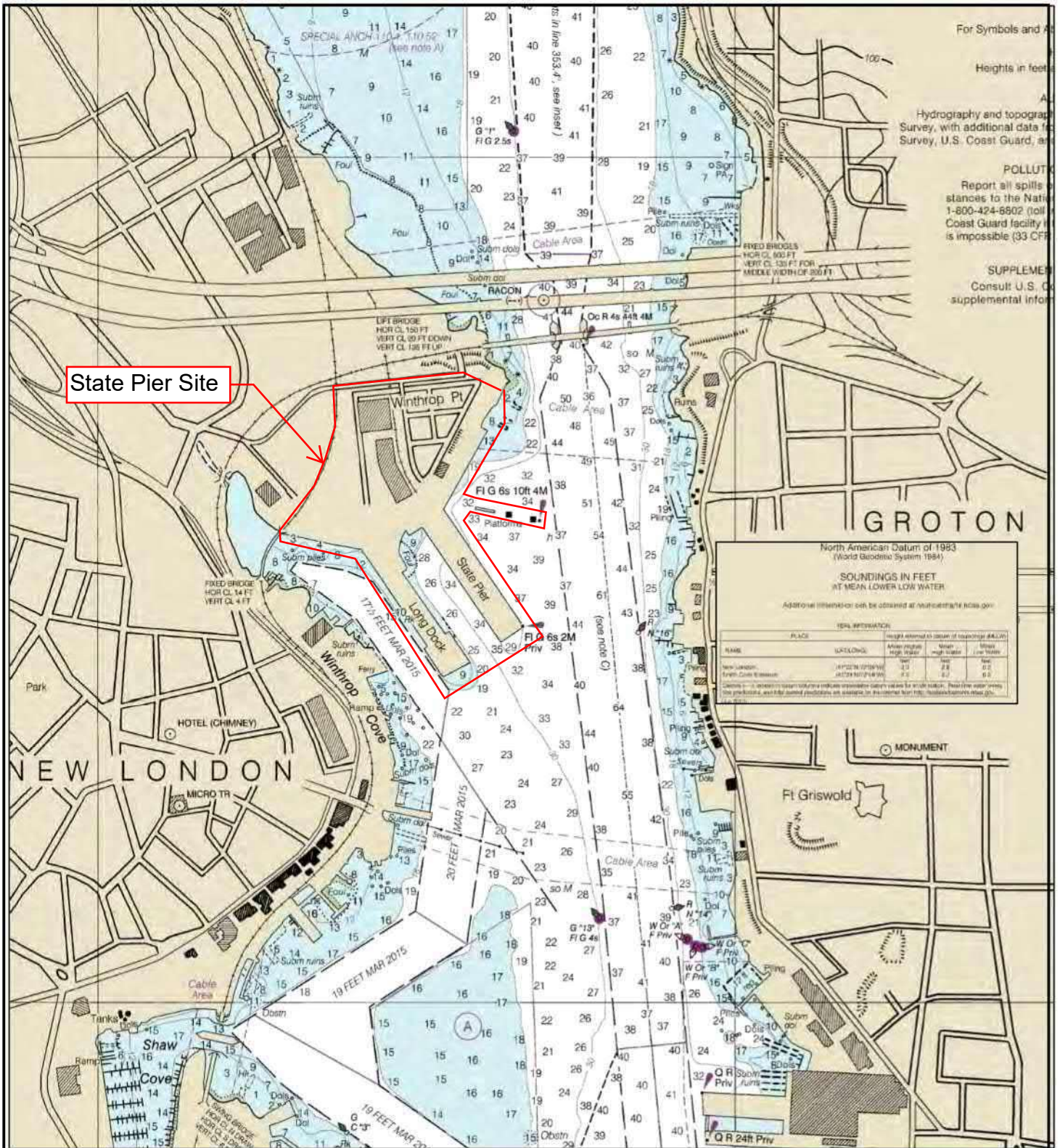
Demolition of four (4) existing berthing dolphins to below mudline. Structures currently not in use and rated in poor condition.

Demolition of SW corner of State Pier (3,500 sf.+/-) and demolition of SE corner CVRR Pier (4,000 sf.+/-). This required to facilitate the installation of the steel cellular cofferdams. Anticipated that +/- 390,000 cy of fill will required. Coverage of approximately 7 acres of the land under the Ocean. All dredged materials will be placed into this fill area. Leveling of upland site to provide approximately one half (185,000 cy) of the required fill material. Final elevation of the new fill to match State Pier deck elevation of +9.0 NAVD88

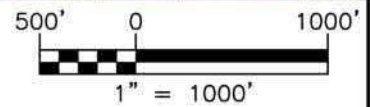


FIGURE 3: POST- CONSTRUCTION RENDERING





SOURCE: NOAA Nautical Chart 13213, United States – East Coast, Connecticut, New London Harbor.

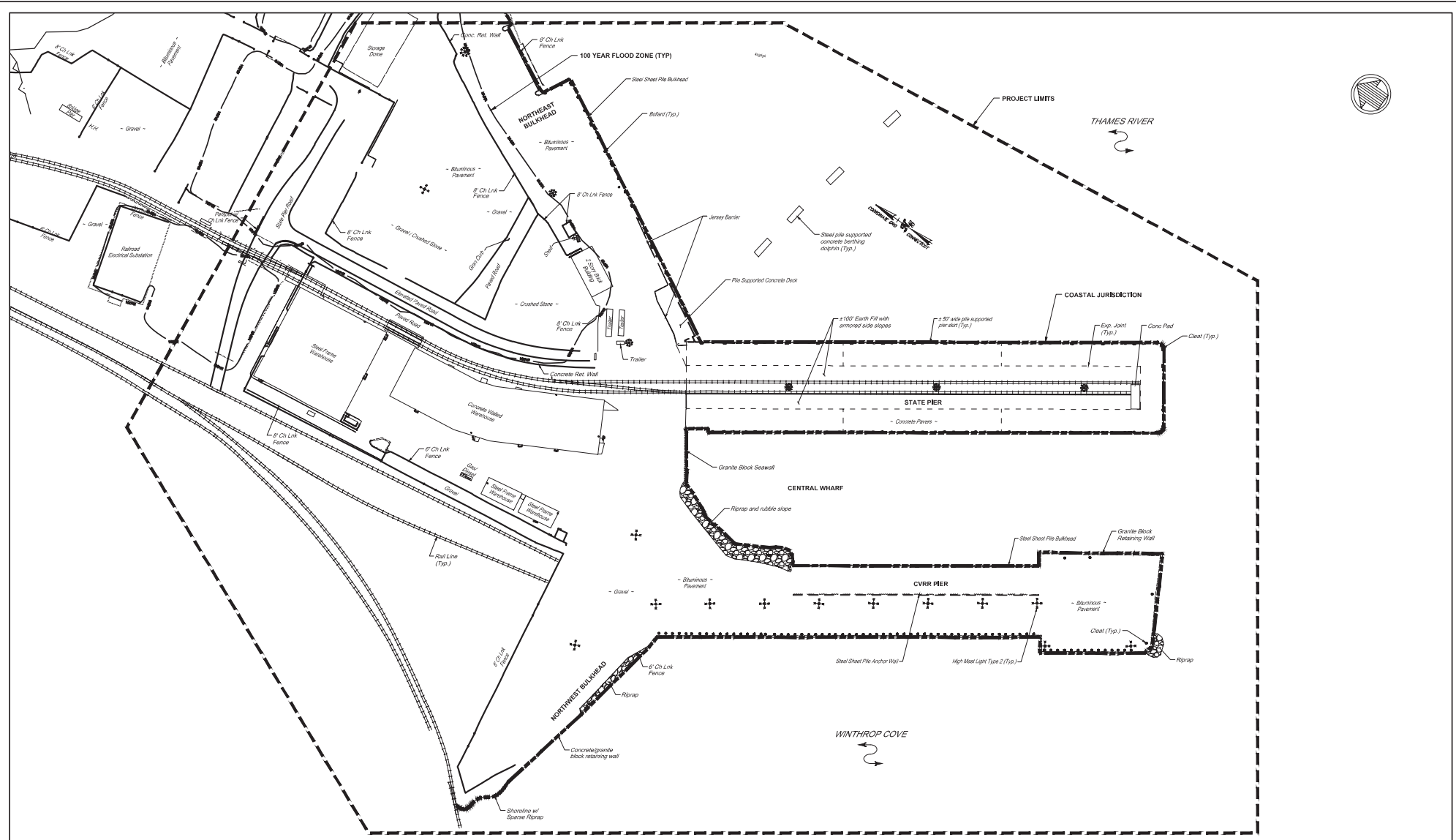


State Pier
200 State Pier Road
New London,
CONNECTICUT 06320



PROJECT NO.	2017-216
FIGURE	NAUTICAL CHART
SCALE	1"=1000'
DATE	2019-03-04

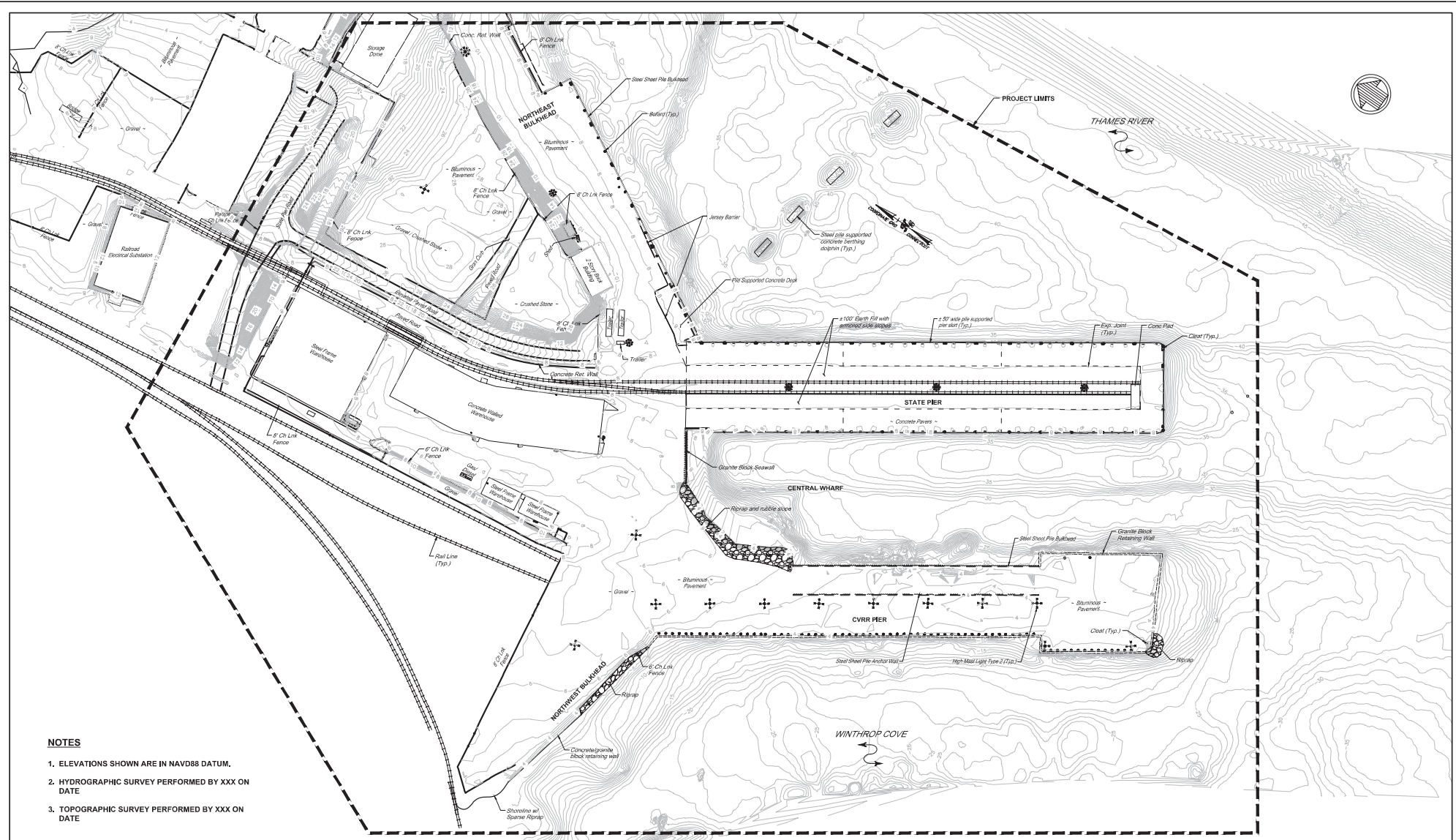
D:\P\IN\02 - \Projects\0219 - 01 - Grand New London\Concept Study\CAD\Worksheets\1\10219101-SP-Laying_Mark_4_2019 - 10-04_Alt_TLUSTON_C\MOFATT_AND_NICHOL



**EXISTING CONDITIONS
NEW LONDON, CONNECTICUT**



D:\P\IN\Projects\BOS\Projects\10719-01\Gravel New London\Concept Study\CAD\Worksheets\1A\1071901-SP-11\Topo\Hydro\Topo March 4, 2019 - 12:57 PM.TALSTON: (C) MORTATT AND NICHOL



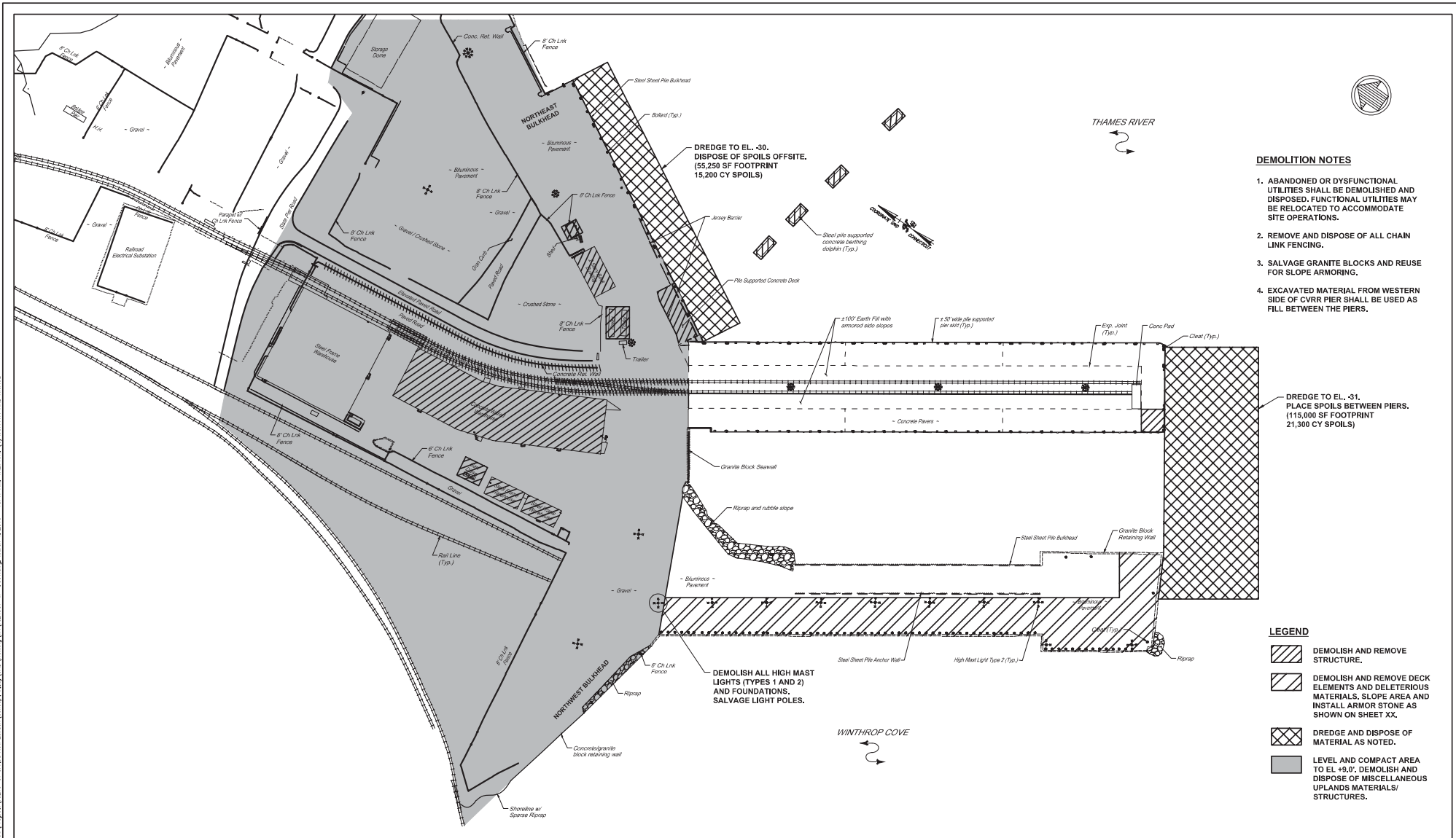
NOTES

- 1. ELEVATIONS SHOWN ARE IN NAVD88 DATUM.
- 2. HYDROGRAPHIC SURVEY PERFORMED BY XXX ON DATE
- 3. TOPOGRAPHIC SURVEY PERFORMED BY XXX ON DATE

**EXISTING TOPOGRAPHIC AND HYDROGRAPHIC CONDITIONS
NEW LONDON, CONNECTICUT**







D:\P\INFC:\Projects\BUS\Projects\10219-01\Delred New London\Concrete Slab\10219-01\10219-01.dwg March 4, 2019 - 10:47 AM TALESTON; (C) MOFFATT AND NOBLE



DEMOLITION NOTES

1. ABANDONED OR DYSFUNCTIONAL UTILITIES SHALL BE DEMOLISHED AND DISPOSED. FUNCTIONAL UTILITIES MAY BE RELOCATED TO ACCOMMODATE SITE OPERATIONS.
2. REMOVE AND DISPOSE OF ALL CHAIN LINK FENCING.
3. SALVAGE GRANITE BLOCKS AND REUSE FOR SLOPE ARMORING.
4. EXCAVATED MATERIAL FROM WESTERN SIDE OF CVRR PIER SHALL BE USED AS FILL BETWEEN THE PIERS.

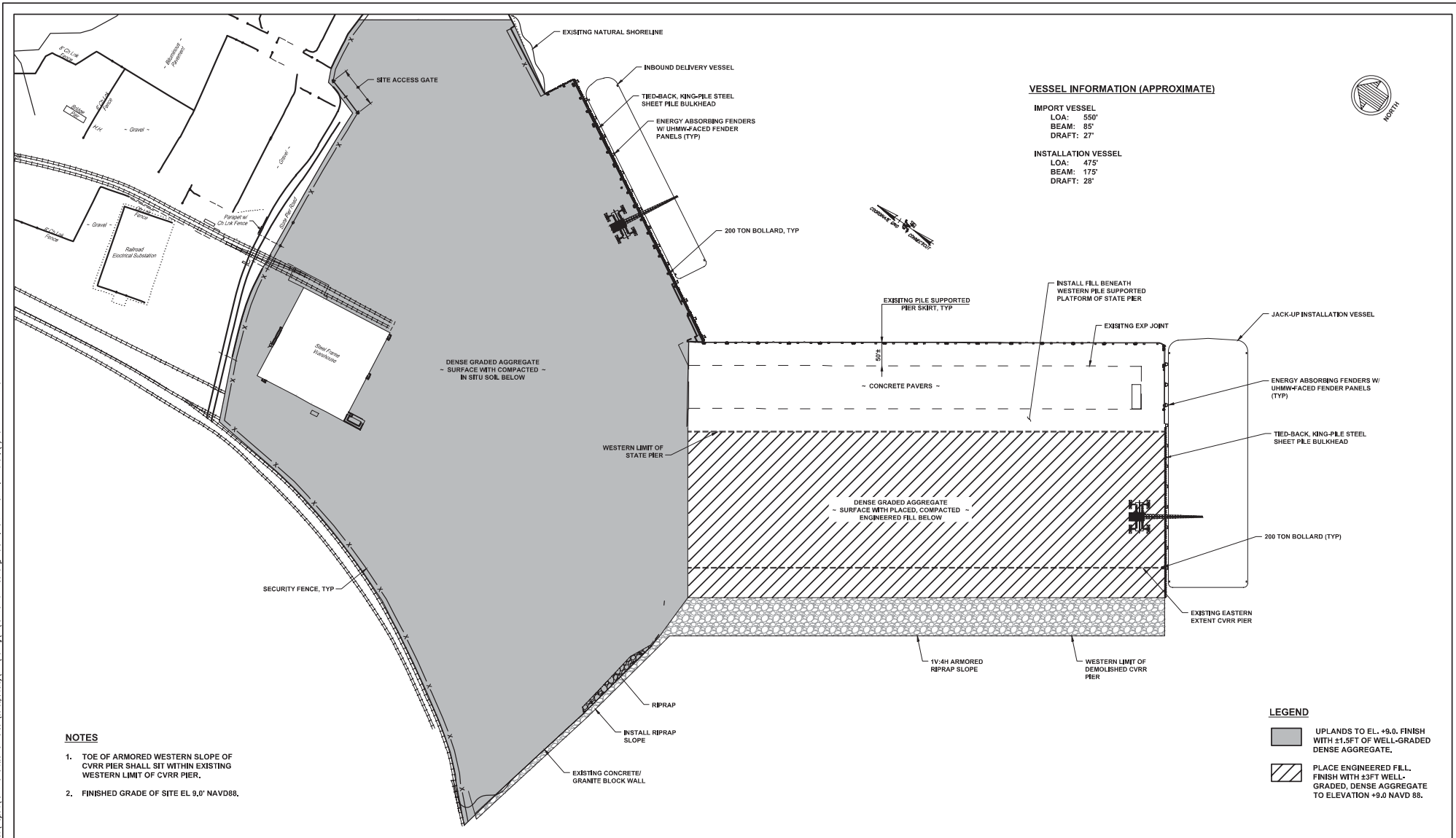
LEGEND

-  DEMOLISH AND REMOVE STRUCTURE.
-  DEMOLISH AND REMOVE DECK ELEMENTS AND DELETERIOUS MATERIALS, SLOPE AREA AND INSTALL ARMOR STONE AS SHOWN ON SHEET XX.
-  DREDGE AND DISPOSE OF MATERIAL AS NOTED.
-  LEVEL AND COMPACT AREA TO EL. +3.0; DEMOLISH AND DISPOSE OF MISCELLANEOUS UPLANDS MATERIALS/ STRUCTURES.

**DEMOLITION AND REMOVALS PLAN
NEW LONDON, CONNECTICUT**



D:\P\INTC\Projects\BOS\Projects\1019-01_Created New London_Concept Study\CAD\Worksheets\1A\102101-SP-1001.dwg, March 4, 2019 - 7:59 AM, TALEITHA, (C) MORFITT AND MOYER



VESSEL INFORMATION (APPROXIMATE)

IMPORT VESSEL
 LOA: 550'
 BEAM: 85'
 DRAFT: 27'

INSTALLATION VESSEL
 LOA: 475'
 BEAM: 175'
 DRAFT: 28'



NOTES

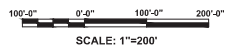
1. TOE OF ARMORED WESTERN SLOPE OF CVRR PIER SHALL SIT WITHIN EXISTING WESTERN LIMIT OF CVRR PIER.
2. FINISHED GRADE OF SITE EL 9.0' NAVD88.

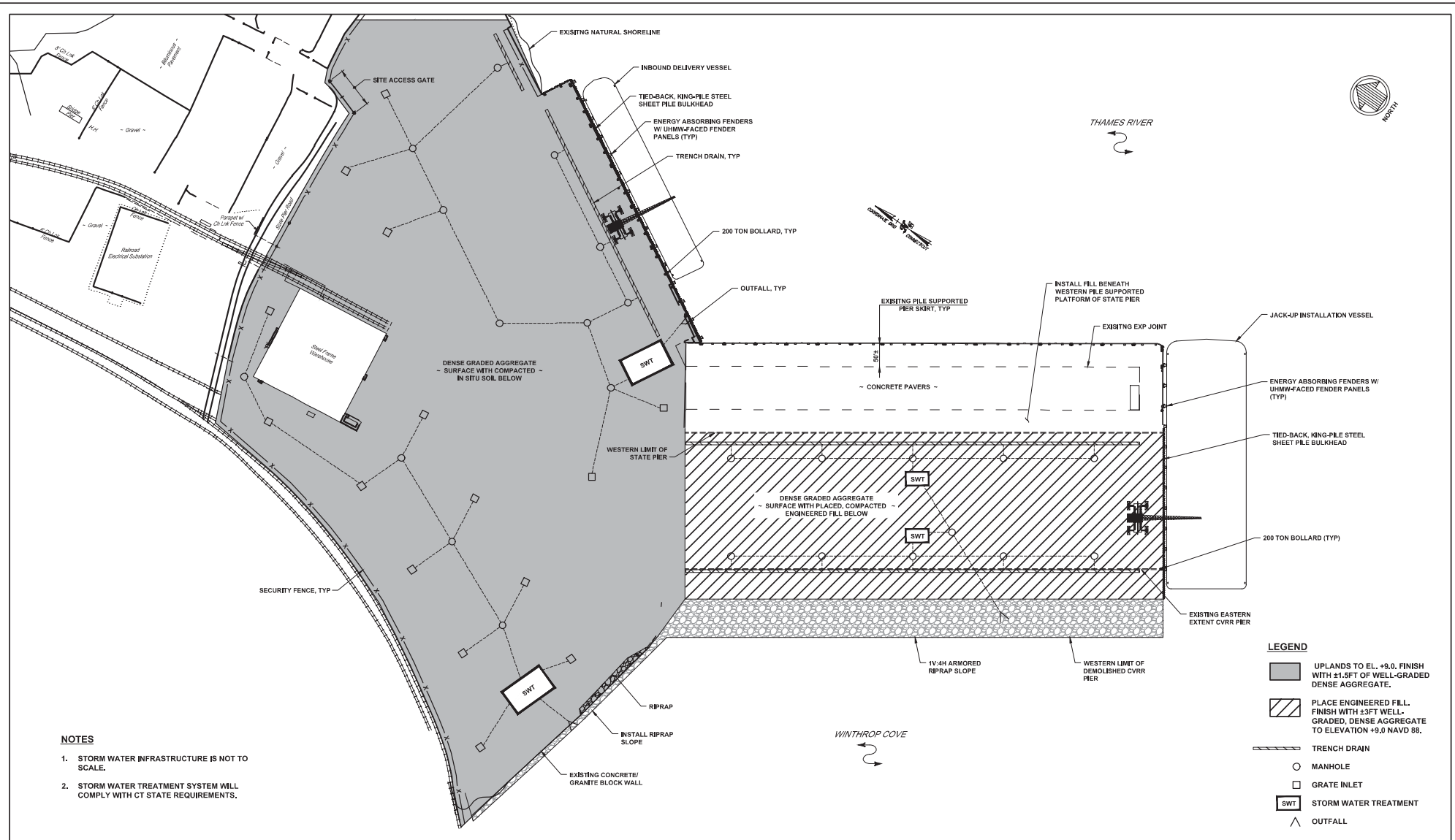
LEGEND

- UPLANDS TO EL. +9.0. FINISH WITH ±1.5FT OF WELL-GRADED DENSE AGGREGATE.
- PLACE ENGINEERED FILL. FINISH WITH ±3FT WELL-GRADED, DENSE AGGREGATE TO ELEVATION +9.0 NAVD 88.



**PROPOSED PLAN
 NEW LONDON, CONNECTICUT**





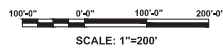
- NOTES**
1. STORM WATER INFRASTRUCTURE IS NOT TO SCALE.
 2. STORM WATER TREATMENT SYSTEM WILL COMPLY WITH CT STATE REQUIREMENTS.

LEGEND

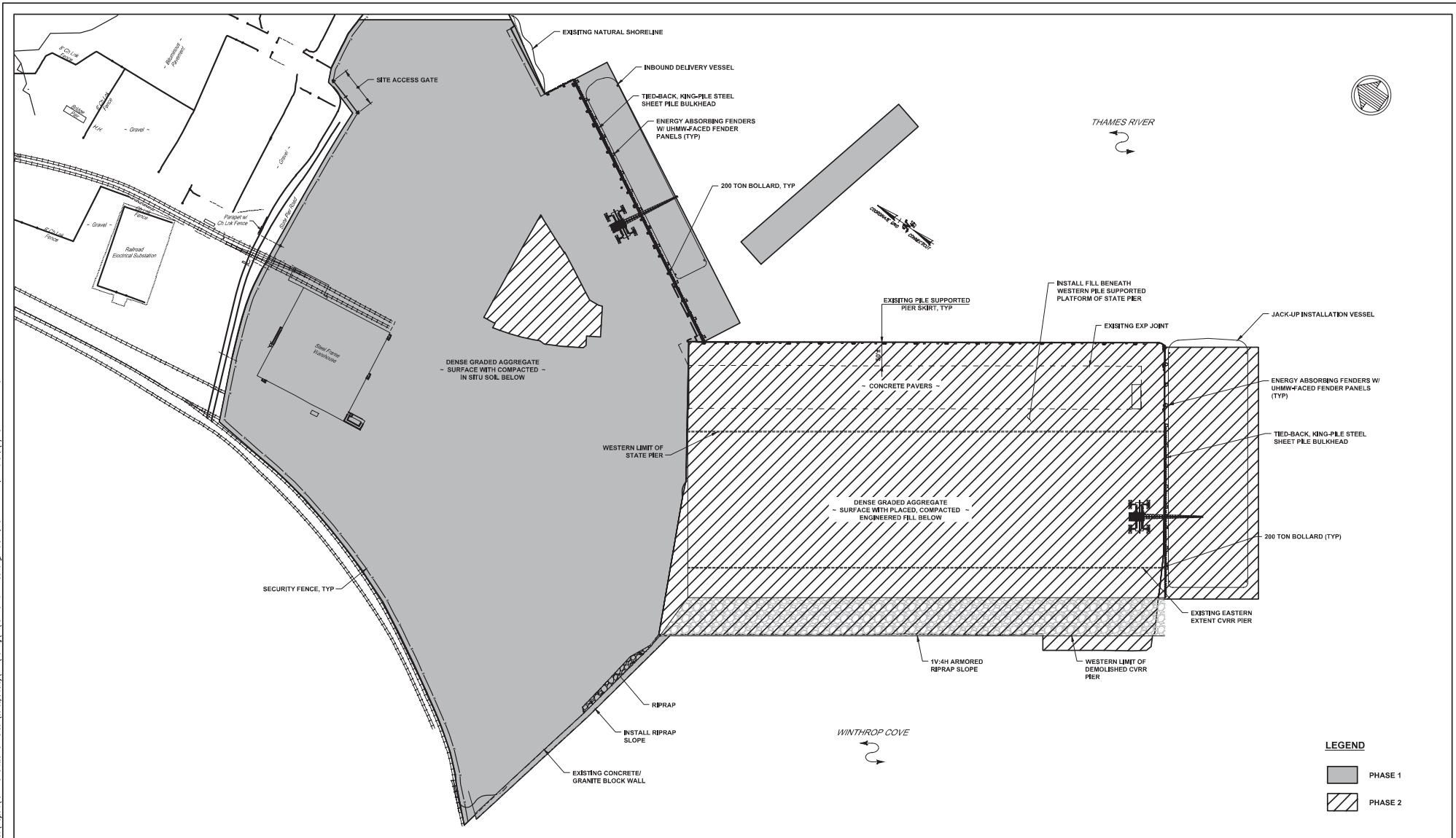
	UPLANDS TO EL. +9.0. FINISH WITH ±1.5FT OF WELL-GRADED DENSE AGGREGATE.
	PLACE ENGINEERED FILL. FINISH WITH ±3FT WELL-GRADED, DENSE AGGREGATE TO ELEVATION +9.0 NAVD 88.
	TRENCH DRAIN
	MANHOLE
	GRATE INLET
	STORM WATER TREATMENT
	OUTFALL



**CIVIL PLAN
NEW LONDON, CONNECTICUT**



D:\P\INTC\Projects\WSP\Projects\10719-01_Created New London\Concept Study\CAD\Worksheets\1A\1071901-SP-INTC.dwg, March 4, 2019 - 1:14 PM, TALSTON, (C) MODFAT AND NORDL

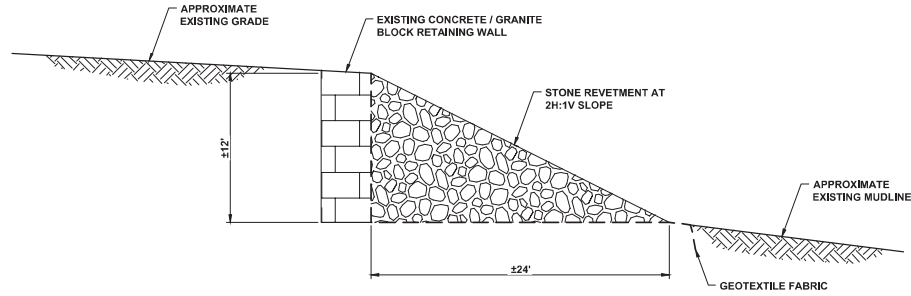


**PHASING PLAN
NEW LONDON, CONNECTICUT**

D:\PROJECTS\10219-01 (Newport New London) (Concept Study) CAD\Working\TA\1021901-SC-Sub\Drawg March 1, 2019 - 11:45 AM - WESTMABLE (C) MOFFATT AND MOCHL

NOTES:

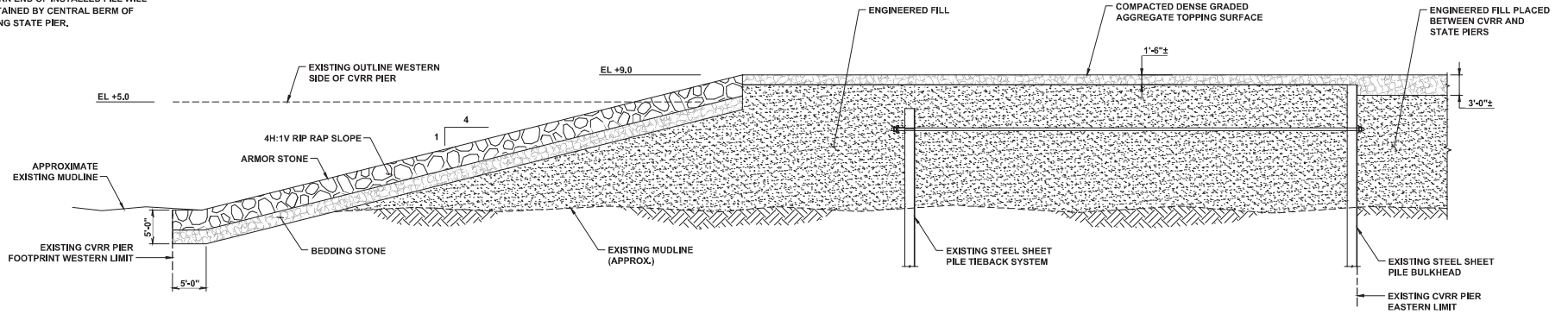
- 1. RIP RAP SLOPE PROVIDES STABILIZATION OF 600LF OF EXISTING RETAINING WALL.
- 2. 3200CY RIP RAP.
- 3. 14400 SF MUDLINE FOOTPRINT.



PROPOSED NORTHWEST BULKHEAD SECTION

NOTES:

- 1. TOE OF ARMORED SLOPE WILL NOT EXCEED EXISTING WESTERN EXTENT OF CVRR PIER FOOTPRINT.
- 2. 4H:1V SLOPE WILL RETAIN WESTERN END OF FILL TO BE INSTALLED BETWEEN CVRR AND STATE PIERS.
- 3. EASTERN END OF INSTALLED FILL WILL BE RETAINED BY CENTRAL BERM OF EXISTING STATE PIER.



PROPOSED CVRR PIER SECTION