



**US Army Corps  
of Engineers**®  
New England District  
696 Virginia Road  
Concord, MA 01742-2751

# 15-DAY PUBLIC NOTICE

**Comment Period Begins: July 30, 2013**  
**Comment Period Ends: August 15, 2013**  
**File Number: NAE-1994-340**  
**In Reply Refer To: Ms. Diane M. Ray**  
**Phone: (978) 318-8831**  
**E-mail: [diane.m.ray@usace.army.mil](mailto:diane.m.ray@usace.army.mil)**

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The District Engineer has received a permit application to conduct work in waters of the United States as described below.

**APPLICANT: U. S. Coast Guard Academy**

**ACTIVITY: Removal of existing failed pile and timber piers, replacement in same location with steel and concrete piers as well as maintenance dredging at pier locations and in channel leading to the river, new dredging around basin with disposal of dredged material at the Central Long Island Sound Disposal Site.** A detailed description and plans of the activity are attached.

## **WATERWAY AND LOCATION OF THE PROPOSED WORK**

This work is proposed in the Connecticut River off property located at 15 Mohegan Avenue, New London, Connecticut. The site coordinates are: Latitude 41.37311, Longitude -72.09623.

## **AUTHORITY**

Permits are required pursuant to:

Section 10 of the Rivers and Harbors Act of 1899, Section 404 of the Clean Water Act and Section 103 of the Marine Protection, Research and Sanctuaries Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

**CENAE-R**  
**FILE NO. NAE-1994-340**

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

**ESSENTIAL FISH HABITAT**

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

The dredging portion of this project will impact approximately 4 acres of Essential Fish Habitat (EFH) for the attached list of species and their life stages. The replacement of the two piers will impact approximately 2.37 acres of EFH for the attached list of species and their life stages. Habitat at this site can be described as silt, sand and gravel. Loss of this habitat may adversely affect any of the attached list of species. However the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision. The removal of existing piles from approximately 2.04 acres of EFH will result in a beneficial effect.

The dredged material disposal is proposed for Central Long Island Sound Disposal Site (CLIS). CLIS is an open water disposal sites, which provide Essential Fish Habitat for the attached list of species and their life stages. Habitat at CLIS can be described as sand and silt. Loss of this habitat may adversely affect any of the species listed on the attached sheets. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

**NATIONAL HISTORIC PRESERVATION ACT**

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

**ENDANGERED SPECIES CONSULTATION**

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat provided we incorporate a special condition to any permit issued restricting dredging operations during sensitive time for any listed species or their habitat as directly by National Marine Fisheries Service.. By this Public Notice, we are requesting that National Marine Fisheries Service concur with our determination and provide us with appropriate conservation recommendations.

The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and New York have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been obtained:

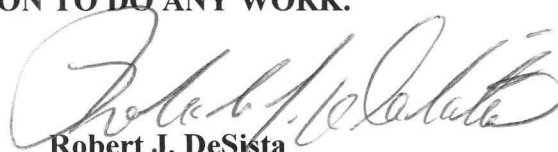
- (X) Permit, License or Assent from State.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Ms. Diane M. Ray at 978-318-8831, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

**THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.**



**Robert J. DeSista**  
**Chief, Permits and Enforcement Branch**  
**Regulatory Division**

**CENAE-R**  
**FILE NO. NAE-1994-340**

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at [bettina.m.chaisson@usace.army.mil](mailto:bettina.m.chaisson@usace.army.mil). You may also check here ( ) and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
PHONE: \_\_\_\_\_

**PROPOSED WORK AND PURPOSE:**

The proposal includes work as described on the attached plans entitled, "USCG Academy, New London, Connecticut, New London, Concept Drawings for Project Proposal (PPR), Construct New Pier (USCG Barque Eagle Pier)" in fourteen (14) sheets, dated, "January 2012" and "Central Long Island Sound Disposal Site", each on one sheet, not dated.

The proposed work is described as follows:

1. Remove an existing 630' x 24' failed wooden pile-supported main pier used as a berthing location for the USCG Barque Eagle as well as the USCG Morrow and other vessels;
2. Remove an existing 405' x 12' failed auxiliary pier which is attached to the main pier;
3. All pilings, decking and the rail overpass have been deemed non-hazardous material and will be removed and disposed of at Construction and Demolition Debris at an approved upland disposal site.
4. Main Pier - construct and maintain a new concrete-filled steel pile-supported pier and floating dock in the same approximately footprint and with the same approximately orientation but will be two feet higher and two feet wider than the existing structure
5. Auxiliary Pier – this new pier will extend from the south side of the main pier and will provide space for the boat house which is currently located on the main pier and will provide docking space for smaller vessels. The reconstruction of this pier will greatly improve emergency vehicle access to the waterfront areas. The new auxiliary pier will have dimensions of approximately 405' x 12'.
6. Dredge a total of approximately 176,017 square feet (4 acres). Proposed dredging depth will be approximately -20.0' mean low water around the two piers and -12.0' mean low water in the narrow channel leading to the Federal navigation channel. A total of approximately 20,000 cubic yards of silt, sand and gravel will be dredged mechanically and disposed of at the Central Long Island Sound Disposal Site.

***Dredged Material Disposal Mitigation Discussion:***

The alternatives considered in the dredged material disposal analysis fall into four general categories: beneficial use, upland disposal, confined disposal, and open-water disposal. The feasibility of disposal alternatives was analyzed relative to the physical and chemical quality of the dredged material, the volume of material to be dredged, the availability of suitable disposal and beneficial use sites, and the cost of disposal.

Based on the characteristics of the dredged material, the lack of suitable alternate disposal or beneficial use sites and costs, the most feasible, practical, cost-effective and environmentally acceptable alternative for the disposal of dredged materials from the proposed dredging is disposal at the requested disposal site.

The dredged material has undergone physical, chemical, and/or biological analysis. It is our preliminary determination that the material is acceptable for disposal at this disposal site.

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Any permit issued for this project will include special conditions requiring scows to come to a complete stop when disposing of the material at the disposal site. There will also be a time of year restriction included as a special condition which prohibits dredging during ecologically sensitive times of years.

**Central Long Island Sound Disposal Site**

The Central Long Island Sound Disposal Site is frequently used for disposal of bottom sediments from various harbors along the eastern New York, northern Long Island, and central and western Connecticut coasts. An average of approximately 400,000 cubic yards of suitable sediments (suitability determined through case-by-case analyses) has been deposited at this site annually. The site has been monitored through the Corps' Disposal Area Monitoring System (DAMOS) program. DAMOS studies show that the site is a low energy environment such that sediment deposited at this location will remain within the site's boundaries. Levels of metals and organics in the sediments within the disposal site are generally above background levels, indicative of the industrial nature of the areas dredged that utilize the site. Areas outside the disposal site have not been found to be affected by sediment deposited within the site.

## Summary of Essential Fish Habitat (EFH) Designation

**10' x 10' Square Coordinates:**

Boundary	North	East	South	West
Coordinate	41° 30.0' N	72° 00.0' W	41° 20.0' N	72° 10.0' W

**Square Description (i.e. habitat, landmarks, coastline markers):** The waters within the square within the Connecticut River estuary affecting the following: within New London Harbor from Long Island Sound on the south, north up to just north of Smith Cove within the Thames River. These waters affect the following: Greens Harbor, Hog Back, White Rock, Melton Ledge, Groton, CT., and New London CT., Winthrop Pt., Jacobs Rock, Bailey Pt., Mamacoke River, and Harrison, CT. Also, the waters within this square are found within the Poquonock River north of the Groton – New London Airport, and affect waters within northern Jordan Cove, Jordan Brook, and North Wing Brook, near Jordan CT.

Species	Eggs	Larvae	Juveniles	Adults
Atlantic salmon ( <i>Salmo salar</i> )			X	X
pollock ( <i>Pollachius virens</i> )			X	X
red hake ( <i>Urophycis chuss</i> )	X	X	X	X
windowpane flounder ( <i>Scophthalmus aquosus</i> )	X	X	X	X
Atlantic sea herring ( <i>Clupea harengus</i> )			X	X
monkfish ( <i>Lophius americanus</i> )				X
bluefish ( <i>Pomatomus saltatrix</i> )			X	X
king mackerel ( <i>Scomberomorus cavalla</i> )	X	X	X	X
Spanish mackerel ( <i>Scomberomorus maculatus</i> )	X	X	X	X
cobia ( <i>Rachycentron canadum</i> )	X	X	X	X
sand tiger shark ( <i>Odontaspis taurus</i> )		X		

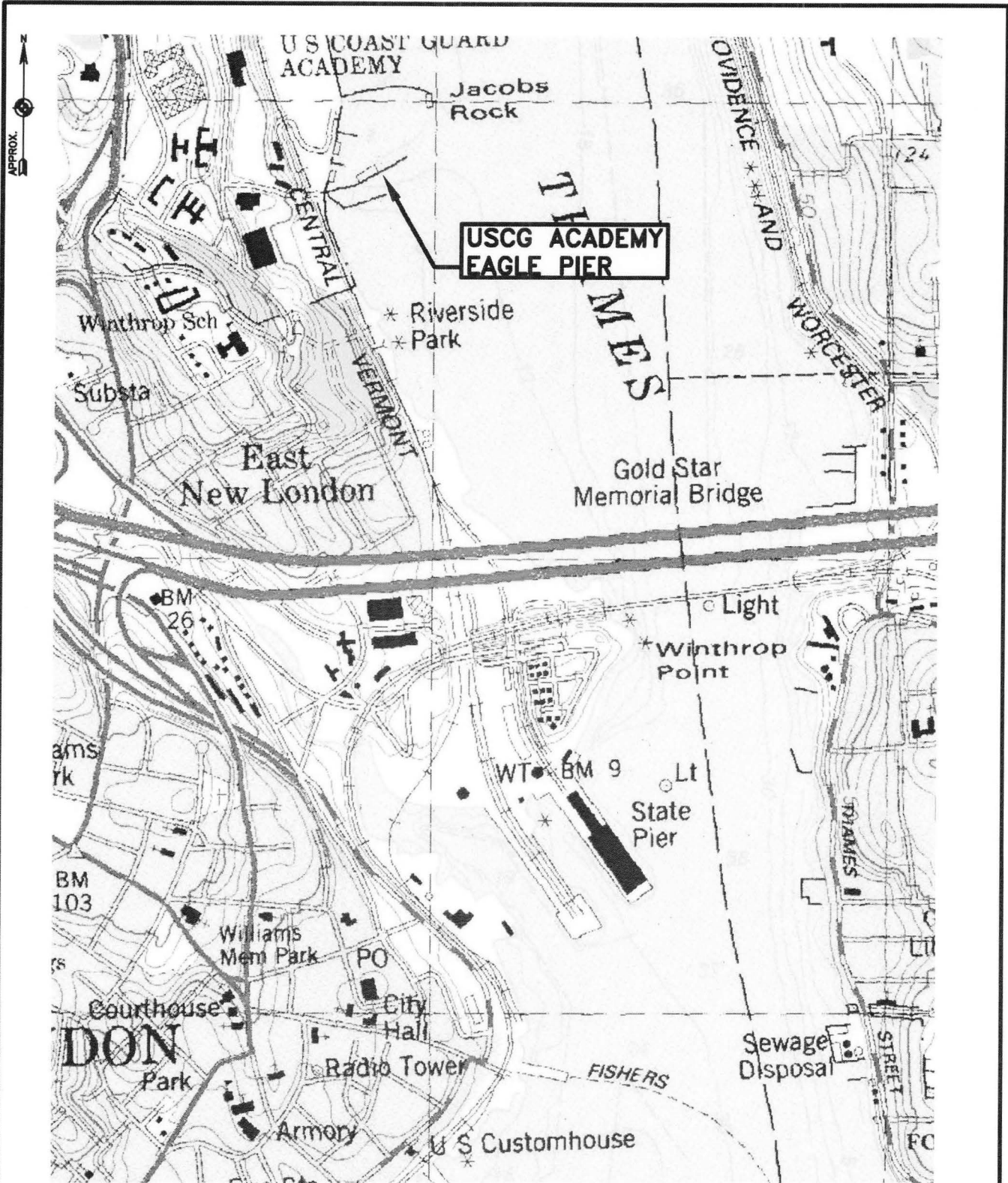
**Summary of Essential Fish Habitat (EFH) Designation  
10 x 10 Square Coordinates: Central Long Island Sound Disposal Site**

Boundary	North	East	South	West
Coordinate	41° 10.0' N	72° 50.0' W	41° 00.0' N	73° 00.0' W

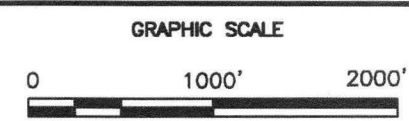
**Square Description (i.e. habitat, landmarks, coastline markers):** Atlantic Ocean waters within the square within Long Island Sound affecting the following: one square south of the waters within the square south of New Haven, CT. In this square there is a dumping ground on the northeast corner.

Species	Eggs	Larvae	Juveniles	Adults
Atlantic salmon ( <i>Salmo salar</i> )			X	X
pollock ( <i>Pollachius virens</i> )			X	X
whiting ( <i>Merluccius bilinearis</i> )				X
red hake ( <i>Urophycis chuss</i> )	X	X	X	X
winter flounder ( <i>Pleuronectes americanus</i> )	X	X	X	X
windowpane flounder ( <i>Scophthalmus aquosus</i> )	X	X	X	X
American plaice ( <i>Hippoglossoides platessoides</i> )			X	X
Atlantic sea herring ( <i>Clupea harengus</i> )			X	X
bluefish ( <i>Pomatomus saltatrix</i> )			X	X
Atlantic mackerel ( <i>Scomber scombrus</i> )	X	X	X	X
summer flounder ( <i>Paralichthys dentatus</i> )			X	
scup ( <i>Stenotomus chrysops</i> )	X	X	X	X
black sea bass ( <i>Centropristus striata</i> )	n/a		X	
king mackerel ( <i>Scomberomorus cavalla</i> )	X	X	X	X
Spanish mackerel ( <i>Scomberomorus maculatus</i> )	X	X	X	X
cobia ( <i>Rachycentron canadum</i> )	X	X	X	X
sand tiger shark ( <i>Odontaspis taurus</i> )		X		





**PLAN REFERENCE:**  
 USGS, NEW LONDON, CONN.-N.Y.; EDITED 1984,  
 No. 41072-C1-TF-024



DATE  
 2011

APPLEDORE MARINE  
 ENGINEERING, INC.  
 PORTSMOUTH, N.H.

U.S. Department of Homeland Security  
 United States Coast Guard  
 CIVIL ENGINEERING UNIT PROVIDENCE

USCG TASK ORDER No.:  
 USCG CONTRACT No.:

**USGS MAP OF NEW LONDON CT**

FIG. NO.

**1**



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community

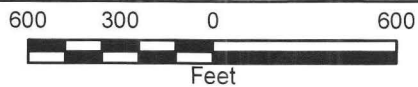
**Legend**

- Approximate Project Boundary
- Roads
- Places

**U.S. Coast Guard Academy**

New London

Connecticut



Filename: CoastGuardFigure.mxd

Drawn By: jlavallee

Date: 3/8/2013

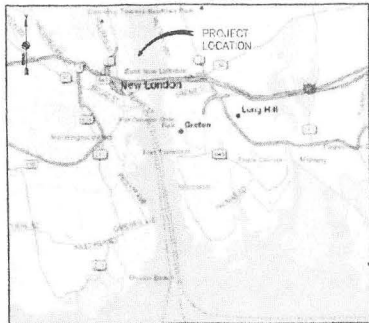
NAI Project No: 22290.000

Path: G:\Projects\CoastGuard\Figure.mxd



# USCG ACADEMY NEW LONDON, CONNECTICUT NEW LONDON

## CONCEPT DRAWINGS FOR PROJECT PROPOSAL (PPR) CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER) JANUARY, 2012



VICINITY MAP  
NTS

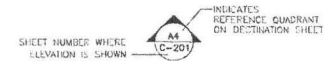


LOCATION MAP  
NTS

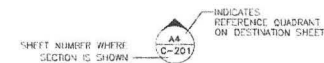
### LIST OF DRAWINGS

SHEET NO.	DRAWING TITLE
<b>GENERAL</b>	
1 OF 14	COVER
<b>CIVIL</b>	
2 OF 14	EXISTING CONDITIONS PLAN
3 OF 14	DECK PLAN
4 OF 14	DECK PLAN
5 OF 14	PREFRST PLAN - 1
6 OF 14	DREDGE PLAN - 2
7 OF 14	DREDGE SECTION - 1
8 OF 14	DREDGE SECTION - 2
<b>STRUCTURAL</b>	
9 OF 14	REMOVALS PLAN
10 OF 14	WORK PLAN
11 OF 14	SECTIONS - 1
12 OF 14	SECTIONS - 2
<b>UTILITY</b>	
13 OF 14	UTILITY PLAN - 1
14 OF 14	UTILITY PLAN - 2

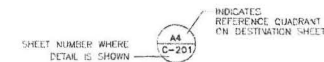
### ELEVATION, SECTION OR DETAIL SYMBOLS



### EXTERIOR ELEVATION/SECTION



### INTERIOR ELEVATION/SECTION



### DETAIL

### LEGEND

APPROX	APPROXIMATE	MEQ	MODULAN EQU
ATON	AID TO NAVIGATION	MLW	MEAN LOWER LOW WATER
BM	BENCHMARK	MLW	MEAN LOW WATER
B	BASIS	NTS	NOT TO SCALE
C	CENTERLINE	ON CENTER	ON CENTER
CIP	CAST-IN-PLACE	P	PISTON
CV	CUBIC YARD	PCF	POUNDS PER CUBIC FOOT
CJ	CONSTRUCTION JOINT	PSF	POUNDS PER SQUARE FOOT
DCG	DIAMETER	REF	REFERENCE
DA	ELEVATION IN FEET	SCH-LE	SCHEDULE
EL	CALVINZ	SF	SQUARE FEET
ELV	ELEVATION	SQ	SQUARE
ENDC	END OF DIVIDED CALVINZ	SS	STAINLESS STEEL
ID	INSIDE DIAMETER	SSP	STEEL SHEET PILING
LEG	LEGS	STA	STATION
LF	LENGTH	STD	STANDARD
MAX	MAXIMUM	TYT	TYPICAL
MHW	MEAN HIGH WATER	UN	UNLESS OTHERWISE NOTED
MHWA	MEAN HIGHER HIGH WATER	UP	WORKING POINT
MIN	MINIMUM		

TIDAL DATUMS (1983-2001 TIDAL EPOCH)	
FLWA 100 YEAR BASE FLOOD ELEVATION (STILLWATER)	12.80'
HIGHEST OBSERVED WATER LEVEL (9/21/38)	10.56'
MEAN HIGHER HIGH WATER (MHHW)	3.65'
MEAN HIGH WATER (MHW)	2.76'
MEAN LOW WATER (MLW)	0.19'
MEAN LOWER LOW WATER (MLLW)	0.00'

REFERENCE:  
NOAA, MD: THAMES RIVER, NEW LONDON #8461490, 04/21/2003  
FLWA FRM COMMUNITY PANEL NUMBER B90100 0001 C, 08/19/1985

APPLEDORE MARINE ENGINEERING  
PORTSMOUTH, NEW HAMPSHIRE  
603.436.1670

CONSULTANTS



U. S. COAST GUARD  
FACILITIES DESIGN &  
CONSTRUCTION CENTER



FDDC LANT  
5505 ROBIN HOOD ROAD  
NORFOLK, VIRGINIA 23513-2431

MARK	DATE	DESCRIPTION

A/E PROJECT NO: 7009
CAD FILE NAME: 7009-00A.dwg
DESIGNED BY: PDC
DRAWN BY: DBS
CHECKED BY: NJL
SCALE AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
USCG ACADEMY**  
NEW LONDON CT

GENERAL  
COVER

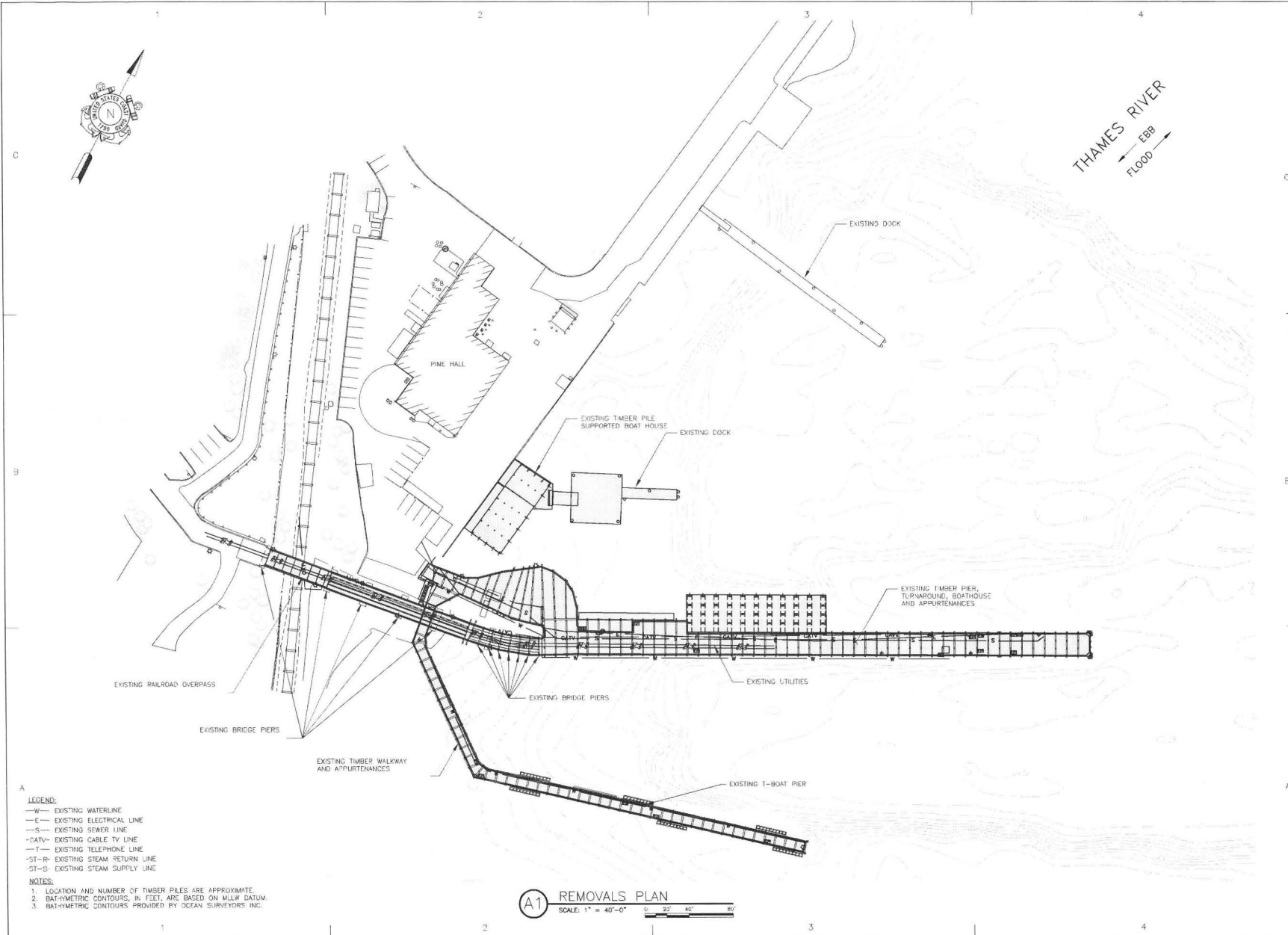
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:

PROJECT ENG:	SEARCH CHIEF:	TECH. DIRECTOR:

APPROVING OFFICER:	DATE:

PROJECT NUMBER:	DRAWING NUMBER:
614055	

DESCRIPTION/SH. NO.	SHEET	OF	14
G-001	1	OF	14



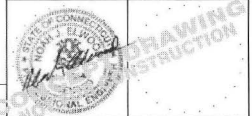
- LEGEND:**
- W- EXISTING WATERLINE
  - E- EXISTING ELECTRICAL LINE
  - S- EXISTING SEWER LINE
  - CATV- EXISTING CABLE TV LINE
  - T- EXISTING TELEPHONE LINE
  - ST-R- EXISTING STEAM RETURN LINE
  - ST-S- EXISTING STEAM SUPPLY LINE

- NOTES:**
1. LOCATION AND NUMBER OF TIMBER PILES ARE APPROXIMATE.
  2. BATHYMETRIC CONTOURS, IN FEET, ARE BASED ON MLLW DATUM.
  3. BATHYMETRIC CONTOURS PROVIDED BY OCEAN SURVYORS, INC.

**(A1) REMOVALS PLAN**  
 SCALE: 1" = 40'-0"  
 0 20' 40' 80'

APPLEDORE MARINE ENGINEERING INC  
 PORTSMOUTH, NEW HAMPSHIRE  
 603.466.1870

CONSULTANTS



U. S. COAST GUARD  
 FACILITIES DESIGN &  
 CONSTRUCTION CENTER



FDC LANT  
 5505 ROBIN HOOD ROAD  
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

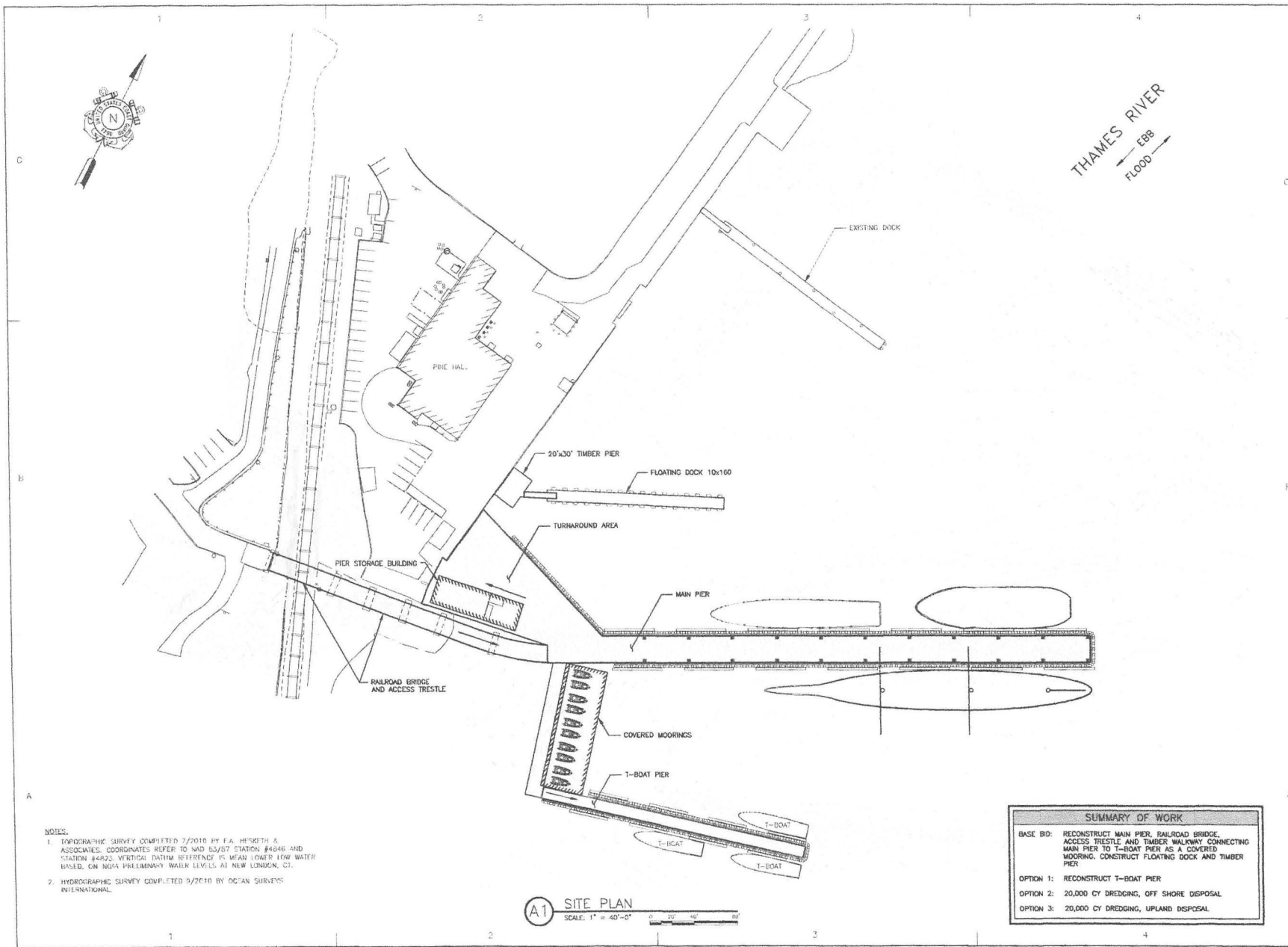
A/E PROJECT NO: 7009
CAD FILE NAME: 7009-LGA
DESIGNED BY: DDC
DRAWN BY: CBS
EDITED BY:
CHECKED BY: NJE
SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
 USCG ACADEMY  
 NEW LONDON CT**

STRUCTURAL  
**EXISTING CONDITIONS PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	

PROJECT NUMBER	DRAWING NUMBER
614055	
DISCIPLINE/SHEET NO	SHEET 2 OF 14
C-101	



- NOTES:
1. TOPOGRAPHIC SURVEY COMPLETED 7/2010 BY E.A. HEWITT & ASSOCIATES. COORDINATES REFER TO NAD 83/07 STATION #4246 AND STATION #4422. VERTICAL DATUM REFERRED TO MEAN LOWER LOW WATER BASED ON NOAA PRELIMINARY WATER LEVELS AT NEW LONDON, CT.
  2. HYDROGRAPHIC SURVEY COMPLETED 9/2010 BY OCEAN SURVEYS INTERNATIONAL.

**A1 SITE PLAN**  
SCALE: 1" = 40'-0"

**SUMMARY OF WORK**

BASE BID: RECONSTRUCT MAIN PIER, RAILROAD BRIDGE, ACCESS TRESTLE AND TIMBER WALKWAY CONNECTING MAIN PIER TO T-BOAT PIER AS A COVERED MOORING, CONSTRUCT FLOATING DOCK AND TIMBER PIER

OPTION 1: RECONSTRUCT T-BOAT PIER

OPTION 2: 20,000 CY DREDGING, OFF SHORE DISPOSAL

OPTION 3: 20,000 CY DREDGING, UPLAND DISPOSAL

APPLEDORE MARINE ENGINEERING INC  
PORTSMOUTH, NEW HAMPSHIRE  
603.766.1870

CONSULTANTS

U. S. COAST GUARD  
FACILITIES DESIGN &  
CONSTRUCTION CENTER

**FDCC CLANT**

FDCC LANT  
5505 ROBIN HOOD ROAD  
NORFOLK, VIRGINIA 23513-2431

ISSUE	MARK	DATE	DESCRIPTION

SCALE AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

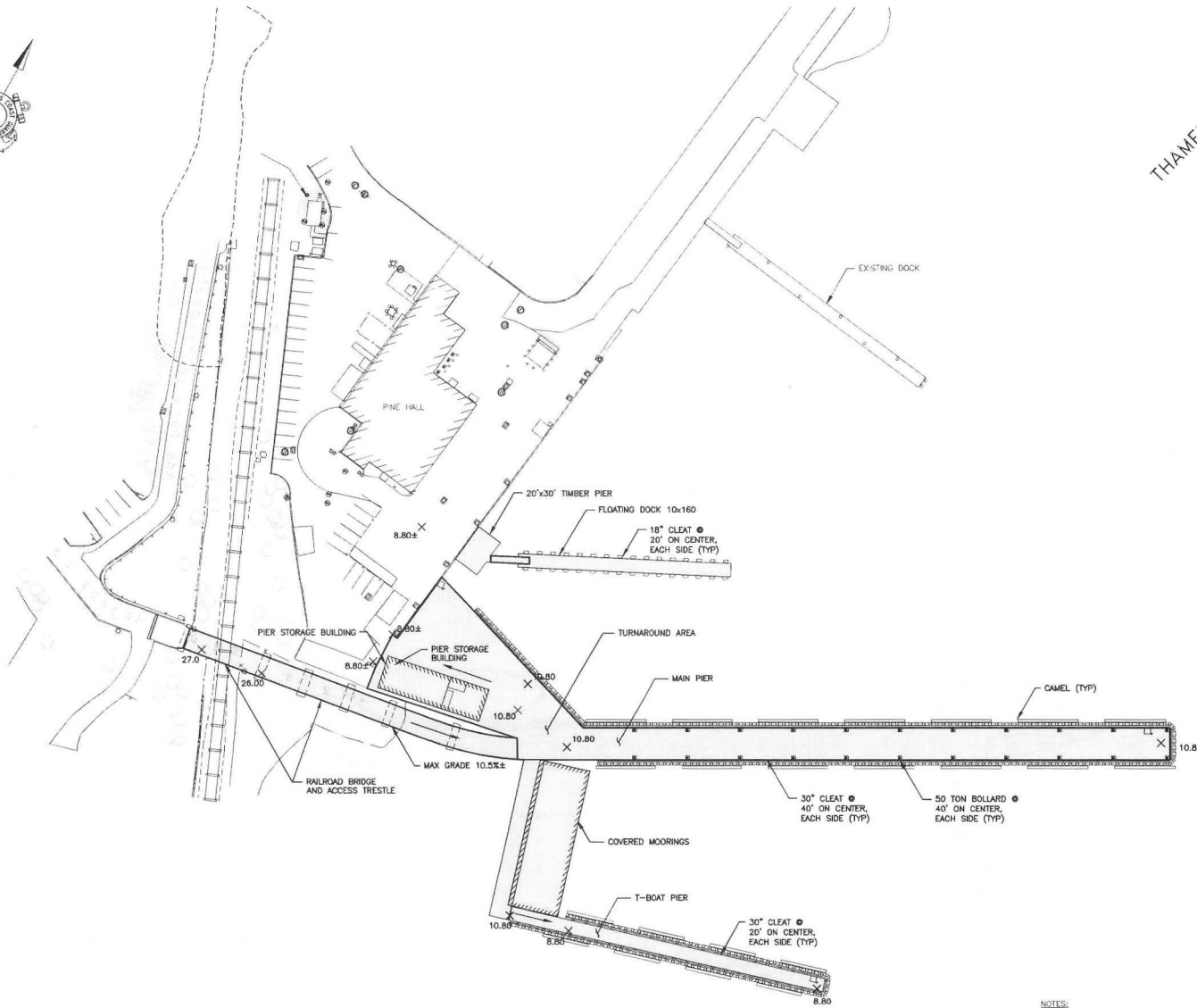
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
USCG ACADEMY**  
NEW LONDON CT

CIVIL  
**SITE PLAN**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG:	TRAVELER CHIEF:	TECH. DIRECTOR:
APPROVING OFFICER:	DATE:	
PROJECT NUMBER:	DRAWING NUMBER:	
614055		
DISCIPLINE/SHR NO	SHEET 3 OF 14	
C-102		



THAMES RIVER  
 ← EBB  
 FLOOD →

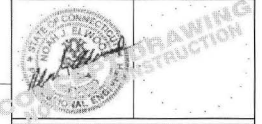


**A1** DECK PLAN  
 SCALE: 1" = 40'-0"  
 0 20 40 80

- NOTES:
- SEE DRAWING U-101 AND U-102 FOR UTILITY PLAN.
  - INSTALL 2 EMERGENCY LADDERS ON NORTH AND SOUTH FACE OF MAIN PIER AND 1 LADDER ON NORTH AND SOUTH FACE OF T-BOAT PIER.
  - COAST GUARD APPROVED LIFE RINGS TO BE INSTALLED AT 100' INTERVALS ALONG THE MAIN AND T-BOAT PIERS.

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 CONSTRUCTION CENTER



FDCC LANT  
 5505 ROBIN HOOD ROAD  
 NORFOLK, VIRGINIA 23513-2431

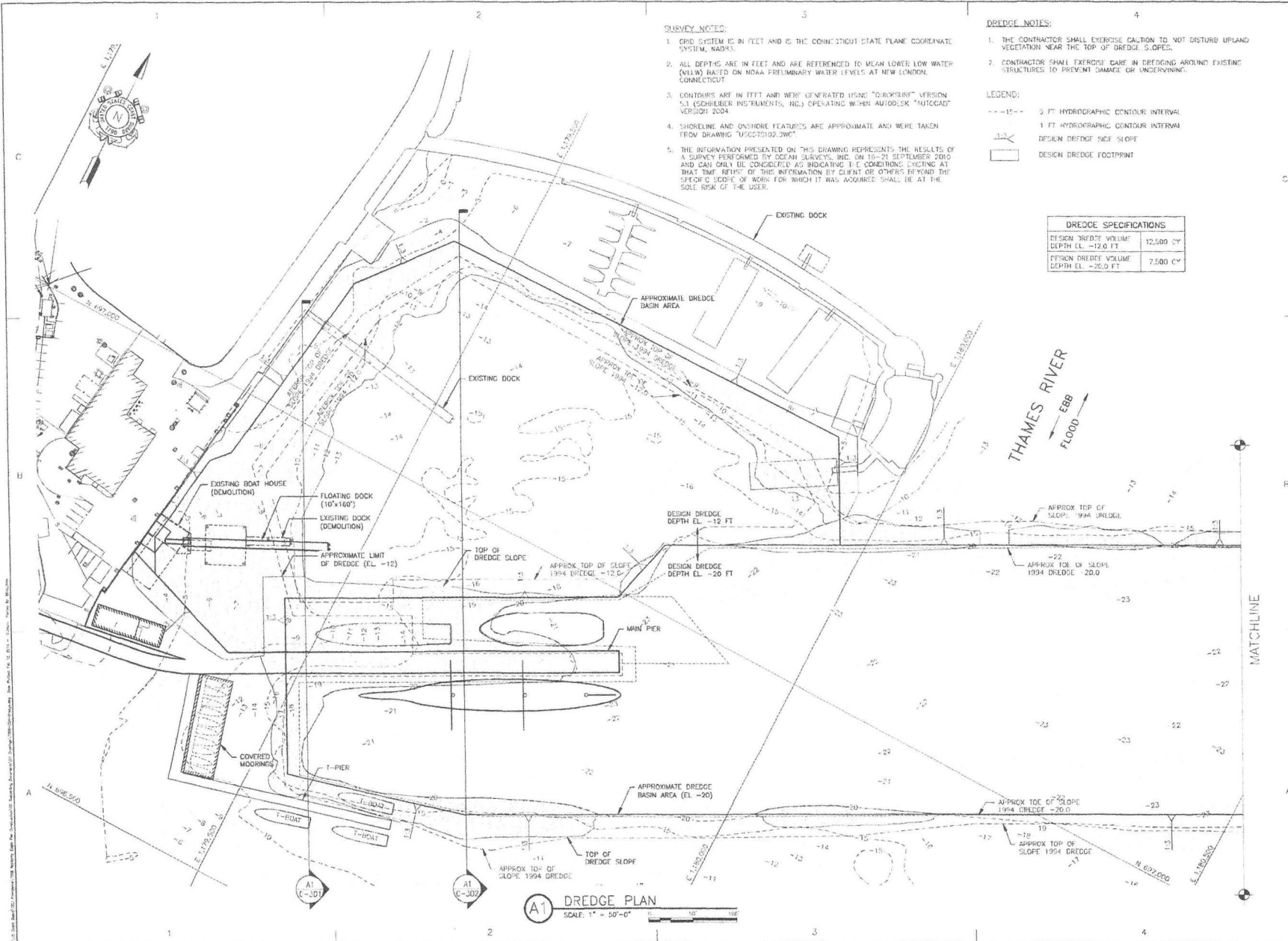
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MARK	DATE	DESCRIPTION

A/E PROJECT NO: 7009
CAD FILE NAME: 7009-CGA
DESIGNED BY: GOS
DRAWN BY: GBS
EDITED BY:
CHECKED BY: NJE
SCALE: AS SHOWN PLOT SCALE: 1:1
SHEET TITLE

**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)**  
 USCG ACADEMY  
 NEW LONDON CT

CIVIL DECK PLAN		
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG: BRANCH CHIEF	TECH. DIRECTOR	
APPROVING OFFICER	DATE	

PROJECT NUMBER	DRAWING NUMBER
614055	
DISCIPLINE/SHEET NO	SHEET 4 OF 14
C-103	



- SURVEY NOTES:**
- GRID SYSTEM IS IN FEET AND IS THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, NAD83.
  - ALL DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) BASED ON NOAA PRELIMINARY WATER LEVELS AT NEW LONDON, CONNECTICUT.
  - CONTOURS ARE IN FEET AND WERE GENERATED USING "GRIDSURF" VERSION 5.1 (SCHUBER INSTRUMENTS, INC.) OPERATING WITH AUTODESK "AUTOCAD" VERSION 2004.
  - SHORELINE AND DITCHLINE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DRAWING "VEGETATION.DWG".
  - THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. ON 10-21 SEPTEMBER 2010 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. RELIANCE ON THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER.

- DREDGE NOTES:**
- THE CONTRACTOR SHALL EXERCISE CAUTION TO NOT DISTURB UPLAND VEGETATION NEAR THE TOP OF DREDGE SLOPES.
  - CONTRACTOR SHALL EXERCISE CARE IN DREDGING AROUND EXISTING STRUCTURES TO PREVENT DAMAGE OR UNDERMINING.

- LEGEND:**
- 15--- 3 FT HYDROGRAPHIC CONTOUR INTERVAL
  - 1 FT HYDROGRAPHIC CONTOUR INTERVAL
  - DESIGN DREDGE SLOPE
  - DESIGN DREDGE FOOTPRINT

DREDGE SPECIFICATIONS	
DESIGN DREDGE VOLUME	12,500 CY
DEPTH EL. -12.0 FT	
DESIGN DREDGE SLOPE	
DESIGN DREDGE VOLUME	7,500 CY
DEPTH EL. -20.0 FT	

**A1 DREDGE PLAN**  
SCALE: 1" = 50'-0"

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5505 ROBIN HOOD ROAD  
NORFOLK, VIRGINIA 23513-2431

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MARK	DATE	DESCRIPTION

A/E PROJECT NO: 7000  
CAD FILE NAME: 7000-CCA-UndrDge.dwg  
DESIGNED BY: DUK  
DRAWN BY: SSS  
EDITED BY:  
CHECKED BY: NUK

SCALE AS SHOWN PLOT SCALE: 1" = 50'-0"

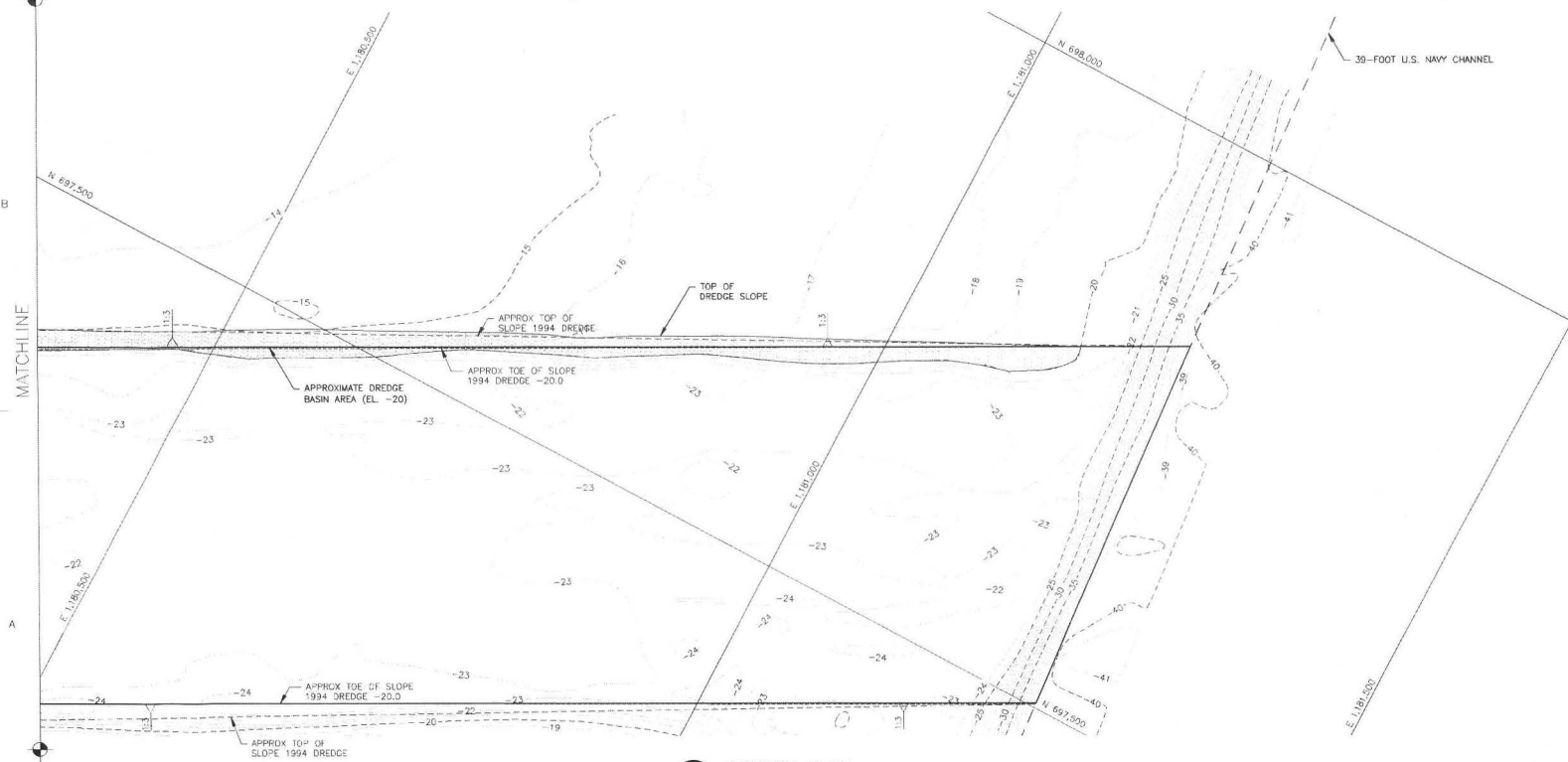
SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
USCG ACADEMY  
NEW LONDON CT**

CIVIL  
**DREDGE PLAN - 1**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT NUMBER	DRAWING NUMBER	
614055		
DISCIPLINE/SHEET NO C-104	SHEET 5 OF 14	



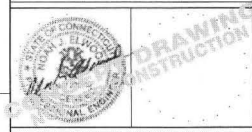
THAMES RIVER  
 ← EBB  
 FLOOD →



**(A1) DREDGE PLAN**  
 SCALE: 1" = 50'-0"  
 0 50' 100'

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 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO:	7009
CAD FILE NAME:	7009-CGA-Dredge.dwg
DESIGNED BY:	Doc
DRAWN BY:	SSS
FIELD BY:	
CHECKED BY:	NJE
SCALE:	AS SHOWN
PLOT SCALE:	1" = 50'

SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)**  
 USCG ACADEMY  
 NEW LONDON CT

CIVIL  
**DREDGE PLAN - 2**

REVIEWED BY:		REVIEWED BY:	
PROJECT FILE:	BRANCH CHIEF	TECH. DIRECTOR	

APPROVING OFFICER	DATE

PROJECT NUMBER	DRAWING NUMBER
614055	

DISCIPLINE/SHEET NO	SHEET	OF	TOTAL SHEETS
C-105	6	14	



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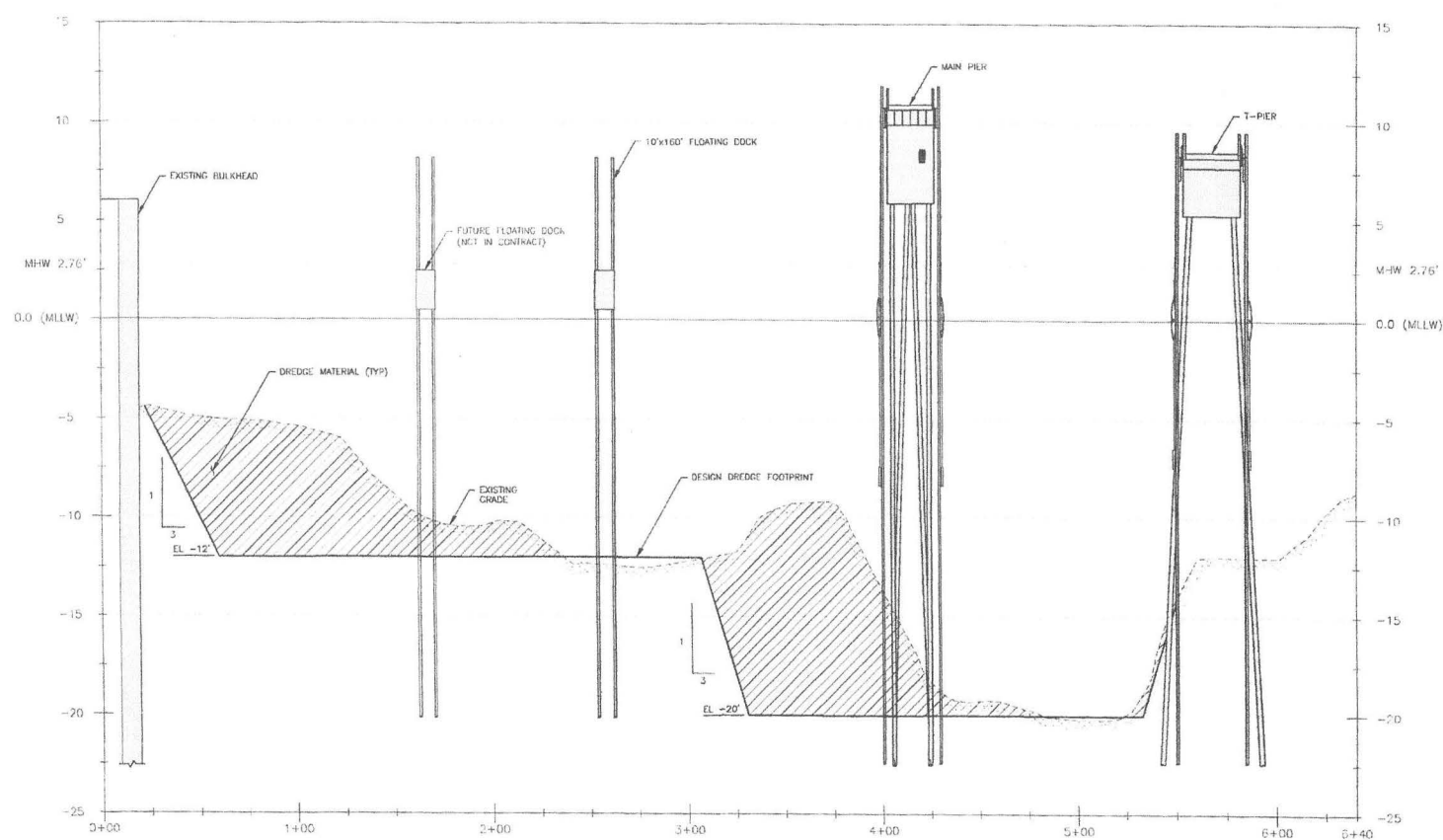
FDC CLANT  
 5505 ROBIN HOOD ROAD  
 NORFOLK, VIRGINIA 23513-2431

MARK	DATE	DESCRIPTION

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DESIGNED BY: DCS
DRAWN BY: ESS
EDITED BY:
CHECKED BY: NAL
SCALE: AS SHOWN PLOT SCALE: 1" = 3'-0"

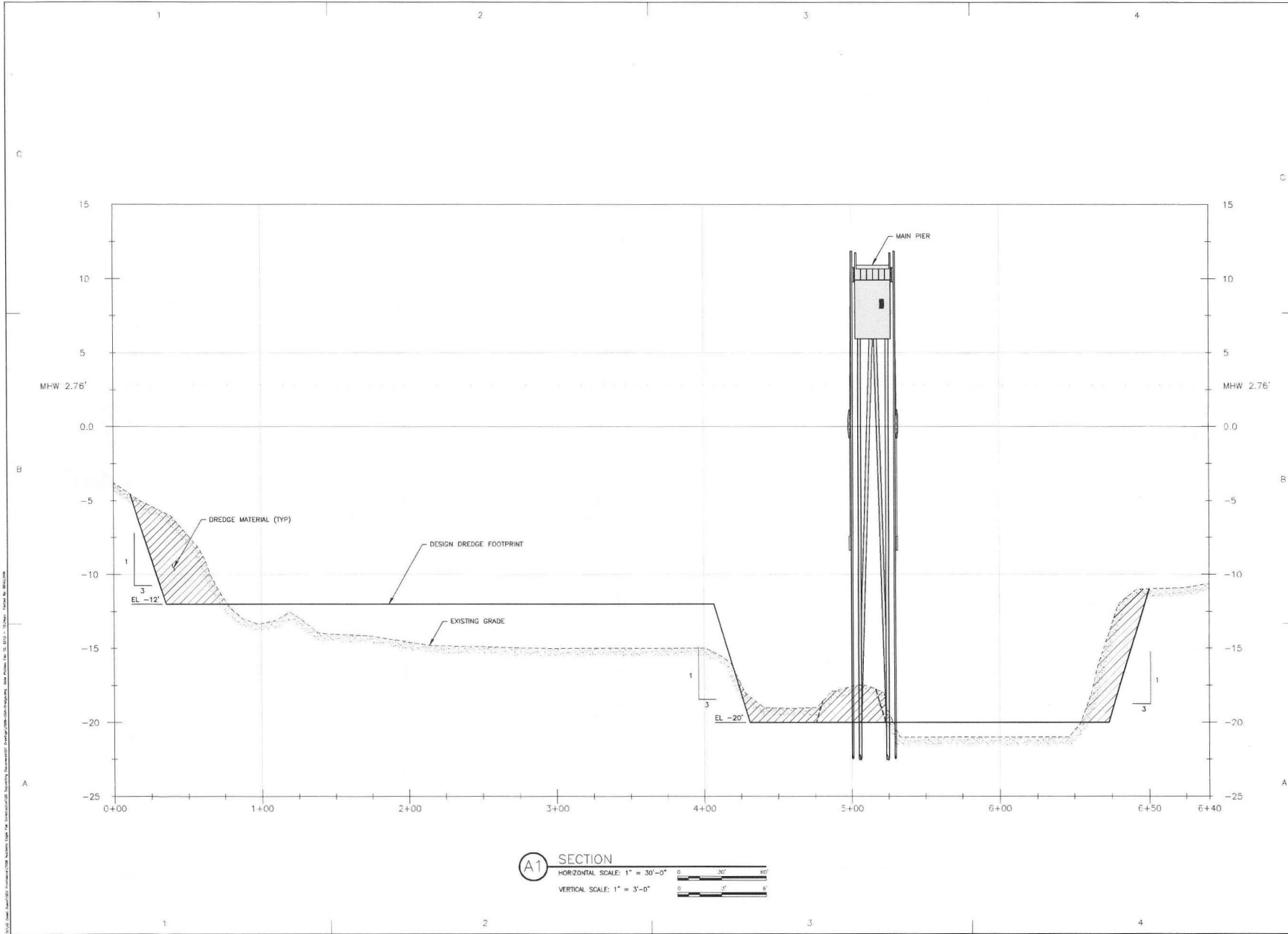
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**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
 AT COAST GUARD ACADEMY  
 NEW LONDON CT**

CIVIL DREDGE SECTION - 1		
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG:	BRANCH CHIEF:	TECH. SUPERVISOR:
APPROVING OFFICER:	DATE:	
PROJECT NUMBER: <b>614055</b>	DRAWING NUMBER:	
DWG. PLUM. / SH. NO. <b>C-301</b>	SHEET <b>7</b> OF <b>14</b>	



**(A1) SECTION**  
 HORIZONTAL SCALE: 1" = 30'-0"  
 VERTICAL SCALE: 1" = 3'-0"

U.S. Coast Guard Facilities Design & Construction Center, Norfolk, Virginia  
 Date: 08/20/03, File: 614055 - 1.dwg, Author: B. Williams



**(A1) SECTION**  
 HORIZONTAL SCALE: 1" = 30'-0"  
 VERTICAL SCALE: 1" = 3'-0"

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 5505 ROBIN HOOD ROAD  
 NORFOLK, VIRGINIA 23513-2431

ISSUE

MARK	DATE	DESCRIPTION

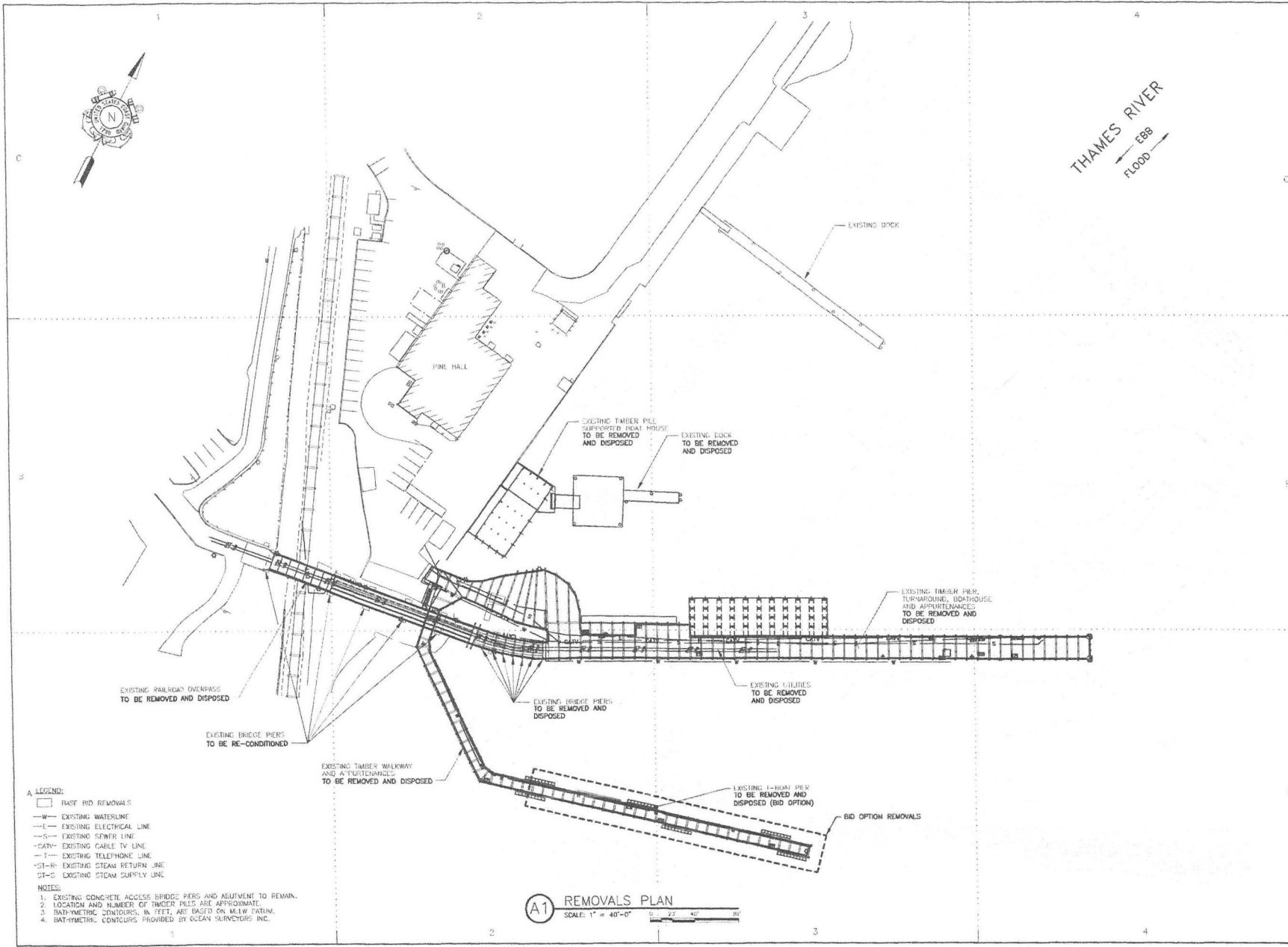
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 CAD FILE NAME: 7009-CGA-Dredge.dwg  
 DESIGNED BY: DOC  
 DRAWN BY: SSS  
 EDITED BY:  
 CHECKED BY: NJE

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
 USCG ACADEMY  
 NEW LONDON CT**  
 CIVIL  
**DREDGE SECTION - 2**

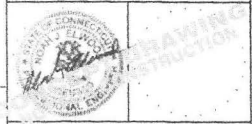
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR
APPROVING OFFICER	DATE	
PROJECT NUMBER	DRAWING NUMBER	
614055		
DISCIPLINE/SHEET NO	SHEET 8 OF 14	
C-302		





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 NORFOLK, VIRGINIA 23513-2431

MARK	DATE	DESCRIPTION

SCALE AS SHOWN PLOT SCALE 1:1

A/E PROJECT NO 7009  
 CAD FILE NAME 7009-LGA  
 DESIGNED BY DOB  
 DRAWN BY GBS  
 CHECKED BY NJE

SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)**  
**USCG ACADEMY**  
 NEW LONDON CT

STRUCTURAL  
 EXISTING STRUCTURES REMOVAL PLAN

REVIEWED BY: REVIEWED BY: REVIEWED BY:  
 PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

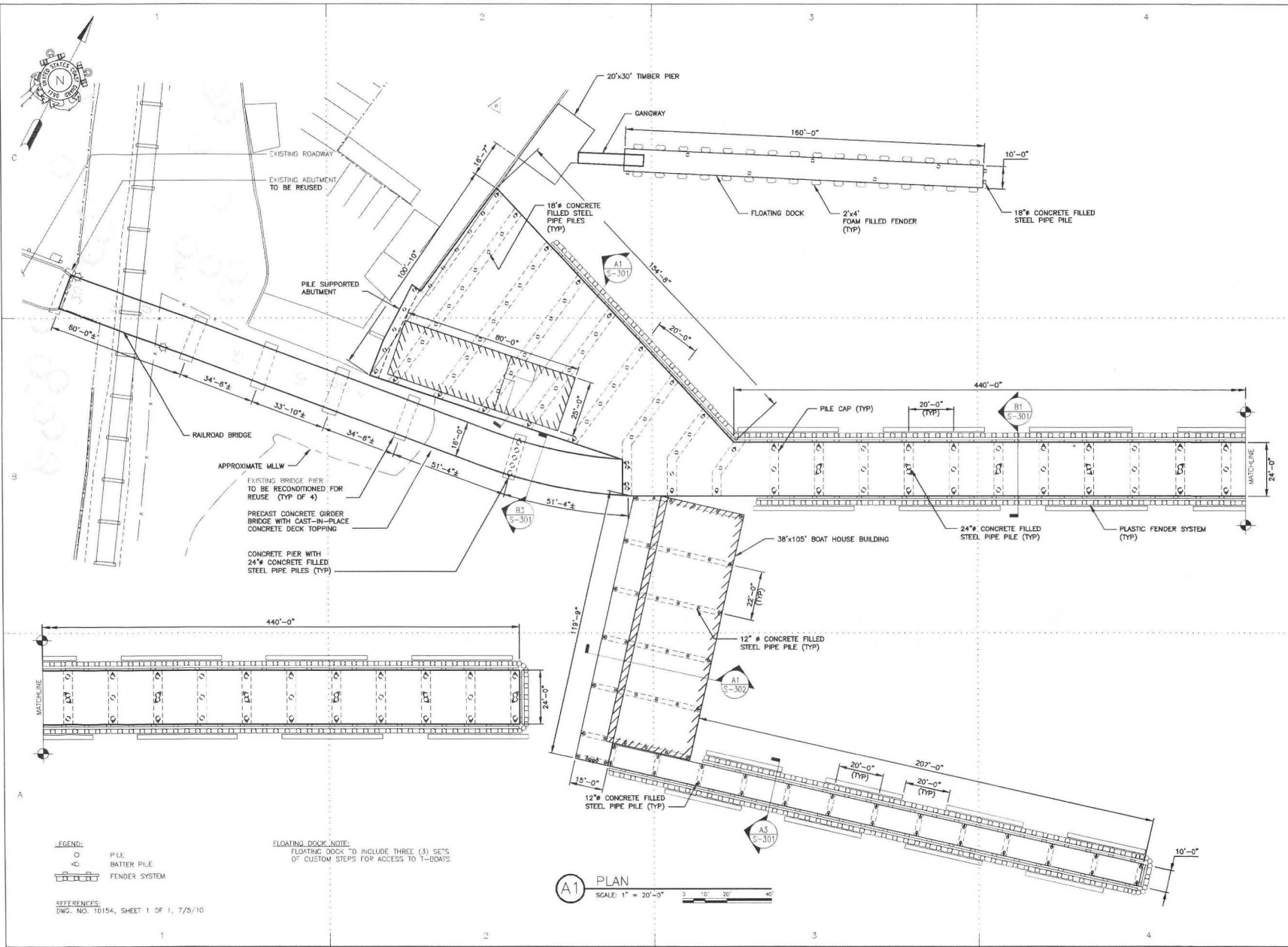
APPROVING OFFICER: DATE:

PROJECT NUMBER: **614055**  
 DRAWING NUMBER:  
 DISCIPLINE 75-11 NO: **S-101** SHEET **9** OF **14**

- A LEGEND:**
- BASE BID REMOVALS
  - W— EXISTING WATERLINE
  - E— EXISTING ELECTRICAL LINE
  - S— EXISTING SEWER LINE
  - CATV- EXISTING CABLE TV LINE
  - T- EXISTING TELEPHONE LINE
  - ST-R- EXISTING STEAM RETURN LINE
  - ST-S EXISTING STEAM SUPPLY LINE

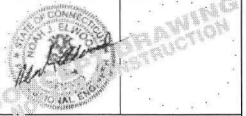
- NOTES:**
1. EXISTING CONCRETE ACCESS BRIDGE PIERS AND ABUTMENT TO REMAIN.
  2. LOCATION AND NUMBER OF TIMBER PILLS ARE APPROXIMATE.
  3. BATHYMETRIC CONTOURS, IN FEET, ARE BASED ON M.L.W. DATUM.
  4. BATHYMETRIC CONTOURS PROVIDED BY OCEAN SURVEYORS, INC.

**(A1) REMOVALS PLAN**  
 SCALE: 1" = 40'-0"  
 0 20 40 80



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ISSUE		
MARK	DATE	DESCRIPTION

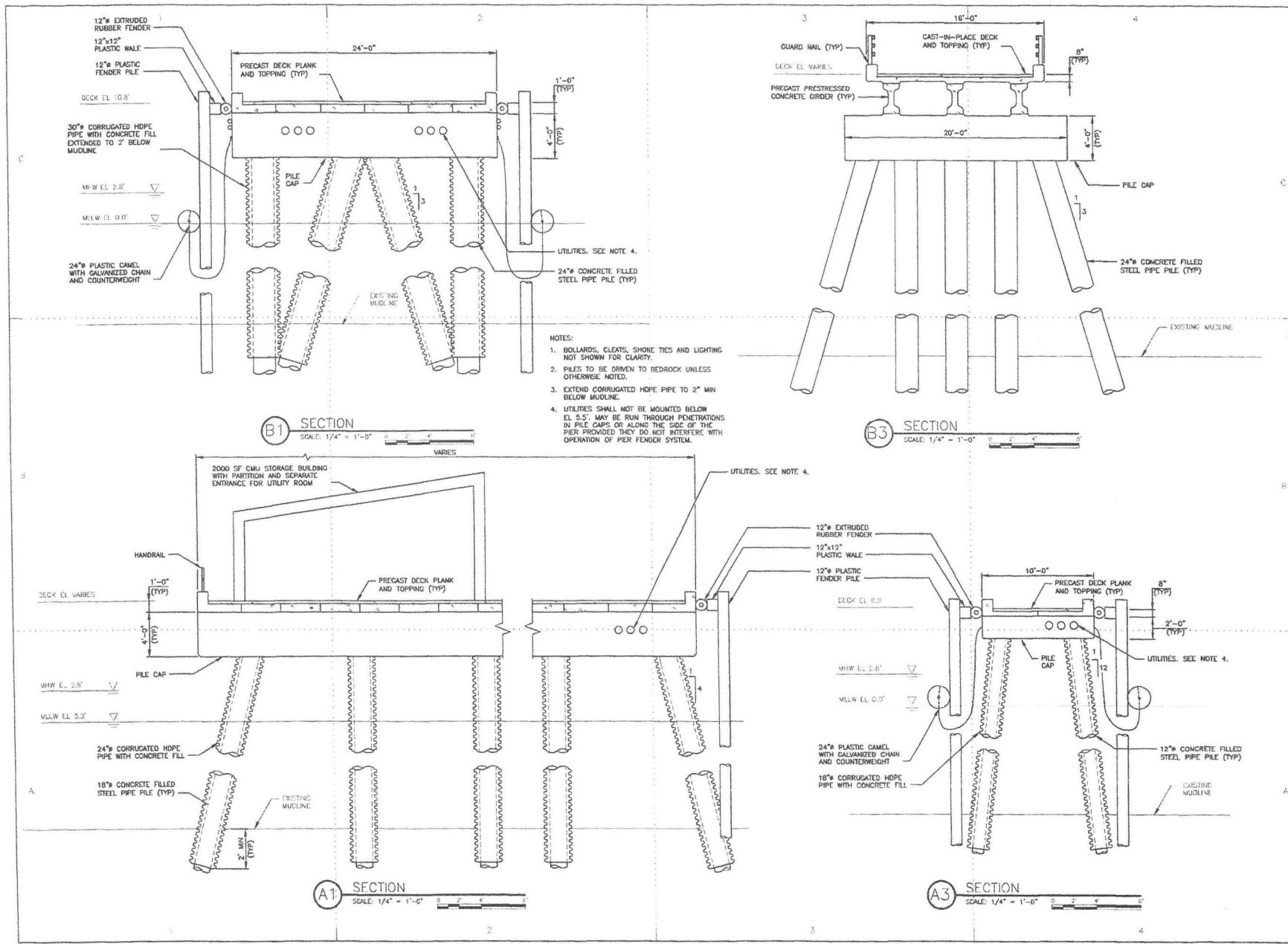
A/E PROJECT NO:	7009
CAD FILE NAME:	7009-CGA
DESIGNED BY:	NOJ
DRAWN BY:	GBS
EDITED BY:	
CHECKED BY:	NJE
SCALE:	AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)**  
USCG ACADEMY  
NEW LONDON CT

STRUCTURAL WORK PLAN		
REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
INITIALS	INITIALS	INITIALS
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

APPROVING OFFICER	DATE
-------------------	------

PROJECT NUMBER	DRAWING NUMBER
614055	
DISCIPLINE/SHEET NO	SHEET 10 OF 14
S-102	



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**DGC GLANT**

FDCC LANT  
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 NORFOLK, VIRGINIA 23513-2431

MARK	DATE	DESCRIPTION

SCALE AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

**CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
 USCG ACADEMY  
 NEW LONDON CT**

STRUCTURAL  
 SECTIONS - 1

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG	BRANCH CHIEF	TECH. SUPERVISOR
INITIALS	INITIALS	INITIALS

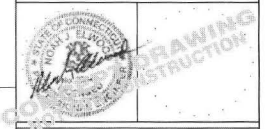
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PROJECT NUMBER: 614055 DRAWING NUMBER: S-301

DOCKING / S/I NO: S-301 SHEET 11 OF 14

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 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 7009  
 CAD FILE NAME: 7009-CGA  
 DESIGNED BY: DDC  
 DRAWN BY: CBS  
 REVISED BY:  
 CHECKED BY: NJE

SCALE: AS SHOWN PLOT SCALE: 1:1

SHEET TITLE  
 CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
 USCG ACADEMY  
 NEW LONDON CT

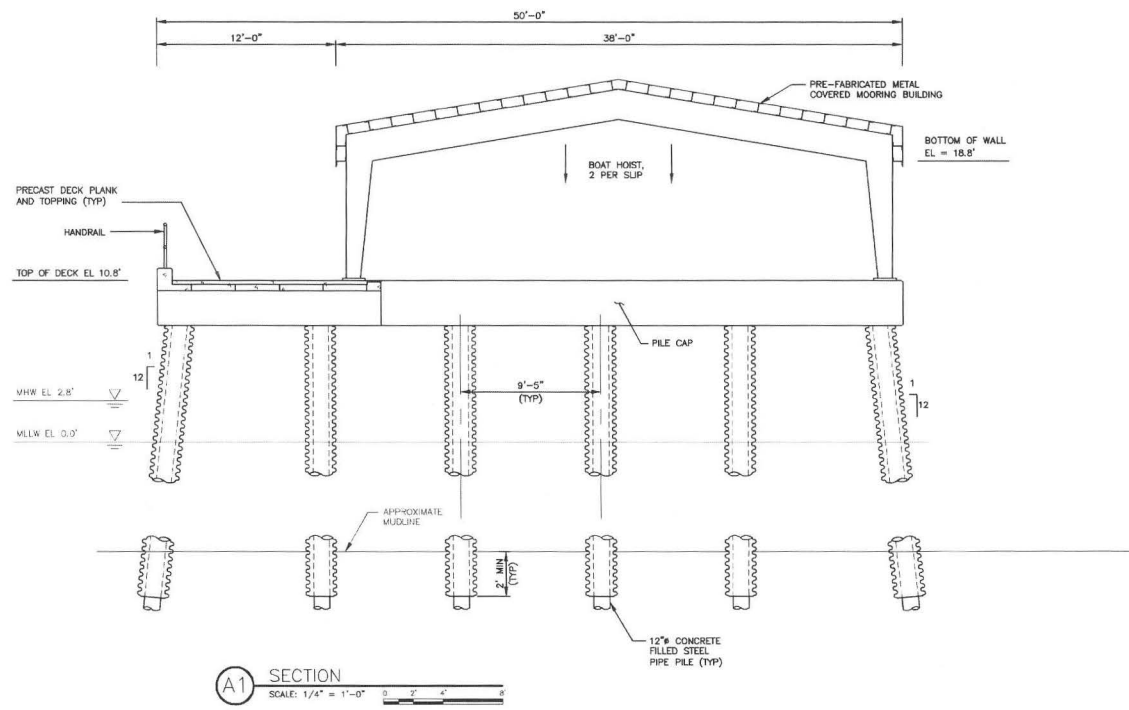
STRUCTURAL  
 SECTIONS-2

REVIEWED BY: REVIEWED BY: REVIEWED BY:  
 PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

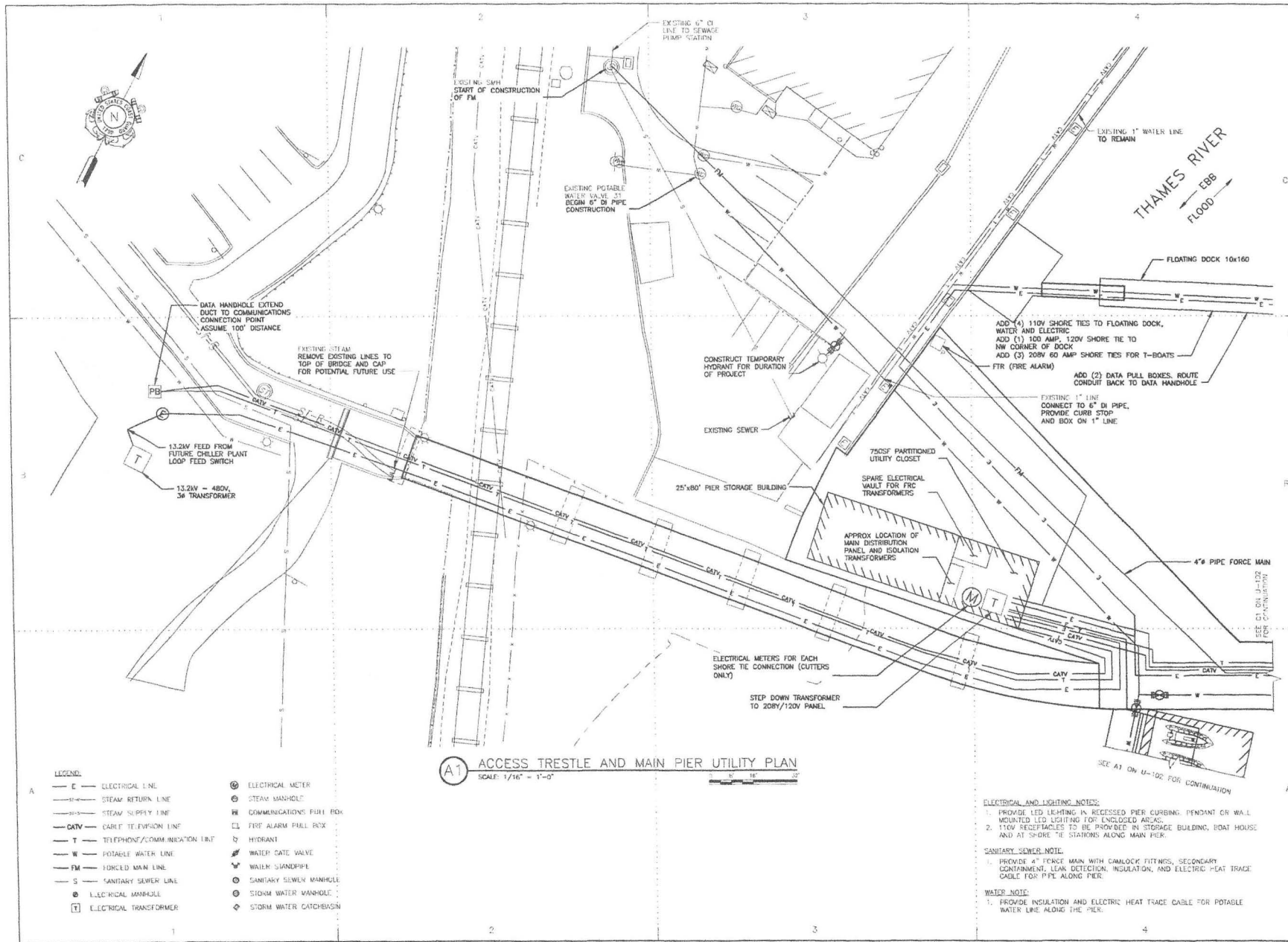
APPROVING OFFICER DATE

PROJECT NUMBER DRAWING NUMBER  
 614055

DISCIPLINE/SHEET NO. SHEET 12 OF 14  
 S-302



- NOTES:  
 1. LIGHTING NOT SHOWN FOR CLARITY.  
 2. PILES TO BE DRIVEN TO BEDROCK UNLESS OTHERWISE NOTED.



**A1 ACCESS TRESTLE AND MAIN PIER UTILITY PLAN**  
 SCALE: 1/16" = 1'-0"

- LEGEND:**
- ELECTRICAL LINE
  - STEAM RETURN LINE
  - STEAM SUPPLY LINE
  - CABLE TELEVISION LINE
  - TELEPHONE/COMMUNICATION LINE
  - POTABLE WATER LINE
  - FORCED MAIN LINE
  - SANITARY SEWER LINE
  - ELECTRICAL MANHOLE
  - ELECTRICAL TRANSFORMER
  - ELECTRICAL METER
  - STEAM MANHOLE
  - COMMUNICATIONS PULL BOX
  - FIRE ALARM PULL BOX
  - HYDRANT
  - WATER GATE VALVE
  - WATER STANDPIPE
  - SANITARY SEWER MANHOLE
  - STORM WATER MANHOLE
  - STORM WATER CATCHBASIN

- ELECTRICAL AND LIGHTING NOTES:**
- PROVIDE LED LIGHTING IN RECESSED PIER CURBING, PENDANT OR WALL MOUNTED LED LIGHTING FOR ENCLOSED AREAS.
  - 110V RECEPTACLES TO BE PROVIDED IN STORAGE BUILDING, BOAT HOUSE AND AT SHORE TIE STATIONS ALONG MAIN PIER.
- SANITARY SEWER NOTE:**
- PROVIDE 4" FORCE MAIN WITH GALVALUM FITTINGS, SECONDARY CONTAINMENT, LEAK DETECTION, INSULATION, AND ELECTRIC HEAT TRACE CABLE FOR PIPE ALONG PIER.
- WATER NOTE:**
- PROVIDE INSULATION AND ELECTRIC HEAT TRACE CABLE FOR POTABLE WATER LINE ALONG THE PIER.

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 5505 ROBIN HOOD ROAD  
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 7009  
 CAD FILE NAME: 7009-CGA  
 DESIGNED BY: GBS  
 DRAWN BY: GBS  
 CHECKED BY: NJE

SCALE AS SHOWN PLOT SCALE 1:1  
 SHEET TITLE

CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
 USCG ACADEMY  
 NEW LONDON CT

UTILITY  
 UTILITY PLAN-1

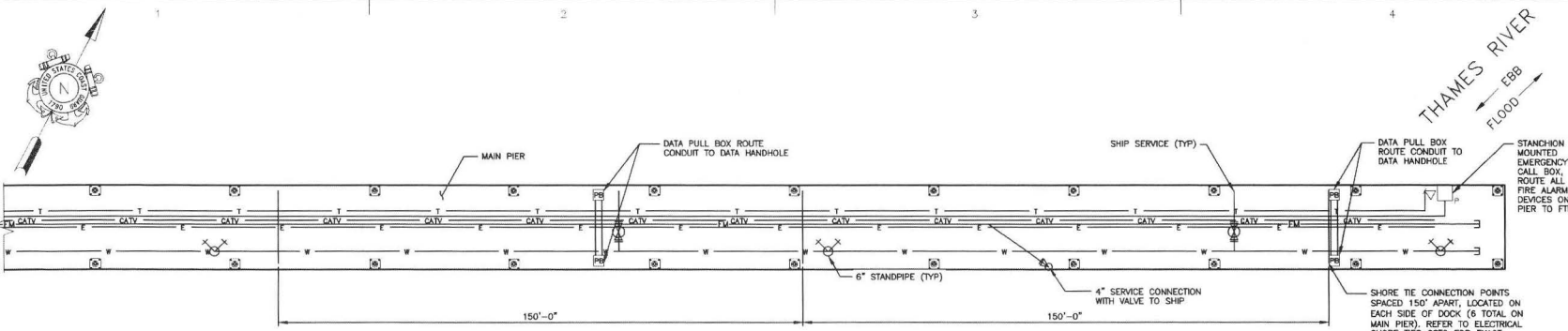
REVIEWED BY: REVIEWED BY:  
 PROJECT TSG: SEARCH CHIEF: TECH. DIRECTOR:

APPROVING OFFICER: DATE:

PROJECT NUMBER <b>614055</b>	DRAWING NUMBER
DISCIPLINE/SHEET NO U-101	SHEET 13 OF 14

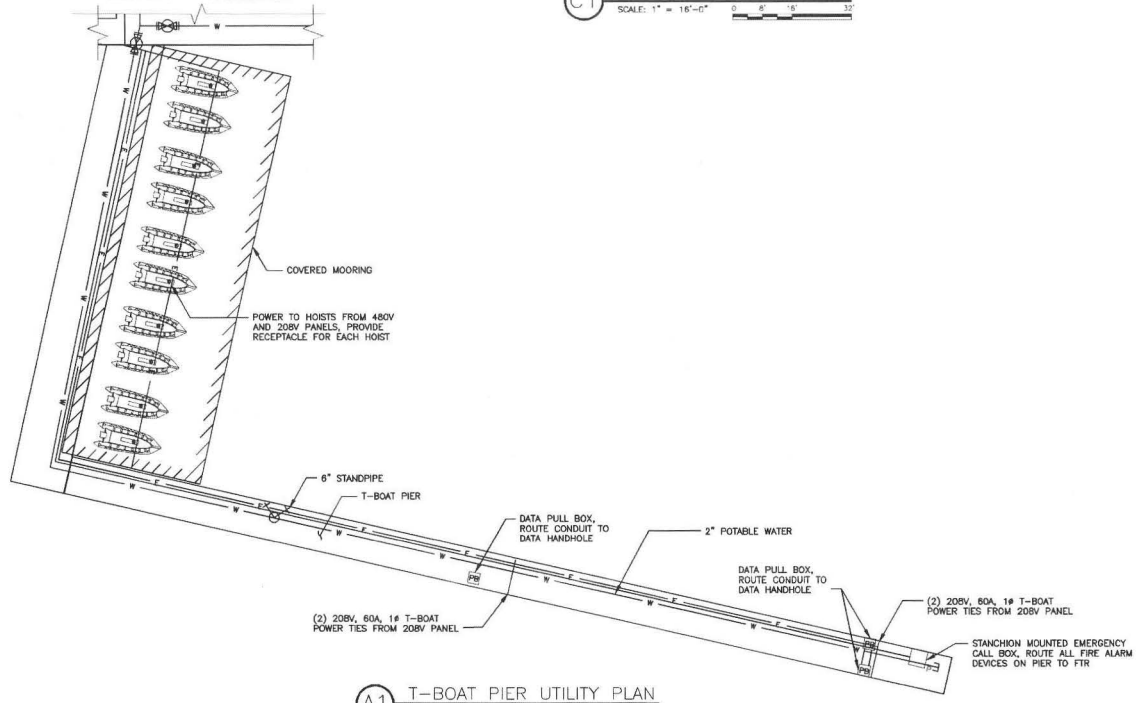


SEE PLAN U-101 FOR CONTINUATION



**C1 MAIN PIER UTILITY PLAN**  
SCALE: 1" = 16'-0"

SEE A1 ON U-101 FOR CONTINUATION



**A1 T-BOAT PIER UTILITY PLAN**  
SCALE: 1" = 16'-0"

**LEGEND:**

— E —	ELECTRICAL LINE	⊕	ELECTRICAL METER
— SR —	STEAM RETURN LINE	⊙	STEAM MAN-HOLE
— SR —	STEAM SUPPLY LINE	⊠	COMMUNICATIONS PULL BOX
— CATV —	CABLE TELEVISION LINE	□	FIRE ALARM PULL BOX
— T —	TELEPHONE/COMMUNICATION LINE	◇	HYDRANT
— W —	POTABLE WATER LINE	⊕	WATER GATE VALVE
— FM —	FORCED MAIN LINE	⊕	WATER STANDPIPE
— S —	SANITARY SEWER LINE	⊕	SANITARY SEWER MANHOLE
— S —	SANITARY MANHOLE	⊕	STORM WATER MANHOLE
— T —	ELECTRICAL TRANSFORMER	⊠	STORM WATER CATCHBASIN

**ELECTRICAL AND LIGHTING NOTES:**

1. PROVIDE LED LIGHTING IN RECESSED PIER CURBING, PENDANT OR WALL MOUNTED LED LIGHTING FOR ENCLOSED AREAS.
2. 110V RECEPTACLES TO BE PROVIDED IN STORAGE BUILDING, BOAT HOUSE AND AT SHORE TIE STATIONS ALONG MAIN PIER.

**SANITARY SEWER NOTE:**

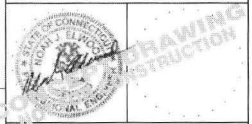
1. PROVIDE 4" FORCE MAIN WITH CAMLOCK FITTINGS, SECONDARY CONTAINMENT, LEAK DETECTION, INSULATION, AND ELECTRIC HEAT TRACE CABLE FOR PIPE ALONG PIER.

**WATER NOTE:**

1. PROVIDE INSULATION AND ELECTRIC HEAT TRACE CABLE FOR POTABLE WATER LINE ALONG THE PIER.

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NORFOLK, VIRGINIA 23513-2431

**ISSUE**

MARK	DATE	DESCRIPTION

**SCALE: AS SHOWN PLOT SCALE: 1:1**

A/E PROJECT NO: 7009
CAD FILE NAME: 7009-LGA
DESIGNED BY: DDC
DRAWN BY: CBS
EDITED BY:
CHECKED BY: NJE

**SHEET TITLE**  
CONSTRUCT NEW PIER (USCG BARQUE EAGLE PIER)  
USCG ACADEMY  
NEW LONDON CT

**UTILITY UTILITY PLAN-2**

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG: BRANCH CHIEF	TECH. DIRECTOR:	
APPROVING OFFICER:	DATE:	
PROJECT NUMBER:	DRAWING NUMBER:	
614055		
DISCIPLINE/SHT NO	SHEET 14 OF 14	
U-102		