PUBLIC NOTICE

US Army Corps of Engineers®
New England District

696 Virginia Road
Concord, MA 01742-2751

Date: June 30, 2009
Comment Period Ends: July 31, 2009
File Number: NAE-2008-1390
In Reply Refer To: Ms. Diane M. Ray
Or by e-mail: diane.m.ray@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States**:

APPLICANT: Department of the Navy, SUBASE New London

ACTIVITY: Perform maintenance dredging at various waterfront locations at the SUBASE New London with disposal of the material to be dredged within a Confined Aquatic Disposal (CAD) cell located in the Thames River Federal Navigation Channel. The CAD cell will be created by dredging an area and disposing of the dredged material at the New London Disposal Site. Also, retain and restore a 50' buffer area from the quay wall to the alongside pier locations.

A detailed description and plans of the proposed activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK
This work is proposed in the Thames River at the U. S. Naval Subase New London and is located on the USGS Uncasville quadrangle sheet at Latitude 41.39 and Longitude -72.08.

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.

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 maintenance dredging of the waterfront areas will impact approximately 15 acres and the associated dredging of the CAD cell will impact approximately 652,000 square feet. These areas are designated EFH for some or all of the species and their life stages as listed on the attached table. Habitat at this site can be described as sub-tidal, silty muds and glacial till at the proposed CAD cell site and silty muds with some sandier materials in the berthing areas. Loss of this habitat may adversely affect the EFH for some or all of the species and their life stages listed on the attached table. Those impacts would be created by the direct removal of sediment, alteration of water depth and hydrodynamic conditions, redeposition of sediment during and as a result of dredging activities. These impacts are considered short term and by isolation of some of the sediment provide some improvement in sediment quality in the general area. Mitigation is limited to the sediment remediation. The District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Accordingly, the applicant has prepared an expanded EFH assessment which was provided to National Marine Fisheries Service, who in turn will provide conservation recommendations to the Corps. The Corps will coordinate with the applicant regarding implementation of these recommendations. The EFH consultation will be concluded prior to the final decision.

The dredged material removed during the creation of the CAD cell will be disposed of at the New London Disposal Site. This is an open water site, which provides Essential Fish Habitat for the species and their life stages listed on the attached table. Habitat at the disposal site can be described as silty sand and silty clays reflective of prior disposal activities at the site. The temporary degradation of this habitat may adversely affect the EFH for some or all of the species and life stages listed in the attached table through burial and temporary alteration of the sediment characteristics within the disposal site. 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.

This restoration of the buffer area will impact 49,100 s.f. of Essential Fish Habitat (EFH) for species and their life stages as listed on the attached table. This habitat consists of silty sand. Loss of this habitat may adversely affect those species listed on the attached table. 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. Accordingly, the applicant has prepared an expanded EFH assessment which was provided to National Marine Fisheries Service, who in turn will provide conservation recommendations to the Corps. The Corps will coordinate with the applicant regarding implementation of these recommendations. The EFH consultation will be concluded prior to the final decision.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

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 New London Disposal Site during disposal operations. 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. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island 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 applied for, or have been, or will be obtained:

( ) Permit, License or Assent from State.
( ) Permit from Local Wetland Agency or Conservation Commission.
(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.

For more information on the New England District Corps of Engineers programs, visit our website at http://www.nae.usace.army.mil.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

for Diane M. Ray
Robert J. DeSista
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at 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: _____

PROPOSED WORK AND PURPOSE:

The proposed work includes the creation of a CAD cell to be located adjacent to an existing CAD cell approximately 100 feet south of its southern boundary. The dimensions of the new CAD cell will be approximately 400 feet wide x 630' long with 3:1 side slopes. Approximately 257,000 cubic yards of material will be dredged within this area to 40' below the river bottom, approximately 82' below mean low water by mechanical means. The upper 2' of this material, approximately 19,300 cubic yards, will be temporarily stored in barges and subsequently used as capping material for the CAD cell. The remaining approximately 237,000 cubic yards of material will be transported and disposed of at the New London Disposal Site.

The applicant is proposing to perform maintenance dredging of the waterfront areas in the vicinity of Piers 10N (North), 12S (South), 15N, 31N/S, 32N/S, 33N/S and the areas in and around the location of former Piers 4, 13, and 17. The proposed project would restore these previously dredged areas to their authorized depth of 36' below mean lower low water (MLLW), plus 2' of overdredge. These depths are necessary for submarines to manuever in the area. The area between Piers 15 and 17 contains a drydock which will be dredged to a depth of 60' below MLLW, plus 2' of overdredge to allow for proper operation of the drydock. A total of approximately 184,000 cubic yards of material will be dredged from areas totalling approximately 656,300 square feet. Any broken piles, concrete and other dredged pier debris removed during this process will be separated from the dredged sediment and will be disposed of at an approved landfill location. The material dredged, approximately 184,000 cubic yards, will be disposed of in the CAD cell.

Project design plans also include retaining and restoring a 50' buffer area from the quay wall to the alongside pier locations that would be maintained at a depth of 36' below MLLW, plus 2' of overdredge. This buffer would have a slope of approximately 2.5:1 from the toe of the existing quay wall at approximately 16' below MLLW to deeper, dredged pier area of 36' below MLLW. This minimum sloped buffer area is needed to help maintain the stability of the existing quay wall. Due to the occurrence of scouring in several places within this 50' buffer, there is a need to add replacement material to establish the desired slope. A total of approximately 4,720 cubic yards of material will be placed over an approximately 49,100 s.f. area.

The work is shown on the attached plans entitled, "SUBASE NLON Waterfront Maintenance Dredging", in one sheet, "Location of New London Disposal Site" in one sheet, and "FY09 Maintenance Dredging Sub-Base New London" in eleven sheets.

Dredged Material Disposal Mitigation Discussion:

Avoidance: 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 CAD Cell.

Minimization: The amount of material to be dredged is computed based on soundings within the area to be dredged and depths required for navigation in this area.

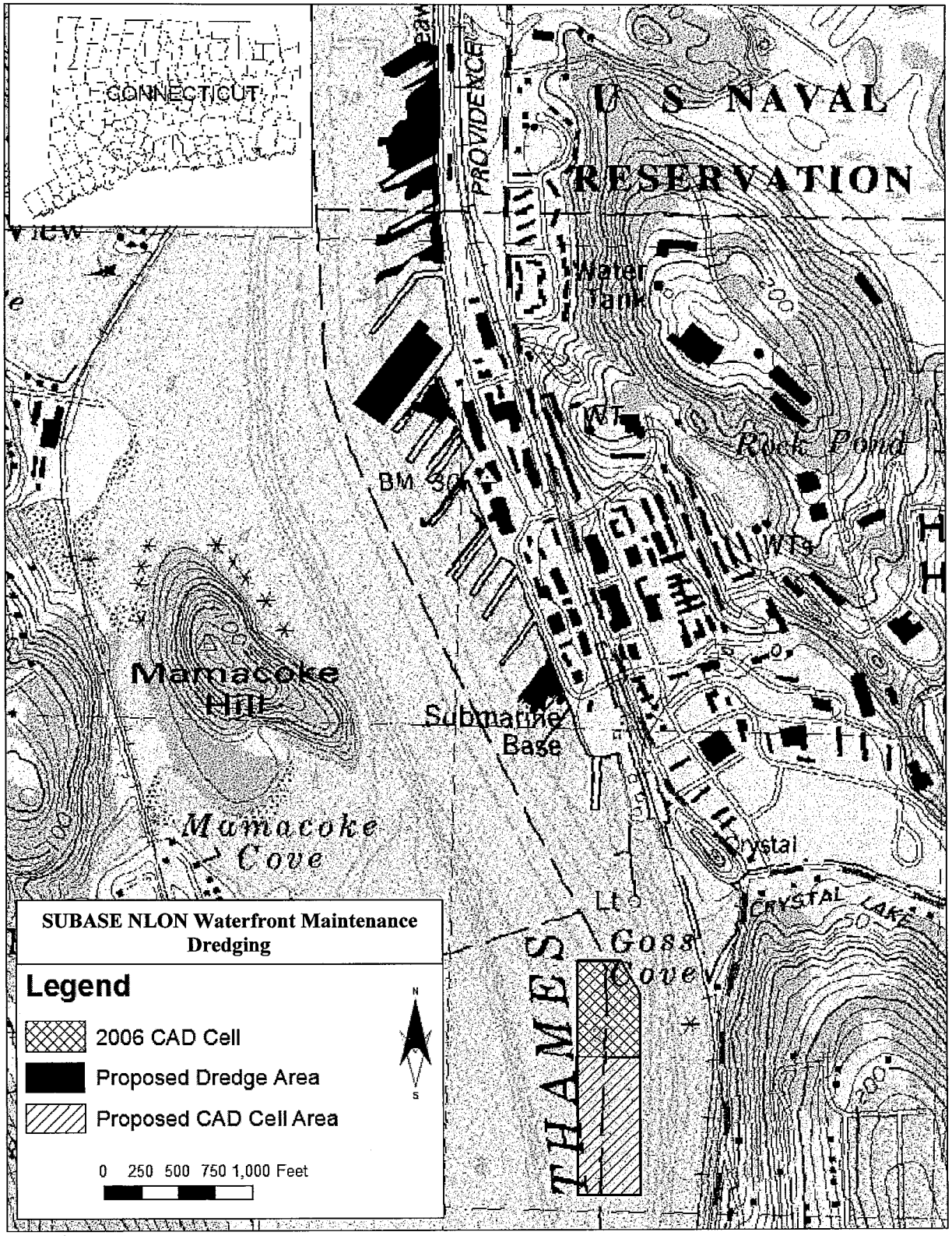
The dredged material from the creation of the CAD Cell has undergone physical and chemical analysis and has satisfied Part 227.13(b) of exclusionary criteria of the Ocean Dumping Act regulations regarding biological testing. It is our preliminary determination that the material is acceptable for disposal at the New London Disposal Site.

The dredged material from the berthing areas has undergone physical, chemical, and/or biological analysis. It is our preliminary determination that the material is acceptable for disposal in the CAD cell.

New London Disposal Site

The New London Disposal Site is used periodically for disposal of bottom sediments dredged principally from the New London, Mystic, and Groton areas. The quantity of sediments deposited at the site varies considerably each year and peaks when the Federal Channel and Navy-maintained reaches of the Thames River are dredged. Overall, the site receives approximately 200,000 cubic yards of suitable sediments annually (suitability determined through case-by-case analyses). 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.

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.


CONNECTICUT
U S NAVAL
RESERVATION
PROVIDENCE
Water Tank
WT
Rock Pond
BM 30
WTs
Mamacoke Hill
Submarine Base
Mamacoke Cove
Crystal
CRYSTAL LAKE
Goss Cove
THAMES
SUBASE NLON Waterfront Maintenance Dredging
Legend
2006 CAD Cell
Proposed Dredge Area
Proposed CAD Cell Area
0 250 500 750 1,000 Feet
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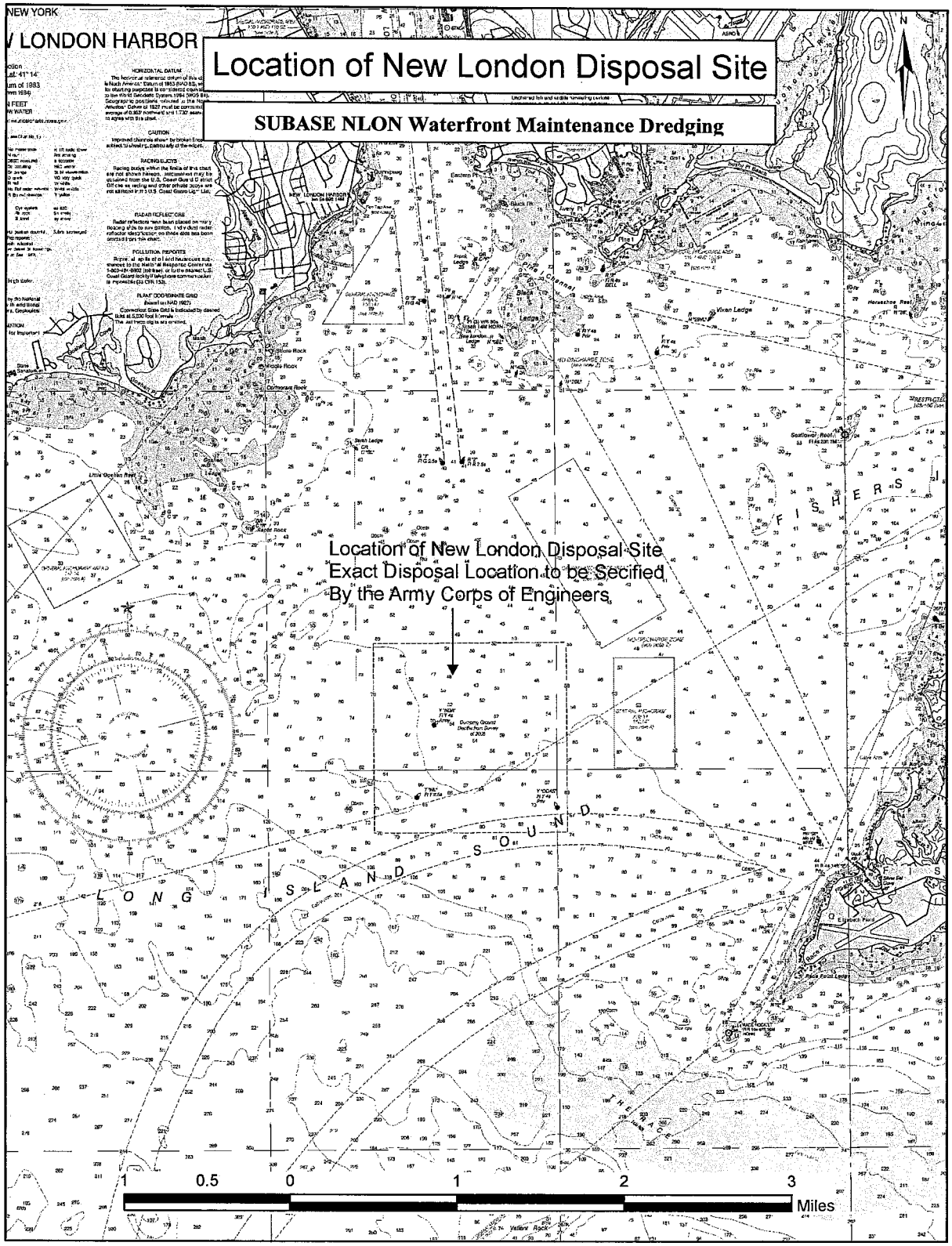
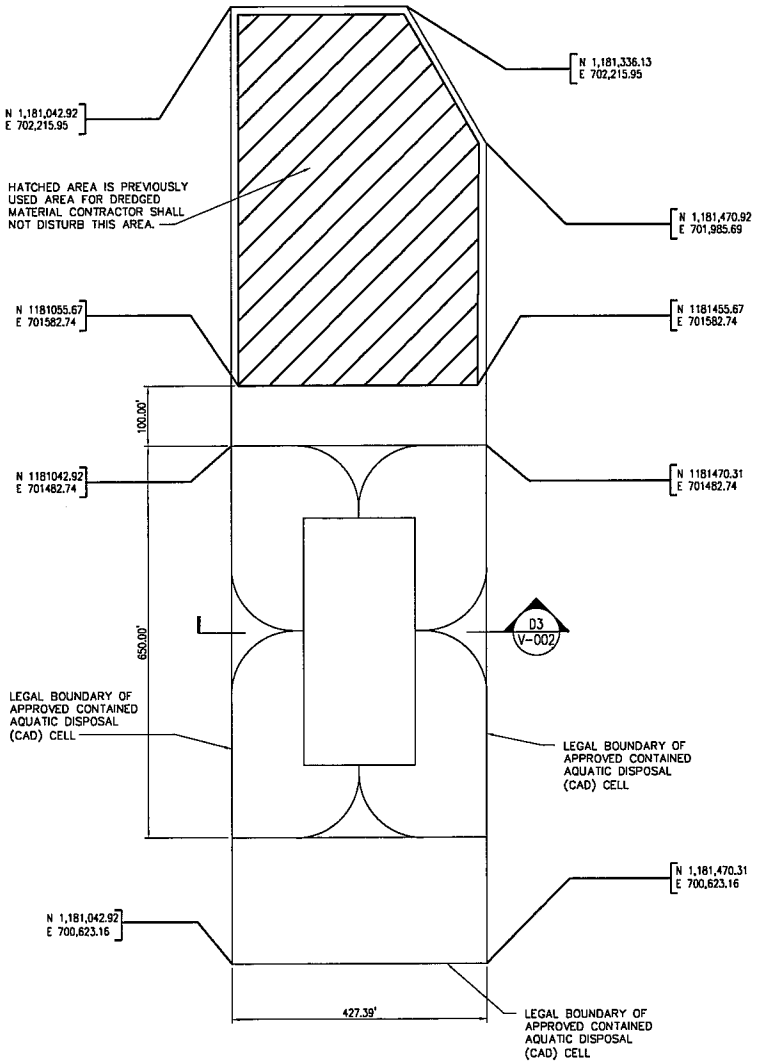
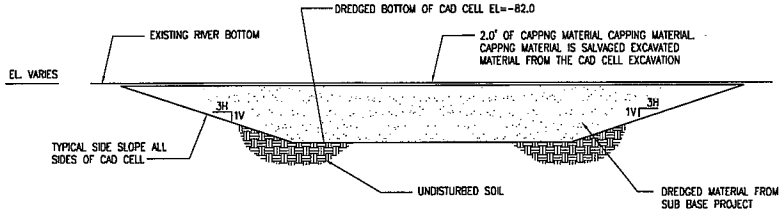

Location of New London Disposal Site
SUBASE NLON Waterfront Maintenance Dredging
Location of New London Disposal Site
Exact Disposal Location to be Secified
By the Army Corps of Engineers
LONG ISLAND SOUND
FISHERS ISLAND
N
1 0.5 0 1 2 3
Miles





VOLUME OF EXCAVATED CAD MATERIAL = 257,362 CY

SECTION

NO SCALE

V-002 D3

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

APPROVED

FOR CONSTRUCTION

DESIGNED M. SCHULTZ

DRAWN / REVISED BY DATE 2/15/09

PM/CM BHS

DES LWM DFM LWM CHK RSF

FAC PROJ/LEAD

BRANCH MANAGER L. MUKE, P.E.

CHIEF ENG/ARCH R. FITCH, P.E.

NAVAL FACILITIES ENGINEERING COMMAND

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND – MID ATLANTIC

NAVAL STATION NEWPORT • NAVAL WEAPONS STATION EARLE

SUB BASE NEW LONDON

NEW LONDON, CONNECTICUT

FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON

CAD CELL LOCATION AND SECTION

CODE IDL NO. 80081 SIZE D

SCALE: NONE

MAINT NO. N/A

JOB ORDER NO. N/A

WORK ORDER NO. N/A

CONSTR. CONTR. NO. N/A

NAVFAC DRAWING NO. 12530096

SHEET 4 OF 15

V-002

DRAWING REVISION: 0 AUG 2007

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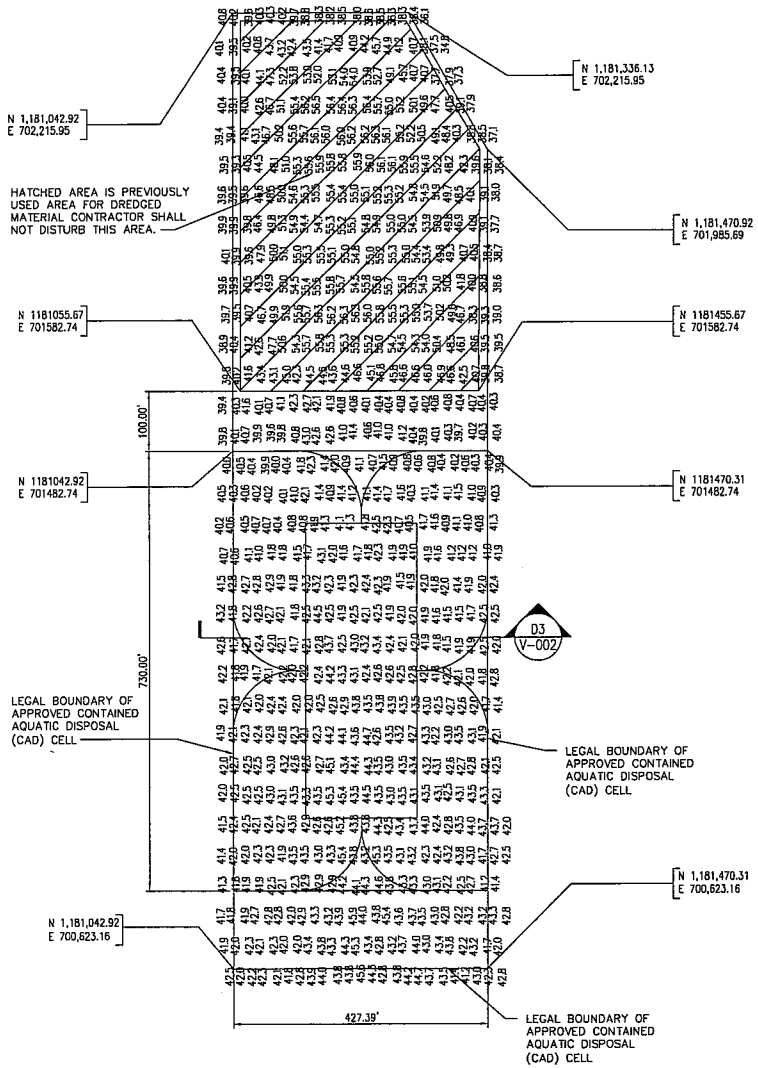

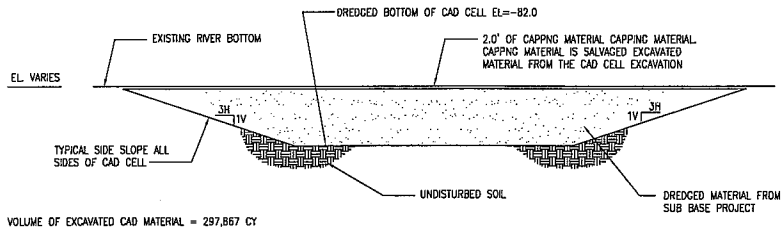

VOLUME OF EXCAVATED CAD MATERIAL = 297,867 CY

SECTION

NO SCALE

V-002 D3

NAVFAC

PRELIMINARY NOT FOR CONSTRUCTION

APPROVED FOR COMMAND REVIEW

APPROVED XXXXX

DATE DD/MM/YY

DES LM/MW	CHK WM
FIRE PROTECTION	RBF
BRANCH MANAGER	MTS
CHIEF ENGINEER	RBF

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND - MID ATLANTIC
CAPITAL IMPROVEMENTS DIVISION — WORK SHOP

SUB BASE NEW LONDON — NEW LONDON, CONNECTICUT

FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON

CAD CELL LOCATION AND SECTION

CODE IDENT. NO. 80091 — SIZE D

SCALE:

BRIDGE NO.	NA
JOB ORDER NO.	NA
WORK ORDER NO.	797375
CONSTR. CONTR. NO.	797375
NAVFAC DRAWING NO.	
SHEET 3 OF 11	

V-002

STANDARD REVISION, 6 AUG 2007

MARK	DATE	DESCRIPTION	BY

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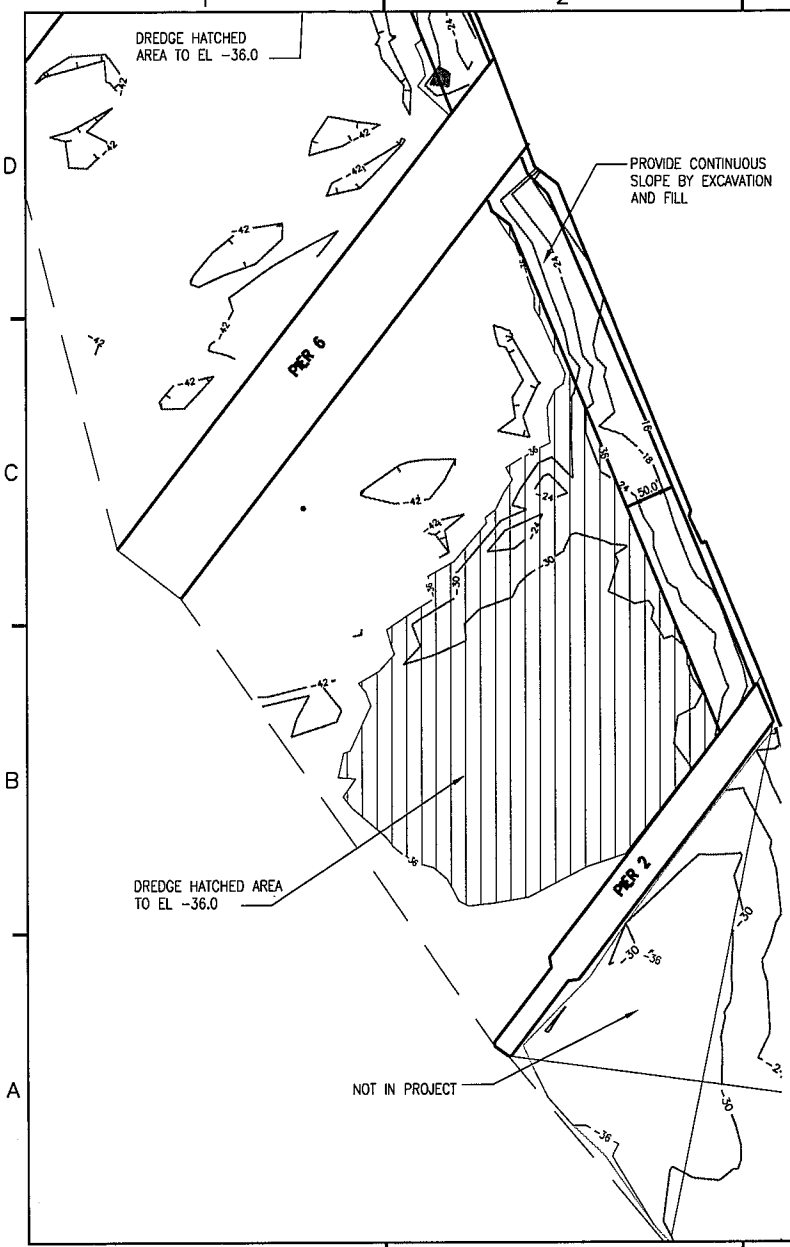

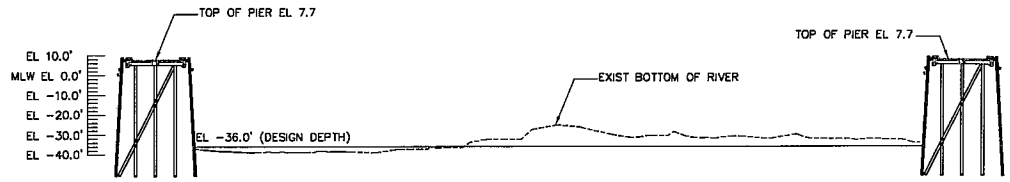

SECTION BETWEEN PIERS 2 AND 6

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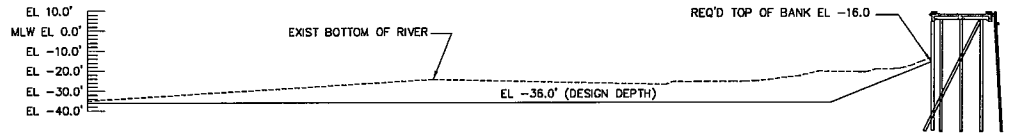
V-102 D3



SECTION THRU QUAY WALL BETWEEN PIERS 2 AND 6

SCALE 1"=30'-0"

V-102 C3

FOR JPA APPROVAL
NOT FOR CONSTRUCTION
JANUARY 2009

NAVFAC

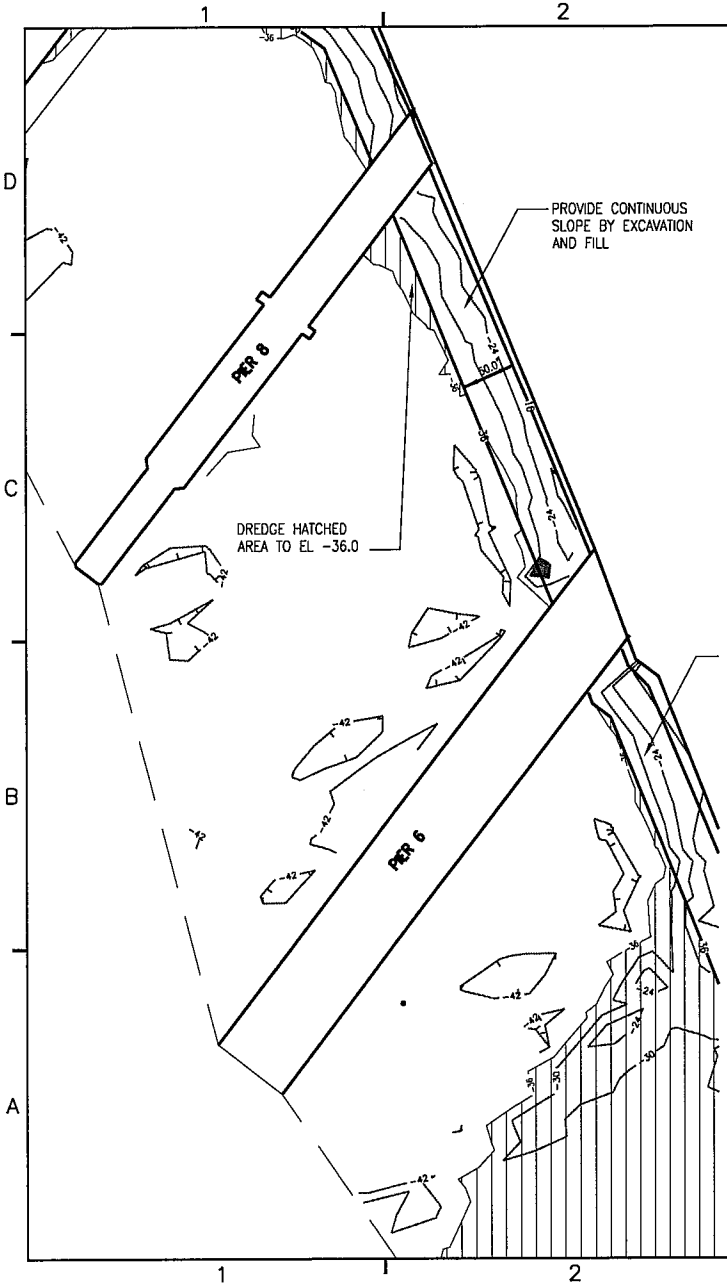
XXXXX

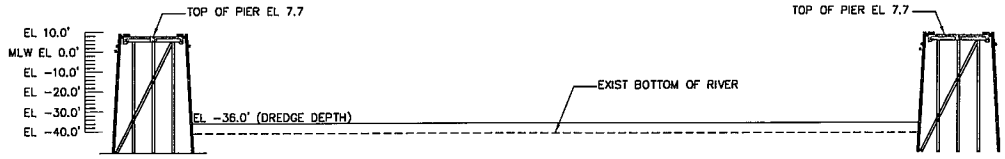
00/MM/YY

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NEW LONDON, CONNECTICUT
SUB BASE NEW LONDON
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON
PLAN AND SECTIONS PIERS 2 TO 6

SHEET 5 OF

V-102





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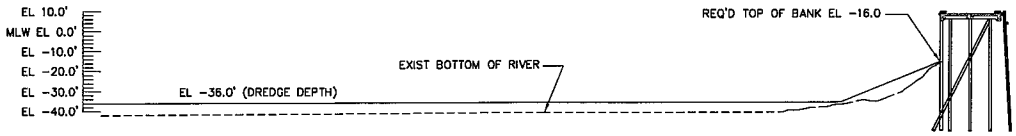
V-103 D3



SECTION THRU QUAY WALL BETWEEN PIERS 6 AND 8

SCALE 1"=30'-0"

V-103 C3

FOR JPA APPROVAL

NOT FOR CONSTRUCTION

JANUARY 2009

NAVFAC

XXXXX

ACTIVITY - INVESTIGATOR DATE 00/MM/YY

PM/CM XXX

DES DRW CHK

FIRE PROTECTION NA

BRANCH MANAGER MTS

CHIEF ENGINEER XXX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND
CONTL DIVISION - NORFOLK, VIRGINIA

NEW LONDON, CONNECTICUT
SUB BASE NEW LONDON
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON

PLAN AND SECTIONS PIERS 6 TO 8

CODE IDENT. NO. 80091 SIZE D

SCALE:

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JOB ORDER NO.

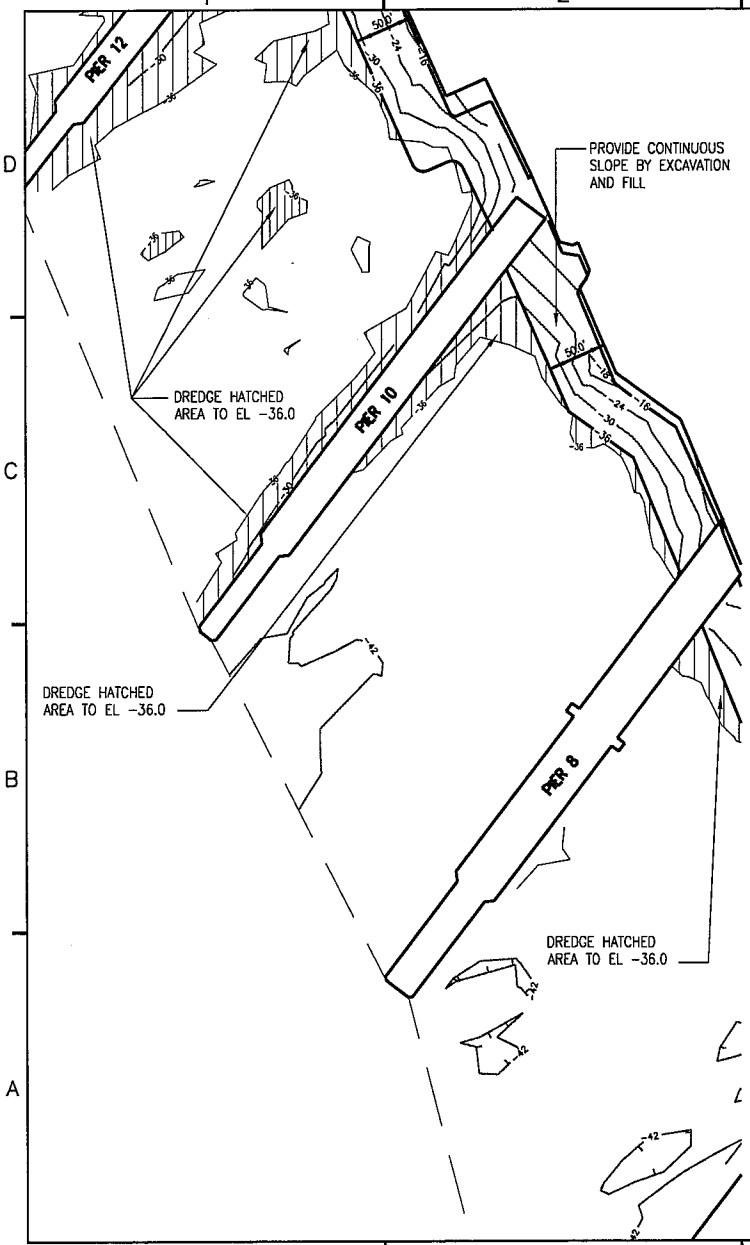
WORK ORDER NO.

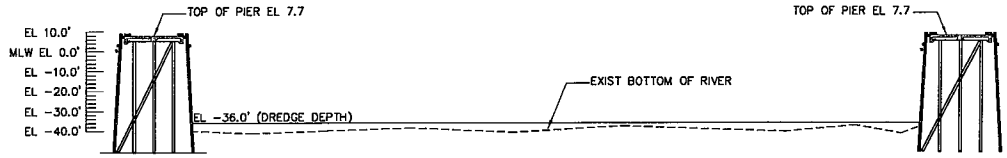
CONTR. CONTL NO.

NAVFAC DRAWING NO.

SHEET 6 OF

V-103





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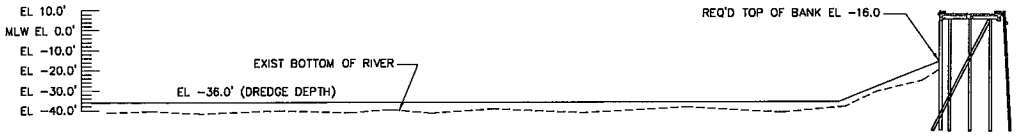
V-104 D3



SECTION THRU QUAY WALL BETWEEN PIERS 8 AND10

SCALE 1"=30'-0"

V-104 C3

FOR JPA APPROVAL
NOT FOR CONSTRUCTION
JANUARY 2009

NAVFAC

APPROVED

FOR COMMANDER NAVFAC

XXXXX

DATE DD/MM/YY

PM/CM XXX

DCS | DPM | CHK

FAC PROTECTION NA

BRANCH MANAGER MTS

CHIEF ENG/ARCH XXX

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
COMM, EMBASS + SUPPOLL, NORFOLK, VIRGINIA

CONT-FY09-7 SUB BASE NEW LONDON

NEW LONDON, CONNECTICUT
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON

PLAN AND SECTIONS PIERS 8 TO 10

CODE ID. NO. 80091 | SIZE D

SCALE:

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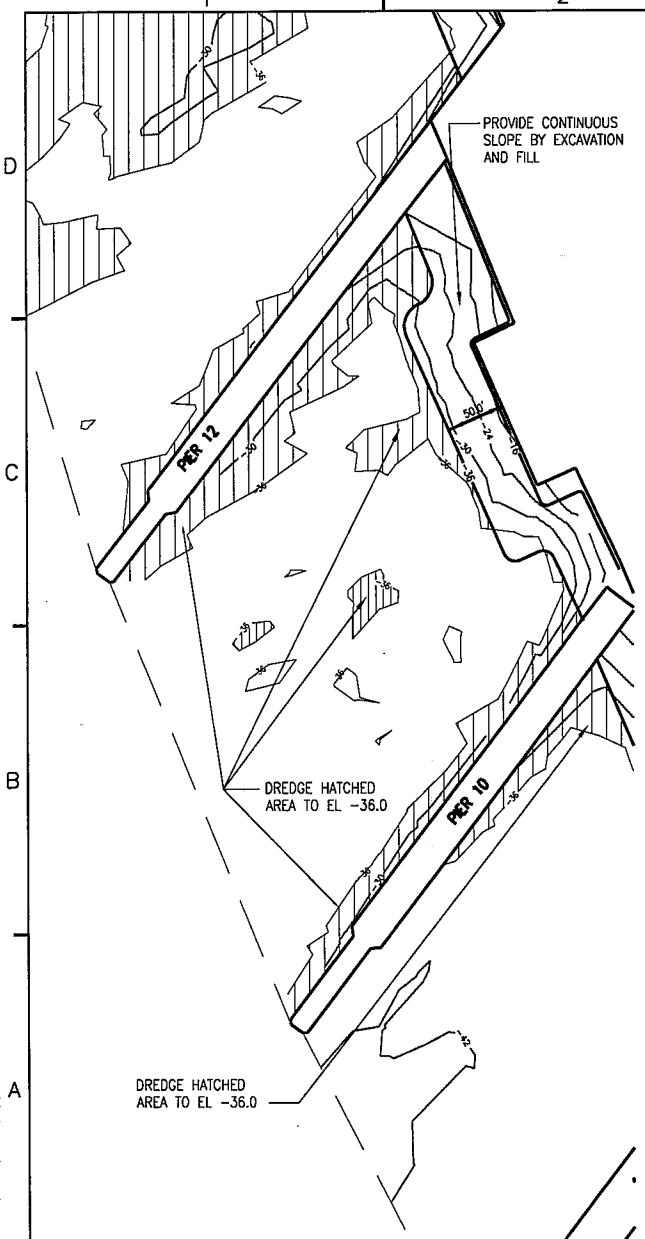
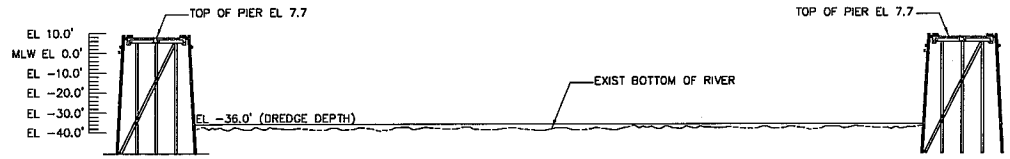
SHEET 7 OF

V-104

DRAWING REVISION 0 AUG 2007





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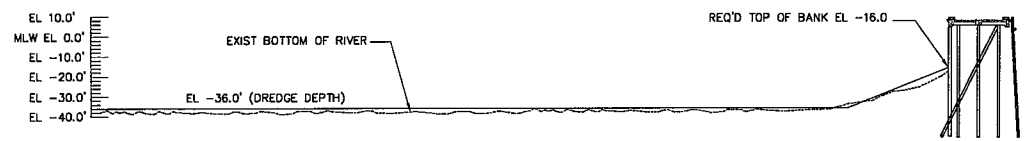

SECTION THRU QUAY WALL BETWEEN PIERS 10 AND 12

SCALE 1"=30'-0"

V-105 C3

FOR JPA APPROVAL
NOT FOR CONSTRUCTION
JANUARY 2009

NAVFAC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~
SUB BASE NEW LONDON
NEW LONDON, CONNECTICUT
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON

PLAN AND SECTIONS PIERS 10 TO 12

CODE ID. NO. 80091 SIZE D

SCALE:
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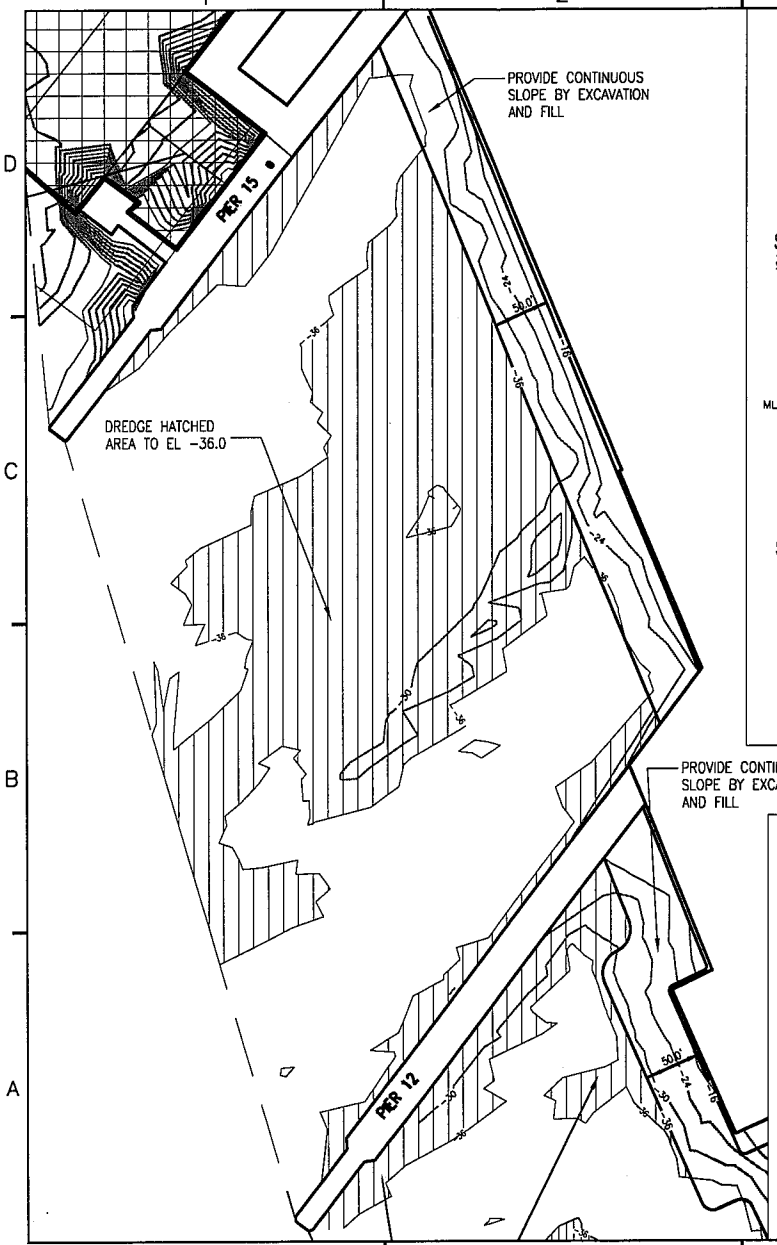
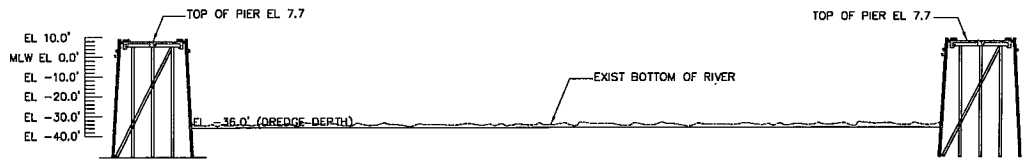
WORK ORDER NO.
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
SHEET 8 OF

V-105

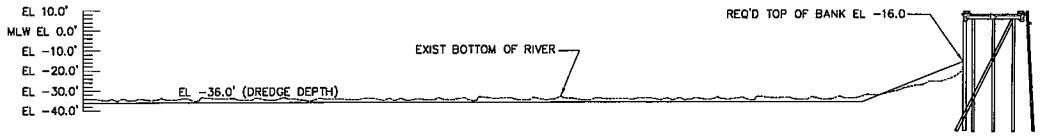




SECTION BETWEEN PIERS 12 AND 15

SCALE 1"=30'-0"

V-106 D3



SECTION THRU QUAY WALL BETWEEN PIERS 12 AND 15

SCALE 1"=30'-0"

V-106 C3

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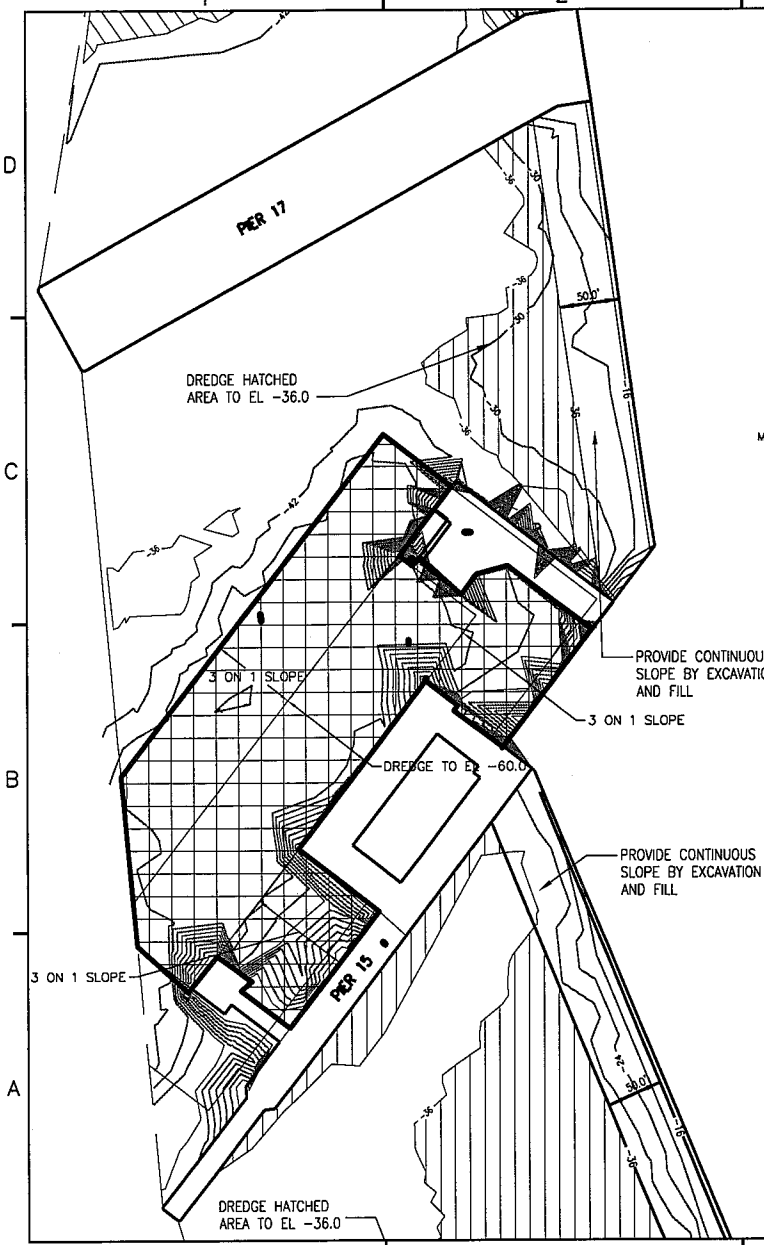
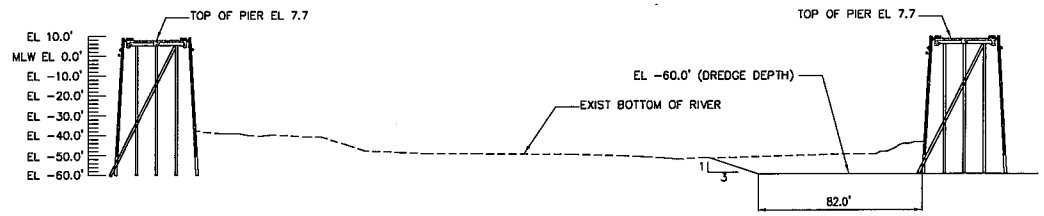
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
SUB BASE NEW LONDON
NEW LONDON, CONNECTICUT
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON
PLAN AND SECTIONS PIERS 12 TO 15

XXXXX
DD/MM/YY
NA
MTS
XXX

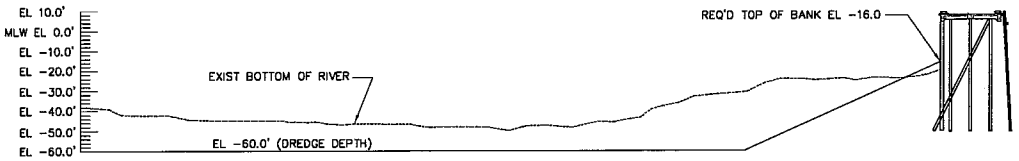
V-106





SECTION BETWEEN PIERS 15 AND 17 — V-107 B2

SCALE 1"=30'-0"



SECTION THRU QUAY WALL BETWEEN PIERS 15 AND 17 — V-107 A2

SCALE 1"=30'-0"

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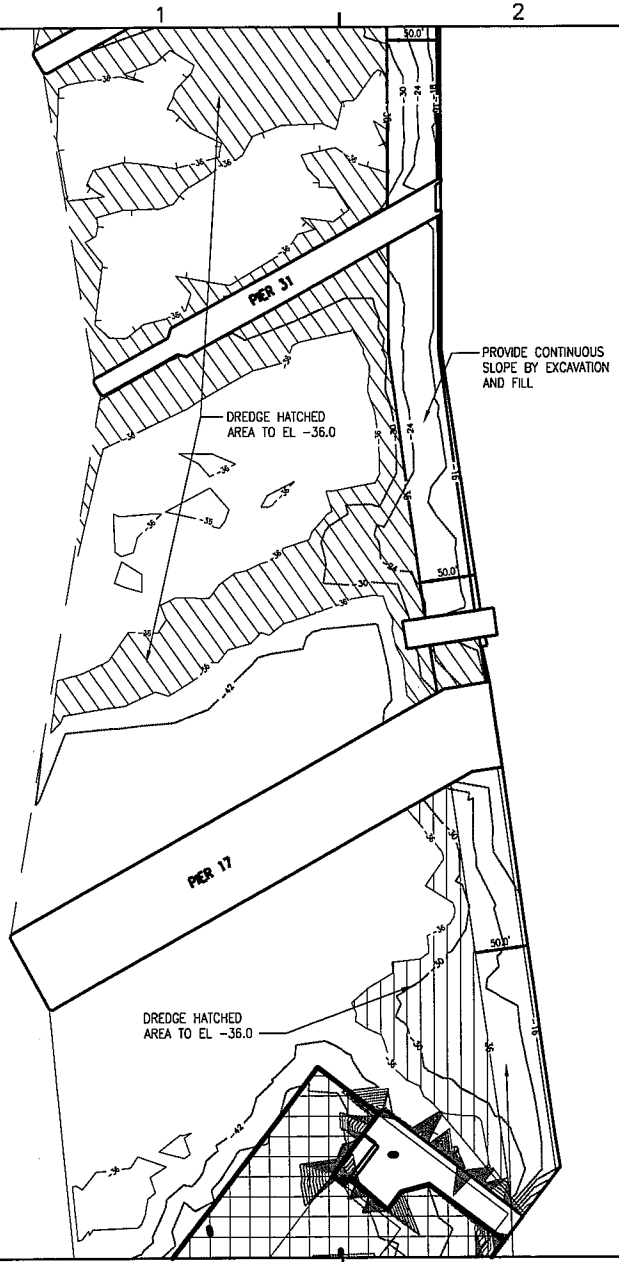
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
SUB BASE NEW LONDON
NEW LONDON, CONNECTICUT
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON
PLAN AND SECTIONS PIERS 15 TO 17

SHEET 10 OF

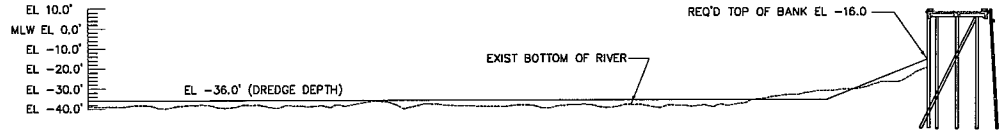
V-107



SECTION BETWEEN PIERS 17 AND 31

SCALE 1"=30'-0"

V-108 D3



SECTION THRU QUAY WALL BETWEEN PIERS 17 AND 31

SCALE 1"=30'-0"

V-108 C3

FOR JPA APPROVAL
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JANUARY 2009

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND

NEW LONDON, CONNECTICUT

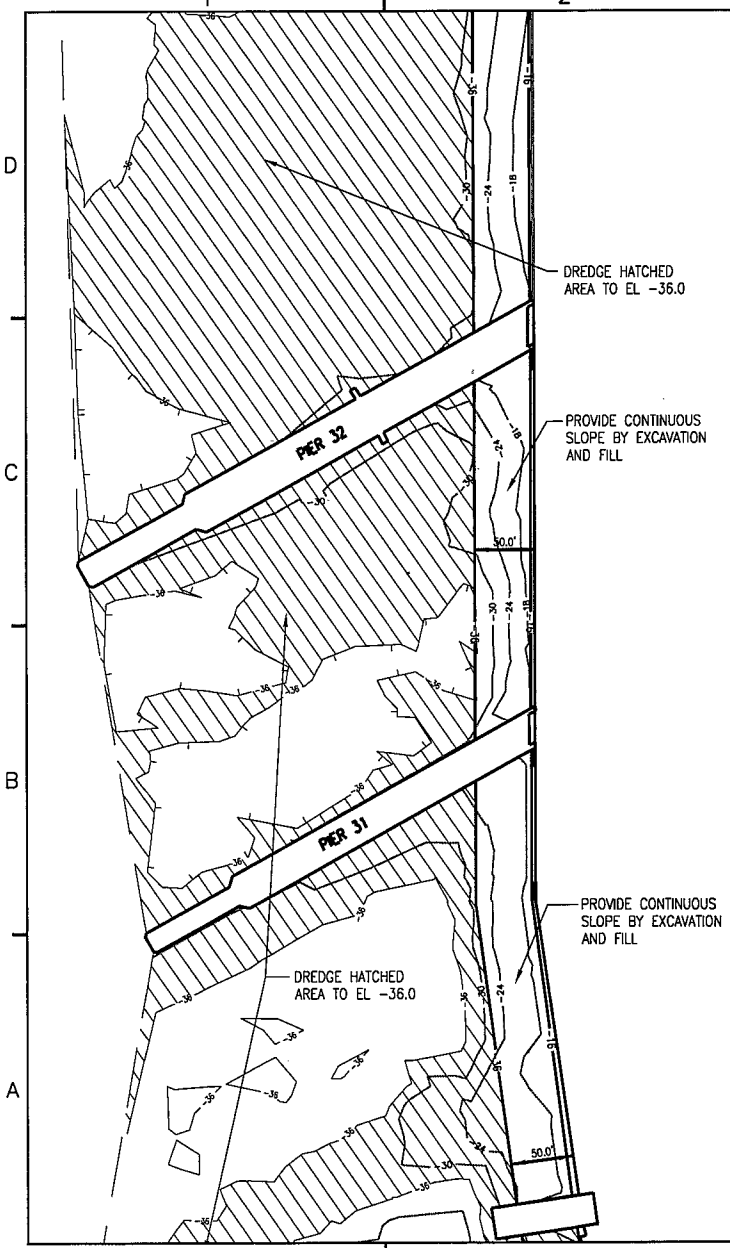
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON

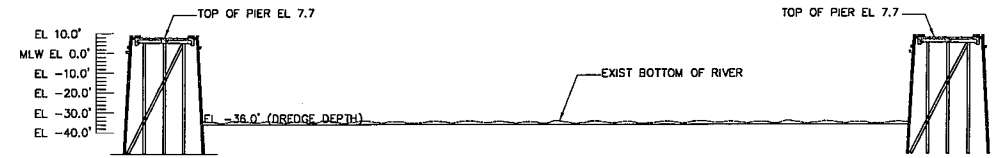
PLAN AND SECTIONS PIERS 17 TO 31

SUB BASE, NEW LONDON

SHEET 11 OF

V-108

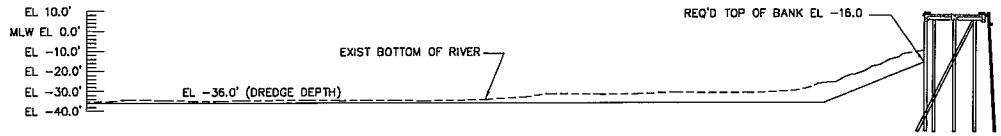




SECTION BETWEEN PIERS 31 AND 32

SCALE 1"=30'-0"

V-109 D3



SECTION THRU QUAY WALL BETWEEN PIERS 31 AND 32

SCALE 1"=30'-0"

V-109 C3

FOR JPA APPROVAL
NOT FOR CONSTRUCTION
JANUARY 2009

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APPROVED

FOR COMMANDER NAVFAC

APPROVED XXXXX

ACTIVITY - SPECIFICATION NO. DD/MM/YY

PM/DM XXX

DES DPW CHK

FWC PROTECTION NA

BRANCH BRANCH MTS

CHIEF ENG/ARCH XXX

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

NAVAL FACILITIES ENGINEERING COMMAND ~

SUB BASE NEW LONDON NEW LONDON, CONNECTICUT

FY09 MAINTENANCE DREDGING

SUB-BASE NEW LONDON

PLAN AND SECTIONS PIERS 31 TO 32

CODE ID. NO. 80091 SIZE D

SCALE:

DRWG NO.

JOB ORDER NO.

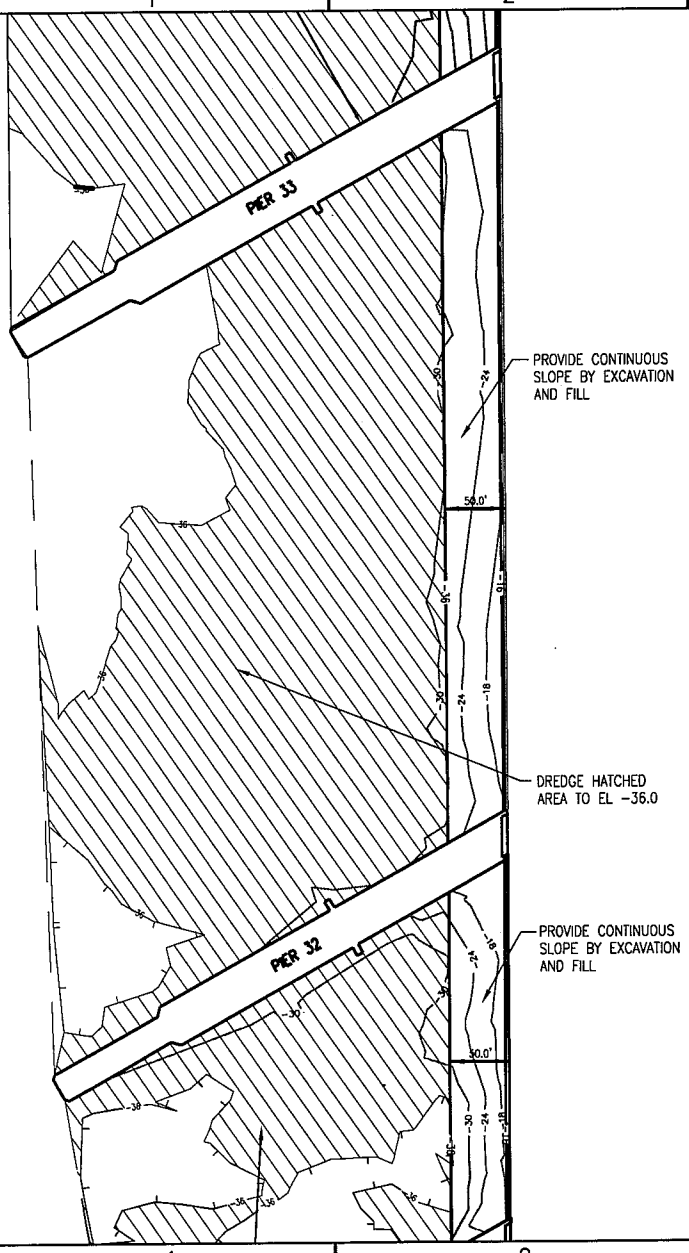
WORK ORDER NO.

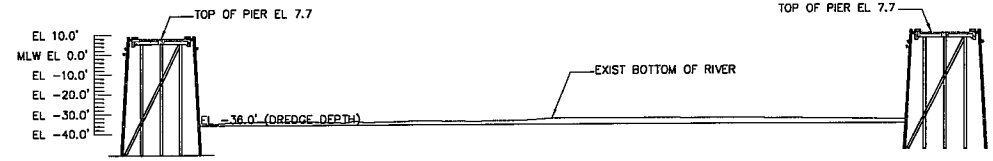
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET 12 OF

V-109

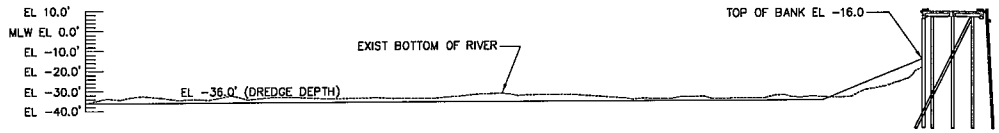




SECTION BETWEEN PIERS 32 AND 33

SCALE 1"=30'-0"

V-110 D3



SECTION THRU QUAY WALL BETWEEN PIERS 32 AND 33

SCALE 1"=30'-0"

V-110 C3

FOR JPA APPROVAL
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JANUARY 2009

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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND –
SUB BASE NEW LONDON
NEW LONDON, CONNECTICUT
FY09 MAINTENANCE DREDGING
SUB-BASE NEW LONDON
PLAN AND SECTION PIERS 32 TO 33

SHEET 13 OF

V-110

Summary of EFH Designation for the 10' x 10' square quadrant inclusive of the Subase Waterfront and Thames River Navigation Channel

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 *(Salmo salar)*			X	X
pollock *(Pollachius virens)*			X	X
red hake *(Urophycis chuss)*	X	X	X	X
windowpane flounder *(Scopthalmus aquosus)*	X	X	X	X
Atlantic sea herring *(Clupea harengus)*			X	X
monkfish *(Lophius americanus)*				X
bluefish *(Pomatomus saltatrix)*			X	X
king mackerel *(Scomberomorus cavalla)*	X	X	X	X
Spanish mackerel *(Scomberomorus maculatus)*	X	X	X	X
cobia *(Rachycentron canadum)*	X	X	X	X
sand tiger shark *(Odontaspis taurus)*		X		

Summary of EFH Designation for the 10' x 10' Square Quadrant Inclusive the New London Disposal Site

Boundary	North	East	South	West
Coordinate	41° 20.0' N	72° 00.0' W	41° 10.0' 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: the northeast tip of Plum I., Great Gull I., Little Gull I., the western third of Fishers I., Flat Hammock, South Dumpling, and North Dumpling. These waters also affect the following south of Groton, CT., from Groton Long Point to Millstone Point just east of Niantic Bay, including south of the entrance to New Long Harbor, and south of the following: Mumford Point, Poquonock Point, Avery East Point, Eastern Point, and Goshen Point. In addtition, these waters affect the following: western Fishers Island Sound, North Hill and Hay Harbors, New London Harbor, western West Harbor, Silver Eel Cove, Mumford Cove, and the entrance to the Thames River. Finally, the following features are affected: Constellation Rock, Old Silas Rock, Valiant Rock, Little Goshen Reef, Twotree I., Twotree I. Channel, Bartlett Reef, Goshen Ledge, Rapid Rock, Flat Rock, High Rock, Cormorant Rock, Sarah Ledge, Black Ledge, Vixen Ledge, New London Ledge, Black Ledge, Pine I., Pine I. Channel, Frank Ledge, Black Rock, Jordan Cove, and Pleasure Beach, along with a dumping ground just south of New London Harbor.

Species	**Eggs**	**Larvae**	**Juveniles**	**Adults**
Atlantic salmon *(Salmo salar)*			X	X
red hake *(Urophycis chuss)*				X
Atlantic sea herring *(Clupea harengus)*				X
monkfish *(Lophius americanus)*				
bluefish *(Pomatomus saltatrix)*			X	X
king mackerel *(Scomberomorus cavalla)*	X	X	X	X
Spanish mackerel *(Scomberomorus maculatus)*	X	X	X	X
cobia *(Rachycentron canadum)*	X	X	X	X
sand tiger shark *(Odontaspis taurus)*		X		
dusky shark *(Charcharinus obscurus)*			X	
bluefin tuna *(Thunnus thynnus)*				X