

Connecticut Department of Energy and Environmental Protection License*

Section 401 Water Quality Certification Federal Coastal Consistency Concurrence

Licensee(s): United States Department of the
Navy, Naval Submarine Base
New London (SUBASENLON),
c/o Christopher Koproski

Licensee Address(s): Box 400, Route 12
Groton, CT 06349

License Number(s): 202401101-WQC FCC

Municipality: City of Groton

Project Description: Construct an extension to an existing pier and conduct new dredging with sediment disposal within an existing riverine CAD cell for marine industrial and national security.

Project Address/Location: Pier 31 at SUBASENLON

Waters: Thames River

Authorizing CT Statute(s) CGS Section 22a-359 to 363g; CGS Section 22a-90 to 112;
and/or Federal Law: Section 401 CWA (33 USC 1341); CZMA 307(c)(1), 15 CFR 930

Applicable Regulations of 22a-426-1 to 9
CT State Agencies:

Agency Contact: Land & Water Resources Division,
Bureau of Water Protection & Land Reuse, 860-424-3019

License Expiration: Five (5) years from the date of issuance of this license.

Project Site Plan Set: Twenty-four (24) sheets of plans prepared by NAVFAC received January 25, 2024.

*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

License Enclosures: LWRD Dredging and General Conditions; LWRD Dredging Report; LWRD Work Commencement Form; LWRD Compliance Certification Form; Site Plan Set

Authorized Activities:

The Licensee is hereby authorized to conduct the following work as described in application # 202401101-WQC FCC and as depicted on any site plan sheets / sets cited herein:

1. Pier 31 Extension
 - a. construct an 86.3' long steel pipe pile (concrete-filled) supported pier extension with a concrete deck, mooring fittings, an integrated composite fender system, relocation of the electrical switching gear, improvements to the electrical, fire protection and compressed air systems and installation of fender camels;
2. Dredging
 - a. using mechanical dredging equipment, remove approximately 44,000 cubic yards of sediment from an approximately 176,000 square foot area on either side of Pier 31 to a depth of -40' mean lower low water ("MLLW") with an allowable 2' of over-dredge and widening of the navigation channel in the Thames River for a turning basin to a depth of -36' MLLW with an allowable 2' of over-dredge;
 - b. place the dredged material in scows and transport the material to the existing Confined Aquatic Disposal ("CAD") cell #2 located within the Thames River; and
3. Security Barrier
 - a. relocate the existing security barrier west of its current location and install two (2) new anchor points and buoys consisting of 9½' wide by 9½' long square floats connected to 10-ton 5' wide by 5' long by 5' high anchors.

Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee's contractor(s) to enforcement actions and penalties as provided by law.

This license is subject to the following Terms and Conditions:

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. The approximately 44,000 cubic yards of sediment authorized herein shall be disposed of within the existing CAD cell located within the Thames River.
3. The Licensee shall ensure that the approximately 44,000 cubic yards of material is managed in accordance with all applicable requirements of Chapter 446k Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
4. All unconfined in-water work shall be prohibited between February 1st through May 15th, inclusive, of any calendar year to protect winter flounder, April 1st through June 30th,

inclusive, of any calendar year to protect anadromous finfish, and June 1st through September 30th, inclusive, of any calendar year to protect spawning shellfish, unless otherwise authorized in writing by the Commissioner.

5. All work authorized herein shall be conducted using water-based equipment. At no time shall the Licensee allow the barge or equipment to rest on the substrate. Any such barge must move to deeper waters during periods of low water in the area of the proposed activity. It shall not be a defense to this provision for the Licensee to assert that it has no control over the operation of the barge.
6. Prior to the commencement of the work authorized herein the Licensee shall obtain all necessary local, state and federal authorizations for the work authorized herein.
7. All waste material generated by the performance of the work authorized herein shall be placed by the Licensee at an upland site approved for the placement of such waste materials, as applicable. The Licensee shall ensure that no waste material enters the Thames River and must immediately remove any debris that enters the water.
8. On or before ninety (90) days after completion of the work authorized herein, the Licensee shall submit to the Commissioner an “as-dredged” survey of the work area showing contours, bathymetries, tidal datums, including any proposed elevation views and cross-sections included in the license. Such plans shall be the originals and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

Date

Emma Cimino
Deputy Commissioner
Department of Energy & Environmental Protection

LWRD Dredging and General Conditions

1. **Time-of-Year Restriction.** Unless otherwise noted in the License, unconfined in-water excavation, dredging, filling or removal of debris or other material is prohibited, inclusive, in any year from June 1 through September 30 in order to protect spawning shellfish in the area unless otherwise authorized in writing by the Commissioner.
2. **Dredging Report.** Not later than two (2) weeks subsequent to the completion of any dredging activity authorized herein, the Licensee shall submit to DEEP.LWRDRegulatory@ct.gov a completed Dredging Report. A separate form shall be submitted by the Licensee for each distinct dredging activity conducted pursuant to this license.
3. **Bottom Disturbance.** Dragging the bottom with a spoil barge, scow, vessel, beam or similar equipment outside of any authorized area is prohibited.
4. **Material Handling.** Sidecasting or in-water rehandling of dredged or excavated material is prohibited.
5. **Barge Control.** Spoil scows or barges shall be loaded and navigated in a manner which prevents uncontrollable motion or spillage and washout of dredged or excavated materials.
6. **Sale of Sediment.** Sediment dredged pursuant to the license shall not be sold nor shall any fee for its use be charged without the express prior written authorization of the Commissioner and payment of a \$4.00 per yard royalty to the state of Connecticut Department of Energy & Environmental Protection, pursuant to CGS section 22a-361(e).
7. **Sediment Disposal.** The Licensee shall dispose of aquatic sediments in accordance with the terms and conditions of the license.
8. **Submission of As-Dredged Plans.** On or before ninety (90) days after completion of the work authorized herein, the Licensee shall submit to DEEP.LWRDRegulatory@ct.gov an “as-dredged” survey of the work area showing contours, bathymetries, tidal datums and structures, as applicable. Such survey shall be the original one and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.

Open Water Disposal, if authorized in Project Description

1. **Material Disposal.** The Licensee shall dispose of dredged or excavated material in accordance with the requirements of the United States Army Corps of Engineers-New England District, except that if the authorized disposal site is modified, the Licensee shall submit a request for modification of the location to the Commissioner and shall not dispose of the material until such location modification has been approved in writing by the Commissioner.

2. **Disposal Site / Use Modification.** The Commissioner may modify the authorized disposal site and direct dredged sediment to an alternate site for use as cap material, provided that no modification will take effect if such modification imposes uncompensated additional costs solely attributable to such modification on the Licensee.
3. **Disposal Monitoring.** The Licensee shall not dispose of dredged or excavated material unless said disposal is supervised and witnessed by an on-board inspector or documented by an automated disposal monitoring program approved by the United States Army Corps of Engineers-New England District.
4. **Barge Navigation.** Spoil scows or barges used by the Licensee for disposal of dredged or excavated material shall travel to and from the authorized disposal site utilizing sea lanes defined by the United States Army Corps of Engineers-New England District.
5. **Point Dumping.** The Licensee shall point-dump dredged or excavated materials at a specified buoy or set of coordinates identified by United States Army Corps of Engineers-New England District within the authorized disposal site.

LWRD General Conditions

1. **Land Record Filing.** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to DEEP.LWRDRegulatory@ct.gov no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
2. **Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
3. **Work Commencement.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to DEEP.LWRDRegulatory@ct.gov, on the Work Commencement Form attached hereto, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
 - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
 - For emergency activities authorized pursuant Connecticut General Statutes Section

22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.

4. **License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
5. **Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.
6. **Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.
7. **Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.
8. **In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:
 - do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
 - are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.
9. **Work Site Restoration.** Upon completion of any authorized work, the Licensee shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.
10. **Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.

11. Change of Use. (Applies only if a use is specified within the License “Project Description”)

- a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
- b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.

12. De Minimis Alteration. The Licensee shall not deviate from the authorized activity without prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

13. Extension Request. The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to DEEP.LWRDRegulatory@ct.gov at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner’s sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

14. No Work After License Expiration. Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

15. License Transfer. The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee’s obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

16. Document Submission. Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

DEEP.LWRDRegulatory@ct.gov or

Regulatory Section
Land & Water Resources Division
Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127
860-424-3019

- 17. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in the license, the word “day” as used in the license means calendar day. Any document or action which is required by the license to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
- 18. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: “I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”
- 19. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
- 20. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
- 21. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or

may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the agency contact specified within the license and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the agency contact, the Licensee shall provide, for the agency's review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

22. Revocation/Suspension/Modification. The license may be revoked, suspended, or modified in accordance with applicable law.

23. Other Required Approvals. License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.

24. Rights. The license is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.

25. Condition Conflicts. In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.



LWRD DREDGING REPORT
(To be completed by Licensee)

License No(s): _____
Licensee Name: _____
Address of Dredging Activity: _____

Dredging Contractor Information:
Name: _____
Mailing Address: _____
Business Phone: _____
Contact Person: _____
E-mail: _____

Dates Dredged: _____
Total Volume Dredged during this period: _____
Disposal Volume(s) and Location(s): _____

**If any portion of the dredged materials was used in a beneficial manner, please identify the beneficial use type (i.e. beach nourishment, habitat restoration, landfill cap, construction materials...), volume of dredged material utilized and the location of beneficial usage.

Document Certification:

“I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”

Signature of Licensee Date _____

If you have any questions pertaining to this form, please contact the Land & Water Resources Division at 860-424-3034.

Return to:
DEEP.LWRDRegulatory@ct.gov or
Land & Water Resources Division
State of Connecticut Department of Energy & Environmental Protection
79 Elm Street
Hartford, CT 06106-5127



LWRD Work Commencement Form

To: DEEP.LWRDRegulatory@ct.gov or
Regulatory Section
Department of Energy and Environmental Protection
Land & Water Resources Division
79 Elm Street
Hartford, CT 06106-5127

Licensee Name: _____

Municipality in which the project is occurring: _____

DEEP License No(s): _____

CONTRACTOR(s):

1 Name: _____
Address: _____
Telephone: _____
E-mail: _____

2 Name: _____
Address: _____
Telephone: _____
E-mail: _____

3 Name: _____
Address: _____
Telephone: _____
E-mail: _____

Date Contractor(s) received a copy
of the license and approved plans: _____

EXPECTED DATE OF COMMENCEMENT OF WORK: _____

EXPECTED DATE OF COMPLETION OF WORK: _____

LICENSEE: _____
(Signature) (Date)



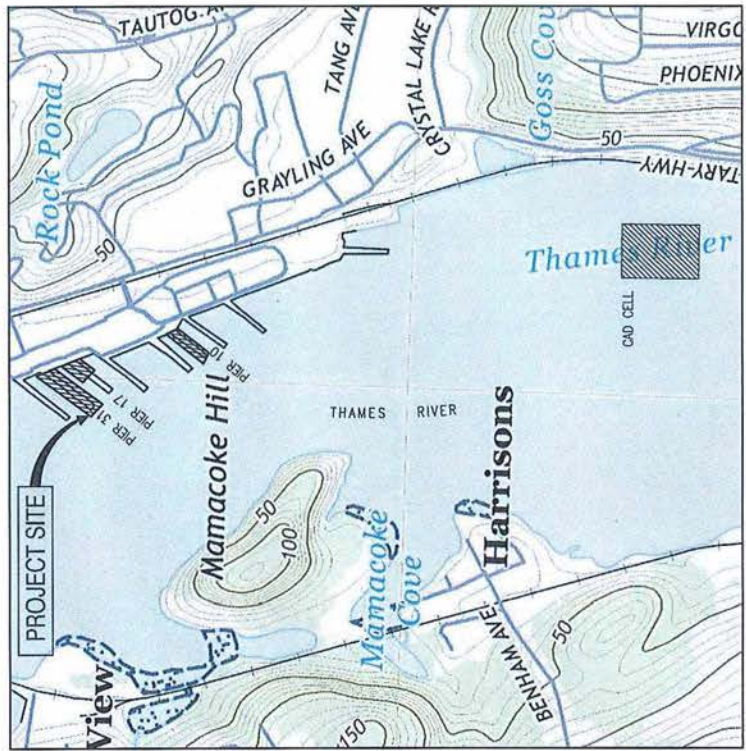
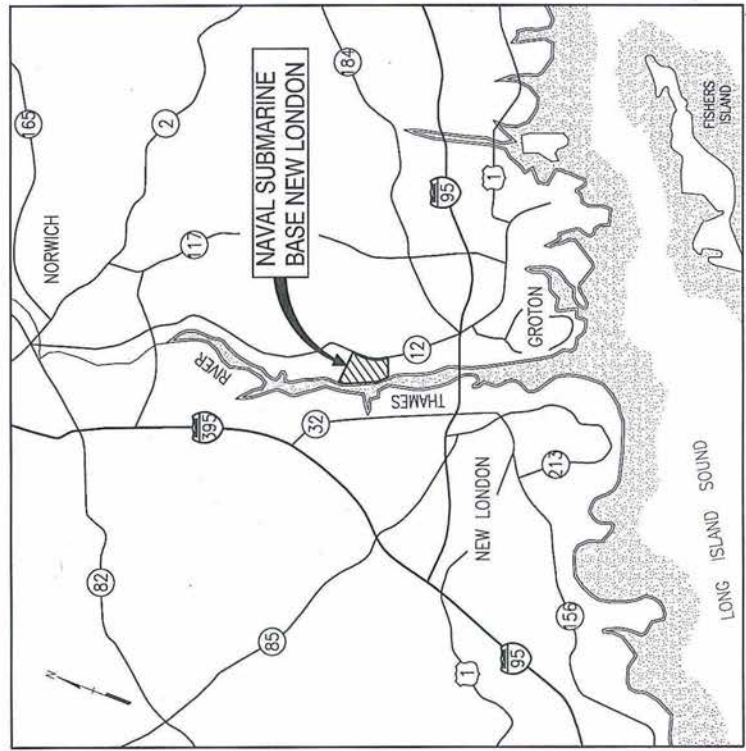
Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name: _____ DEEP License Number(s): _____ Municipality in which project is occurring: _____	
2. Check one: (a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form. (b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
_____ Signature of Licensee	_____ Date
_____ Name of Licensee (print or type)	
_____ Signature of CT-Licensed Design Professional	_____ Date
_____ Name of CT-Licensed Design Professional (print or type)	
_____ Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"> As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut. The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance. <p>Submit this completed form to : DEEP.LWRDRegulatory@ct.gov or Regulatory Section Department of Energy and Environmental Protection Land & Water Resources Division 79 Elm Street Hartford, CT 06106-5127</p>	

P-1044 SUBMARINE PIER 31 EXTENSION NAVAL SUBMARINE BASE NEW LONDON

GROTON, CONNECTICUT



DRAWING NO	DRAWING TITLE
G-001	TITLE SHEET
G-101	OVERALL SITE PLAN
G-102	GENERAL ARRANGEMENT PLANS
G-103	GENERAL ARRANGEMENT SECTION
G-104	LAYOUT PLAN
G-105	BATHOMETRIC SURVEY
G-106	WATERCOURSE IMPACTS
G-107	CONTRACTOR ACCESS ROUTE PLAN
V-101	EXISTING PIER 31 LANDSIDE
V-102	PIER 31 EXISTING CONDITIONS - SHEET 2 OF 2
V-103	PIER 31 EXISTING CONDITIONS - SHEET 1 OF 2
B-101	TOP OF BEDROCK CONTOUR PLAN
C-001	CIVIL LEGEND ABBREVIATIONS & GENERAL NOTES
CD101	SITE DEMOLITION PLAN - CRANE WEIGHT HANDLING AREA
C-101	SITE PLAN - PIER 31 LANDSIDE
C-102	SITE PLAN - CRANE WEIGHT HANDLING
C-103	UTILITY PLAN - PIER 31
C-501	EROSION CONTROL NOTES & DETAILS
CN101	OVERALL DREDGING PLAN
CN102	DREDGING PLAN - TURNING BASIN
CN103	NORTH BERTH DREDGING SITE PLAN
CN104	SOUTH BERTH DREDGING SITE PLAN
CN105	CAD CELL PLAN
CNS01	DREDGING TYPICAL SECTIONS

NAVY FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CT

AS NOTED
NAVAL SUBMARINE BASE NEW LONDON
P1044 SUBMARINE PIER 31 EXTENSION

DATE: 05/20/2013
DRAWN BY: J. J. J. J.
CHECKED BY: J. J. J. J.
SCALE: AS SHOWN
SHEET: CT-DEEP
G-001

PRELIMINARY
NOT FOR CONSTRUCTION

NAVY FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CT

DATE: 05/20/2013
DRAWN BY: J. J. J. J.
CHECKED BY: J. J. J. J.
SCALE: AS SHOWN
SHEET: CT-DEEP
G-001



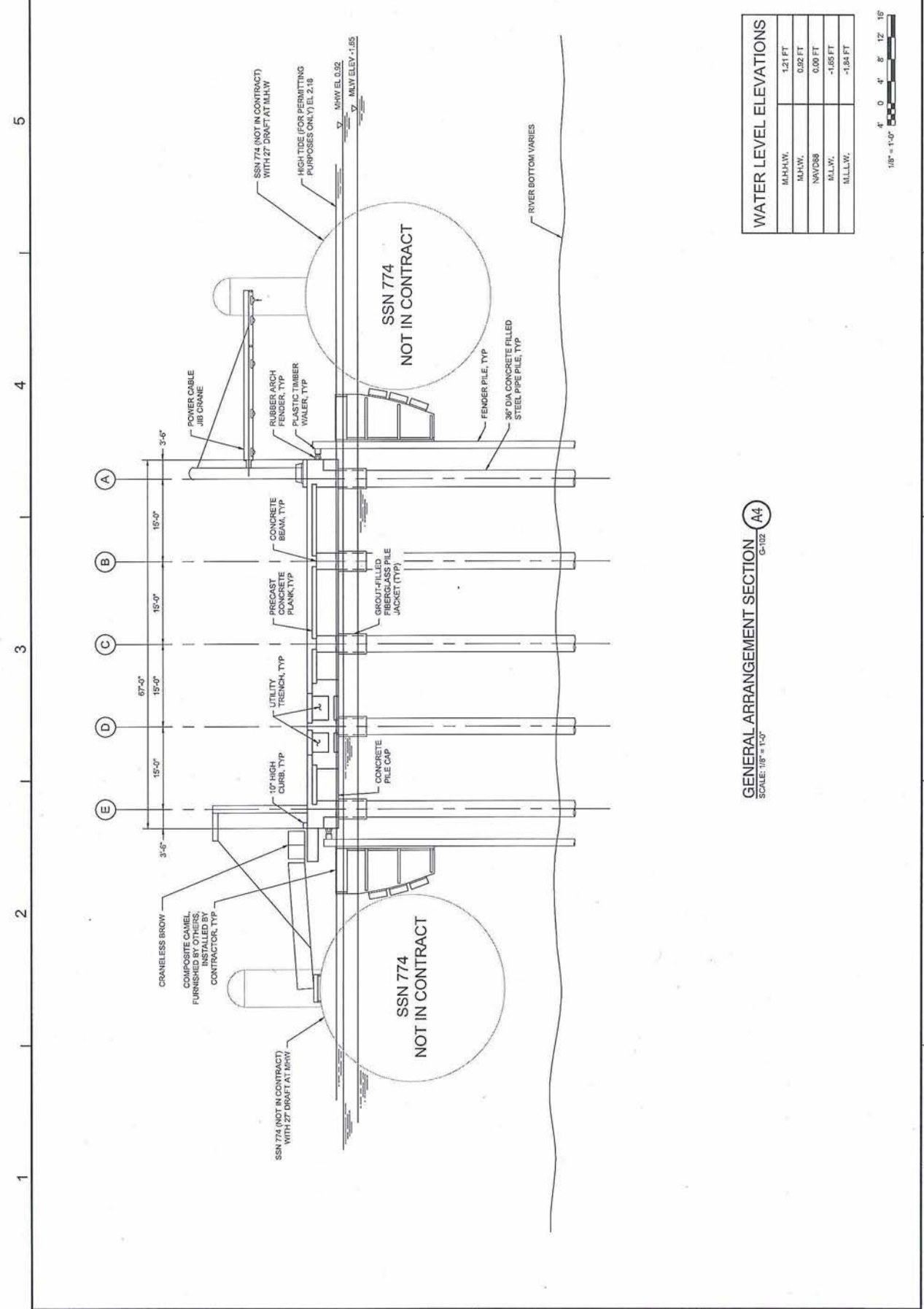
NOTES:
 1. NAVY IS NOT SEEKING APPROVAL FOR DEMOLITION OF PIER 10 AND PIER 17 STUB, WHICH WERE PREVIOUSLY PERMITTED UNDER THE PIER 32 PROJECT BY USACE (NAE-2013-0190) AND CT-DEEP WOC & FCC (#20198859.)




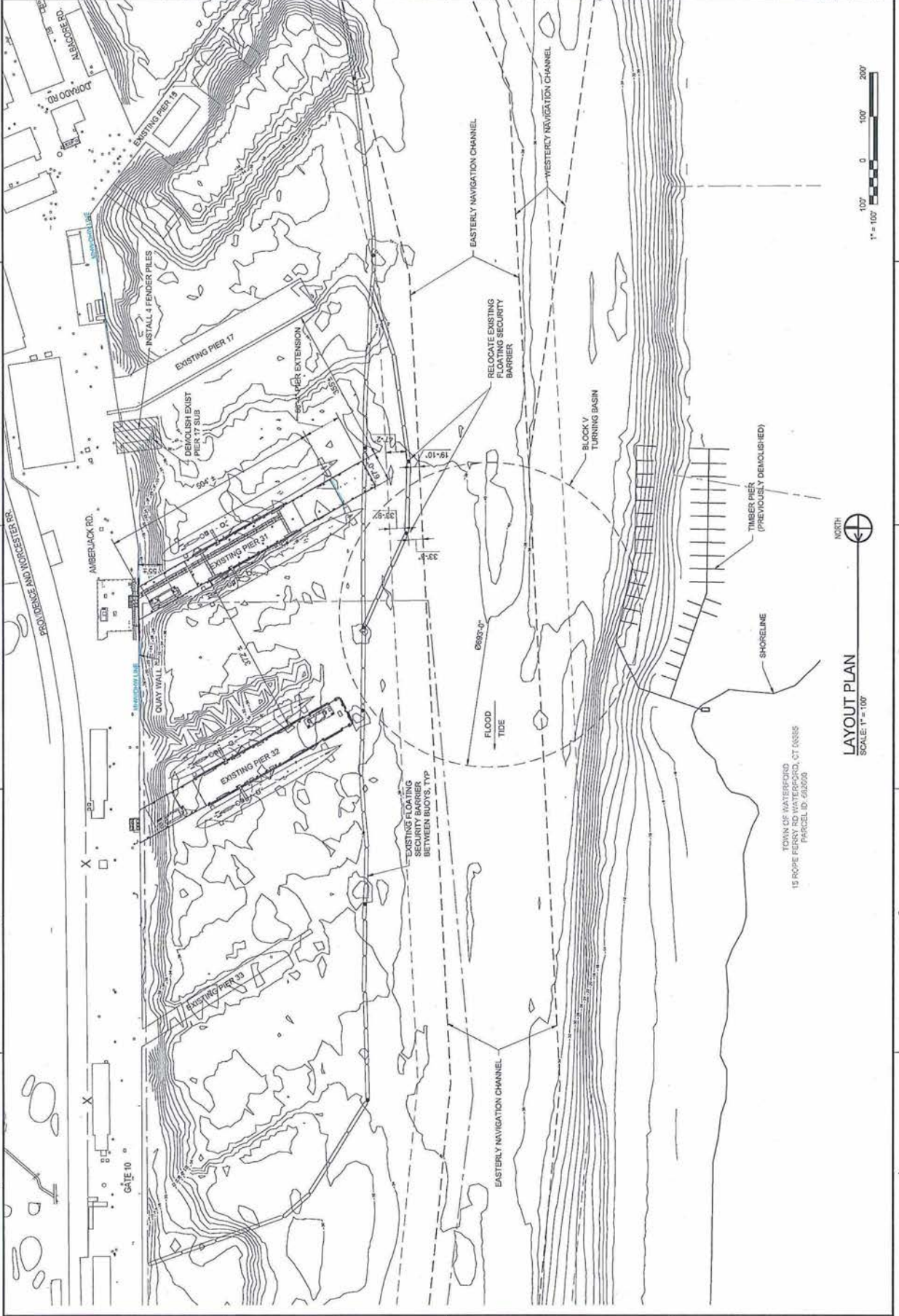
OVERALL SITE PLAN
 SCALE: 1" = 200'



1 2 3 4 5



		PRELIMINARY NOT FOR CONSTRUCTION	
PROJECT: P1044 SUBMARINE PIER 31 EXTENSION LOCATION: NAVY SUBMARINE BASE NEW LONDON, GROTON, CT		LAYOUT PLAN	
DRAWN BY: XXXXX CHECKED BY: XXXXX DATE:	SCALE:	SHEET NO:	TOTAL SHEETS:



PRELIMINARY NOT FOR CONSTRUCTION

NAVY FACILITIES ENGINEERING SYSTEMS COMMAND - MILITARY DISTRICT OF NEW LONDON
GROTON, CT

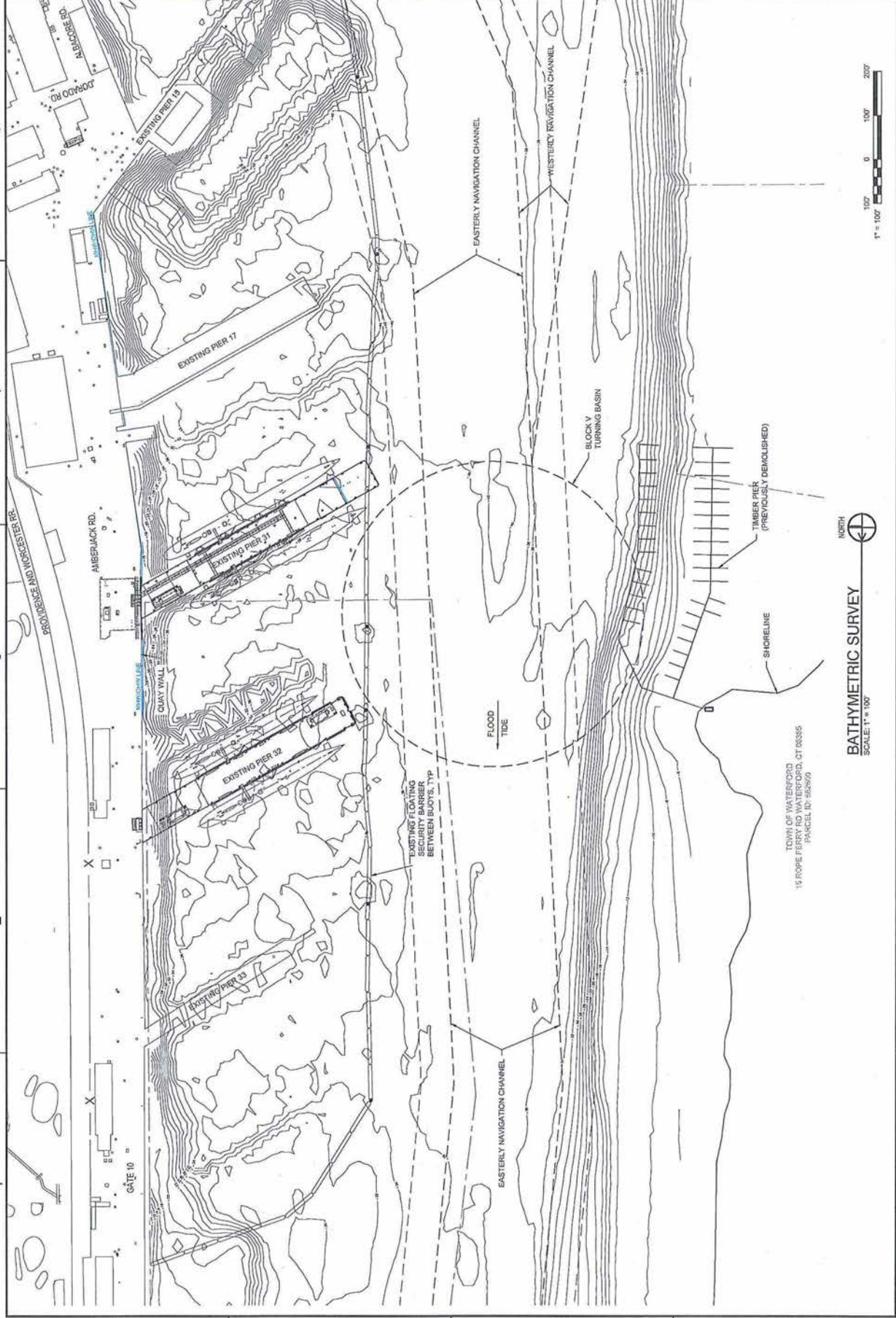
NAVAL SUBMARINE BASE NEW LONDON
P1044 SUBMARINE PIER 31 EXTENSION

BATHYMETRIC SURVEY

DATE: AS NOTED
PROJECT NO.: 1044-0000
DRAWING NO.: 1044-0000-0000
SCALE: 1" = 100'

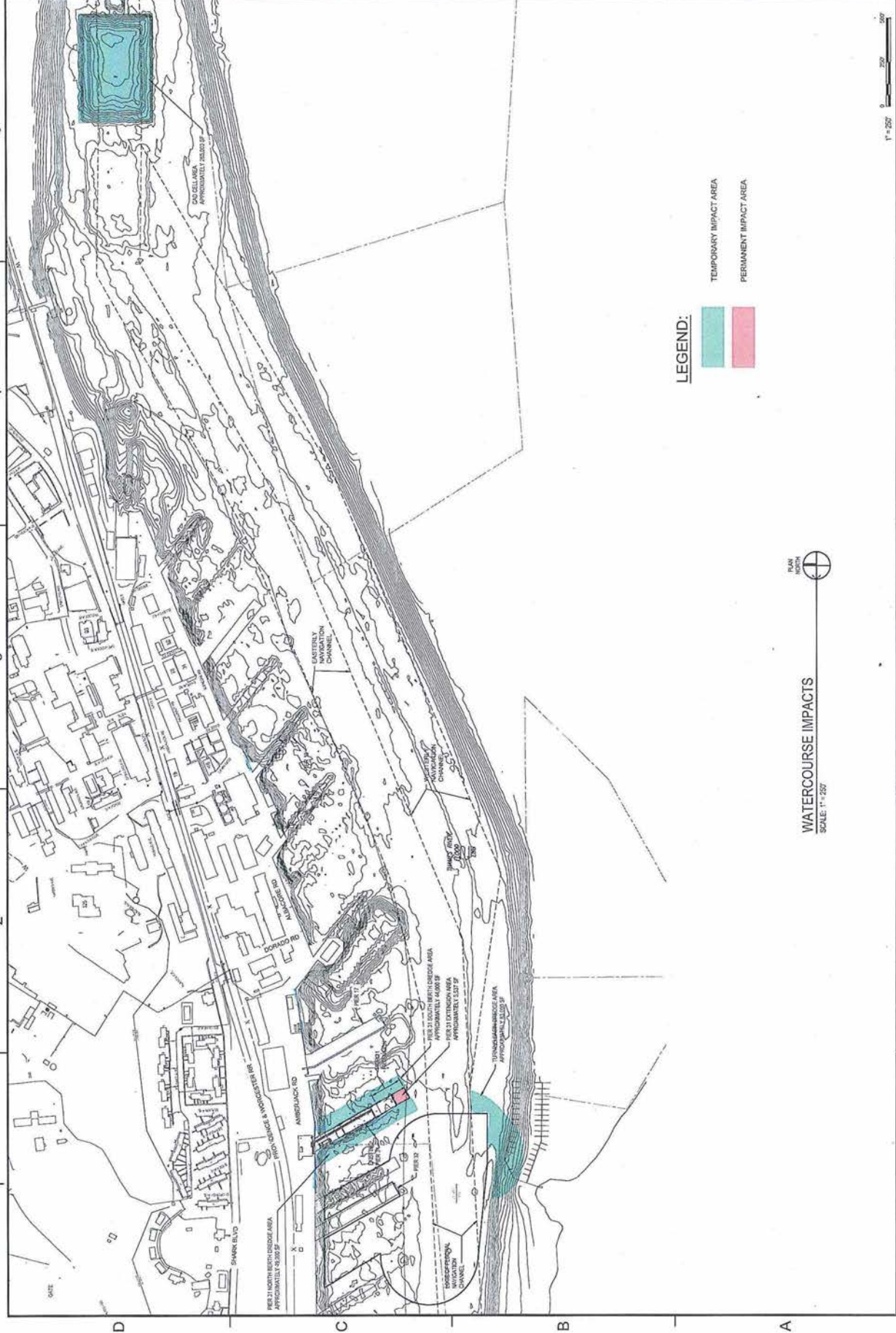
DATE: 07/20/07
BY: J. J. DEEP
CHECKED BY: J. J. DEEP
DESIGNED BY: J. J. DEEP
DRAWN BY: J. J. DEEP

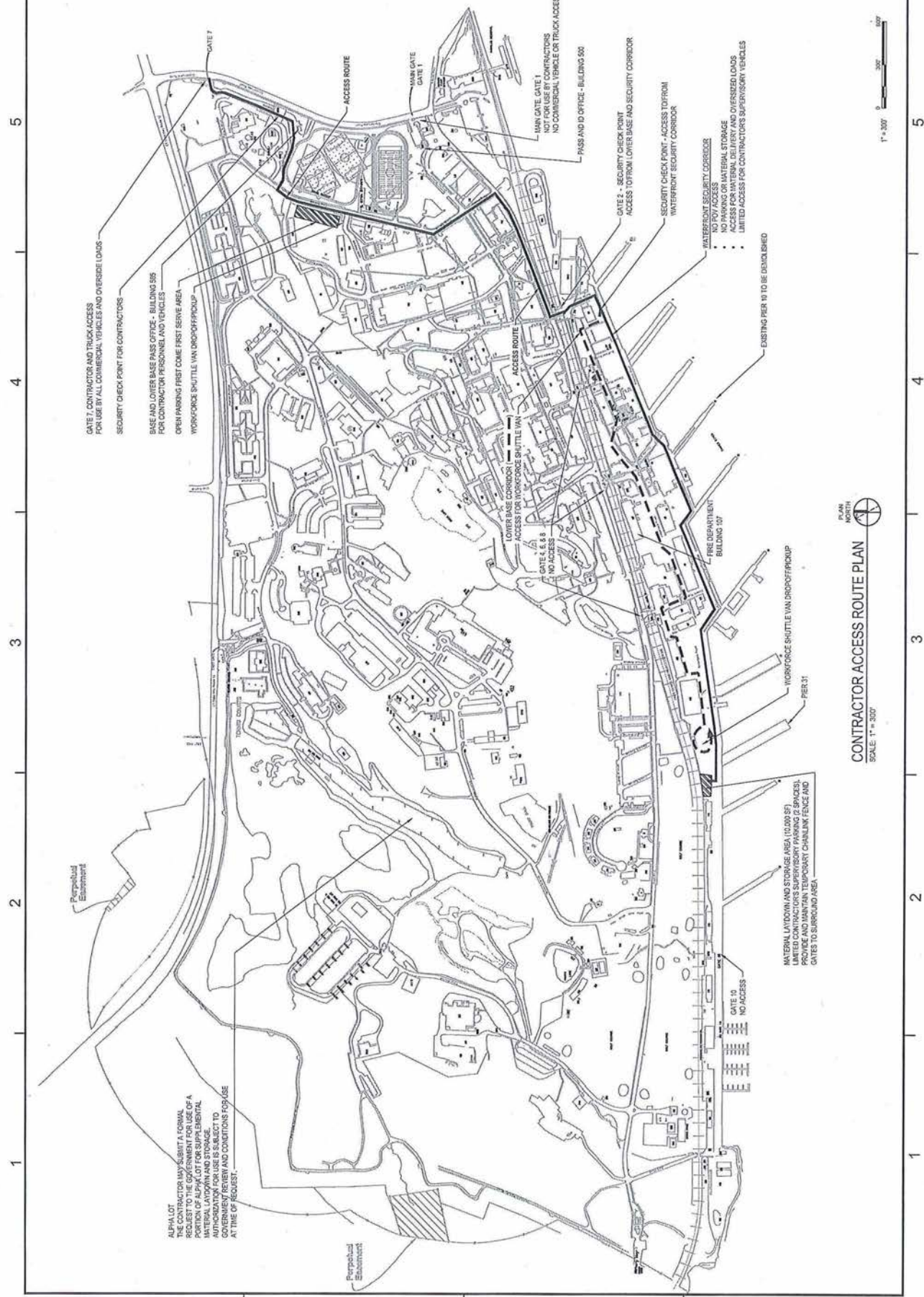
G-105



TOWN OF WATERFORD
15 ROPE FERRY RD WATERFORD, CT 06385
PARCEL ID: 258793

DATE: 07/20/07
BY: J. J. DEEP
CHECKED BY: J. J. DEEP
DESIGNED BY: J. J. DEEP
DRAWN BY: J. J. DEEP





GATE 7, CONTRACTOR AND TRUCK ACCESS FOR USE BY ALL COMMERCIAL VEHICLES AND OVERSIZE LOADS
 SECURITY CHECK POINT FOR CONTRACTORS
 BASE AND LOWER BASE PASS OFFICE - BUILDING 500 FOR CONTRACTOR PERSONNEL AND VEHICLES
 OPEN PARKING FIRST COME FIRST SERVE AREA
 WORKFORCE SHUTTLE VAN DROPOFF/PICKUP

ALPHA LOT
 THE CONTRACTOR MAY SUBMIT A CONCEPTUAL PORTION OF ALPHA LOT FOR SUPPLEMENTAL MATERIAL LAYDOWN AND STORAGE. AUTHORIZATION FOR USE IS SUBJECT TO A SITE VISIT AND CONDITIONS FOR USE AT THE TIME OF REQUEST.

MATERIAL LAYDOWN AND STORAGE AREA (10,000 SF)
 LIMITED CONTRACTOR SUPERVISORY PARKING (2 SPACES)
 TEMPORARY CHAINLINK FENCE AND GATES TO SURROUND AREA

- WATERFRONT SECURITY CORRIDOR
- NO ACCESS FOR MATERIAL STORAGE
- ACCESS FOR MATERIAL DELIVERY AND OVERSIZE LOADS
- LIMITED ACCESS FOR CONTRACTOR SUPERVISORY VEHICLES



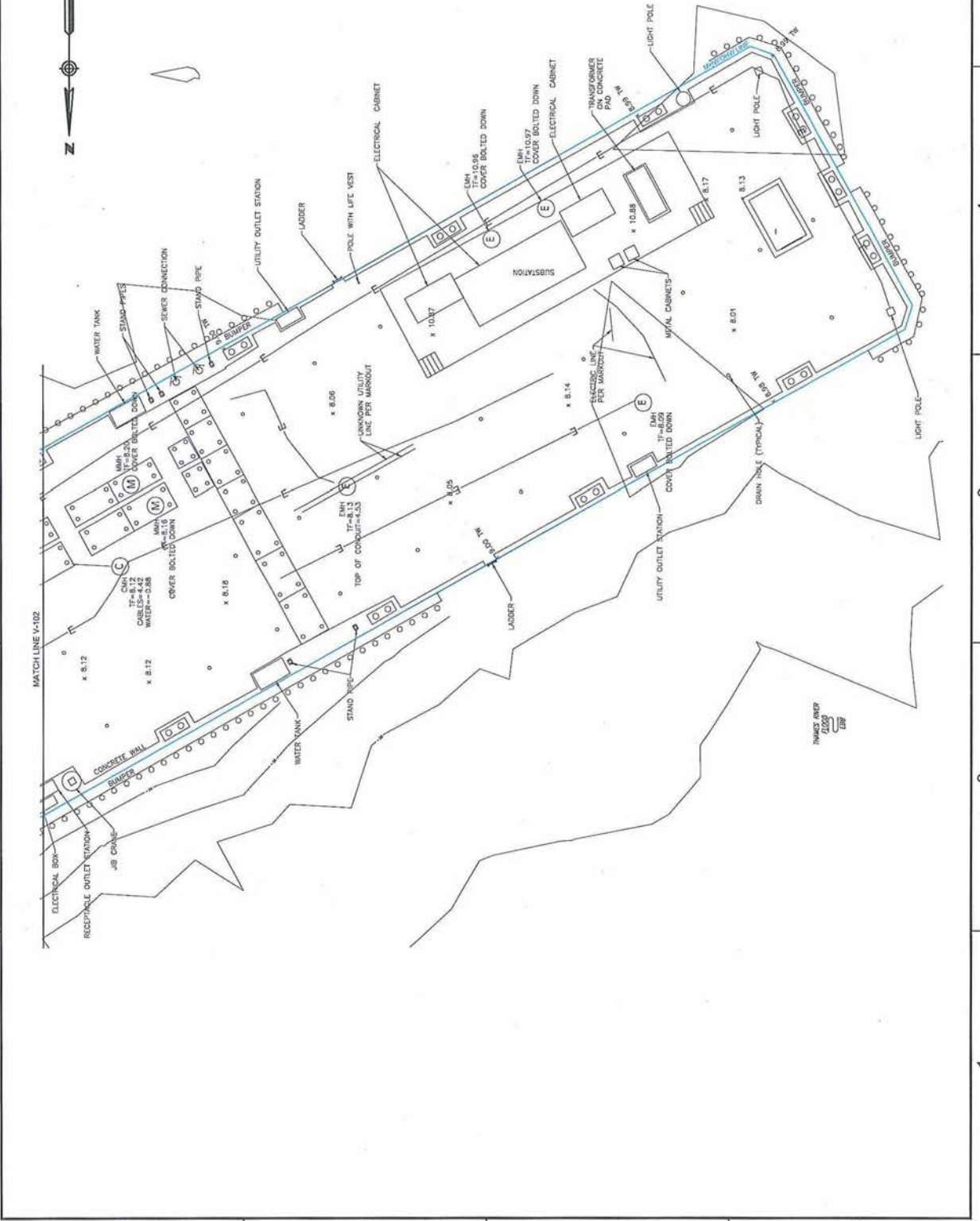
CONTRACTOR ACCESS ROUTE PLAN
 SCALE: 1" = 300'

1 2 3 4 5

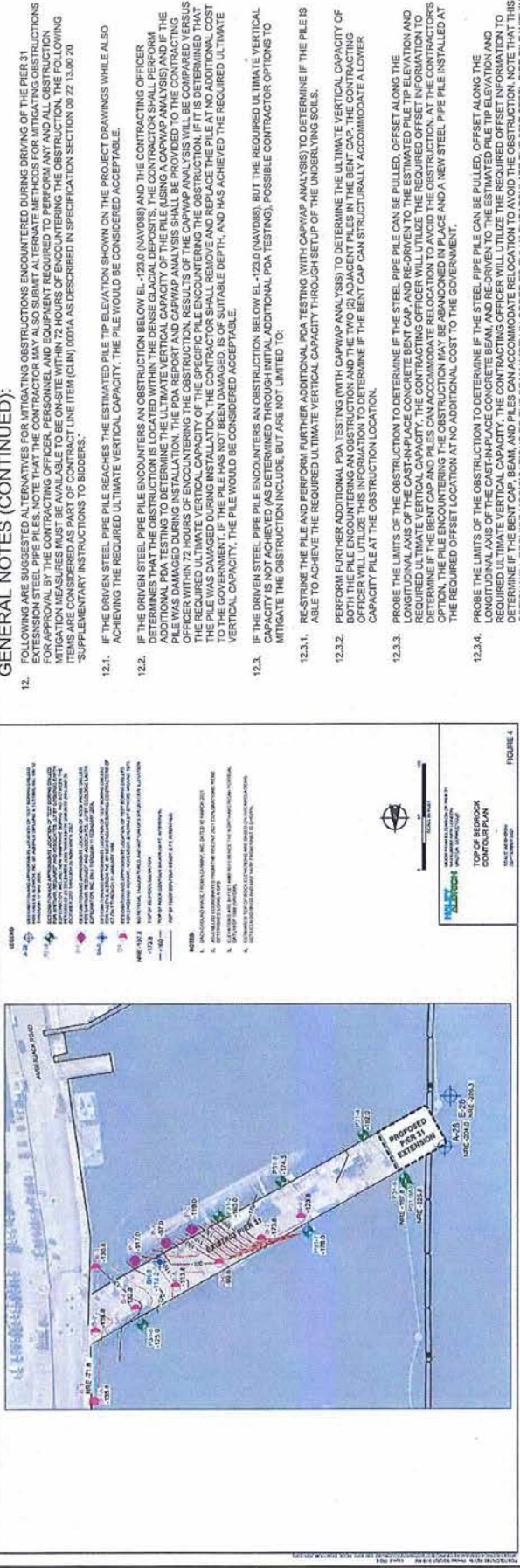
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CONTRACTOR OF THE WORK NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC NAVAL SUBMARINE BASE NEW LONDON GROTON, CT	
PROJECT TITLE P1044 SUBMARINE PIER 31 EXTENSION	
SHEET TITLE PIER 31 EXISTING CONDITIONS - SHEET 2 OF 2	
DATE 10/20/2011	DRAWN BY XXXXX
CHECKED BY XXXXX	IN CHARGE XXXXX
PROJECT NO. 1044	SHEET NO. V-103
SCALE AS NOTED	DRAWING NO. V-103
REVISIONS 1. 10/20/2011	DATE

PRELIMINARY
NOT FOR CONSTRUCTION



NO. 1000	NO. 1000
NO. 1000	NO. 1000
NO. 1000	NO. 1000
NO. 1000	NO. 1000



GENERAL NOTES:

1. INSTALL STEEL PIPE PILES IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. FOR ADDITIONAL STEEL PIPE PILE REQUIREMENTS, AS WELL AS REQUIREMENTS FOR THE PROJECT TEST PILE PROGRAM, REFER TO SPECIFICATION SECTION 31.02.16.13.3 STEEL PIPE PILES. NOTE THAT THE TEST PILE PROGRAM IS TO BE COMPLETED BY THE CONTRACTOR WITHIN THE PERIOD OF TIME SPECIFIED IN THE PLANS AND SPECIFICATIONS. THE TEST PILE PROGRAM SHALL BE COMPLETED WITHIN THE PERIOD OF TIME SPECIFIED IN THE PLANS AND SPECIFICATIONS. THE TEST PILES SHALL BE DRIVEN WITHIN THE FIRST 10% OF PRODUCTION PILES INSTALLED. LOCATION OF TEST PILES MAY BE ADJUSTED SLIGHTLY WITH CONTRACTING OFFICER APPROVAL. POA TEST PILES SHALL INCLUDE AN ADDITIONAL 10 FT OF PILE LENGTH, DRIVE TEST PILES TO INDICATED TIP ELEVATION AND CAPACITY. FOUNDATION TYPE AND LOCATIONS ARE SHOWN ON THE PILE PLANS (DRAWINGS S-103 THROUGH S-105), REFER TO PILE SCHEDULES (DRAWING S-601) FOR PILE CUTOFF AND ESTIMATED TIP ELEVATIONS.

2. UNLESS OTHERWISE INDICATED, BENTS 25-28 AT PIER 31 EXTENSION SHALL BE SUPPORTED BY 36" X 56" WALL THICKNESS DRIVEN STEEL PIPE PILES. STEEL PIPE PILES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A582, GRADE 3 (MODIFIED TO 50 KSI MINIMUM YIELD STRENGTH), ALL DRIVEN STEEL PILES SHALL BE BENTONITE CASING DRIVEN WITH A TORQUE CONTROLLED DRIVE SHOE OR PILE POINT CONFORMING TO THE REQUIREMENTS OF ASTM A527, GRADE B80. FOR TYPICAL STEEL PIPE PILE DETAILS, SEE DRAWING S-601.

3. STEEL PIPE PILES SHALL BE DRIVEN TO THE MINIMUM TIP ELEVATIONS AND ALLOWABLE BEARING CAPACITIES INDICATED ON THE PLANS, USING AN APPROVED HAMMER, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATIONS FOR THE TOTAL WEIGHT OF PILE AND THE CHARACTER OF THE SUBSURFACE MATERIAL TO BE ENCOUNTERED.

4. PILE SERVICE (ALLOWABLE) CAPACITIES:
5.1. 36" STEEL PIPE PILES - CAPACITY - 343 TONS (COMPRESSION), 0 TONS (TENSION)
6. PILE FACTORED (ULTIMATE) CAPACITIES:
6.1. 36" STEEL PIPE PILES - CAPACITY - 772 TONS (COMPRESSION), 0 TONS (TENSION)
7. PILE TIP ELEVATION REQUIRED FOR LATERAL STABILITY:
7.1. 36" STEEL PIPE PILES - CAPACITY - EL - 123.0 (NAVDB88)
8. SPRUDDING AND/OR JETTING OF STEEL PIPE PILES WILL NOT BE ALLOWED.
9. THE CONTRACTOR SHALL COORDINATE THE STEEL PIPE PILE DRIVING SCHEDULE SO AS NOT TO INTERFERE WITH OR BE DETRIMENTAL TO ADJACENT CONCRETE PLACEMENT AND CURING OPERATIONS.
10. EPOXY COAT ENTIRE STEEL PIPE PILES IN ACCORDANCE WITH SPECIFICATION SECTION 09.07.13.26 "COATING OF STEEL WATERFRONT STRUCTURES".
11. FOR THE PURPOSE OF BIDDING, THE CONTRACTOR SHALL ANTICIPATE ENCOUNTERING OBSTRUCTIONS (2 TOTAL PILES) DURING DRIVING OF THE STEEL PIPE PILES FOR PIER 31 EXTENSION. IF OBSTRUCTIONS ARE ENCOUNTERED DURING PILE DRIVING, THE CONTRACTOR SHALL:
11.1. NOTIFY THE CONTRACTING OFFICER IMMEDIATELY OF THE DEPTH AND APPARENT SIZE OF THE OBSTRUCTION.
11.2. OBTAIN APPROVAL OF THE CONTRACTING OFFICER THAT THE CONTRACTOR HAS ENCOUNTERED AN OBSTRUCTION.

GENERAL NOTES (CONTINUED):

12. FOLLOWING ARE SUGGESTED ALTERNATIVES FOR MITIGATING OBSTRUCTIONS ENCOUNTERED DURING DRIVING OF THE PIER 31 EXTENSION STEEL PIPE PILES. NOTE THAT THE CONTRACTOR MAY ALSO SUBMIT ALTERNATE METHODS FOR MITIGATING OBSTRUCTIONS FOR APPROVAL BY THE CONTRACTING OFFICER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND INSURANCE COVERAGE FOR THE CONSTRUCTION OF THE PIER 31 EXTENSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY NECESSARY OBTAINING THE NECESSARY PERMITS AND INSURANCE COVERAGE FOR THE CONSTRUCTION OF THE PIER 31 EXTENSION. SUPPLEMENTARY INSTRUCTIONS TO BIDDERS:

12.1. IF THE DRIVEN STEEL PIPE PILE REACHES THE ESTIMATED PILE TIP ELEVATION SHOWN ON THE PROJECT DRAWINGS WHILE ALSO ACHIEVING THE REQUIRED ULTIMATE VERTICAL CAPACITY, THE PILE WOULD BE CONSIDERED ACCEPTABLE.

12.2. IF THE DRIVEN STEEL PIPE PILE ENCOUNTERS AN OBSTRUCTION BELOW EL -123.0 (NAVDB88) AND THE CONTRACTING OFFICER DETERMINES THAT THE OBSTRUCTION IS LOCATED WITHIN THE DENSE CLAY DEPOSITS, THE CONTRACTOR SHALL PERFORM ADDITIONAL POA TESTING TO DETERMINE THE ULTIMATE VERTICAL CAPACITY OF THE PILE (USING A CAPWAP ANALYSIS) AND IF THE PILE WAS DAMAGED DURING INSTALLATION, THE POA REPORT AND CAPWAP ANALYSIS SHALL BE PROVIDED TO THE CONTRACTING OFFICER IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY NECESSARY OBTAINING THE NECESSARY PERMITS AND INSURANCE COVERAGE FOR THE CONSTRUCTION OF THE PIER 31 EXTENSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY NECESSARY OBTAINING THE NECESSARY PERMITS AND INSURANCE COVERAGE FOR THE CONSTRUCTION OF THE PIER 31 EXTENSION. THE PILE WAS DAMAGED DURING INSTALLATION, THE CONTRACTOR SHALL REMOVE AND REPLACE THE PILE AT NO ADDITIONAL COST TO THE GOVERNMENT. IF THE PILE WAS NOT DAMAGED, IS OF SUITABLE DEPTH, AND HAS ACHIEVED THE REQUIRED ULTIMATE VERTICAL CAPACITY, THE PILE WOULD BE CONSIDERED ACCEPTABLE.

12.3. IF THE DRIVEN STEEL PIPE PILE ENCOUNTERS AN OBSTRUCTION BELOW EL -123.0 (NAVDB88) BUT THE REQUIRED ULTIMATE VERTICAL CAPACITY IS NOT ACHIEVED (AS DETERMINED THROUGH INITIAL ADDITIONAL POA TESTING), POSSIBLE CONTRACTOR OPTIONS TO MITIGATE THE OBSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO:
12.3.1. RE-STRIKE THE PILE AND PERFORM FURTHER ADDITIONAL POA TESTING (WITH CAPWAP ANALYSIS) TO DETERMINE IF THE PILE IS ABLE TO ACHIEVE THE REQUIRED ULTIMATE VERTICAL CAPACITY THROUGH SETUP OF THE UNDERLYING SOILS.
12.3.2. PERFORM FURTHER ADDITIONAL POA TESTING (WITH CAPWAP ANALYSIS) TO DETERMINE THE ULTIMATE VERTICAL CAPACITY OF BOTH THE PILE ENCOUNTERING AN OBSTRUCTION AND THE TWO (2) ADJACENT PILES IN THE BENT CAP. THE CONTRACTING OFFICER WILL UTILIZE THIS INFORMATION TO DETERMINE IF THE BENT CAP CAN STRUCTURALLY ACCOMMODATE A LOWER CAPACITY PILE AT THE OBSTRUCTION LOCATION.
12.3.3. PROBE THE LIMITS OF THE OBSTRUCTION TO DETERMINE IF THE STEEL PIPE PILE CAN BE PULLED, OFFSET ALONG THE LONGITUDINAL AXIS OF THE CAST-IN-PLACE CONCRETE BENT CAP, AND RE-DRIVEN TO THE ESTIMATED PILE TIP ELEVATION AND REQUIRED ULTIMATE VERTICAL CAPACITY. THE CONTRACTING OFFICER WILL UTILIZE THE REQUIRED OFFSET INFORMATION TO DETERMINE IF THE BENT CAP AND PILES CAN ACCOMMODATE RELOCATION TO AVOID THE OBSTRUCTION. AT THE CONTRACTORS OPTION, THE PILE ENCOUNTERING THE OBSTRUCTION MAY BE ABANDONED IN PLACE AND A NEW STEEL PIPE PILE INSTALLED AT THE REQUIRED OFFSET LOCATION AT NO ADDITIONAL COST TO THE GOVERNMENT.
12.3.4. PROBE THE LIMITS OF THE OBSTRUCTION TO DETERMINE IF THE STEEL PIPE PILE CAN BE PULLED, OFFSET ALONG THE LONGITUDINAL AXIS OF THE CAST-IN-PLACE CONCRETE BEAM, AND RE-DRIVEN TO THE ESTIMATED PILE TIP ELEVATION AND REQUIRED ULTIMATE VERTICAL CAPACITY. THE CONTRACTING OFFICER WILL UTILIZE THE REQUIRED OFFSET INFORMATION TO DETERMINE IF THE BENT CAP, BEAM, AND PILES CAN ACCOMMODATE RELOCATION TO AVOID THE OBSTRUCTION. NOTE THAT THIS OPTION WILL REQUIRE MODIFICATION TO THE BENT CAP AND BEAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY NECESSARY OBTAINING THE NECESSARY PERMITS AND INSURANCE COVERAGE FOR THE CONSTRUCTION OF THE PIER 31 EXTENSION. THE PILE ENCOUNTERING THE OBSTRUCTION MAY BE ABANDONED IN PLACE AND A NEW STEEL PIPE PILE INSTALLED AT THE REQUIRED OFFSET LOCATION AT NO ADDITIONAL COST TO THE GOVERNMENT.
12.3.5. PROBE THE LIMITS OF THE OBSTRUCTION TO DETERMINE IF THE STEEL PIPE PILE CAN BE PULLED AND RE-DRIVEN AT A SLIGHT BATTER (NOT MORE THAN 1 PER CENT) TO AVOID THE OBSTRUCTION. PILES SHALL BE BATTERED PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE BENT CAP AND RE-DRIVEN TO THE ESTIMATED PILE TIP ELEVATION AND REQUIRED ULTIMATE VERTICAL CAPACITY.
12.3.6. USE A DTH-HAMMER TO DRILL THROUGH THE OBSTRUCTION AND ATTEMPT TO RE-DRIVE THE PILE THROUGH THE OBSTRUCTION TO THE ESTIMATED PILE TIP ELEVATION AND REQUIRED ULTIMATE VERTICAL CAPACITY.

12.4. IF THE DRIVEN STEEL PIPE PILE ENCOUNTERS AN OBSTRUCTION ABOVE EL -123.0 (NAVDB88), POSSIBLE CONTRACTOR OPTIONS TO MITIGATE THE OBSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO:
12.4.1. IF THE OBSTRUCTION IS DETERMINED TO BE RELATIVELY CLOSE TO THE APPROXIMATE MUDLINE ELEVATION, PULL THE PILE, ATTEMPT TO EXTRACT THE OBSTRUCTION BY MEANS AND METHODS DETERMINED BY THE CONTRACTOR, AND RE-DRIVE THE PILE TO THE ESTIMATED PILE TIP ELEVATION AND REQUIRED ULTIMATE VERTICAL CAPACITY.
12.4.2. PROBE THE LIMITS OF THE OBSTRUCTION TO DETERMINE IF THE STEEL PIPE PILE CAN BE PULLED, OFFSET ALONG THE LONGITUDINAL AXIS OF THE CAST-IN-PLACE CONCRETE BENT CAP, AND RE-DRIVEN TO THE ESTIMATED PILE TIP ELEVATION AND REQUIRED ULTIMATE VERTICAL CAPACITY. THE CONTRACTING OFFICER WILL UTILIZE THE REQUIRED OFFSET INFORMATION TO DETERMINE IF THE BENT CAP AND PILES CAN ACCOMMODATE RELOCATION TO AVOID THE OBSTRUCTION. AT THE CONTRACTORS OPTION, THE PILE ENCOUNTERING THE OBSTRUCTION MAY BE ABANDONED IN PLACE AND A NEW STEEL PIPE PILE INSTALLED AT THE REQUIRED OFFSET LOCATION AT NO ADDITIONAL COST TO THE GOVERNMENT.
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NO. 1000	NO. 1000
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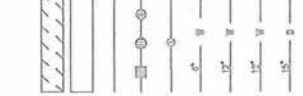
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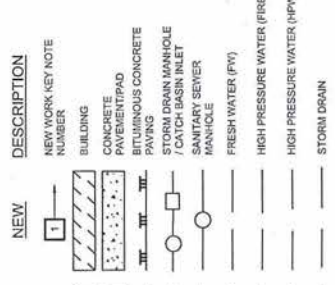
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11.2. OBTAIN APPROVAL OF THE CONTRACTING OFFICER THAT THE CONTRACTOR HAS ENCOUNTERED AN OBSTRUCTION.

LEGEND

EXISTING



NEW



CIVIL ABBREVIATIONS:

ASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS
ABND, AB	ABANDONED
AC	ALTERNATING CURRENT
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BMP	BEST MANAGEMENT PRACTICES
BP	BEGIN POINT
CA	COMPRESSED AIR
CB	CATCH BASIN
CI	CAST IRON
CLF	CHAIN LINK FENCE
CONC	CONCRETE
DIA	DIAMETER
DI, DIP	DUCTILE IRON PIPE
DMH	DRAIN MANHOLE
E	EASTING
ELEV (EL)	ELEVATION
EXIST, EX	EXISTING
FG	FINISH GRADE
FM	FORCE MAIN
FT	FEET
FW	FRESH WATER
GALV	GALVANIZED
H OR HORIZ	HORIZONTAL
HP	HIGH POINT
HPA	HIGH PRESSURE AIR
HPW	HIGH PRESSURE WATER
INV	INVERT
L	LENGTH
MBHW	MEAN HIGHER HIGH WATER
MIN	MINIMUM
N	NORTHING
NA	NOT APPLICABLE
NTS	NOT TO SCALE
OC	OUTSIDE CURB
OH	OUTSIDE DIAMETER
OH	OVERHEAD
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
SMH	SANITARY MANHOLE
SSWR	SANITARY SEWER FORCE MAIN
SSWR	GRAVITY SANITARY SEWER
TBM	TEMPORARY BENCHMARK
TR	TOP OF RM
TYP	TYPICAL
UNK	UNKNOWN
UNO	UNLESS NOTED OTHERWISE
V OR VERT	VERTICAL
VSP	VERTICAL SEWER PIPE
W	WIDTH
W	WITH

GENERAL NOTES:

- THE LOCATIONS SHOWN FOR EXISTING UNDERGROUND UTILITIES AND (OR) MANHOLE LOCATIONS ON THIS PLAN SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES THROUGH THE USE OF A QUALIFIED UNDERGROUND UTILITY LOCATION SERVICE PRIOR TO ANY EXCAVATION. UTILITIES LOCATED MUST BE INDICATED ON THE "AS-BUILT" DRAWING. CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES PRIOR TO COMMENCING DEVOLUTION, EXCAVATION, OR CONSTRUCTION.
- WATERFRONT UTILITY OPERATIONS WILL REMAIN ACTIVE THROUGHOUT THE PROJECT. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE CONTRACTING OFFICER AT THE CONTRACTOR'S EXPENSE. NOTIFY THE CONTRACTING OFFICER A MINIMUM OF 15 DAYS IN ADVANCE OF ANY UTILITY OUTAGES.
- ALL VALVES, FITTINGS, MANHOLES, ETC., HAVE BEEN LOCATED IN PLAN AND DIMENSIONS SHOWN SHALL BE STRICTLY ADHERED TO UNLESS OTHERWISE DIRECTED BY THE CONTRACTING OFFICER. PROFILE STATIONINGS SHALL BE ADJUSTED AS REQUIRED TO CONFORM TO PLAN DIMENSIONS.
- EXISTING TOPOGRAPHY AND PHYSICAL FEATURES SHOWN ARE BASED ON SURVEYS PERFORMED ON SEPTEMBER 17, 2021 BY LOUIREIRO SURVEYING, INC. (LSEI). THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88). HORIZONTAL CONTROL IS BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD83) AND WAS ESTABLISHED FROM BASE MONUMENTS #950 AND #951 LOCATED IN THE VICINITY OF THE PROJECT. THERE ARE NO OTHER ADDITIONAL MONUMENTS AND BENCHMARKS LOCATED IN THE VICINITY OF PIER 31.
- THE 405 NEAR BASE ELEVATION ZONE AS SHOWN IS 11 FT AND ZONE VE EQUALS 13 FT. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND THE SPECIFICATIONS.
- NEW UTILITY STAKEOUT DIMENSIONS ARE TO CENTERLINE OF STRUCTURE AND CENTERLINE OF PIPE, UNLESS INDICATED OTHERWISE.
- ADJUST SEWER, DRAINAGE, AND ELECTRICAL FRAMES AND COVERS TO MATCH FINISH GRADE. REMOVE EXISTING FRAMES AND COVERS AND PROVIDE NEW FRAMES AND COVERS WHEN DAMAGED DURING THE COURSE OF WORK, AT NO ADDITIONAL COST TO THE GOVERNMENT.
- SURVEY UTILITY MANHOLES, STRUCTURES, GATE VALVES, VALVE BOXES AND OTHER SURFACE FEATURES PRIOR TO PAVING AND VERIFY TO THE CONTRACTING OFFICER THAT THESE FEATURES ARE ACCESSIBLE AFTER FINAL PAVING HAS BEEN COMPLETED.
- ADJUST ITEMS NOTED IN NOTE 9 ABOVE TO FINISH GRADE. REMOVE EXISTING GATE VALVE BOXES AND CURB STOP BOXES AND PROVIDE NEW GATE VALVE BOXES WHEN DAMAGED DURING THE COURSE OF WORK, AT NO ADDITIONAL COST TO THE GOVERNMENT.
- A 15' WIDE CLEAR VEHICLE ACCESS LANE MUST BE PROVIDED THROUGH THE PROJECT SITE ALONG AMBERJACK ROAD AT ALL TIMES. PHASE 1 CONSTRUCTION SHALL BE LIMITED TO THE EXISTING AND PROPOSED IMPROVEMENTS AS REQUIRED TO MEET THESE CONDITIONS.
- DIG TEST PITS TO DETERMINE THE LOCATION AND ELEVATIONS OF EXISTING PIPING AT CONNECTION POINTS PRIOR TO LAYING PIPE NEAR EXISTING PIPING. VERIFY THE LOCATION AND ELEVATIONS OF EXISTING PIPING SHALL BE ADJUSTED AS DIRECTED BY THE CONTRACTING OFFICER.
- UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS SHOWN ON THIS PLAN HAVE BEEN VERIFIED BY THE CONTRACTOR AND OTHER AVAILABLE DATA. THE CONTRACTOR'S REPRESENTATIVES HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. ADDITIONAL UNDERGROUND AND ABOVE GROUND FEATURES MAY EXIST THAT ARE NOT DEPICTED WITHIN THESE DOCUMENTS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATIONS OF ALL UTILITIES IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-952-4455 OR WWW.CBYD.COM 72-HOURS PRIOR TO EXISTING CONSTRUCTION IN ORDER TO VERIFY THE LOCATIONS OF EXISTING UTILITIES.
- CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS FOR FIT-UP OF NEW WORK PRIOR TO ORDERING MATERIAL AND FABRICATION.

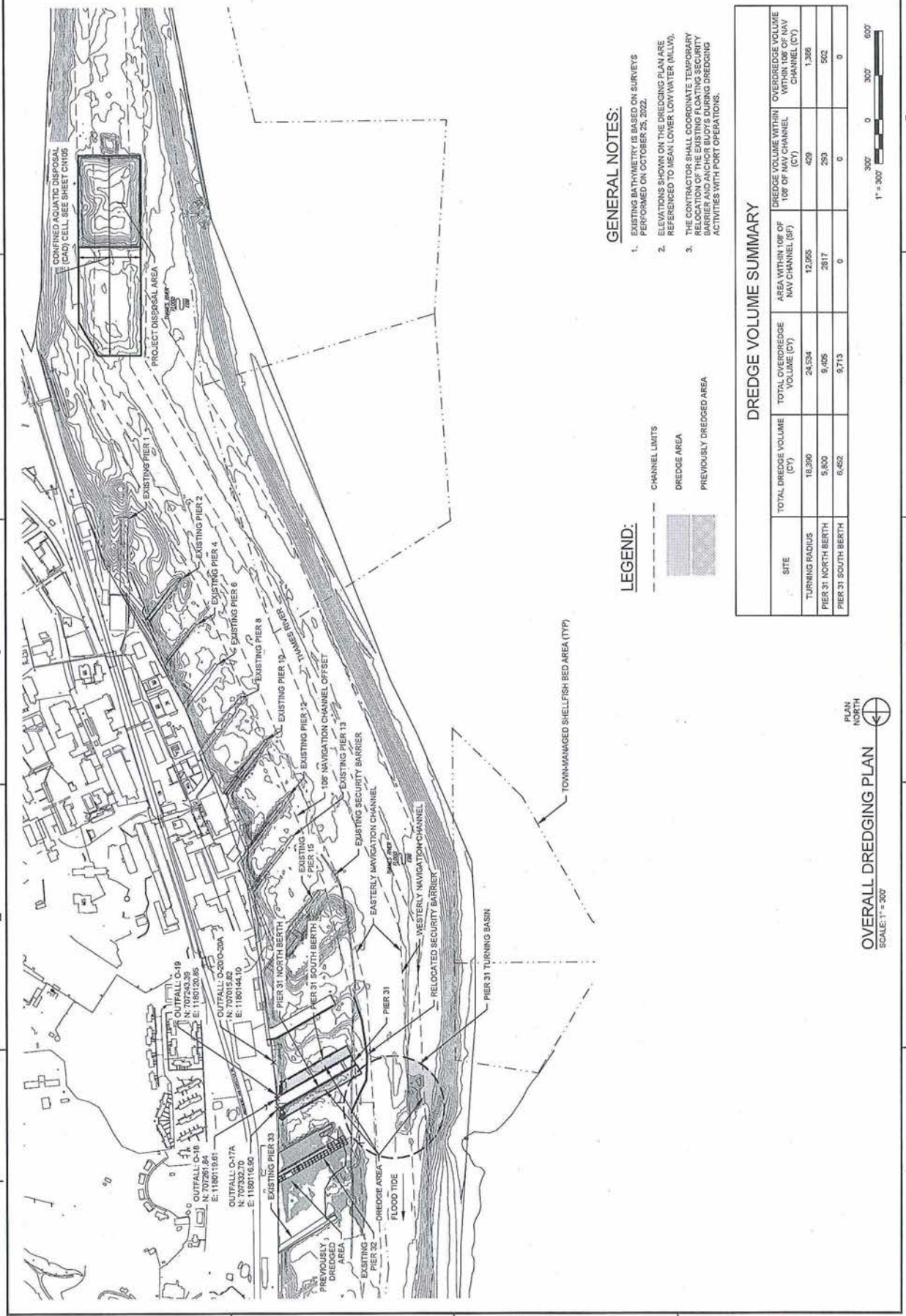
GENERAL NOTES CONT.:

- ELEVATION CONTOURS, SPOT GRADES, INVERTS AND DIMENSIONS ON CIVIL DRAWINGS ARE IN DECIMAL FEET UNLESS NOTED OTHERWISE.
- WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY DO NOT SCALE DRAWINGS.
- EXERCISE CARE TO PROTECT EXISTING BENCHMARKS, SYSTEMS, AND SURFACES TO REMAIN. ALL DAMAGED SYSTEMS AND SURFACES MUST BE REPAIRED OR REPLACED AS APPROVED BY THE CONTRACTING OFFICER AT NO ADDITIONAL COST TO THE GOVERNMENT.
- YELLOW PLASTIC - CONTRACTORS MUST NOT USE YELLOW OR ORANGE-YELLOW COLORED MATERIALS FOR THE FOLLOWING PURPOSES: PROTECTIVE CLOTHING, HOODS, SHEETING, TAPPS, POLYETHYLENE BOTTLERS OR CONTAINERS, CONCRETE CURB MARKERS, BENCHMARKS, BENCH MARKERS, ETC. CONTRACTOR GENERATED YELLOW COLORED WASTE MUST BE DISPOSED OF BY THE CONTRACTOR OFF-YARD, SHIPYARD REFUSE CONTAINERS MUST NOT BE USED FOR THE DISPOSAL OF YELLOW COLORED WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH AS DESCRIBED ABOVE OF SPECIAL SIGNIFICANCE WITHIN THE NAVAL BASE AND ARE SUBJECT TO STRICT CONTROLS. YELLOW COLORED CONTRACT GENERATED DEBRIS MUST BE BAGGED IN NON-TRANSLUCENT CONTAINERS AND PROMPTLY REMOVED FROM NEW LONDON NAVAL SUBMARINE BASE.
- REPORT ALL SPILLS - LEAKS OF OIL OR OTHER HAZARDOUS SUBSTANCES (IE OIL, ANTIFREEZE, CHEMICALS, ETC.) OCCURRING DURING THE PERFORMANCE OF THIS CONTRACT. IMMEDIATELY NOTIFY THE SUPERVISOR OF THIS COUNTY. CALL THE BASE FIRE DEPARTMENT TO REPORT THE SPILL. THE GOVERNMENT RESERVES THE RIGHT TO CLEAN UP, PACKAGE AND DISPOSE OF CONTRACTOR SPILLS OCCURRING ON THE BASE, AND BILL SUCH COSTS TO THE CONTRACTOR.
- NOTIFY CONTRACTING OFFICER AND STOP WORK IMMEDIATELY IF HAZARDOUS MATERIAL SUCH AS PCB, LEAD PAINT, AND FRAGILE AND NON-FRAGILE ASBESTOS AND ANY OTHER MATERIAL THAT MAY BE ENCOUNTERED TO HUMAN HEALTH IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS.

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MIDDLBURY GROTON, CT
NAVAL SUBMARINE BASE NEW LONDON
P1044 SUBMARINE PIER 31 EXTENSION
CIVIL LEGEND ABBREVIATIONS & GENERAL NOTES

DATE: AS NOTED
DRAWN BY: J. J. JONES
CHECKED BY: J. J. JONES
SCALE: AS SHOWN
PROJECT: P1044 SUBMARINE PIER 31 EXTENSION
SHEET: CT - DEEP
C-001

PRELIMINARY NOT FOR CONSTRUCTION



PLAN NORTH
 OVERALL DREDGING PLAN
 SCALE: 1" = 300'

