



## PUBLIC NOTICE

**Comment Period Begins:** 29 October 2024

**Comment Period Ends:** 29 November 2024

**File Number:** NAE-2023-00668

**In Reply Refer to:** CT & RI Section, Regulatory Division

**Phone:** (800) 343-4789 or (800) 362-4367

**Email:** [CENAE-R-PN-CTRL@usace.army.mil](mailto:CENAE-R-PN-CTRL@usace.army.mil)

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The District Engineer, U.S. Army Corps of Engineers, New England District (USACE), has received a permit application, file number NAE-2023-00668, to conduct work in waters of the United States from Naval Submarine Base New London, Route 12, Box 400, Groton, CT. This work is proposed within the Thames River near Amberjack Road in Groton, CT at latitude 41.40119, longitude -72.09386.

The work involves construction of a concrete filled steel pipe pile supported pier extension with a concrete deck, mooring fittings, an integrated composite fender system, and specialized equipment including fendering camels. The work also includes dredging alongside the pier and adjacent to the western side of the Thames River Federal Navigation Project (FNP). Dredged material will be placed in the US Navy confined aquatic disposal (CAD) cell within the Thames River.

The work is shown on the enclosed plans titled "P-1044 SUBMARINE PIER 31 EXTENSION, NAVAL SUBMARINE BASE NEW LONDON", on 24 sheets, and dated "25 AUGUST 2020".

### AUTHORITY

Permits are required pursuant to:

- ☒ Section 10 of the Rivers and Harbors Act of 1899
- ☒ Section 404 of the Clean Water Act
- ☐ Section 103 of the Marine Protection, Research and Sanctuaries Act.
- ☒ Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408)

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 USACE 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. The USACE will consider all comments received 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, US 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.

The activities proposed herein will also require permission from the USACE pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a USACE federally authorized Civil Works project known as the Thames River Federal FNP. The proposed alteration within the FNP is the disposal of approximately 44,000 cubic yards of material within the existing US Navy CAD cell. The proposed alteration within the FNP offset involves the replacement of the pier, the maintenance dredging of approximately 1,888 cubic yards of material from a 15,772 square foot area, and the relocation of two security barrier anchors and floats. The FNP offset is a 3:1 distance based on the depth of the FNP and is the side slope while performing maintenance dredging on the FNP. The Thames River FNP offset is 108 feet. A permit pursuant to Section 10/404 shall not be granted until the Section 408 permission is issued. Through this public notice, we are soliciting information necessary to inform the USACE evaluation and review.

## **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). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

The dredging portion of this project will impact approximately 1 acre of EFH. Habitat at this site can be described as mud, silt, and clay. Loss of this habitat may adversely affect species that use these waters and substrate. 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 dredged material disposal is proposed for US Navy Thames River CAD cell. This is an open water site, which provides EFH. Habitat at this site can be described as mud, silt, and clay. Loss of this habitat may adversely affect species that use these waters and substrate. 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 structure portion of this project will impact approximately 0.13 acres of EFH. This habitat consists of silt and mud. Loss of this habitat may adversely affect species that use these waters and substrate. 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 our initial review of the proposed project and coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s), no historic properties will be affected by the proposed project. Additional review and consultation to fulfill 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 USACE has reviewed the application for the potential impact on federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act (ESA) as amended. 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 a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed

species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

## OTHER GOVERNMENT AUTHORIZATIONS

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.
- ☒ Water Quality Certification in accordance with Section 401 of the Clean Water Act.

## COMMENTS

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. People submitting comments are advised that all comments received will be available for public review in their entirety and will be considered a matter of public record.

Comments should be submitted in writing by the above date. If you have any questions, please contact the CT & RI Section, Regulatory Division, at [CENAE-R-PN-CTRI@usace.army.mil](mailto:CENAE-R-PN-CTRI@usace.army.mil), (800) 343-4789 or (800) 362-4367.

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 USACE 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. 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.**

*Kevin R Kotelly*

Kevin R. Kotelly  
Chief, CT/RI Section  
Regulatory Division

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Please contact Ms. Tina Chaisson at [bettina.m.chaisson@usace.army.mil](mailto:bettina.m.chaisson@usace.army.mil) or (978) 318-8058 if you would like to be removed from our public notice mailing list.



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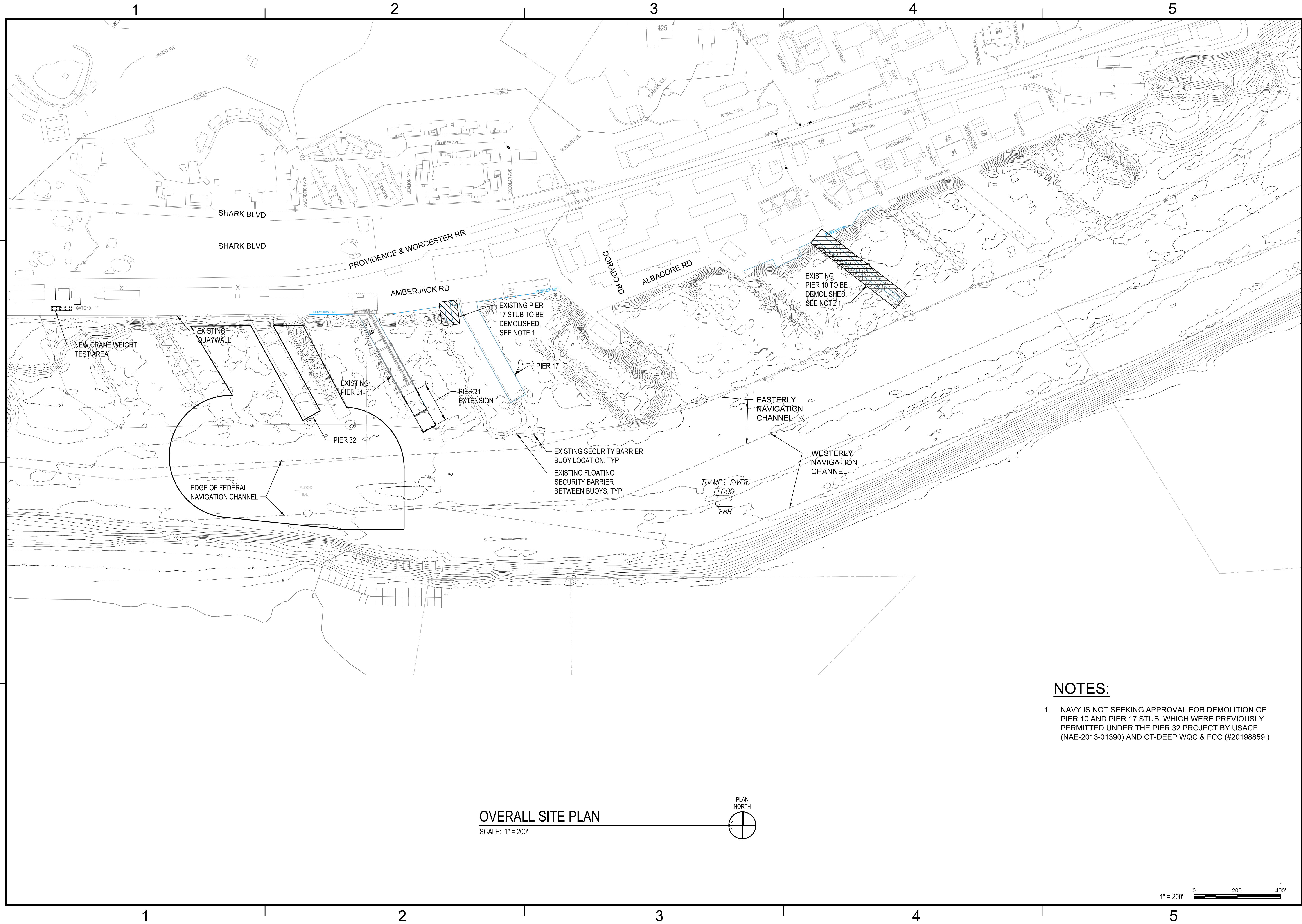
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NOTES:

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-2013-01390) AND CT-DEEP WQC & FCC (#20198859).



**PRELIMINARY**  
NOT FOR CONSTRUCTION

SEAL

N.E. 180°

APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
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BRANCH MANAGER		
CHIEF ENG/ARCH		
FIRE PROTECTION		
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND		
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC		
NAVAL STATION - NORFOLK, VIRGINIA		
GROTON, CT		
NAVAL SUBMARINE BASE NEW LONDON		
P1044 SUBMARINE PIER 31 EXTENSION		
OVERALL SITE PLAN		
DEPARTMENT OF THE NAVY		
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC		
CI CODE - HAMPTON ROADS		
SCALE		
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CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
CT-DEEP		
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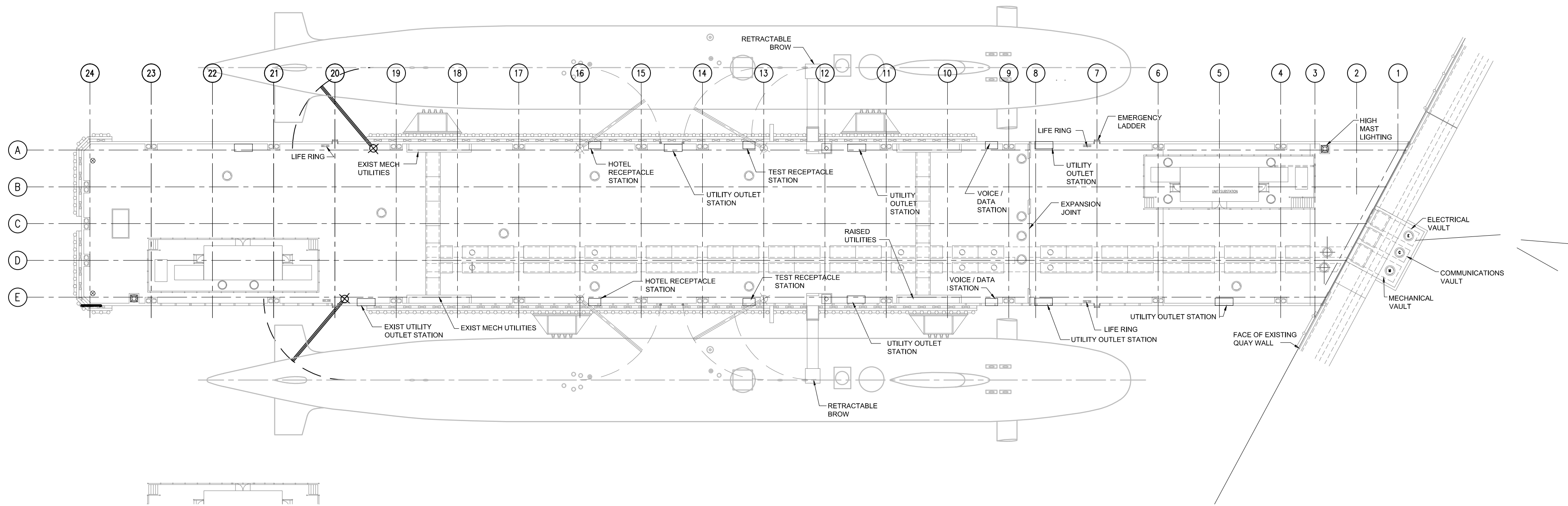
FILE NAME: U:\224101253\40\_cad\3d\_permitting\CT-DEEP\C-102 GENERAL ARRANGEMENT PLANS.dwg LAYOUT NAME: C-102 GENERAL ARRANGEMENT PLANS PLOTTED: Thursday, July 27, 2023 - 11:35am USER: macromagno

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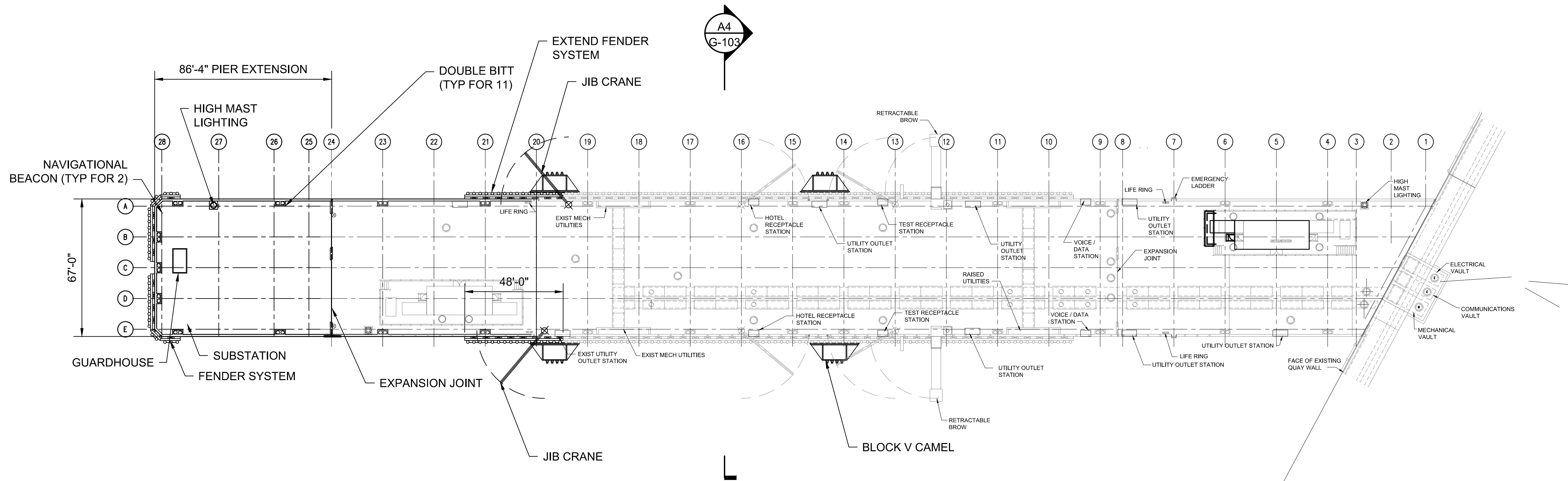
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GENERAL EXISTING ARRANGEMENT PLAN - BOW IN BERTHING

SCALE: 1/32" = 1'-0"

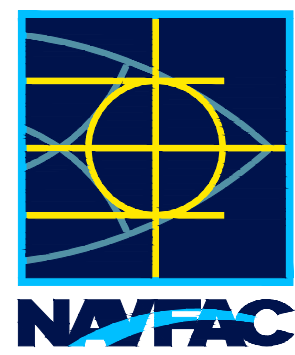


GENERAL ARRANGEMENT PLAN - BOW IN BERTHING

SCALE: 1/32" = 1'-0"



SYN	DESCRIPTION	DATE	APPR



PRELIMINARY  
NOT FOR CONSTRUCTION

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FOR COMMANDER NAVFAC	
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SATISFACTORY TO	DATE
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PM/DM	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC  
NAVAL STATION KORECK VIRGINIA  
GROTON, CT  
NAVAL SUBMARINE BASE NEW LONDON  
P1044 SUBMARINE PIER 31 EXTENSION  
GENERAL ARRANGEMENT PLANS

SCALE:	AS NOTED
PROJECT NO.:	#####
CONSTR. CONTR. NO.	#####
NAVFAC DRAWING NO.	CT-DEEP
SHEET	OF
G-102	

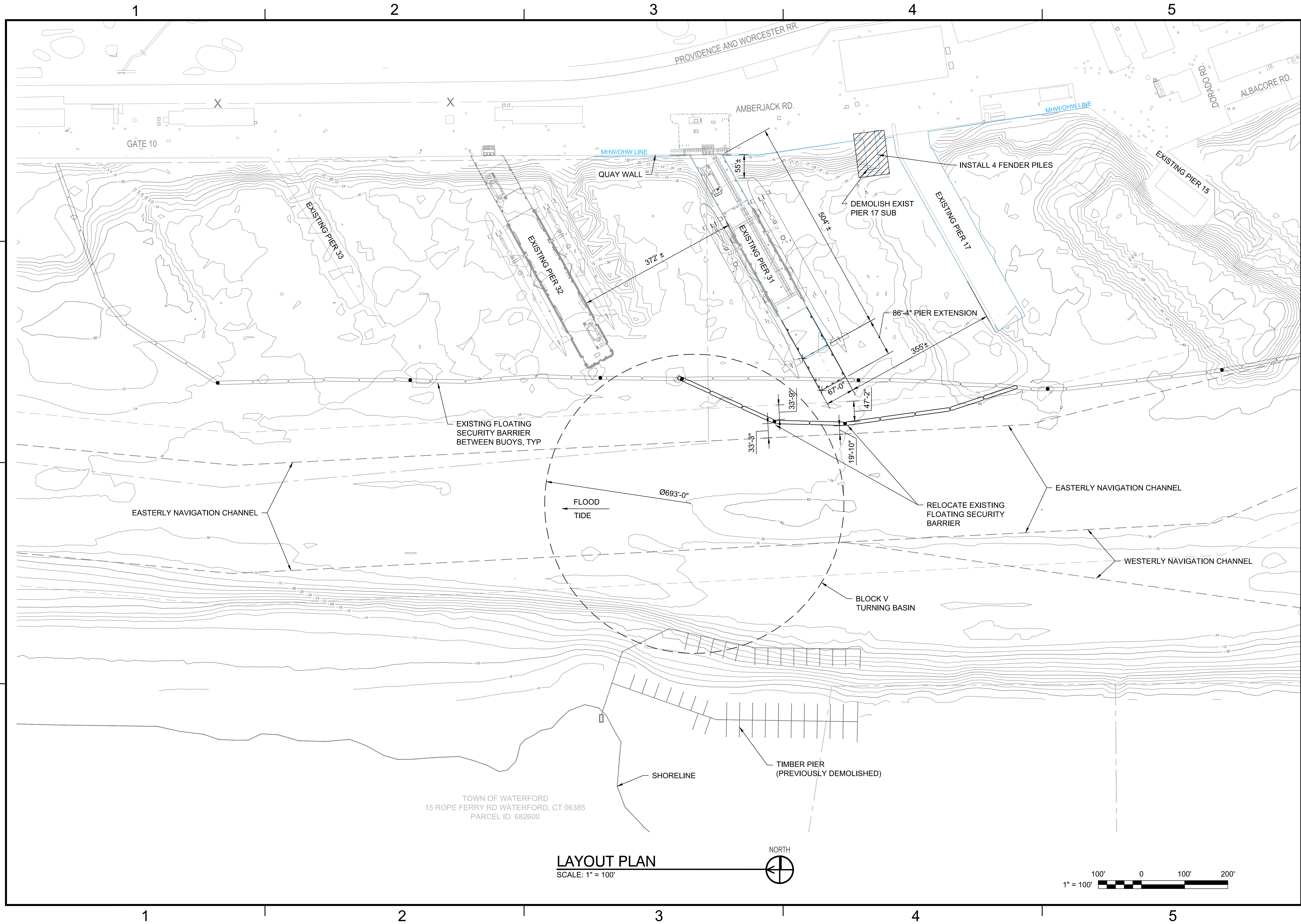
DRAWING REVISION: 25 AUGUST 2020



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FIRE PROTECTION			

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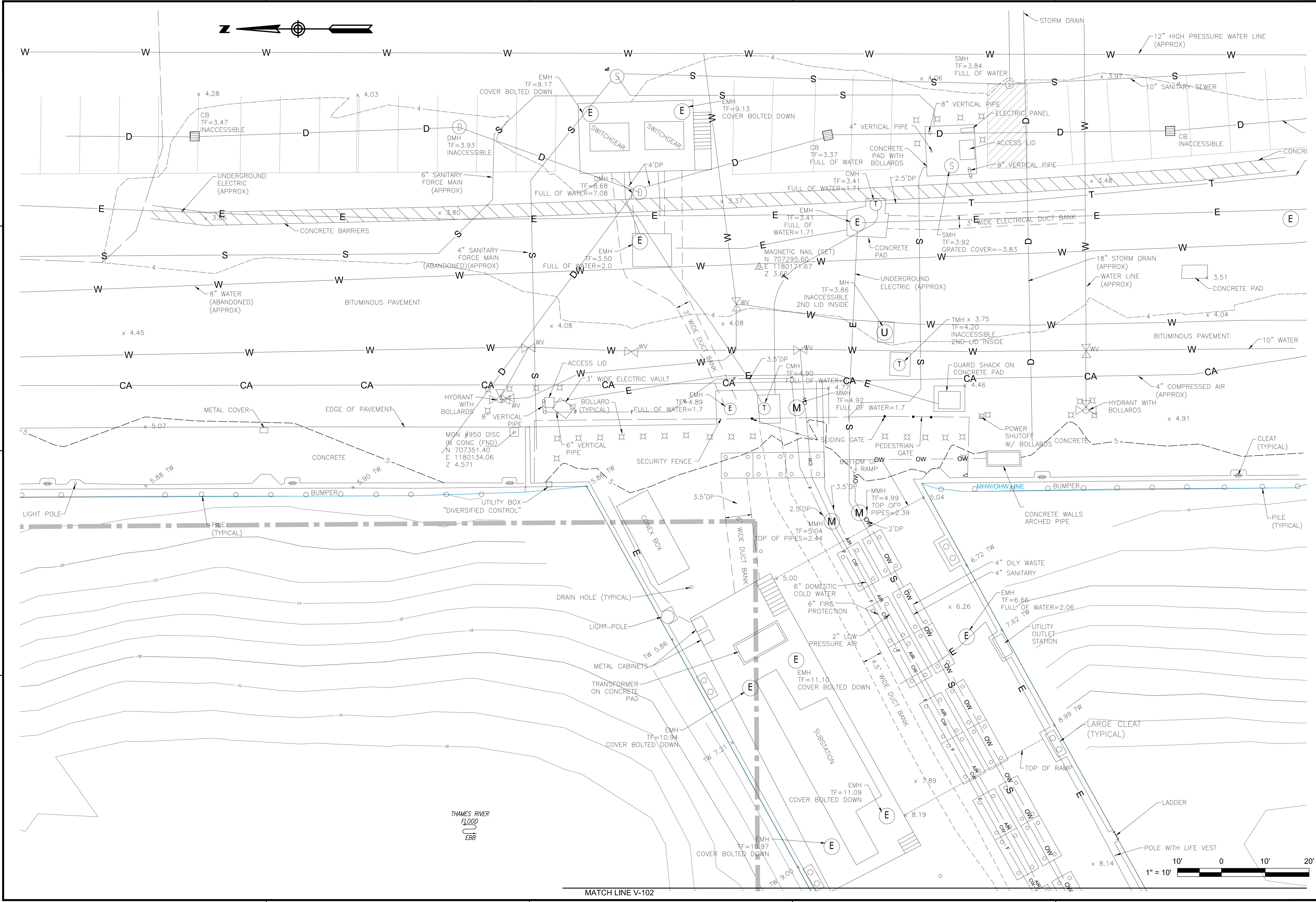




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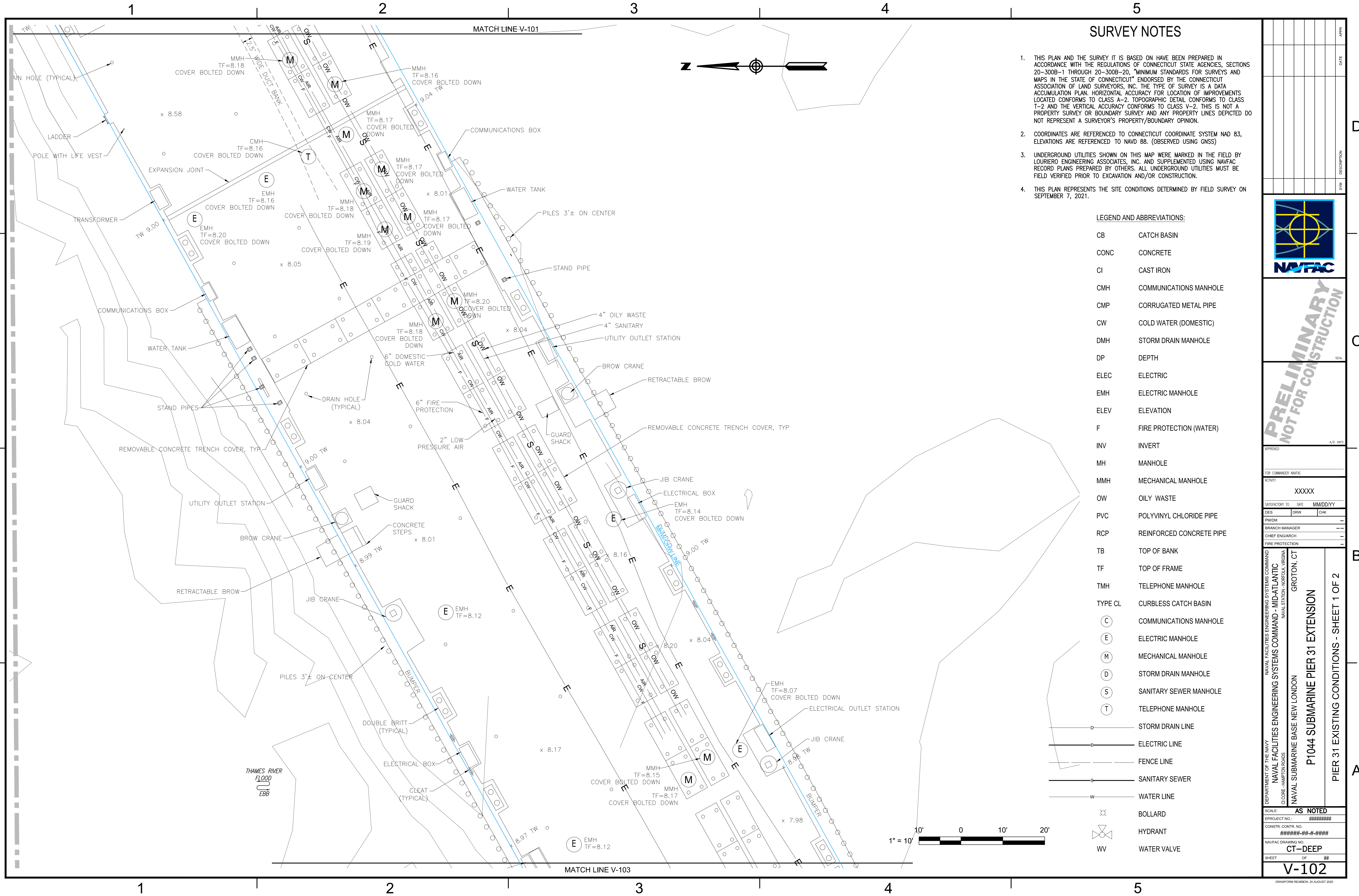


FILE NAME: U:\22410125\40\_cad\30\_permitting\CT-DEEP\V-101 EXISTING PIER 31 LANDSIDE PLOTTED: Thursday, July 27, 2023 - 1:43pm USER: macromagno



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DEPARTMENT OF THE NAVY			
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND			
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC			
NAVAL STATION KORECK VIRGINIA			
GROTON, CT			
P1044 SUBMARINE PIER 31 EXTENSION			
EXISTING PIER 31 LANDSIDE			
SCALE: AS NOTED			
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V-101			
DRAWING REVISION: 25 AUGUST 2020			







FILE NAME: U:\22410125\40\_cad\30\_permitting\CT\_DEEP\V-103 PIER 31 EXISTING CONDITIONS - SHEET 2 OF 2.dwg LAYOUT NAME: V-103 PIER 31 EXISTING CONDITIONS - SHEET 2 OF 2 PLOTTED: Thursday, July 27, 2023 - 11:45am USER: macramaggo



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FIRE PROTECTION			
DEPARTMENT OF THE NAVY		NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND	
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC		NAVAL STATION KORECK VIRGINIA	
NAVAL SUBMARINE BASE NEW LONDON		GROTON, CT	
P1044 SUBMARINE PIER 31 EXTENSION			
PIER 31 EXISTING CONDITIONS - SHEET 2 OF 2			
SCALE: AS NOTED			
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V-103			
DRAWING REVISION: 25 AUGUST 2020			



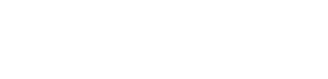




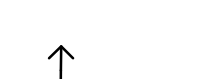
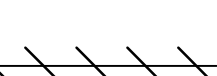
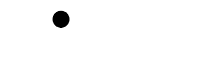
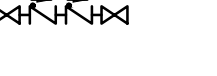
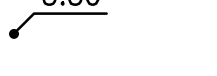
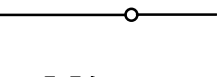
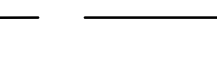
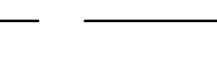
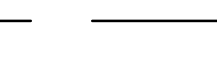
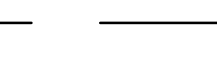
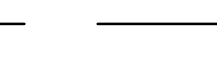
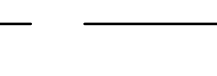
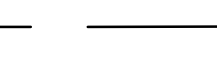
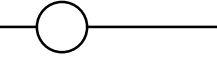
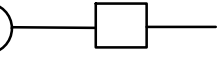
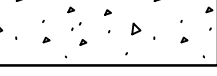
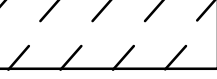
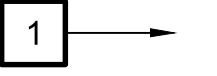
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LEGEND

EXISTING



NEW



DESCRIPTION

NEW WORK KEY NOTE  
NUMBER

BUILDING

CONCRETE  
PAVEMENT/PAD

BITUMINOUS CONCRETE  
PAVING

STORM DRAIN MANHOLE  
/ CATCH BASIN INLET

SANITARY SEWER  
MANHOLE

FRESH WATER (FW)

HIGH PRESSURE WATER (FIRE PROTECTION)

HIGH PRESSURE WATER (HPW)

STORM DRAIN

SANITARY SEWER

SANITARY FORCE MAIN

LOW PRESSURE  
AIR

UNDERGROUND ELECTRIC DUCT  
(4 DUCTS WIDE x 4 DUCTS DEEP)

UNDERGROUND COMMUNICATIONS DUCT  
(4 DUCTS WIDE x 4 DUCTS DEEP)

CHAINLINK FENCE

SPOT ELEVATION

GATE VALVE

POST INDICATOR VALVE

FIRE HYDRANT

FIRE DEPARTMENT  
CONNECTION (FDC)

REDUCED PRESSURE BACKFLOW PREVENTER  
(RPBFP)

GUARD POST / BOLLARD

REMOVABLE GUARD POST / BOLLARD

STEEL RAZOR  
WIRE

SAWCUT, REMOVE AND DISPOSE EXISTING  
BITUMINOUS CONCRETE PAVEMENT

REMOVE AND DISPOSE OF UTILITY OR REMOVE  
RAIL FOR UTILITY INSTALLATION AND REUSE

CONCRETE THRUST BLOCK

FLOW ARROW

CIVIL ABBREVIATIONS:

@

AASHTO

ABND, AB

AC

APPROX

ASTM

BLDG

BMP

BP

CA

CB

CI

CLF

CONC

DIA

DI, DIP

DMH

E

ELEV (EL)

EXIST, EX

FG

FM

FT

FW

GALV

H OR HORIZ

HP

HPA

HPW

INV

L

MHHW

MIN

N

N/A

NTS

OC

OD

OH

PSI

PVC

RC

RCP

SMH

SSFM

SSWR

TBM

TR

TYP

UNK

UNO

V OR VERT

VSP

W

W/

AT

AMERICAN ASSOCIATION OF STATE HIGHWAY  
TRANSPORTATION OFFICIALS

ABANDONED

ALTERNATING CURRENT

APPROXIMATE

AMERICAN SOCIETY FOR TESTING AND MATERIALS

BUILDING

BEST MANAGEMENT PRACTICES

BEGIN POINT

COMPRESSED AIR

CATCH BASIN

CAST IRON

CHAIN LINK FENCE

CONCRETE

DUCTILE IRON PIPE

DRAIN MANHOLE

EASTING

ELEVATION

EXISTING

FINISH GRADE

FORCE MAIN

FEET

FRESH WATER

GALVANIZED

HORIZONTAL

HIGH POINT

HIGH PRESSURE AIR

HIGH PRESSURE WATER

INVERT

LENGTH

MEAN HIGHER HIGH WATER

MINIMUM

NORTHING

NOT APPLICABLE

NOT TO SCALE

ON CENTER

OUTSIDE DIAMETER

OVERHEAD

POUNDS PER SQUARE INCH

POLYVINYL CHLORIDE

REINFORCED CONCRETE

REINFORCED CONCRETE PIPE

SANITARY MANHOLE

SANITARY SEWER FORCE MAIN

GRAVITY SANITARY SEWER

TEMPORARY BENCH MARK

TOP OF RIM

TYPICAL

UNKNOWN

UNLESS NOTED OTHERWISE

VERTICAL

VERTICAL SEWER PIPE

WIDTH

WITH

GENERAL NOTES:

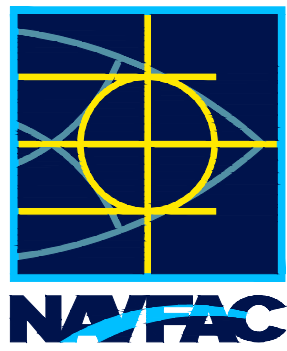
- THE LOCATIONS SHOWN FOR EXISTING UNDERGROUND UTILITIES AND ABOVE GROUND FEATURES ARE BASED ON AVAILABLE BASE UTILITY PLANS AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES THROUGH THE USE OF A QUALIFIED UNDERGROUND UTILITY LOCATION SERVICE PRIOR TO ANY EXCAVATION. UTILITIES LOCATED MUST BE INDICATED ON THE "AS-BUILT" DRAWINGS. NOTIFY THE CONTRACTING OFFICER 72 HOURS PRIOR TO COMMENCING DEMOLITION, EXCAVATION, OR CONSTRUCTION.
- WATERFRONT UTILITY OPERATIONS WILL REMAIN ACTIVE THROUGHOUT THE WORK OF THE PROJECT. PROTECT EXISTING UTILITIES TO MAINTAIN 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 STATIONING SHALL BE ADJUSTED AS REQUIRED TO CONFORM TO PLAN DIMENSIONS.
- EXISTING TOPOGRAPHY AND PHYSICAL FEATURES SHOWN ARE BASED ON SURVEYS PERFORMED ON SEPTEMBER 7, 2021 BY LOUREIRO ENGINEERING, PLAINVILLE, CONNECTICUT UNLESS OTHERWISE NOTED. VERTICAL CONTROL IS BASED ON 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 ON THE SUB BASE. CONTACT THE CONTRACTING OFFICER FOR ADDITIONAL MONUMENT AND BENCHMARKS LOCATED IN THE VICINITY OF PIER 31.
- THE 100 YEAR BASE FLOOD ELEVATION ZONE AE EQUALS 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 LATEST VERSION OF, CONNECTICUT GUIDELINES 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 DEMOLITION OPERATIONS, TEMPORARY IMPROVEMENTS, 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 CONNECTION POINTS. IF NECESSARY, THE ELEVATIONS FOR NEW PIPING SHALL BE ADJUSTED AS DIRECTED BY THE CONTRACTING OFFICER.
- UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED FROM RECORD MAPPING AND OTHER AVAILABLE DATA. THE OWNER OR IT'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 EXISTENCE, SIZE AND LOCATION OF THESE FEATURES MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 OR WWW.CBYD.COM 72-HOURS PRIOR TO STARTING 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 URPOSES; PROTECTIVE CLOTHING, HOODS, SHEETING, TARPS,POLYETHYLENE BOTTLES OR OTHER CONTAINERS, TAPES, BAGS, BANDING, IDENTIFICATION MARKS ON TOOLS, BOUNDARY MARKERS, RIBBONS, VENT DUCTS, 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 MATERIALS. YELLOW COLORED ITEMS SUCH AS DESCRIBED ABOVE ARE 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 AND LEAKS OF OIL OR OTHER HAZARDOUS SUBSTANCES (IE OIL, ANTIFREEZE, CHEMICALS, ETC.) OCCURRING DURING THE PERFORMANCE OF THIS CONTRACT IMMEDIATELY UPON DISCOVERY, REGARDLESS OF THE QUANTITY. 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 FRIABLE AND NON-FRIABLE ASBESTOS AND ANY OTHER MATERIAL THAT MAY BE HAZARDOUS TO HUMAN HEALTH IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS.

DRAWING NUMBER ABBREVIATIONS:

C	CIVIL
CD	CIVIL DEMOLITION
CS	CIVIL SITE
CN	CIVIL NAVIGATION



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NOT FOR CONSTRUCTION

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

XXXXX

SATISFACTORY TO DATE MM/DD/YY

DES - DRW - CHK -

PMIDM

BRANCH MANAGER

CHIEF ENGINEER

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC

NAVAL STATION KORECK VIRGINIA

NAVAL SUBMARINE BASE NEW LONDON

GROTON, CT

P1044 SUBMARINE PIER 31 EXTENSION

CIVIL LEGEND ABBREVIATIONS & GENERAL NOTES

SCALE: AS NOTED

PROJECT NO.: #####

CONSTR. CONTR. NO. #####

NAVFAC DRAWING NO. CT-DEEP

SHEET - OF -

C-001

DRAWING REVISION: 25 AUGUST 2020



1. SEE C-001 FOR LEGEND, ABBREVIATIONS & GENERAL NOTES.
2. COORDINATE FENCE REMOVAL WITH CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
3. SEE C-103 FOR SITE WORK.



**PRELIMINARY  
NOT FOR CONSTRUCTION**

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IRE PROTECTION		-	

GLOUCE - HAMPTON ROADS NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC NAVAL STATION - NORFOLK VIRGINIA	GROTON, CT
NAVAL SUBMARINE BASE NEW LONDON	
P1044 SUBMARINE PIER 31 EXTENSION	
SITE DEMOLITION PLAN - CRANE WEIGHT HANDLING AREA	

SALE: **AS NOTED**  
 PROJECT NO.: #####  
 INSTR. CONTR. NO. #####  
 AVFAC DRAWING NO. **CT-DEEP**  
 SHEET OF ##  
**CD101**



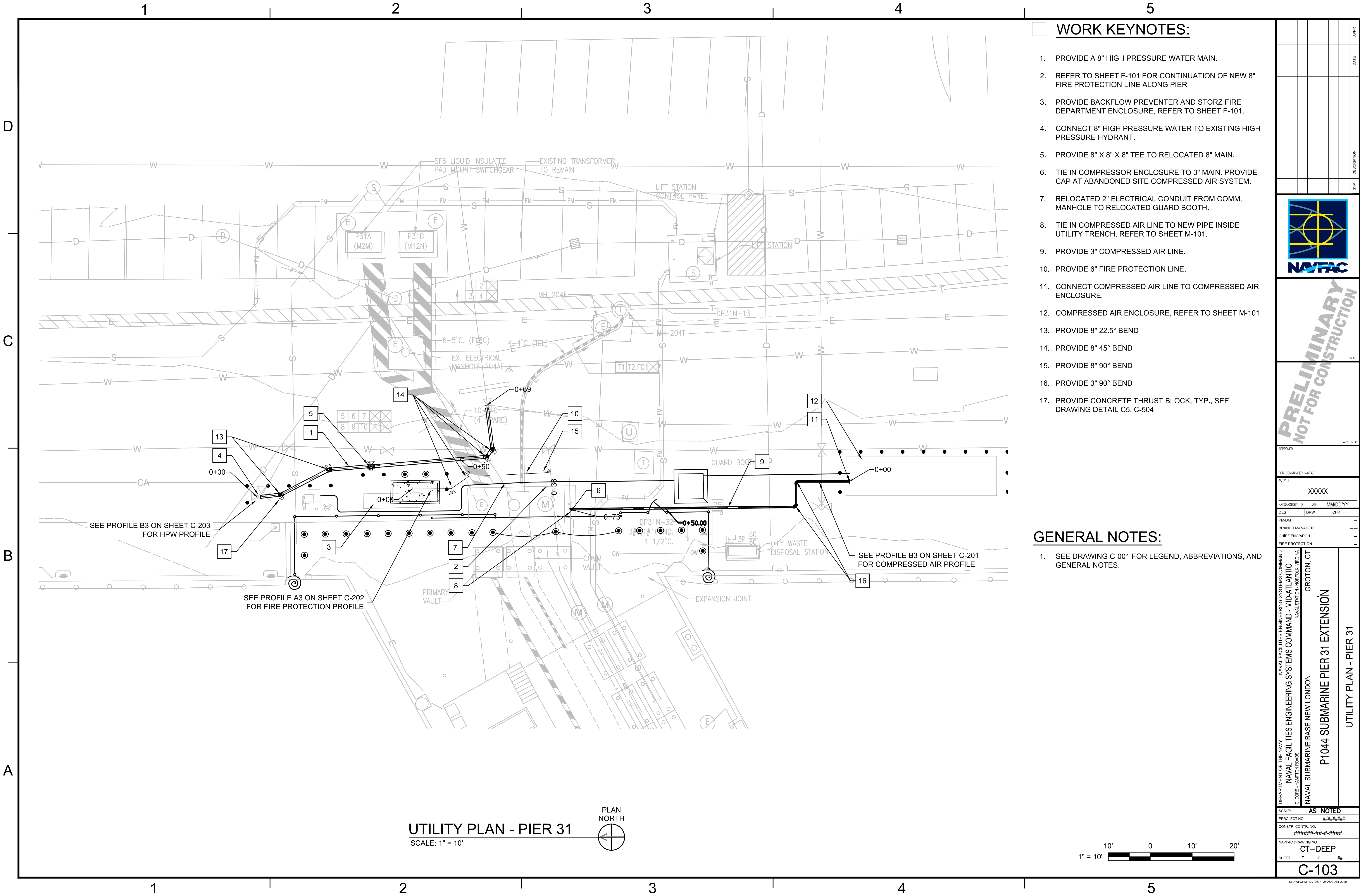




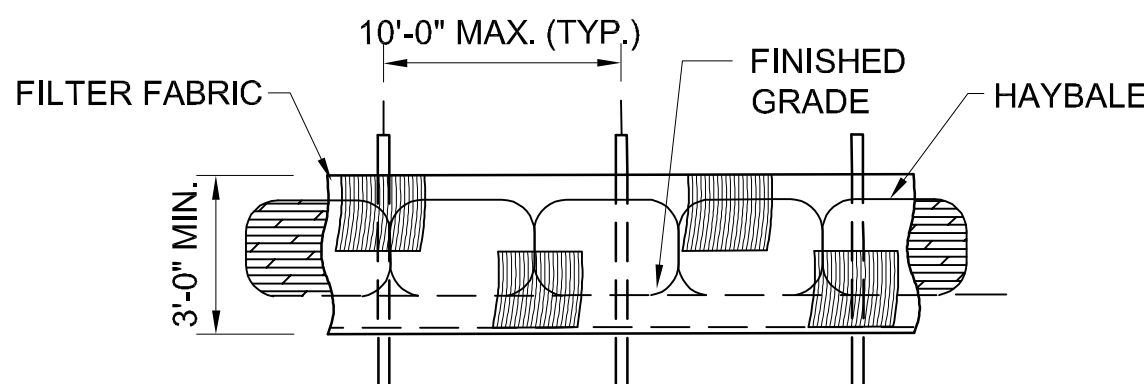




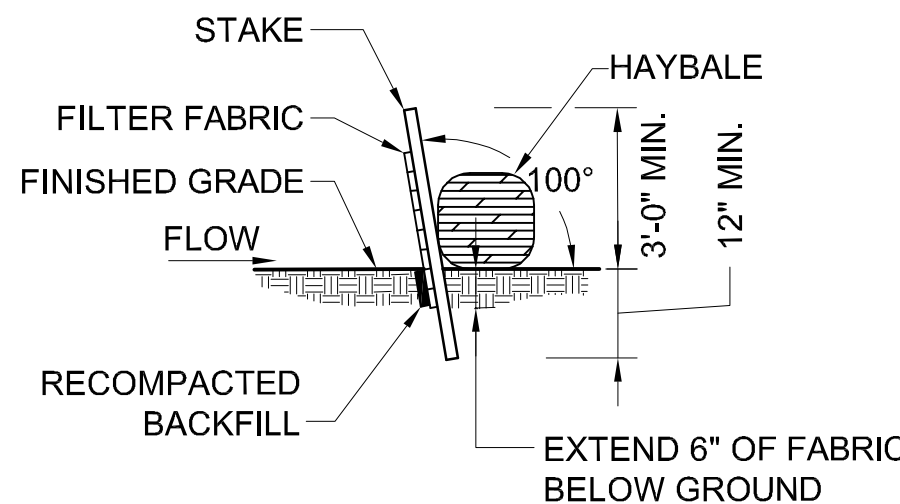
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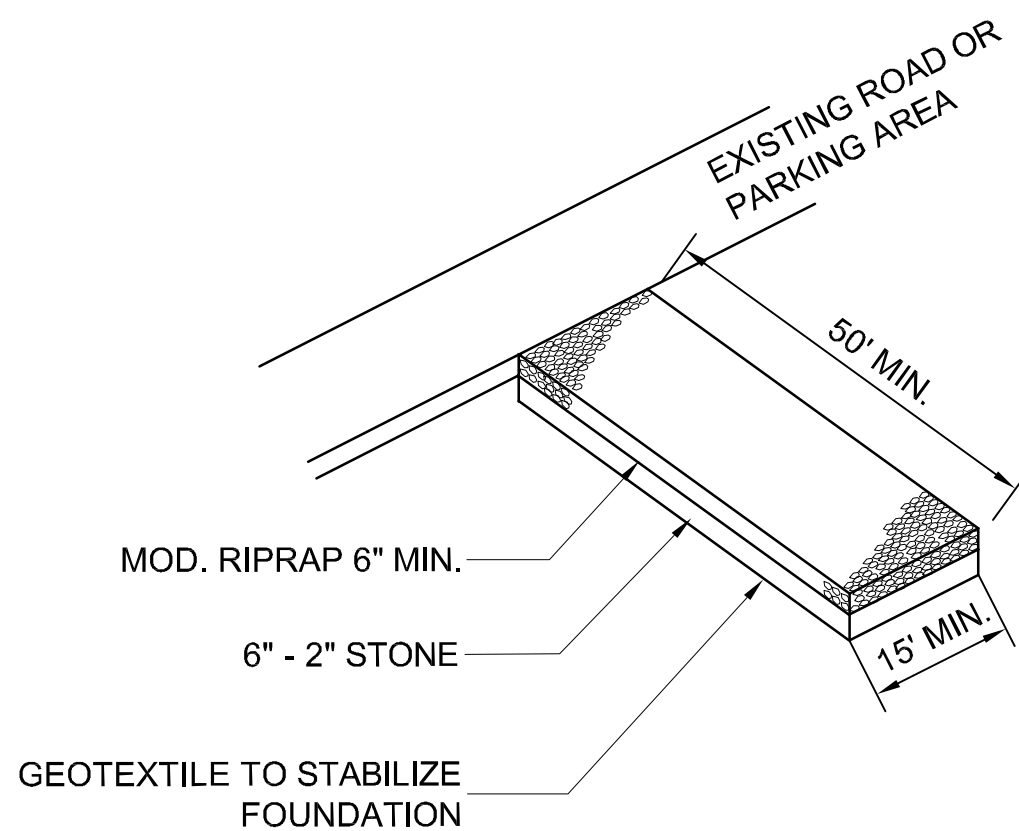


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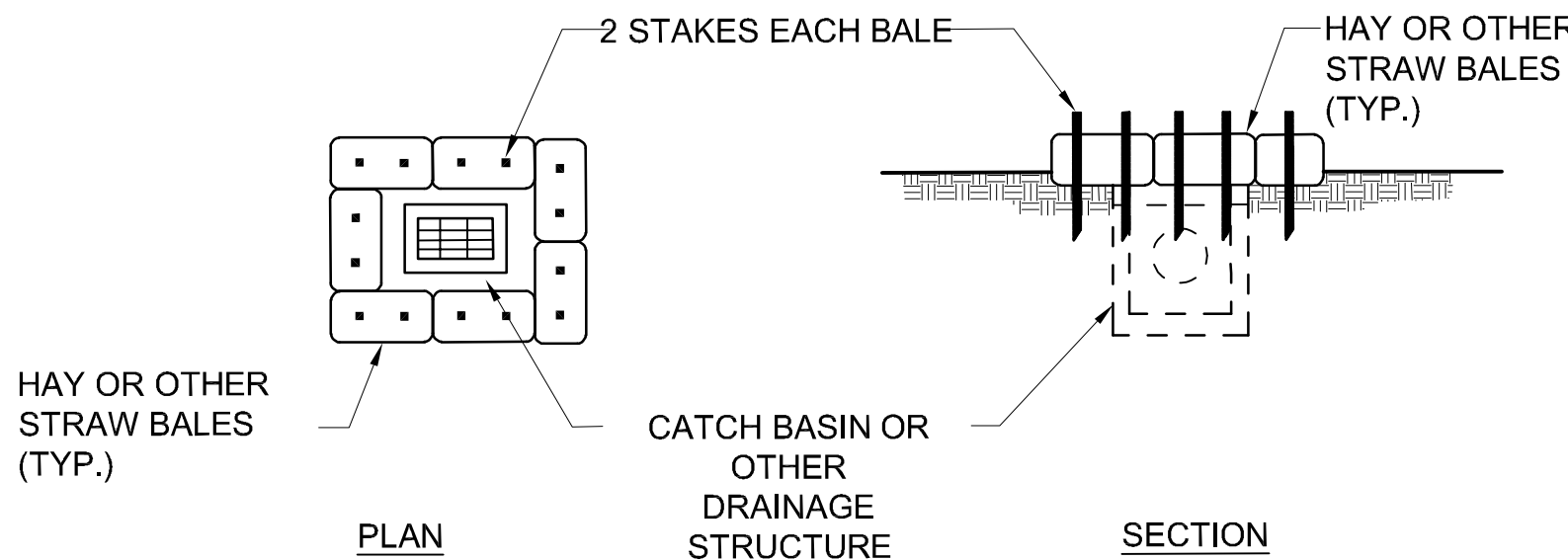
## ELEVATION



## SECTION



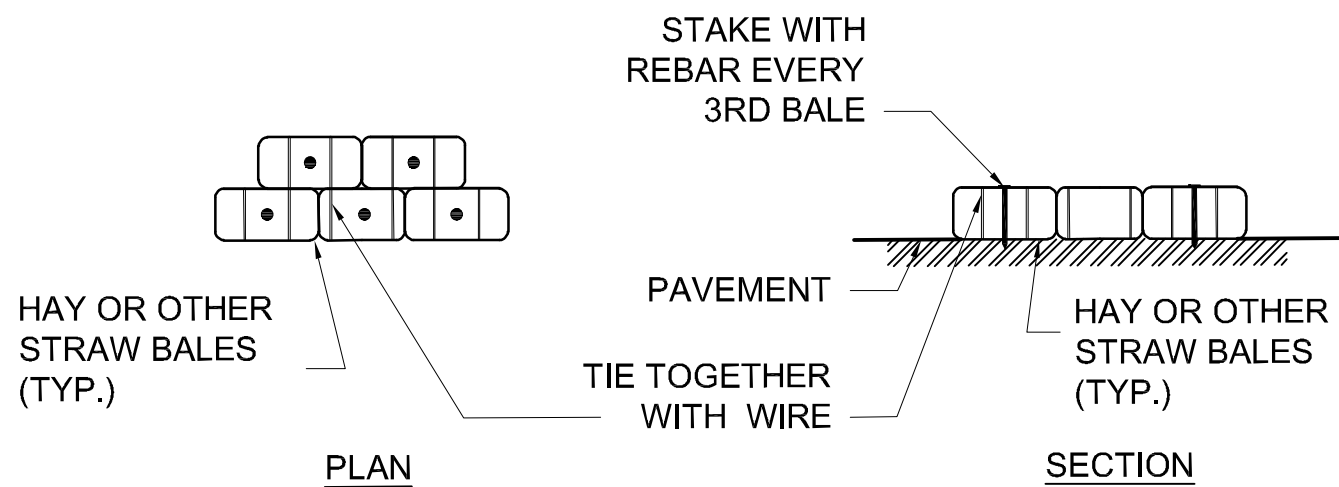
## ANTI-TRACKING PAD DETAIL



NOTE:

1. ALL EXISTING OR NEW CATCH BASINS IN AREAS DISTURBED BY CONSTRUCTION SHALL BE PROTECTED BY SEDIMENTATION CONTROLS.

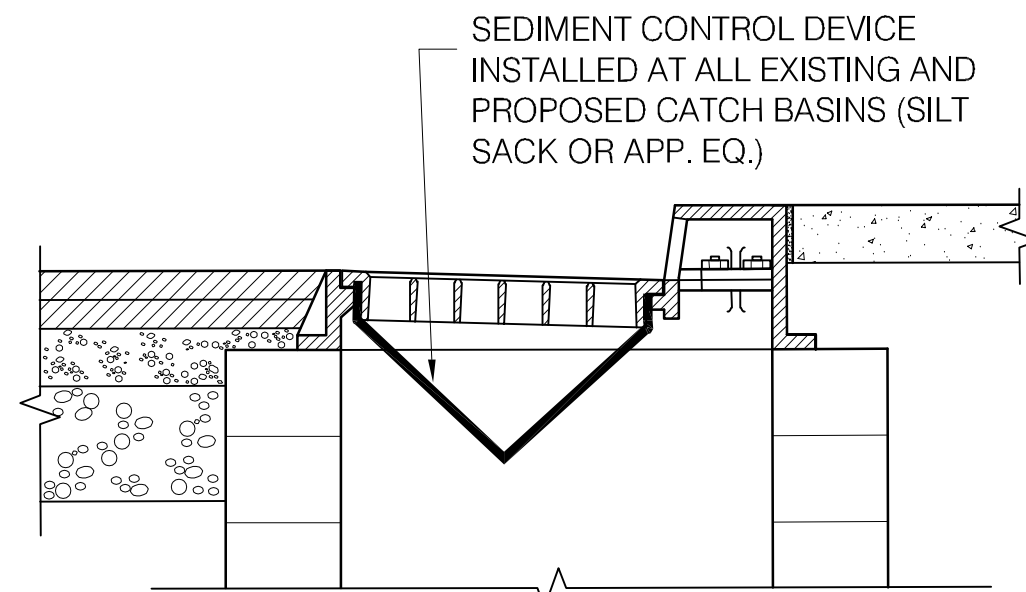
## HAY BALE DETAIL



NOTE:

1. PATCH HOLE WITH LIQUID BITUMEN AND COVER WITH SAND ONCE BALES ARE REMOVED OR MOVED.

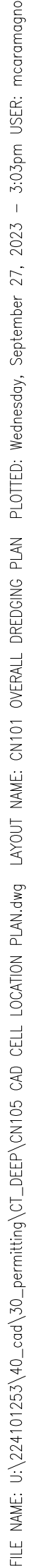
## HAY BALE ON PAVEMENT DETAIL



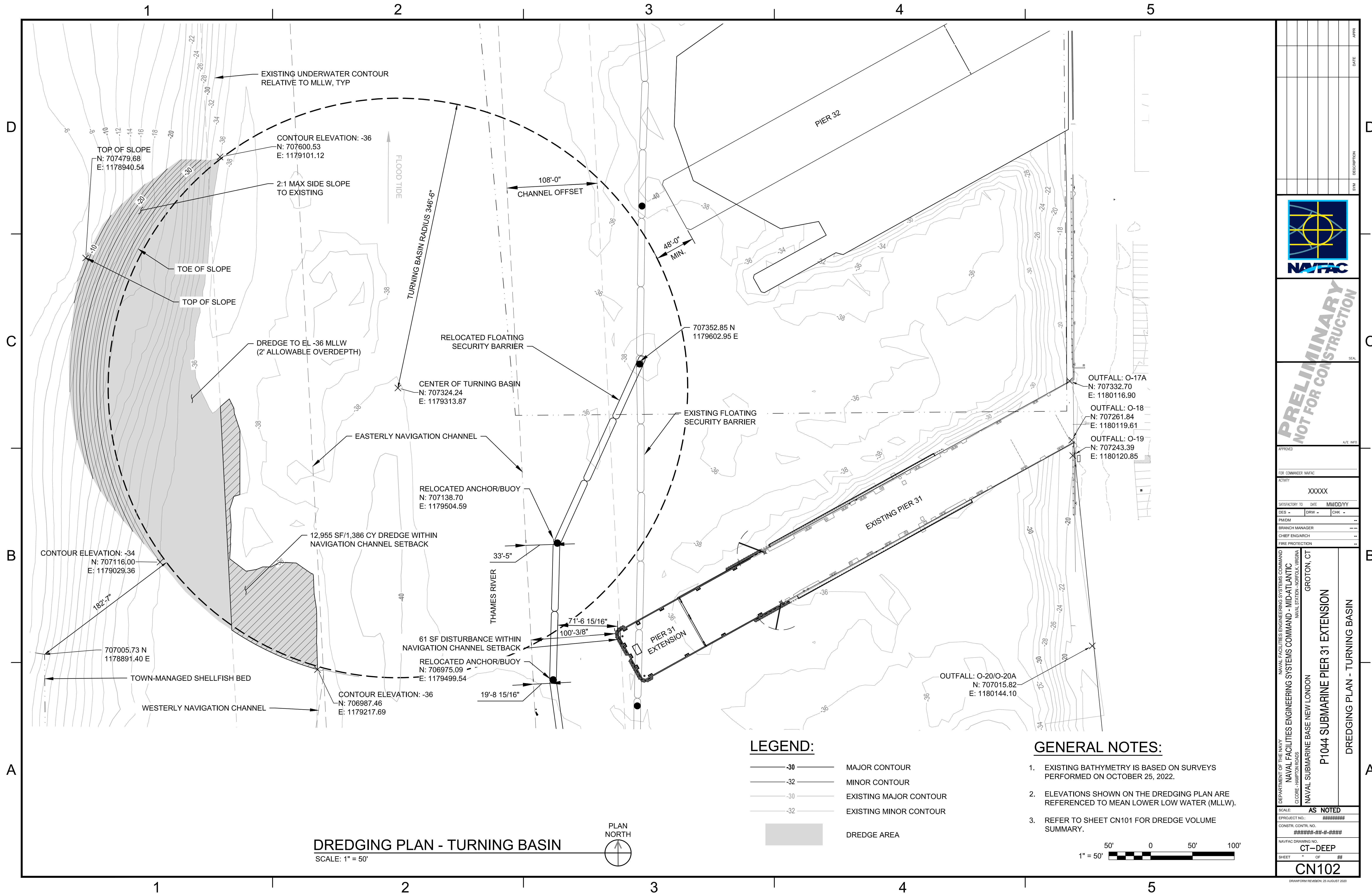
SECTION

## SEDIMENT EROSION CONTROL AT CATCH BASINS



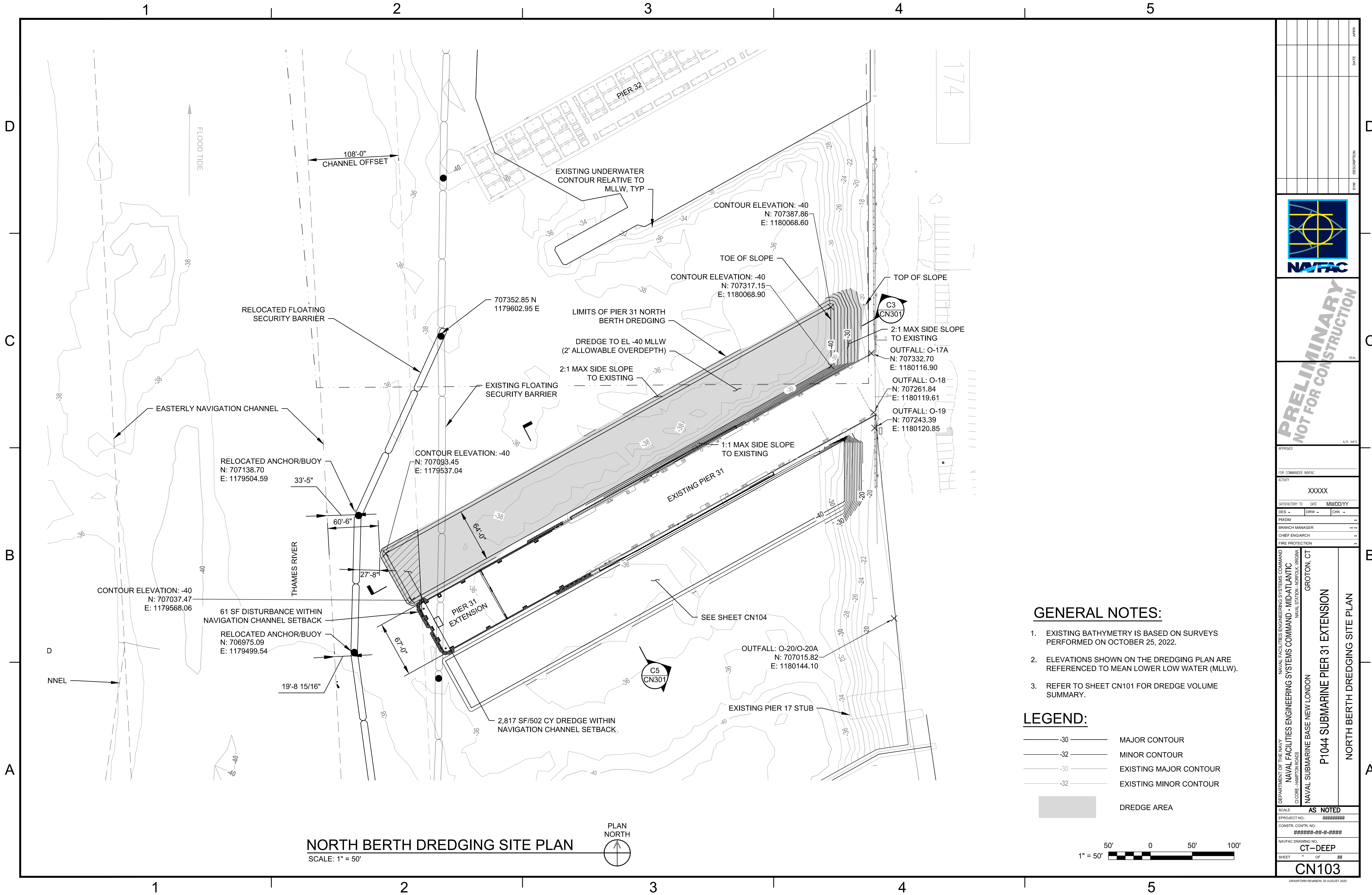








FILE NAME: U:\24101253\40\_cad\30\_permitting\CT-DEEP\CN103 CAD CELL LOCATION PLAN.dwg LAYOUT NAME: CN103 NORTH BERTH DREDGING SITE PLAN PLOTTED: Thursday, November 09, 2023 - 1:46pm USER: mcanamgno

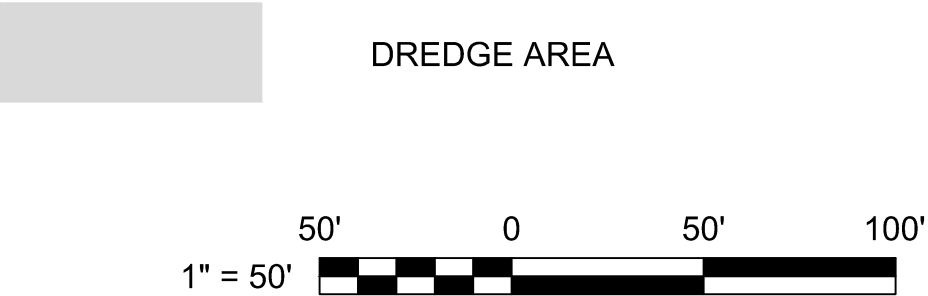


GENERAL NOTES:

- EXISTING BATHYMETRY IS BASED ON SURVEYS PERFORMED ON OCTOBER 25, 2022.
- ELEVATIONS SHOWN ON THE DREDGING PLAN ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW).
- REFER TO SHEET CN101 FOR DREDGE VOLUME SUMMARY.

LEGEND:

- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR



SYMBOL	DESCRIPTION	DATE	APPROVED



PRELIMINARY  
NOT FOR CONSTRUCTION

APPROVED  
FOR COMMANDER NAVFAC  
ACTIVITY  
XXXXX  
SATISFACTORY TO DATE MM/DD/YY  
DES - DRW - CHK -  
PM/DM  
BRANCH MANAGER  
CHIEF ENGINEER  
FIRE PROTECTION

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC  
NAVAL STATION NORFOLK VIRGINIA  
GROTON, CT  
NAVAL SUBMARINE BASE NEW LONDON  
P1044 SUBMARINE PIER 31 EXTENSION  
NORTH BERTH DREDGING SITE PLAN

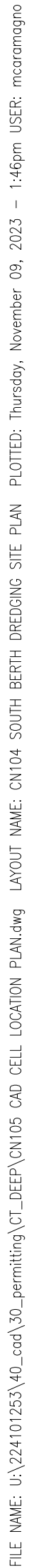
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND  
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC  
NAVAL STATION NORFOLK VIRGINIA  
GROTON, CT  
NAVAL SUBMARINE BASE NEW LONDON  
P1044 SUBMARINE PIER 31 EXTENSION  
NORTH BERTH DREDGING SITE PLAN

SCALE: AS NOTED  
PROJECT NO.: #####  
CONSTR. CONTR. NO.: #####-##-#-####  
NAVFAC DRAWING NO.: CT-DEEP  
SHEET OF ##

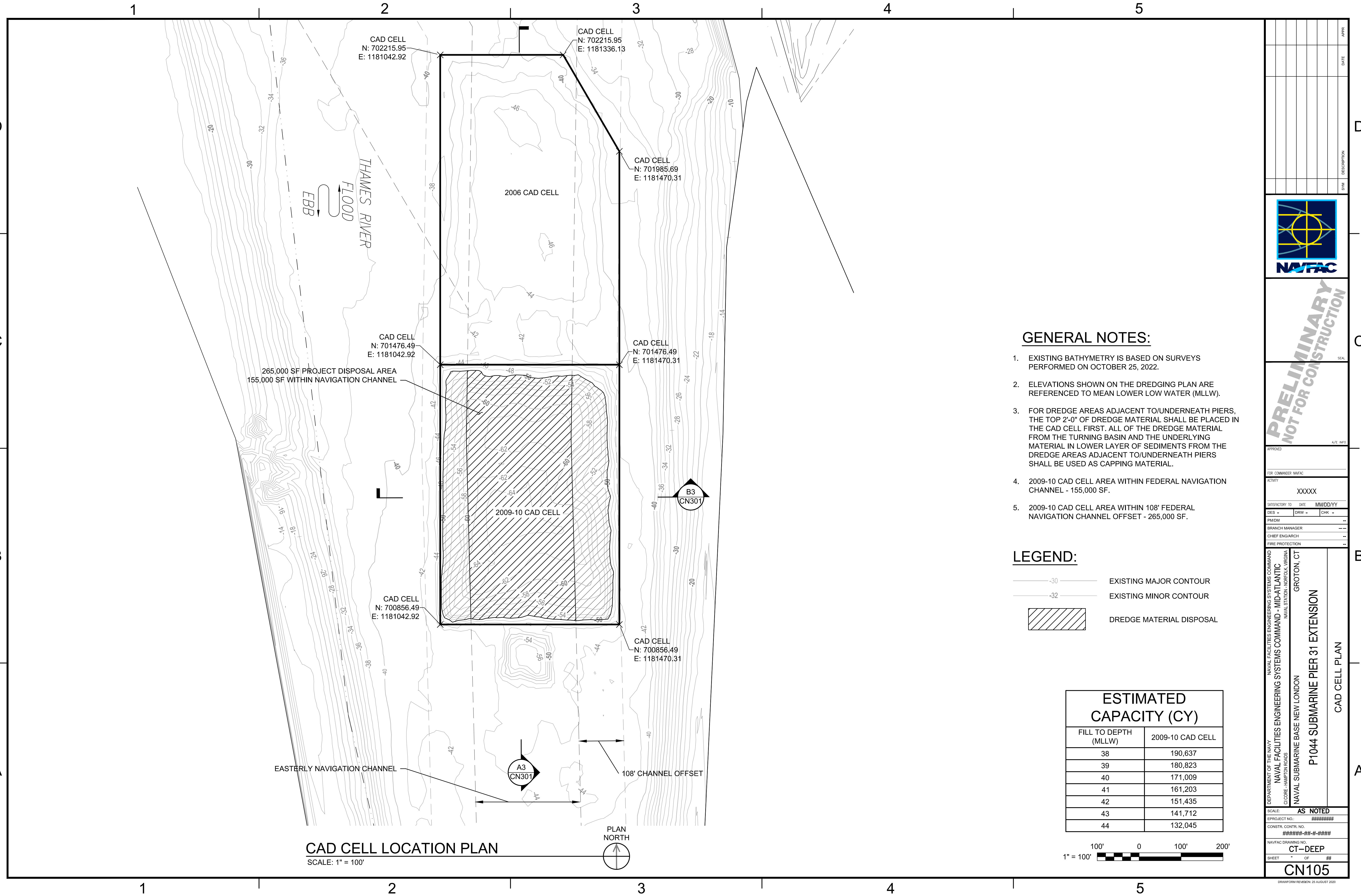
CN103

DRAWING REVISION: 25 AUGUST 2020





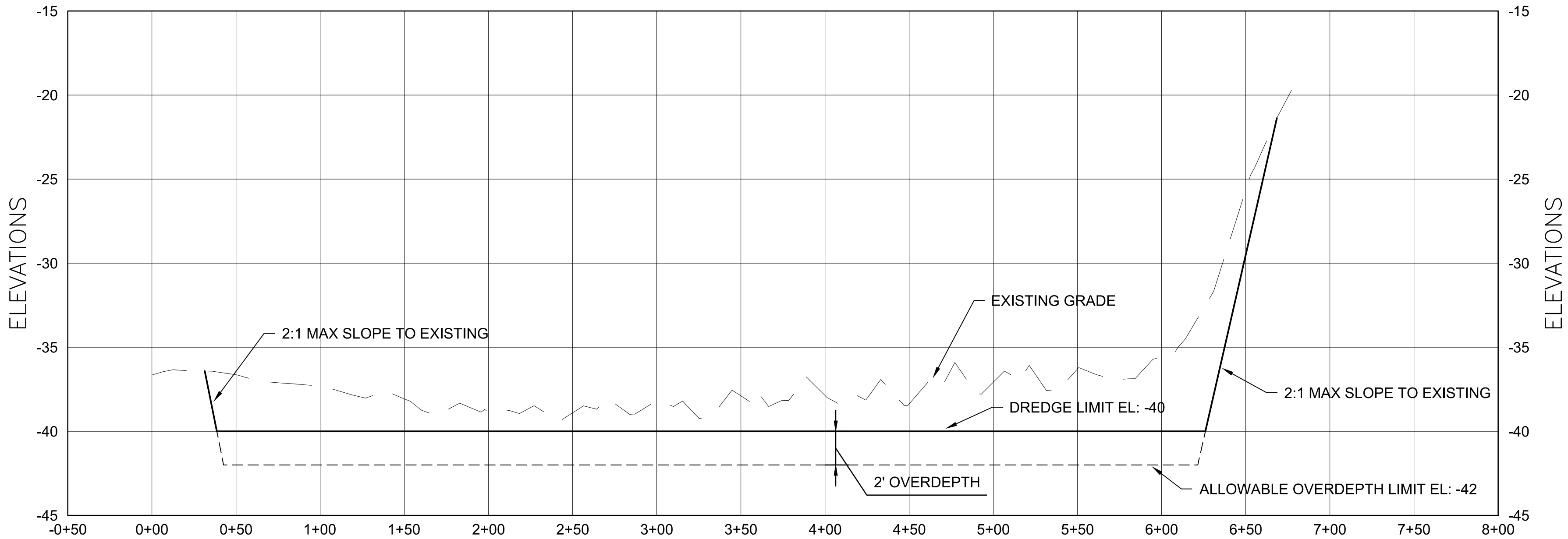






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D



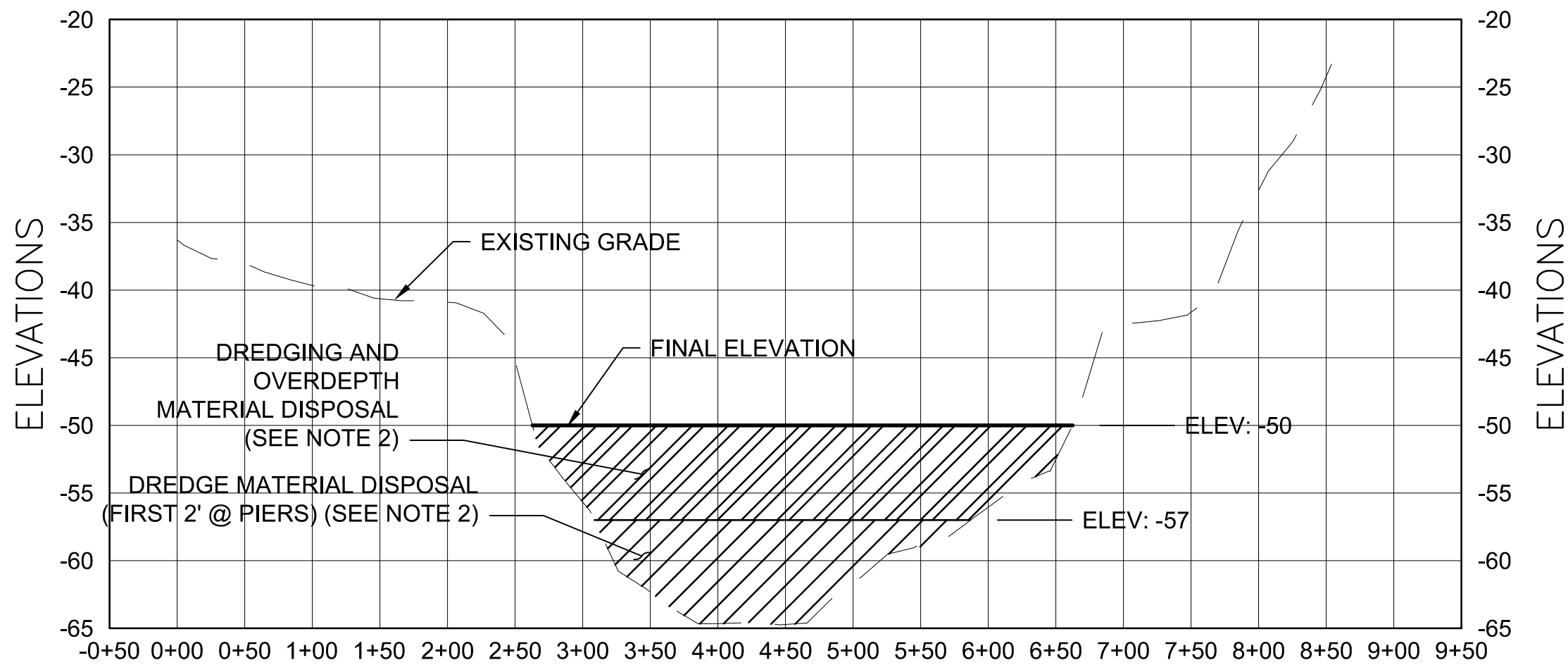
PIER 31 DREDGING LONGITUDINAL TYPICAL SECTION

HORIZ. SCALE: 1" = 50'  
VERT. SCALE: 1" = 5'

CN103, CN104

C3

C



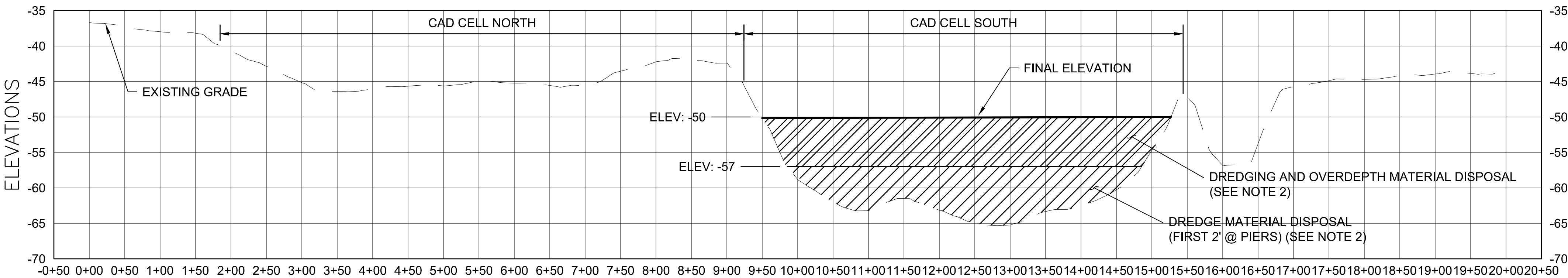
CAD CELL TRANSVERSE TYPICAL SECTION

HORIZ. SCALE: 1" = 100'  
VERT. SCALE: 1" = 10'

CN105

B3

B



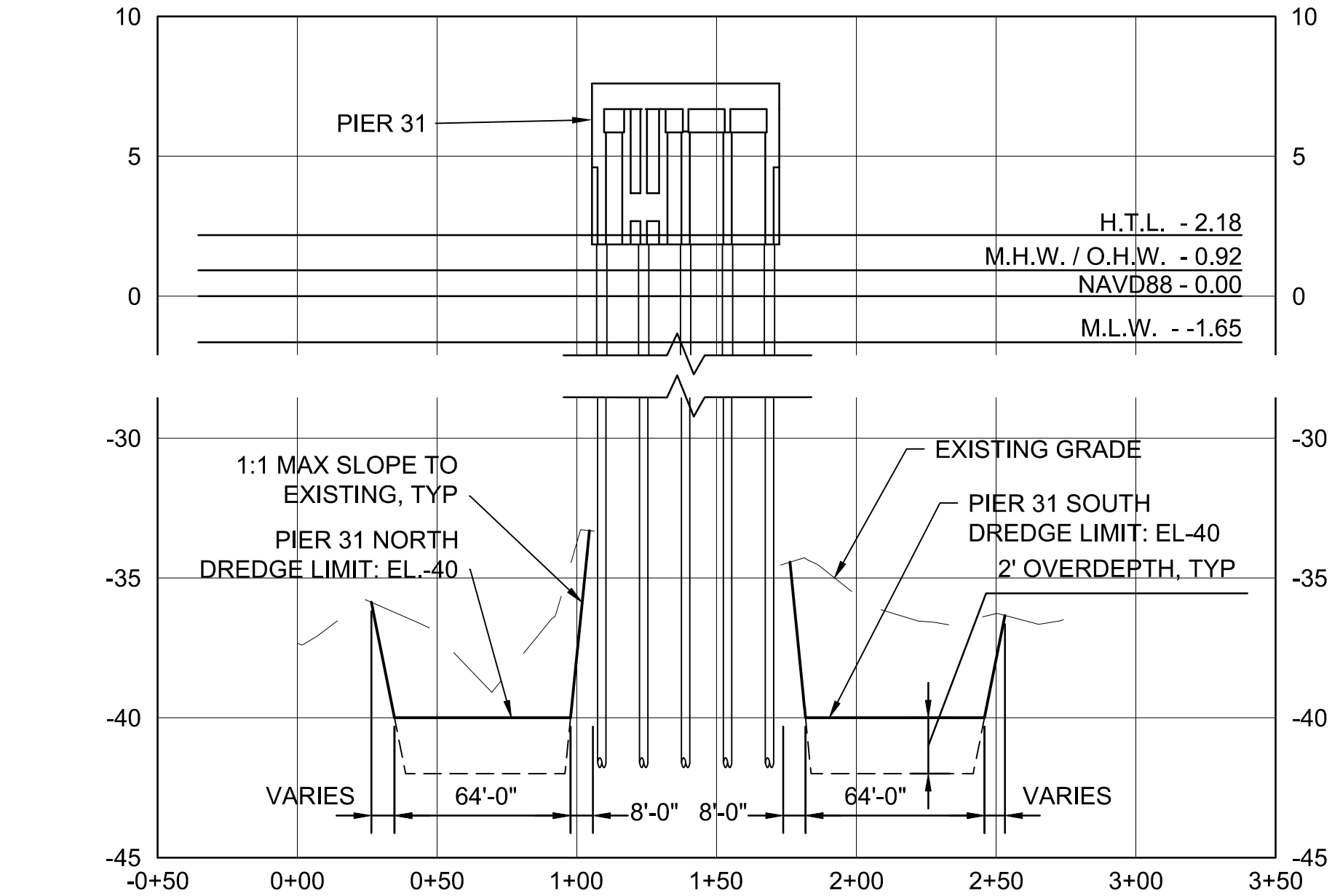
CAD CELL LONGITUDINAL TYPICAL SECTION

HORIZ. SCALE: 1" = 100'  
VERT. SCALE: 1" = 10'

CN105

A3

A



PIER 31 DREDGING TRANSVERSE TYPICAL SECTION

HORIZ. SCALE: 1" = 50'  
VERT. SCALE: 1" = 5'

CN103, CN104

C5

D

PRELIMINARY  
NOT FOR CONSTRUCTION

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FOR COMMANDER NAVFAC	
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SATISFACTORY TO	DATE MM/DD/YY
DES -	DRW -
CHK -	CHK -
PMDM	
BRANCH MANAGER	
CHIEF ENGINEER	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND	NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC	NAVAL STATION KORECK VIRGINIA	GROTON, CT
NAVAL SUBMARINE BASE NEW LONDON		P1044 SUBMARINE PIER 31 EXTENSION		
DREDGING TYPICAL SECTIONS				

SCALE:	AS NOTED
PROJECT NO.:	#####
CONSTR. CONTR. NO.	#####
NAVFAC DRAWING NO.	CT-DEEP
SHEET	OF

CN301

DRAWFORM REVISION: 25 AUGUST 2020

GENERAL NOTES:

- ELEVATIONS SHOWN ON THE DREDGING PLAN ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW).
- FOR DREDGE AREAS ADJACENT TO/UNDERNEATH PIERS, THE TOP 2'-0" OF DREDGE MATERIAL SHALL BE PLACED IN THE CAD CELL FIRST. ALL OF THE DREDGE MATERIAL FROM THE TURNING BASIN AND THE UNDERLYING MATERIAL IN LOWER LAYER OF SEDIMENTS FROM THE DREDGE AREAS ADJACENT TO/UNDERNEATH PIERS SHALL BE USED AS CAPPING MATERIAL.