



U.S. COAST GUARD
CIVIL ENGINEERING
CEU PROVIDENCE



Austin
Brockenbrough
ENGINEERING + CONSULTING

1011 Boulder Springs Drive, Suite 200 | Richmond, Virginia 23225
804.592.3900 main | 804.592.3901 fax
www.brockenbrough.com

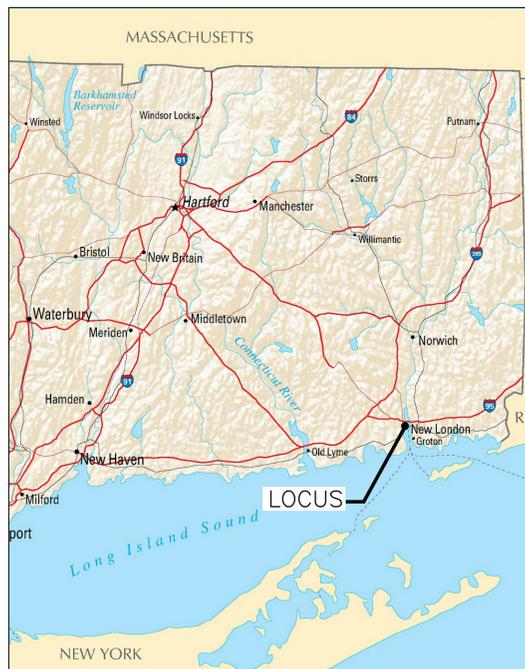
DRAWING INDEX

SHEET ID	SHEET NO.	SHEET TITLE
G-001	1	COVER SHEET
G-101	2	NOTES
C-101	3	SITE PLAN
C-102	4	CIVIL PLAN
C-103	5	PROPOSED DREDGE PLAN
C-301	6	PROPOSED DREDGE SECTIONS
S-101	7	EXISTING/DEMOLITION PIER PLAN AND SECTION
S-102	8	PROPOSED PIER PLAN AND SECTION
S-103	9	FENDER CUSHION PLANS
S-104	10	FORCE PROTECTION PLAN
S-501	11	DETAILS
S-502	12	DETAILS
P-101	13	PLUMBING SITE PLAN
P-501	14	PLUMBING DETAILS
P-502	15	RAILROAD DETAILS
E-001	16	ELECTRICAL LEGEND, NOTES, AND ABBREVIATIONS
E-101	17	ELECTRICAL SITE PLAN
E-401	18	ELECTRICAL PARTIAL PLAN
E-501	19	ELECTRICAL DETAILS

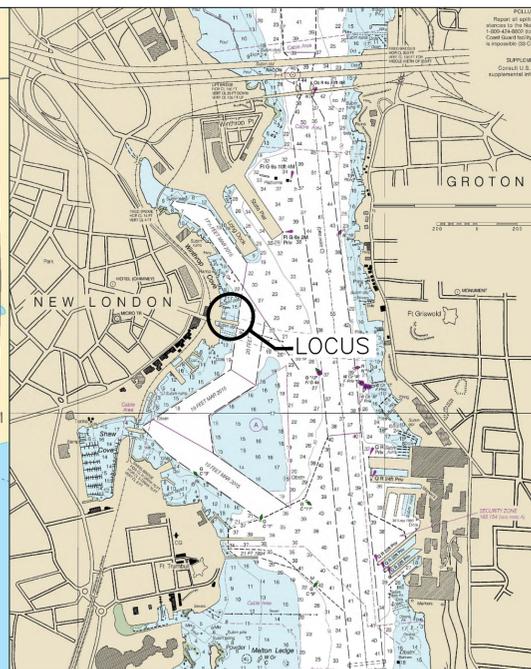


DATE	04/26/23
MARK DESCRIPTION	100% FOR CONSTRUCTION
SCALE: AS SHOWN	PLOTTING SCALE: 1:1

NEW HOME PORT FOR USCGC CUTTER EAGLE NEW LONDON, CONNECTICUT PROJECT NUMBER 16192309



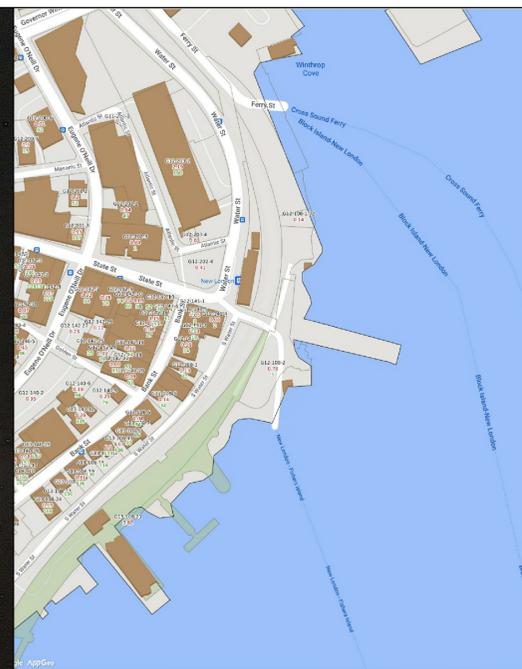
VICINITY MAP
SCALE: NTS



LOCATION MAP
SCALE: NTS



PHOTO
SCALE: NTS



PROPERTY MAP
SCALE: NTS

USCGC PROJECT NO. 16190401	CIVIL ENGINEERING UNIT PROVIDENCE 475 KILVERT ST., SUITE 100 WARWICK, RI 02886	A/E COMPANY: CHILD'S ENGINEERING CORPORATION 1111 WASHINGTON ST., SUITE 200 BELLINGHAM, WA (509)866-9092
USCGC DRAWING NO. P16190401C001	PROJECT ENGINEER: CHARLIE M. ROBERTS	A/E PROJECT NO.: 2953-21.01
USCGC FILENAME P16190401C-001.DWG	DESIGNED BY: LPL	CONSULTING A/E:
SHEET 01 OF 19	EDITED BY: LPL	DRAWN BY: TEC
	CHECKED BY: CMR	

NEW HOME PORT FOR USCGC CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE
NEW LONDON
GENERAL
COVER SHEET

MICHAEL P. CAROSOTTO, PE 04/26/2023
APPROVING OFFICER DATE

MICHAEL P. CAROSOTTO, PE
TECHNICAL DIRECTOR

DAVID GLASS, PE
BRANCH CHIEF

SHEET ID
CITY PIER
G-001

PROJECT DESCRIPTION

THE WORK INCLUDES BUT IS NOT LIMITED TO BERTHING UPGRADES WHICH INCLUDE THE INSTALLATION OF THREE SECTIONS OF TIMBER FENDER PILES AND ASSOCIATED WALES, ALL LOCATED ON THE SOUTH SIDE OF CITY PIER. THREE NEW SEA CUSHIONS WILL BE ADDED TO THE SOUTH SIDE OF THE PIER, TEN NEW 30 TON BOLLARDS WITH CONCRETE PEDESTALS, AND SHEAR PLATES AT THE EXPANSION JOINTS WILL BE INSTALLED AS INDICATED ON THE PROPOSED WORK SITE PLAN. THE EXISTING BENCH ON THE SOUTH SIDE OF THE PIER WILL BE MODIFIED AND RELOCATED TO ENABLE A HEAT TRACED WATER AND SEWER LINE TO RUN OUT TO THE NEW BERTH LOCATION. A NEW SEWER PUMP STATION AND WATER VAULT WILL BE LOCATED ADJACENT TO THE OCTAGON BUILDING. THE WATER WILL CONNECT INTO THE NEARBY CITY LINE. THE EXISTING BERTH ON THE SOUTH SIDE WILL ALSO BE DREDGED TO ENABLE USCGC EAGLE TO BE BERTHED FURTHER INSHORE. THE DREDGED MATERIAL WILL BE DISPOSED OF AT AN UPLAND DISPOSAL FACILITY. BASED ON INITIAL SAMPLES THE AMENDED SAMPLES SHOULD BE ABLE TO BE USED FOR BENEFICIAL REUSE AT A NEARBY SITE IN CONNECTICUT. ADDITIONAL SECURITY FEATURES WILL ALSO BE INSTALLED INCLUDING SECURITY BARRIERS, ADDITIONAL LIGHTING, CCTV CAMERAS, AND INTERNET.

ALTERNATE BID ITEMS

- 1. SEWER PIPE TO NCGM MANHOLE: FROM THE PUMP STATION THE SEWER FORCE MAIN WILL RUN TOWARDS THE UNDER CONSTRUCTION NATIONAL COAST GUARD MUSEUM (NCGM) BUILDING AND CONNECT INTO THE PROPOSED NCGM GRAVITY SEWER MANHOLE.
2. SEWER PIPE UNDER RAIL: FROM THE PUMP STATION THE SEWER FORCE MAIN WILL RUN TO A MANHOLE AND USE AN ABANDONED 24" SEWER PIPE TO RUN THE FORCE MAIN UNDER THE RAILS AND INTO THE CITY GRAVITY SYSTEM ON THE OTHER SIDE OF THE RAILS. THERE ARE CURRENTLY TWO OTHER FORCE MAINS IN THE PIPE THAT WOULD ALSO NEED TO REMAIN AS SEPARATE LINES.

SEE SHEET C-102 AND P-101 FOR ADDITIONAL INFORMATION.

COORDINATION

- 1. A CONTRACTOR IS WORKING ON THE NATIONAL COAST GUARD MUSEUM (NCGM) PROJECT ADJACENT TO THIS PROJECT SITE.
2. AFTER AWARD THE CONTRACTOR SHALL REQUEST A MEETING WITH NCGM CONTRACTOR VIA THE CONTRACTING OFFICER.
3. CONTRACTOR WILL REVIEW PROGRESS, SCHEDULE, AND PROPOSED WORK AT NCGM AND PROVIDE A WORK PLAN AND SCHEDULE FOR ALL WORK THAT IS PROPOSED ON THE NCGM SITE.
4. LOCATION OF PUMP STATION AND WATER VAULT AND CONNECTING LINES WILL BE FULLY COORDINATED WITH NCGM CONTRACTOR.
5. AS PART OF THE NCGM CONSTRUCTION SECTIONS OF THE CONCRETE SLAB WILL BE OPENED UP TO ENABLE A WATER PIPE TO RUN UNDER THEM. THIS MAY PROVIDE AN OPPORTUNITY FOR THE ALTERNATE 1 FORCE MAIN TO RUN AT THE SAME TIME TO MINIMIZE CONSTRUCTION IMPACTS.
6. ALL WORK SHALL BE DONE TO MINIMIZE DISRUPTIONS TO BOTH PROJECT SITES.
7. CONTRACTOR WILL ALSO BE REQUIRED TO COORDINATE WITH AMTRACK BASED ON FINAL LOCATION OF FORCE MAIN. INITIAL WORK HAS BEGUN, COORDINATE WITH CONTRACTING OFFICER TO CONFIRM FINAL PERMITS AND PERMISSIONS.

DREDGING

- 1. THE CT DEEP AND USACE PERMITS ALLOW FOR UPLAND DISPOSAL OF THE DREDGE MATERIAL.
2. PERMITS AND VIBRACORE PHYSICAL AND CHEMICAL SAMPLE TESTING AVAILABLE ON REQUEST.
3. THE FOLLOWING SEQUENCE FOR DISPOSAL WAS ASSUMED:
a. DREDGE MATERIAL INTO BARGE.
b. TAKE BARGE TO LOCAL WATER-BASED TRANSFER FACILITY.
c. OFF-LOAD BARGE.
d. FACILITY MIXES AND TESTS MATERIAL TO CONFIRM IT CAN BE USED FOR BENEFICIAL REUSE.
e. FACILITY TRANSPORT AND DISPOSED OF MATERIAL AT BENEFICIAL REUSE LOCATION.
4. THE ABOVE SEQUENCE IS PROVIDED AS REFERENCE ONLY. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR REMOVING AND DISPOSING OF THE MATERIAL LEGALLY AND WITHIN THE CONFINES OF THE PROJECT PERMITS.

GENERAL NOTES:

- 1. CONTRACTORS ACTIVITIES SHALL NOT BLOCK FIRE LANES ON ANY OF THE FACILITIES DURING CONSTRUCTION.
2. ACCESS TO THE FLOATING DOCKS SHALL REMAIN AVAILABLE 100% OF THE TIME. WRITTEN PERMISSION FROM THE CONTRACTING OFFICER IS NEEDED PRIOR TO ANY RESTRICTIONS.
3. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING OR BARRIERS SURROUNDING THE WORK SITE TO PRECLUDE SAFETY HAZARDS AS NECESSARY. CONTRACTOR SHALL PROVIDE FLASHING LIGHTS ALONG TEMPORARY FENCE OR BARRICADE AT NIGHT.
4. THE CONTRACTOR'S WORKERS SHALL KEEP WITHIN LIMITS OF THE WORK AREA AND SHALL NOT ENTER ANY RESTRICTED AREAS UNLESS REQUIRED TO DO SO AND ARE CLEARED FOR SUCH ENTRY.
5. NO SMOKING IS ALLOWED EXCEPT IN DESIGNATED SMOKING AREAS.
6. THE CONTRACTOR SHALL PROVIDE FALL PROTECTION FOR WORKERS WORKING BESIDE PIER. ALSO WORKERS SHALL WEAR LIFE JACKETS. SCAFFOLDING SHALL BE PROVIDED AS NECESSARY, AND A SCAFFOLDING PLAN SHALL BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
7. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH CONDITIONS AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY SAFE GUARDS TO MAINTAIN ALL PARTS OF THE EXISTING PIER STRUCTURE IN SAFE CONDITION AT ALL TIMES DURING THE PROCESS OF CONSTRUCTION AND TO PROTECT THE GOVERNMENT/CITY PROPERTY FROM DAMAGE.
8. THE CONTRACTOR SHALL HAVE ACCESS TO A LAY DOWN AREA UP TO 1000 SF. THE LOCATION WILL BE DETERMINED ON SITE AND WILL NEED TO ACCOMMODATE CONSTRUCTION AT THE COAST GUARD MUSEUM.
9. THE CONTRACTOR SHALL HAVE ACCESS TO AN ADDITIONAL 100 SQFT. AREA ON SITE TO TEMPORARILY STORE MATERIALS. THIS AREA WILL NEED TO BE DETERMINED BASED ON CITY AND USCG OPERATIONS AND CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR WILL BE LIMITED TO PARKING TWO VEHICLES ON SITE.
11. ON SITE WORK HOURS SHALL BE BETWEEN 06:30 AND 16:00 HOURS, MONDAY THROUGH FRIDAY.
12. THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION SURVEY TO VERIFY ALL DIMENSIONS AND CONDITIONS PERTAINING TO THE WORK. SHOULD ACTUAL FIELD DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER AND PRESENT THEM WITH AN ADJUSTED PLAN PRIOR TO PROCEEDING WITH THE WORK.
13. THE FACILITIES ARE EXPOSED TO SEVERE WEATHER CONDITIONS THAT WILL EFFECT THE WORK. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT THE WORK AND SHALL BE RESPONSIBLE FOR ANY LOSS OF TIME AND EQUIPMENT OR DAMAGE TO THE WORK AS A RESULT OF THE WEATHER.
14. UTILITIES ARE SHOWN ON THE PLAN FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL PROCEED WITH CAUTION DURING ALL EXCAVATION AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGED UTILITIES. THE CONTRACTOR SHALL COORDINATE ALL EXCAVATION PERMISSIONS WITH THE CONTRACTING OFFICER AND CITY OF NEW LONDON.
15. IF THE CONTRACTOR ENCOUNTERS UTILITIES THAT AFFECT THE WORK THAT ARE NOT SHOWN ON THE PLANS THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER PRIOR TO CONTINUING WITH THE WORK.
16. THE CONTRACTOR SHALL MAKE SURE ALL MEASURES LAID OUT IN THEIR APPROVED SPILL PREVENTION, CONTROL, AND RESPONSE (SPCR) PLAN ARE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION.
17. IF THE CONTRACTOR MUST DISTURB THE EXISTING SECURITY FENCE FOR REPAIRS, A TEMPORARY SECURITY FENCE SHALL BE ERECTED DURING THE REPAIR PROCESS AND SHALL REMAIN SECURE AT ALL TIMES. THE PERMANENT SECURITY FENCE SHALL BE REPLACED IN KIND AT THE CONCLUSION OF THE REPAIR PROCESS.
18. INFORMATION REGARDING EXISTING CONSTRUCTION AND CONDITIONS IS BASED ON FIELD INSPECTION AND IS INCLUDED TO ASSIST THE CONTRACTOR. THE CONTRACTING OFFICER ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY OR COMPLETENESS.
19. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER WHEN UNANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS ARE UNCOVERED DURING CONSTRUCTION OR DEMOLITION.
20. DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE FOR MOST NEARLY SIMILAR CONDITION AS DETERMINED BY THE CONTRACTING OFFICER.
21. THE CONTRACTOR SHALL SHORE, BRACE, OR OTHERWISE SUPPORT THE STRUCTURE AND EXCAVATIONS AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY AT ALL TIMES.
22. CONTRACTOR SHALL BE AWARE OF TIDAL LEVELS AND TAKE PRECAUTIONS AND PREPARE WORK PLANS AS NECESSARY TO PREVENT DAMAGE TO ON GOING WORK DUE TO TIDES AND STORM EVENTS.

DEMOLITION NOTES:

- 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE MATERIALS AND DEMOLISHED MATERIALS NOT BEING REUSED OFF SITE AT AN APPROVED FACILITY.
2. CONTRACTOR SHALL NOT ALLOW ANY WASTE MATERIALS TO ENTER THE WATER. CONTRACTOR SHALL TAKE MEASURES TO COLLECT ALL DEMOLISHED WASTE.
3. CONTRACTOR SHALL INSTALL A DEBRIS BOOM AROUND ALL WORK AREAS OVER THE WATER. ALL DEBRIS COLLECTED IN THE BOOM SHALL BE REMOVED DAILY.
4. CONTRACTOR SHALL NOT UTILIZE GOVERNMENT FUEL BOOM FOR DEBRIS CONTAINMENT.
5. CONTRACTOR SHALL COLLECT AND REMOVE ALL DEMOLITION DEBRIS AND WASTE MATERIALS THAT ENTER THE WATER AND LAY ON THE BOTTOM.
6. CONTRACTOR TO ASSUME THAT ALL CONCRETE CONTAINS REINFORCING STEEL.
7. AS-BUILT DRAWINGS ARE AVAILABLE ON REQUEST.
8. CONTRACTOR SHALL INCORPORATE EROSION CONTROL MEASURES AROUND ANY UPLAND WORK.

STRUCTURAL NOTES:

CODES AND STANDARDS

- 1. CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CONNECTICUT UNIFORM BUILDING CODE WITH LATEST AMENDMENTS.
2. ALL STRUCTURAL CONCRETE SHALL CONFORM TO THE LATEST ACI 318 BUILDING CODE.
3. ALL STEEL FABRICATION AND CONSTRUCTION SHALL CONFORM TO THE LATEST AISC STEEL CONSTRUCTION MANUAL SPECIFICATIONS AND CODE
4. ALL STRUCTURAL STEEL WELDING SHALL COMPLY WITH AWS D1.1 / D1.1M.
5. ALL REINFORCING STEEL WELDING SHALL COMPLY WITH AWS D1.4.

CAST IN PLACE CONCRETE

- A. THE MINIMUM 28-DAY COMPRESSIVE STRENGTH FOR CAST-IN-PLACE CONCRETE SHALL BE 5000 PSI.
B. THE MAXIMUM WATER TO CEMENT RATIO FOR CONCRETE SHALL BE 0.40.
C. CONCRETE SHALL CONTAIN A MINIMUM OF 3 GAL/YD3 OF CALCIUM NITRITE SOLUTION OR EQUIVALENT CORROSION INHIBITOR.
D. CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED UNDER THE SUPERVISION OF A TESTING AGENCY APPROVED BY THE CONTRACTING OFFICER.
E. CONCRETE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 3/4 INCH.
F. ALL CONCRETE SHALL HAVE 6% TO 8% ENTRAINED AIR.
G. CONCRETE SHALL BE WET CURED FOR A MINIMUM OF SEVEN DAYS BEFORE ANY LOADS ARE APPLIED THERETO.
H. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1 INCH CHAMFER.

REINFORCEMENT

- 1. REINFORCING STEEL SHALL BE DEFORMED, EPOXY COATED BARS CONFORMING TO ASTM A 615, GRADE 60. EPOXY COATING SHALL CONFORM TO ASTM A775/A775M.
2. MINIMUM LAP OF REINFORCING BARS SHALL BE AS SHOWN BELOW:
BAR SIZE LAP
#4 21 INCH
#6 34 INCH
#8 72 INCH
3. MINIMUM COVER OVER REINFORCING SHALL BE 3 INCHES UNLESS NOTED OTHERWISE.
4. INSTALLATION OF REINFORCING SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO CONCRETE PLACEMENT TO ALLOW FOR INSPECTION BY THE CONTRACTING OFFICER.
5. PROVIDE AND SCHEDULE ON THE SHOP DRAWINGS THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN PLACE. ALL ACCESSORIES LOCATED IN COVER CONCRETE SHALL BE NON CORROSIVE.
6. WHERE CONTINUOUS REINFORCING IS CALLED FOR IT SHALL BE EXTENDED CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS.
7. REINFORCEMENT SHALL NOT BE TACK WELDED. MISCELLANEOUS STEEL FABRICATION
8. STEEL GRADES FOR FABRICATION SHALL BE:
PLATES: ASTM A36 - GALVANIZED UNLESS OTHERWISE NOTED
BOLTS/THREADED ROD: ASTM A307 HDG, ASTM 193 6R.B7 HDG
BOLLARD ANCHOR BOLTS: ASTM A490

WELDING

- 1. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS ONLY.
2. ALL WELDING ELECTRODES SHALL BE E70XX.

EPOXY ANCHORS

- 1. EPOXY ANCHORS SHALL BE ULTIMATE PERFORMANCE INJECTABLE EPOXY MORTAR WITH ICC-ES APPROVALS FOR HEAVY-DUTY ANCHORING.

EARTHWORK (UPLAND)

- 1. ALL BACKFILL SHALL BE COMPACTED TO 95% DENSITY BASED ON ASTM D-1557
2. ALL BACKFILL SHALL BE PLACED IN LIFTS SUCH THAT THE COMPACTED LIFT IS NO LESS THAN 4 INCHES AND NO MORE THAN 6 INCHES.
3. IF DEWATERING OF EXCAVATED MATERIAL IS DONE ON THE EXISTING STRUCTURE CONTRACTOR SHALL PROTECT THE EXISTING CONCRETE SURFACES WITH A MEMBRANE DESIGNED TO CONTAIN THE WATER.
4. CONTRACTOR SHALL SUBMIT AN EXCAVATION PLAN, DEWATERING PLAN (IF NEEDED), AND STORM WATER MANAGEMENT PLAN ACCORDING TO CONNECTICUT DEP BEST MANAGEMENT PRACTICES FOR APPROVAL PRIOR TO BEGINNING ANY EXCAVATION.
5. STOCK PILES SHALL NOT EXCEED THE LIVE LOAD CAPACITY OF THE SUPPORTING STRUCTURE. CONTRACTOR SHALL SUBMIT LOAD CALCULATIONS THAT DEMONSTRATE THE LOADS IMPOSED ARE WITHIN SAFE LIMITS.

SURVEY NOTES:

- 1. HORIZONTAL DATUM IS IN FEET AND IS THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, NAD83.
2. DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) BASED ON NOAA PRELIMINARY WATER LEVEL DATA AT NEW LONDON (STATION ID 8461490). DEPTHS WERE DEVELOPED FROM ONE FOOT BY ONE FOOT BINNED DATA WITH THE AVERAGE DEPTH WITHIN EACH BIN POSTED IN THE CENTER OF THE BIN.
3. THE UTILITIES SHOWN HEREON ARE LOCATED FROM THE BEST AVAILABLE EVIDENCE AND THE SURVEY DOES NOT GUARANTY THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES SERVICING THE PROPERTY.
4. SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL ORTHOPHOTO QUADRANGLES FLOWN IN 2019 AND OBTAINED FROM CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE (CT ECO).
5. PROJECT LOCATED ENTIRELY WITHIN FLOOD ZONE VE: 1% ANNUAL CHANCE FLOOD HAZARD, BASE FLOOD ELEVATION 14', FROM FEMA FIRM NO. 09011C0502J, EFFECTIVE DATE 08/05/2013, AND MARINE DEEP-WATER HABITAT (E1UBL).

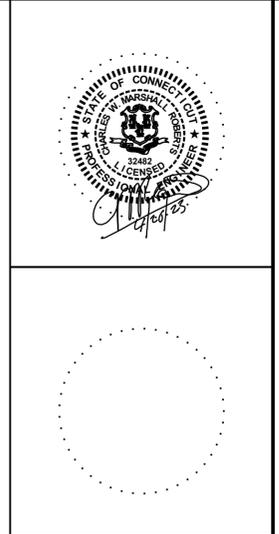


Table with columns: MARK, DESCRIPTION, DATE. Row 1: 100% FOR CONSTRUCTION, 04/26/23.

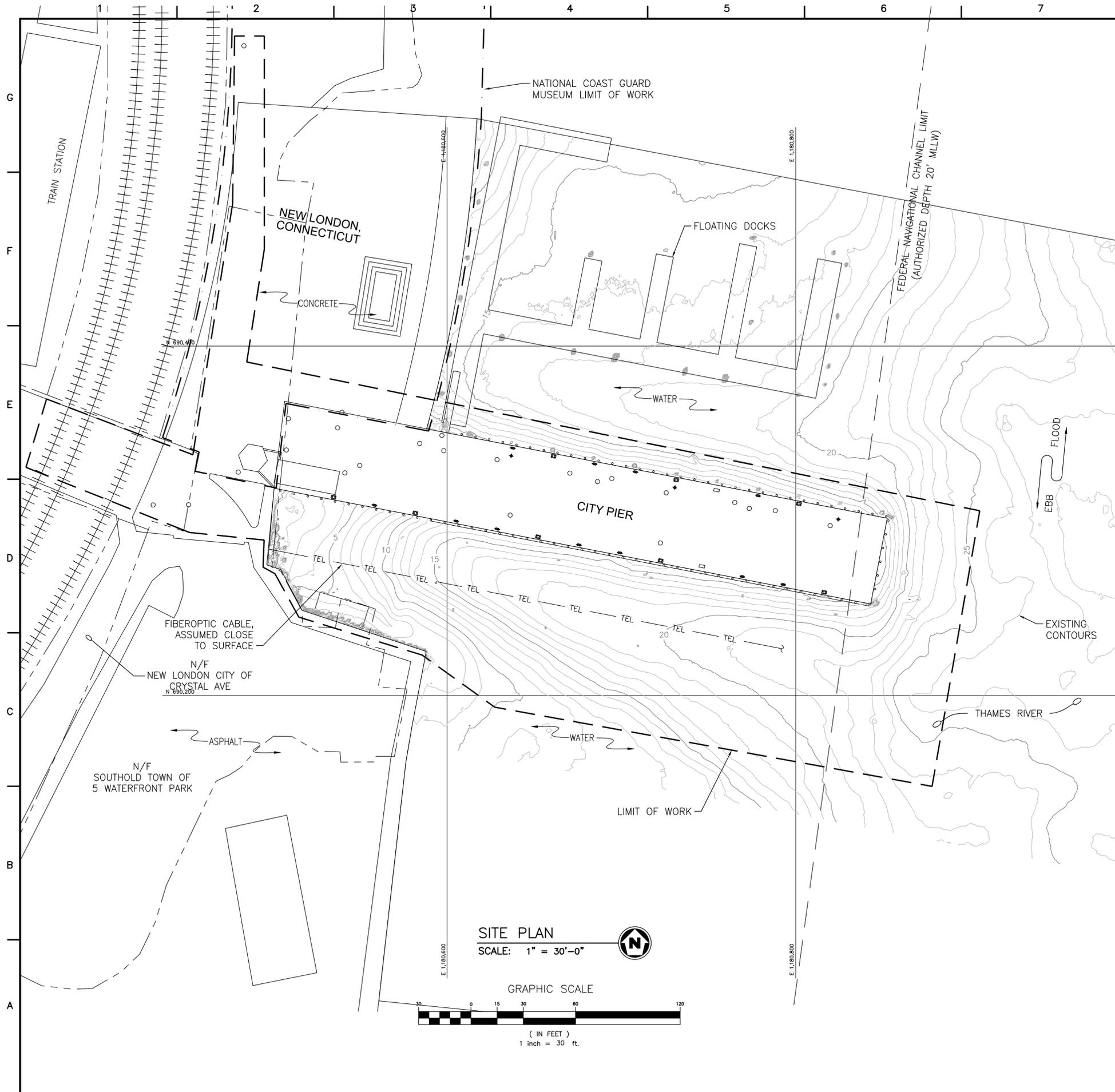
A/E COMPANY: A/E ENGINEERING CORPORATION, 475 KILVERT ST., SUITE 100, WARWICK, RI 02886. PROJECT NO.: 2953-21101. CONSULTING A/E: CHARLIE M. ROBERTS.

CIVIL ENGINEERING UNIT PROVIDENCE, 475 KILVERT ST., SUITE 100, WARWICK, RI 02886. PROJECT ENGINEER: CHARLIE M. ROBERTS. DESIGNED BY: LPL. DRAWN BY: TEC. CHECKED BY: CMR. EDITED BY: LPL.

USCG PROJECT NO: 16190401. USCG DRAWING NO: P16190401C101. USCG FILENAME: P16190401G-101.DWG. SHEET 02 OF 19.

NEW HOME PORT FOR USCG CUTTER EAGLE COAST GUARD MUSEUM-USCGC EAGLE CT NEW LONDON GENERAL NOTES

SHEET ID CITY PIER G-101



NOTES:

- HORIZONTAL DATUM IS IN FEET AND IS THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, NAD83.
- DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) BASED ON NOAA PRELIMINARY WATER LEVEL DATA AT NEW LONDON (STATION ID 8461490). DEPTHS WERE DEVELOPED FROM ONE FOOT BY ONE FOOT BINNED DATA WITH THE AVERAGE DEPTH WITHIN EACH BIN POSTED IN THE CENTER OF THE BIN.
- SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL ORTHOPHOTO QUADRANGLES FLOWN IN 2019 AND OBTAINED FROM CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE (CT ECO).
- THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A MULTIBEAM SURVEY PERFORMED BY OCEAN SURVEYS, INC. ON 17 SEPTEMBER 2021 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.
- PROJECT LOCATED ENTIRELY WITHIN FLOOD ZONE VE: 1% ANNUAL CHANCE FLOOD HAZARD, BASE FLOOD ELEVATION 14', FROM FEMA FIRM NO. 09011C0502J, EFFECTIVE DATE 08/05/2013, AND MARINE DEEPWATER HABITAT (E1UBL).
- CONTRACTOR TO COORDINATE LAY DOWN AREA WITH CITY PIER, USCGC EAGLE, AND NCGM CONTRACTOR.

DATUM

MHW = 2.89'

MLW = 0.35'

MLLW = 0.00'

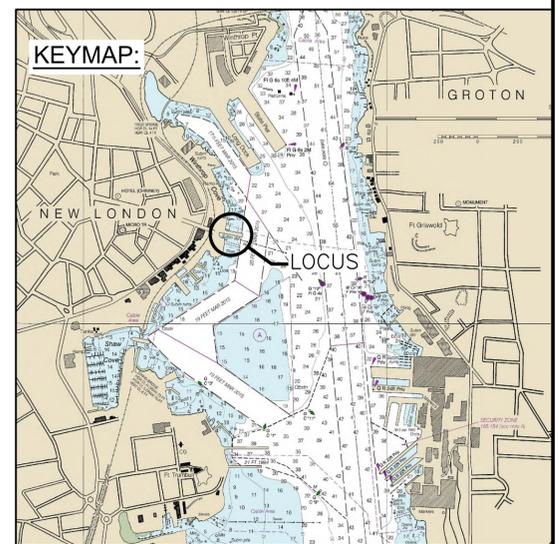


DATE	04/26/23
MARK DESCRIPTION	100% FOR CONSTRUCTION
SCALE	AS SHOWN
PLOTTING SCALE	1:1

A/E COMPANY:
OSI ENGINEERING CORPORATION
1000 BELLEVILLE AVE
WILMINGTON, MA 01897
TEL: (508) 966-9092
A/E PROJECT NO.:
2953-21.01
CONSULTING A/E:

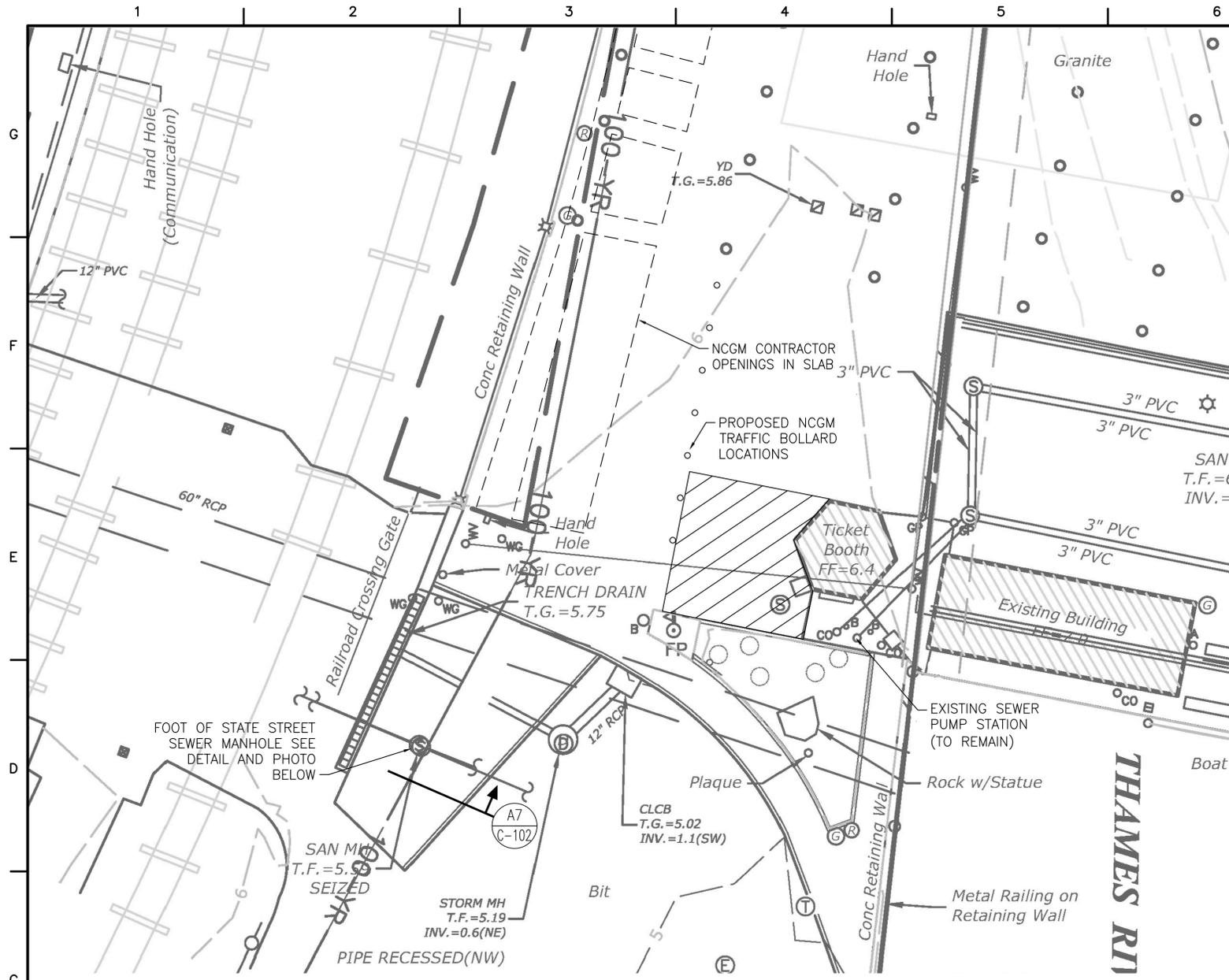
CIVIL ENGINEERING UNIT PROVIDENCE
475 KILVERT ST., SUITE 100
WARWICK, RI 02886
PROJECT ENGINEER:
CHARLIE M. ROBERTS
DESIGNED BY:
LPL
DRAWN BY:
TEQ
CHECKED BY:
CMR

USCGC PROJECT NO.
16190401
USCGC DRAWING NO.
P16190401C101
USCGC FILENAME
P16190401C-101.DWG
SHEET 03 OF 19

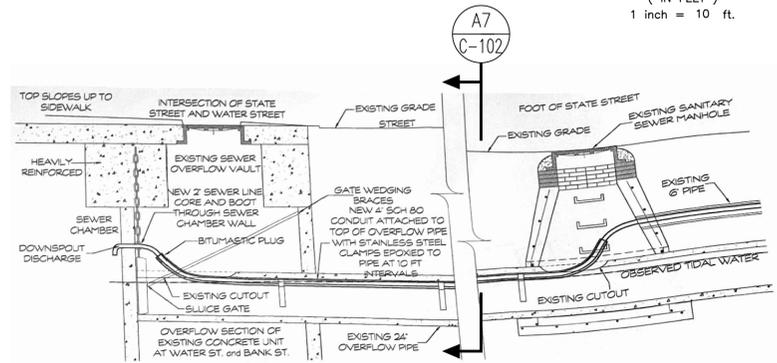
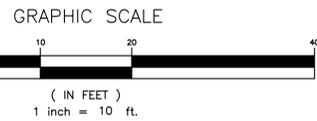


NEW HOME PORT FOR USCGC CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE
NEW LONDON
CT
CIVIL
SITE PLAN

SHEET ID
CITY PIER
C-101



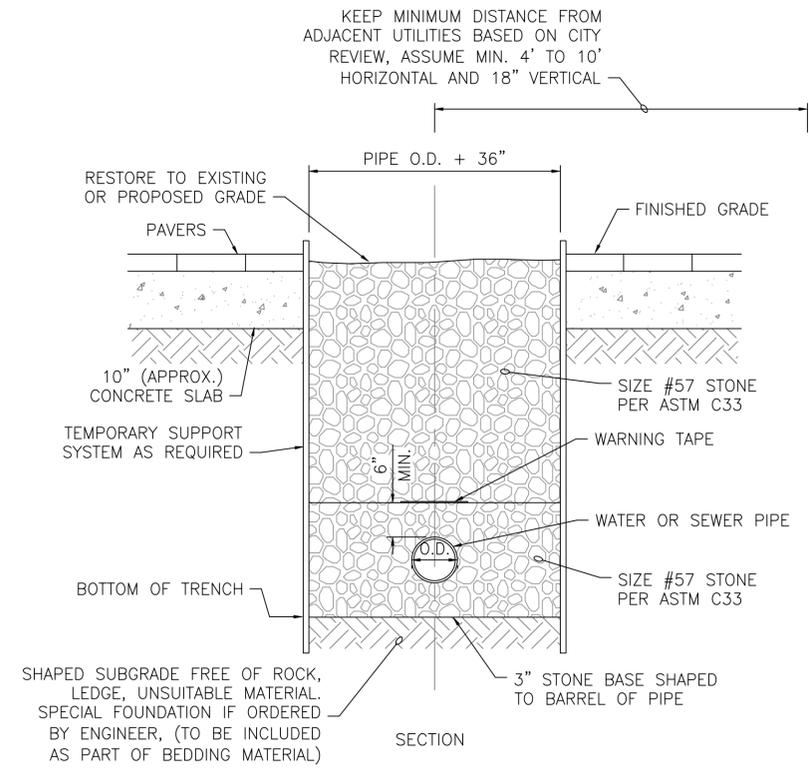
CIVIL PLAN
SCALE: 1" = 10'-0"



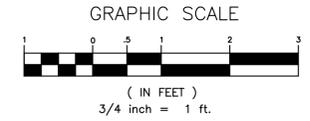
A2 SEWER LINE DETAIL
SCALE: NONE



A7 PHOTO
FOOT OF STATE STREET MANHOLE
LOOKING DOWN, WEST IS TOP OF IMAGE



E8 WATER OR SEWER PIPE TRENCH DETAIL
SCALE: 3/4" = 1'-0"



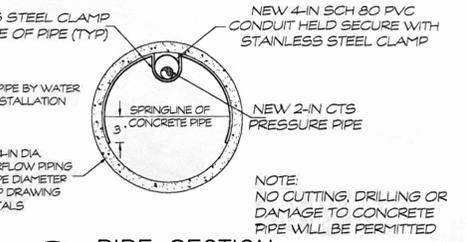
= REMOVE PAVERS, SAW CUT CONCRETE SLAB, AND EXCAVATE TO INSTALL NEW PUMP STATION AND WATER METER VAULT

- NOTES:**
- CONTRACTOR TO COORDINATE ALL CIVIL AND UTILITY WORK WITH NCGM CONTRACTOR.
 - CONTRACTOR TO CONDUCT UTILITY SURVEY PRIOR TO START OF WORK.
 - AREA OF EXCAVATION HAS A CONCRETE SLAB WITH PAVERS PLACED ON TOP.
 - AS PART OF NCGM WORK THE PAVERS ARE BEING REPLACED AND UTILITY AND TRAFFIC BOLLARD WORK IS BEING DONE IN THIS AREA.
 - EXISTING SEWER PUMP STATION AND PIPING FROM BATHROOMS AND MARINA TO REMAIN. CONTRACTOR MUST LOCATE PRIOR TO UTILITY WORK.
 - SEE SHEET G-101 FOR COORDINATION NOTES.

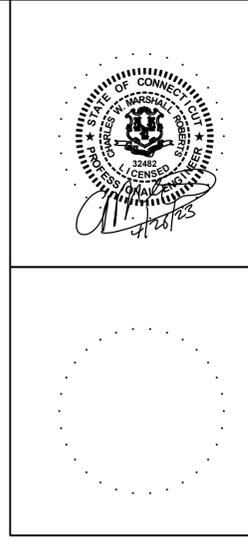
REFERENCES:

PLAN REFERENCED FROM DRAWING TITLED "NATIONAL COAST GUARD MUSEUM, EXISTING CONDITIONS PLAN" BY SLR INTERNATIONAL CORP., CHESHIRE, CT. DATED 12/02/2022.

DETAILS REFERENCED FROM DRAWING TITLED "SEWER PLAN FERRY TERMINAL EXPANSION NEW LONDON, CONNECTICUT" BY DOCKO, INC. MYSTIC, CT.



A7 PIPE SECTION
SCALE: NONE



U.S.C.G. CIVIL ENGINEERING

US COAST GUARD CIVIL ENGINEERING

DATE: 04/26/23

MARK DESCRIPTION: 100% FOR CONSTRUCTION

SCALE: AS SHOWN

PLOTTING SCALE: 1:1

A/E COMPANY: CIVIL ENGINEERING CORPORATION
1111 WASHINGTON ST., SUITE 100
WARWICK, RI 02886
(508) 966-9092

PROJECT NO.: 2953-21.01

CONSULTING A/E: LPL

CIVIL ENGINEERING UNIT PROVIDENCE: 475 KILVERT ST., SUITE 100
WARWICK, RI 02886

PROJECT ENGINEER: CHARLIE M. ROBERTS

DESIGNED BY: LPL

DRAWN BY: TEC

CHECKED BY: CMR

USCG PROJECT NO.: 16190401

USCG DRAWING NO.: P16190401C102

USCG FILENAME: P16190401C-102.DWG

SHEET 04 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE

COAST GUARD MUSEUM-USCGC EAGLE

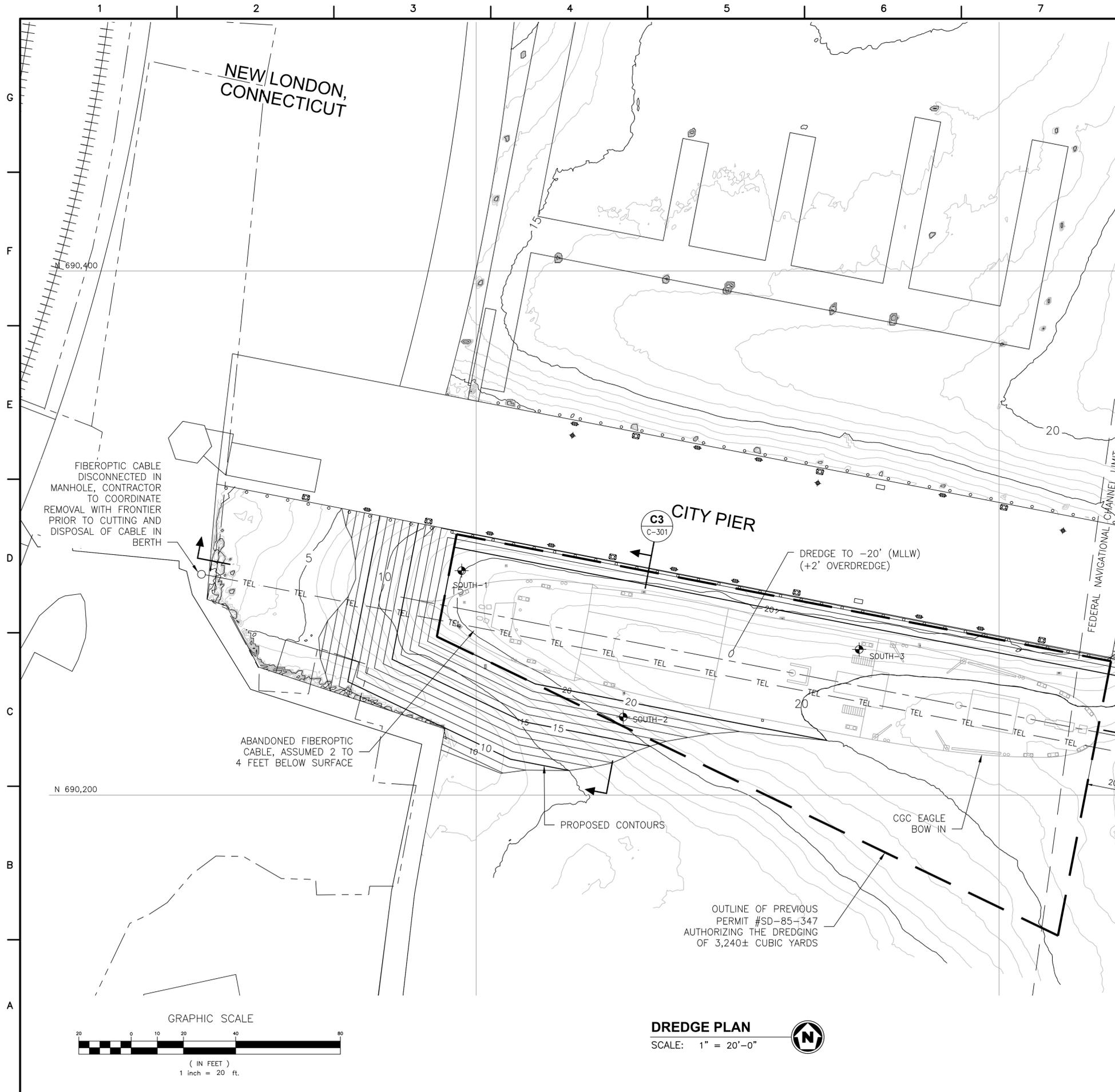
NEW LONDON CT

CIVIL PLAN

SHEET ID

CITY PIER

C-102



NOTES:

- HORIZONTAL DATUM IS IN FEET AND IS THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, NAD83.
- DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) BASED ON NOAA PRELIMINARY WATER LEVEL DATA AT NEW LONDON (STATION ID 8461490). DEPTHS WERE DEVELOPED FROM ONE FOOT BY ONE FOOT BINNED DATA WITH THE AVERAGE DEPTH WITHIN EACH BIN POSTED IN THE CENTER OF THE BIN.
- SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL ORTHOPHOTO QUADRANGLES FLOWN IN 2019 AND OBTAINED FROM CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE (CT ECO).
- THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A MULTIBEAM SURVEY PERFORMED BY OCEAN SURVEYS, INC. ON 17 SEPTEMBER 2021 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.
- THE CONTRACTOR WILL DREDGE TO THE DEPTH SHOWN AND DISPOSE OF THE MATERIAL AT AN APPROVED UPLAND SITE IN ACCORDANCE WITH THE PERMITS.
- PROJECT LOCATED ENTIRELY WITHIN FLOOD ZONE VE: 1% ANNUAL CHANCE FLOOD HAZARD, BASE FLOOD ELEVATION 14', FROM FEMA FIRM NO. 09011C0502J, EFFECTIVE DATE 08/05/2013, AND MARINE DEEPWATER HABITAT (E1UBL).
- PHYSICAL AND CHEMICAL TESTING RESULTS FROM VIBRACORE LOCATIONS AVAILABLE UPON REQUEST.
- NO DREDGING SHALL BE DONE BETWEEN FEBRUARY 1 THROUGH SEPTEMBER 30.

DATUM

MHW = 2.89'
 MLW = 0.35'
 MLLW = 0.00'

APPROXIMATE DREDGE VOLUMES
 TO EL. -20' = 1,825 CU YDS
 TO EL. -22' = 2,435 CU YDS

EXISTING CONTOURS
 ◆ = VIBRACORE SAMPLE LOCATION



DATE	04/26/23
MARK DESCRIPTION	100% FOR CONSTRUCTION
PLOTTING SCALE	1:1
SCALE	AS SHOWN

A/E COMPANY:
 OCEAN SURVEYS, INC.
 1000 WASHINGTON ST., SUITE 100
 WARWICK, RI 02886
 A/E PROJECT NO.:
 2953-21.01
 CONSULTING A/E:

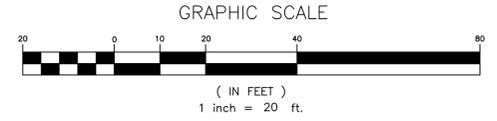
CIVIL ENGINEERING UNIT PROVIDENCE
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 DESIGNED BY:
 LPL
 DRAWN BY:
 TEC
 CHECKED BY:
 CMR

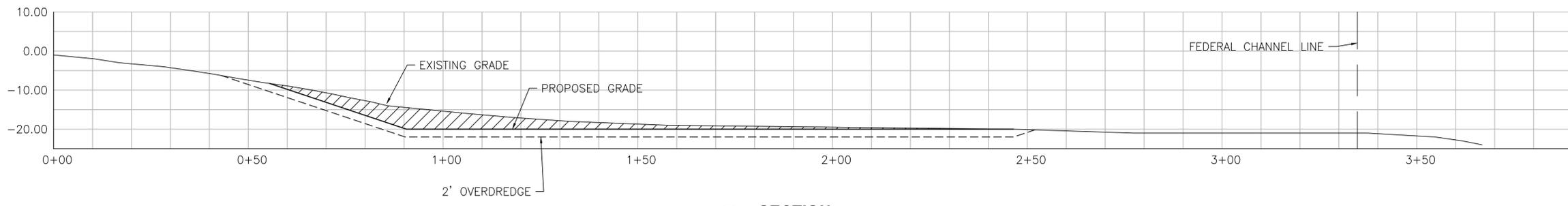
USCG PROJECT NO.
 16190401
 USCG DRAWING NO.
 P16190401C103
 USCG FILENAME
 P16190401C-103.DWG
 SHEET 05 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE
 NEW LONDON CT
 CIVIL
PROPOSED DREDGE PLAN

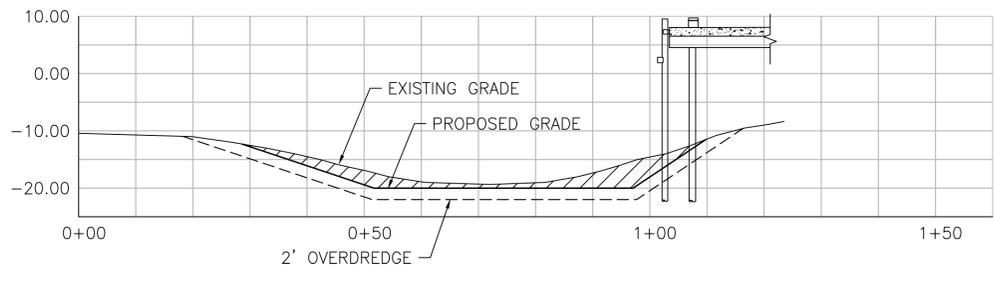
SHEET ID
 CITY PIER
C-103

DREDGE PLAN
 SCALE: 1" = 20'-0"



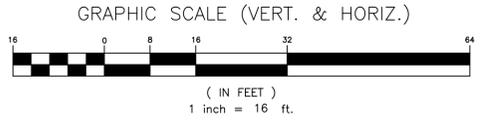


E5 SECTION
SCALE: 1/16" = 1'-0"



C3 SECTION
SCALE: 1/16" = 1'-0"

DATUM
MHW = 2.89'
MLW = 0.35'
MLLW = 0.00'



100% FOR CONSTRUCTION	04/26/23
MARK DESCRIPTION	DATE
PLOTING SCALE: 1"	
SCALE: AS SHOWN	

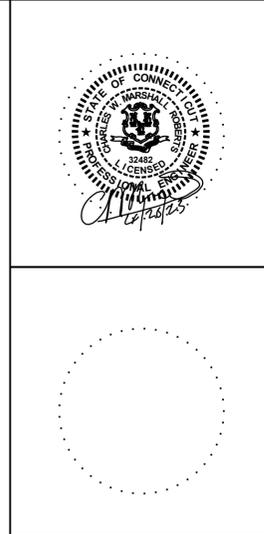
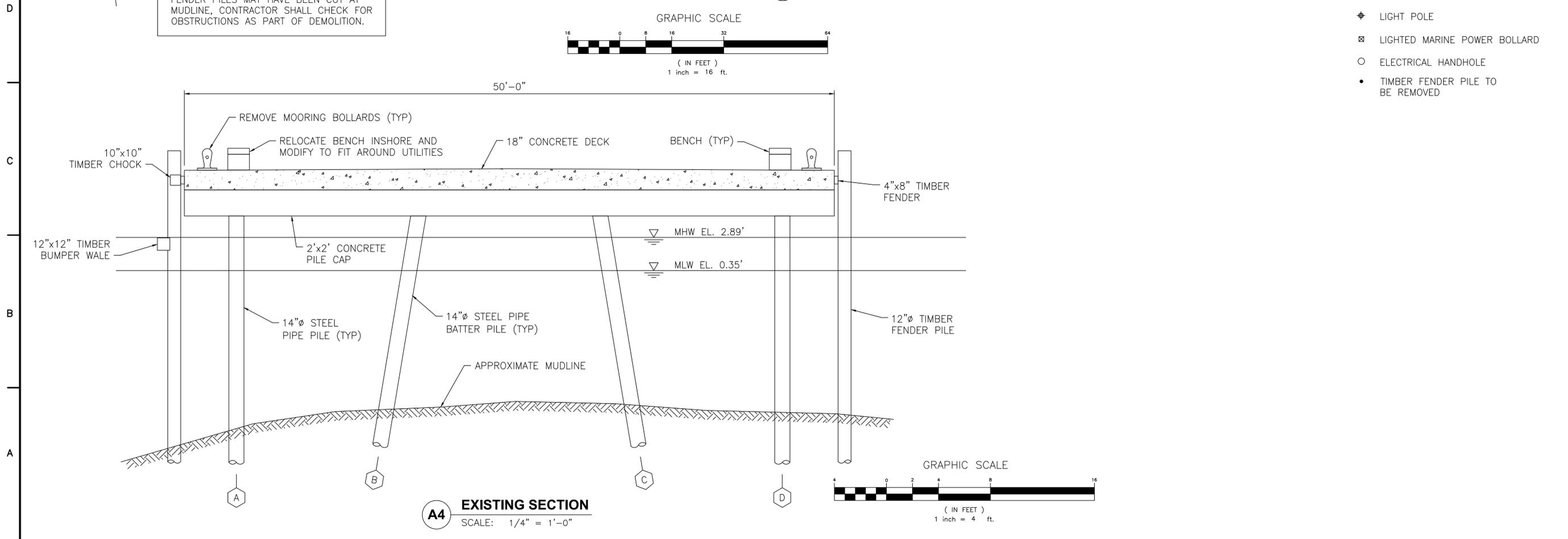
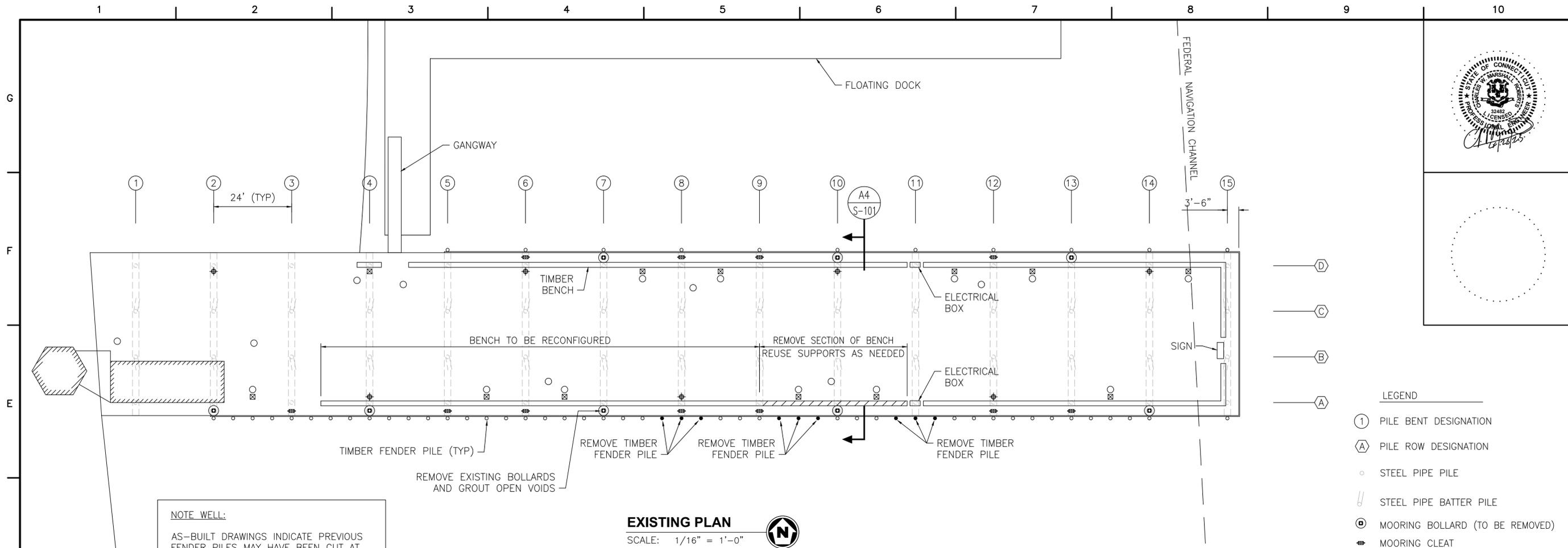
A/E COMPANY:
CIVIL ENGINEERING CORPORATION
1111 WASHINGTON ST., SUITE 100
BELLINGHAM, WA
(509) 866-9092
A/E PROJECT NO.:
2953-21.01
CONSULTING A/E:

CIVIL ENGINEERING UNIT PROVIDENCE
475 KILVERT ST., SUITE 100
WARWICK, RI 02886
PROJECT ENGINEER:
CHARLIE M. ROBERTS
DESIGNED BY:
LPL
DRAWN BY:
TEQ
CHECKED BY:
CMR

USCG PROJECT NO.
16190401
USCG DRAWING NO.
P16190401C301
USCG FILENAME
P16190401C-301.DWG
SHEET 06 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE CT
NEW LONDON
CIVIL
PROPOSED DREDGE SECTIONS

SHEET ID
CITY PIER
C-301



100% FOR CONSTRUCTION	04/26/23	DATE
MARK DESCRIPTION		SCALE: AS SHOWN
PLOTTING SCALE: 1:		

- LEGEND**
- ① PILE BENT DESIGNATION
 - Ⓐ PILE ROW DESIGNATION
 - STEEL PIPE PILE
 - ∥ STEEL PIPE BATTER PILE
 - ⊙ MOORING BOLLARD (TO BE REMOVED)
 - ⊕ MOORING CLEAT
 - ⊕ LIGHT POLE
 - ⊗ LIGHTED MARINE POWER BOLLARD
 - ELECTRICAL HANDHOLE
 - TIMBER FENDER PILE TO BE REMOVED

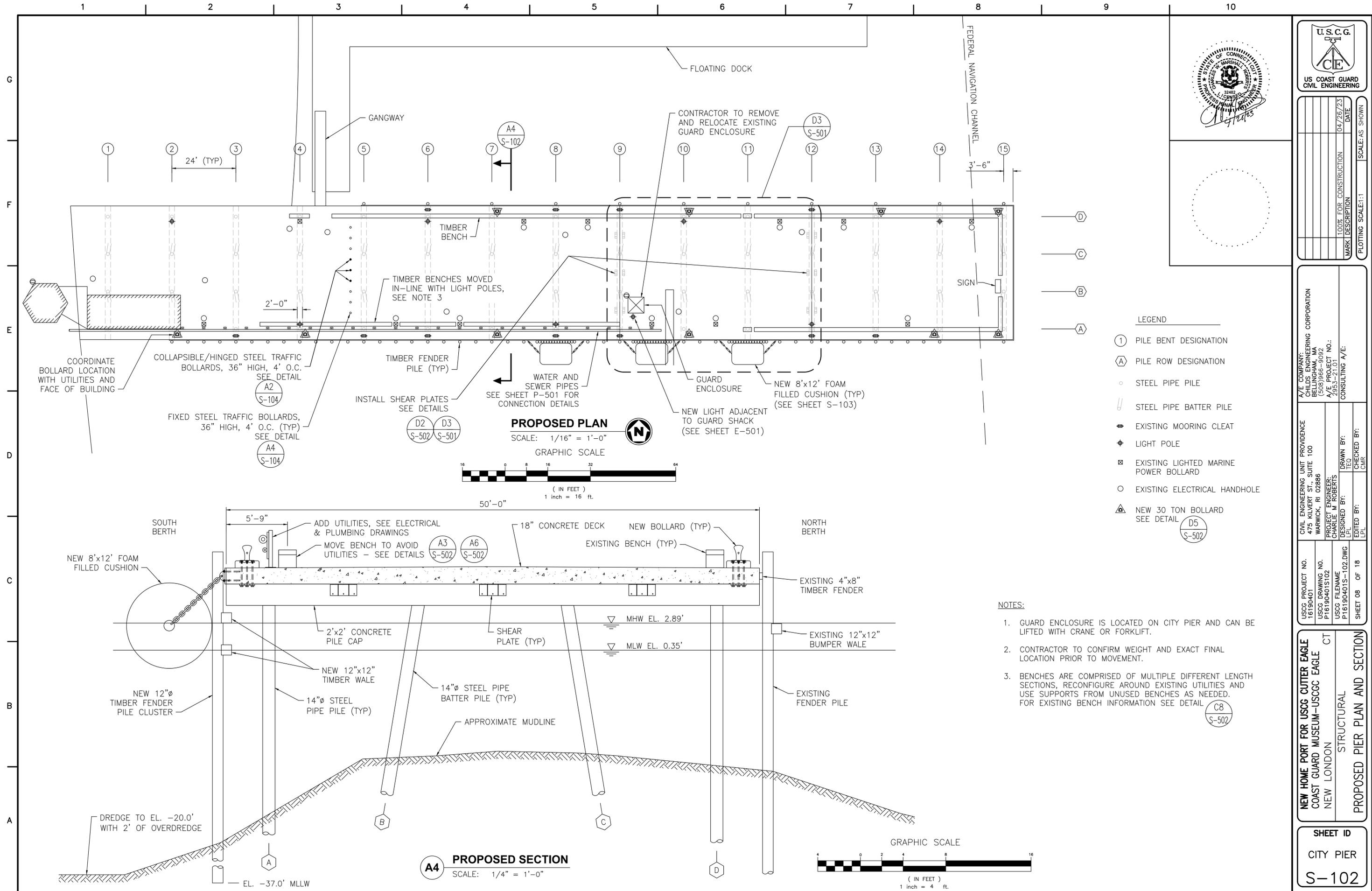
A/E COMPANY:
 CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 A/E PROJECT NO.:
 2953-211.01
 CONSULTING A/E:

DRAWN BY:
 LPL
 CHECKED BY:
 CMR

USCG PROJECT NO.
 16190401
 USCG DRAWING NO.
 P16190401S101
 USCG FILENAME
 P16190401S-101.DWG
 SHEET 07 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE
 NEW LONDON CT
 STRUCTURAL
 EXISTING/DEMOLITION PIER PLAN AND SECTION

SHEET ID
 CITY PIER
S-101



100% FOR CONSTRUCTION	DATE	SCALE: AS SHOWN
MARK DESCRIPTION	04/26/23	PLOTTING SCALE: 1:1

A/E COMPANY:
 CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 A/E PROJECT NO.:
 2953-21101
 CONSULTING A/E:

CIVIL ENGINEERING UNIT PROVIDENCE
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 DESIGNED BY:
 LPL
 DRAWN BY:
 TEC
 CHECKED BY:
 CMR

USCGC PROJECT NO.
 16190401
 USCGC DRAWING NO.
 P16190401S102
 USCGC FILENAME
 P16190401S-102.DWG
 SHEET 08 OF 18

NEW HOME PORT FOR USCGC CUTTER EAGLE
 COAST GUARD MUSEUM-USCGC EAGLE
 NEW LONDON
 CT
 STRUCTURAL
 PROPOSED PIER PLAN AND SECTION

SHEET ID
 CITY PIER
S-102

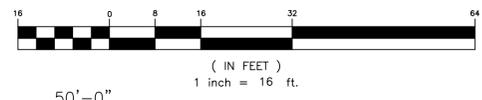
- LEGEND**
- ① PILE BENT DESIGNATION
 - Ⓐ PILE ROW DESIGNATION
 - STEEL PIPE PILE
 - ∥ STEEL PIPE BATTER PILE
 - ⊕ EXISTING MOORING CLEAT
 - ⊙ LIGHT POLE
 - ⊠ EXISTING LIGHTED MARINE POWER BOLLARD
 - EXISTING ELECTRICAL HANDHOLE
 - ⚠ NEW 30 TON BOLLARD SEE DETAIL (D5 S-502)

- NOTES:**
1. GUARD ENCLOSURE IS LOCATED ON CITY PIER AND CAN BE LIFTED WITH CRANE OR FORKLIFT.
 2. CONTRACTOR TO CONFIRM WEIGHT AND EXACT FINAL LOCATION PRIOR TO MOVEMENT.
 3. BENCHES ARE COMPRISED OF MULTIPLE DIFFERENT LENGTH SECTIONS, RECONFIGURE AROUND EXISTING UTILITIES AND USE SUPPORTS FROM UNUSED BENCHES AS NEEDED. FOR EXISTING BENCH INFORMATION SEE DETAIL (C8 S-502)

PROPOSED PLAN

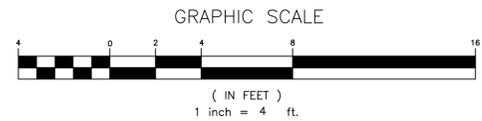
SCALE: 1/16" = 1'-0"

GRAPHIC SCALE



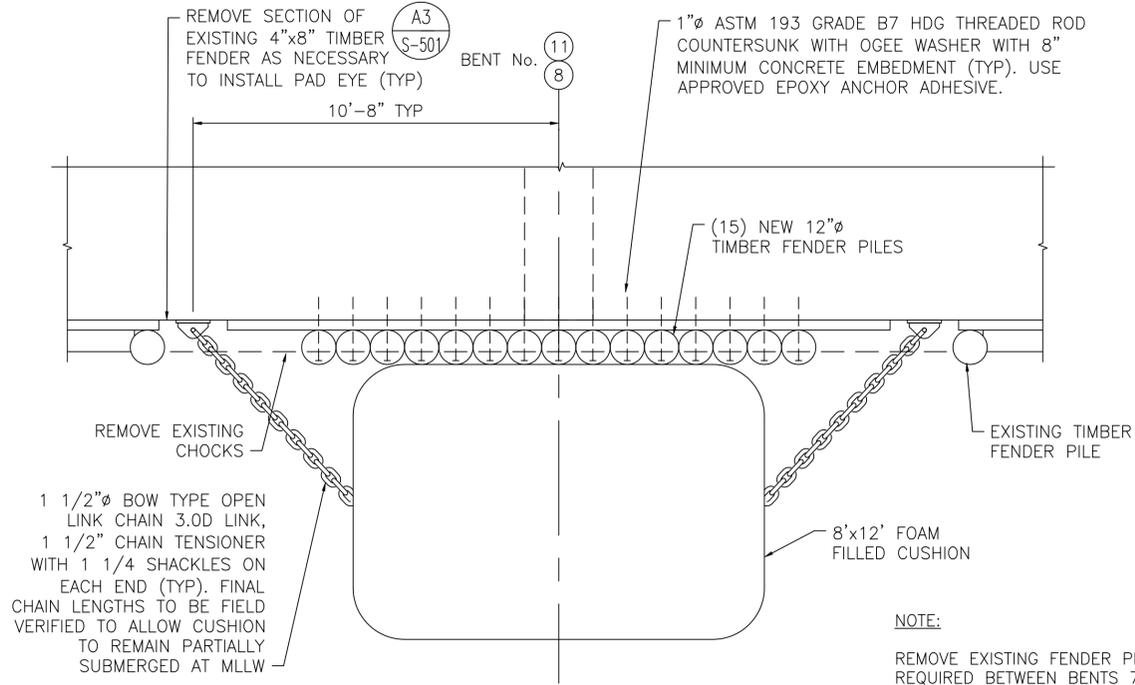
PROPOSED SECTION

SCALE: 1/4" = 1'-0"

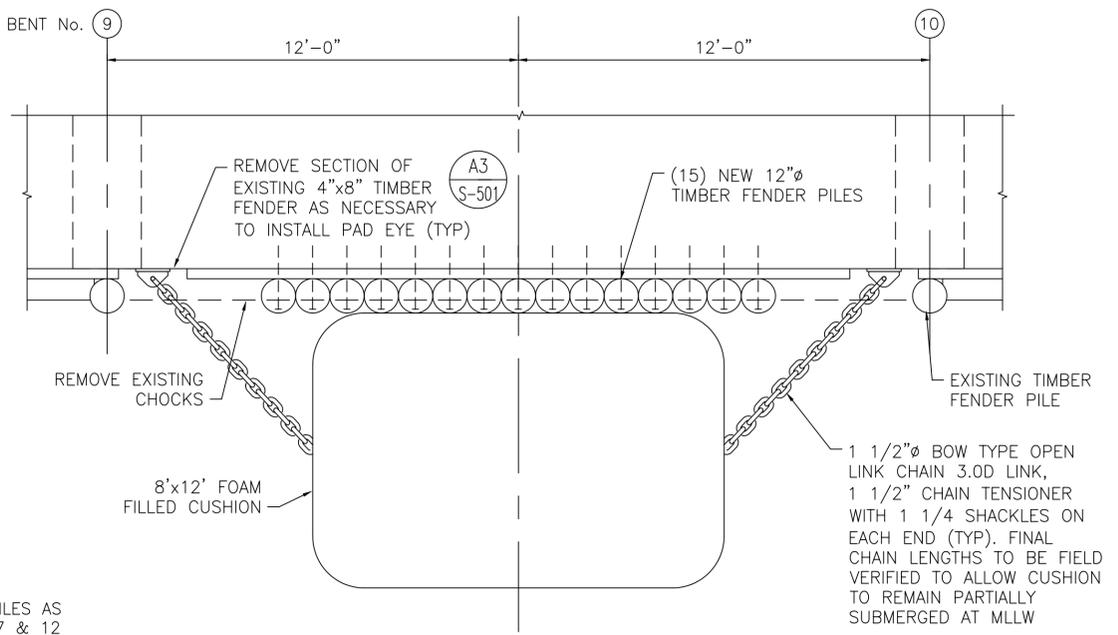


1 2 3 4 5 6 7 8 9 10

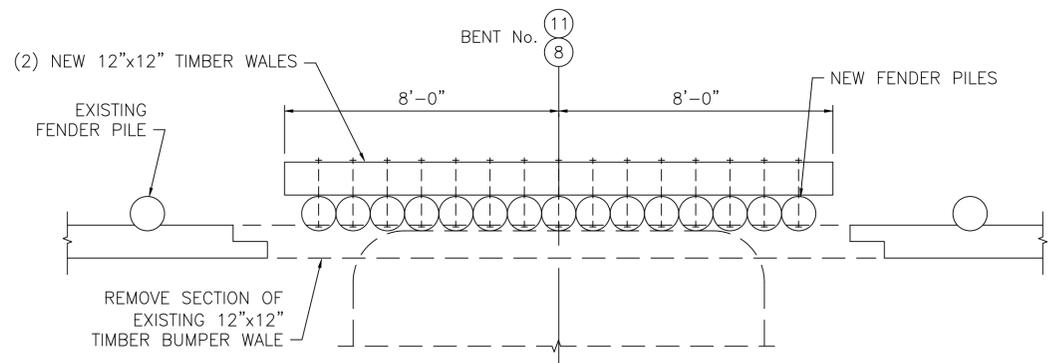
G
F
E
D
C
B
A



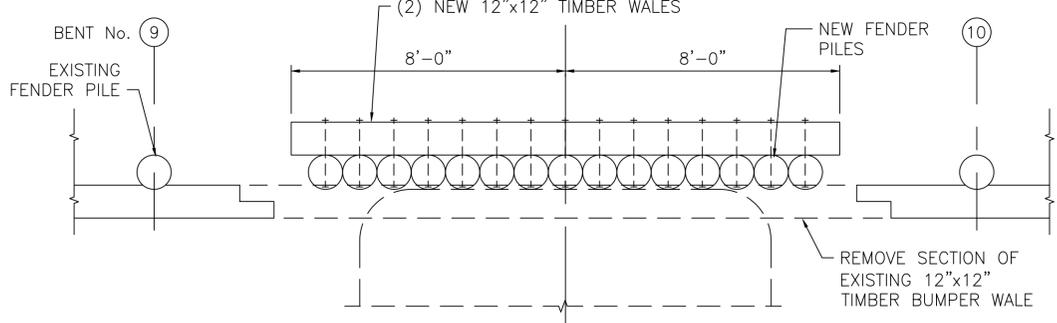
E3 BENTS 8 AND 11 PLAN @ DECK EL.
SCALE: 3/8" = 1'-0"



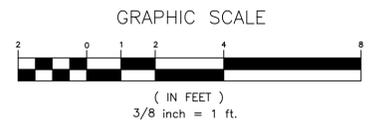
E7 BENTS 9-10 PLAN @ DECK EL.
SCALE: 3/8" = 1'-0"



C3 BENTS 8 AND 11 PLAN @ WALE BUMPER EL.
SCALE: 3/8" = 1'-0"



C7 BENTS 9-10 PLAN @ WALE BUMPER EL.
SCALE: 3/8" = 1'-0"



100% FOR CONSTRUCTION	DATE
MARK DESCRIPTION	04/26/23
100% FOR CONSTRUCTION	DATE
MARK DESCRIPTION	04/26/23

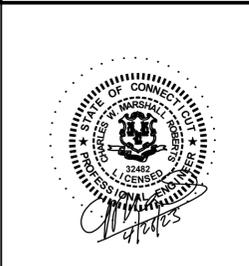
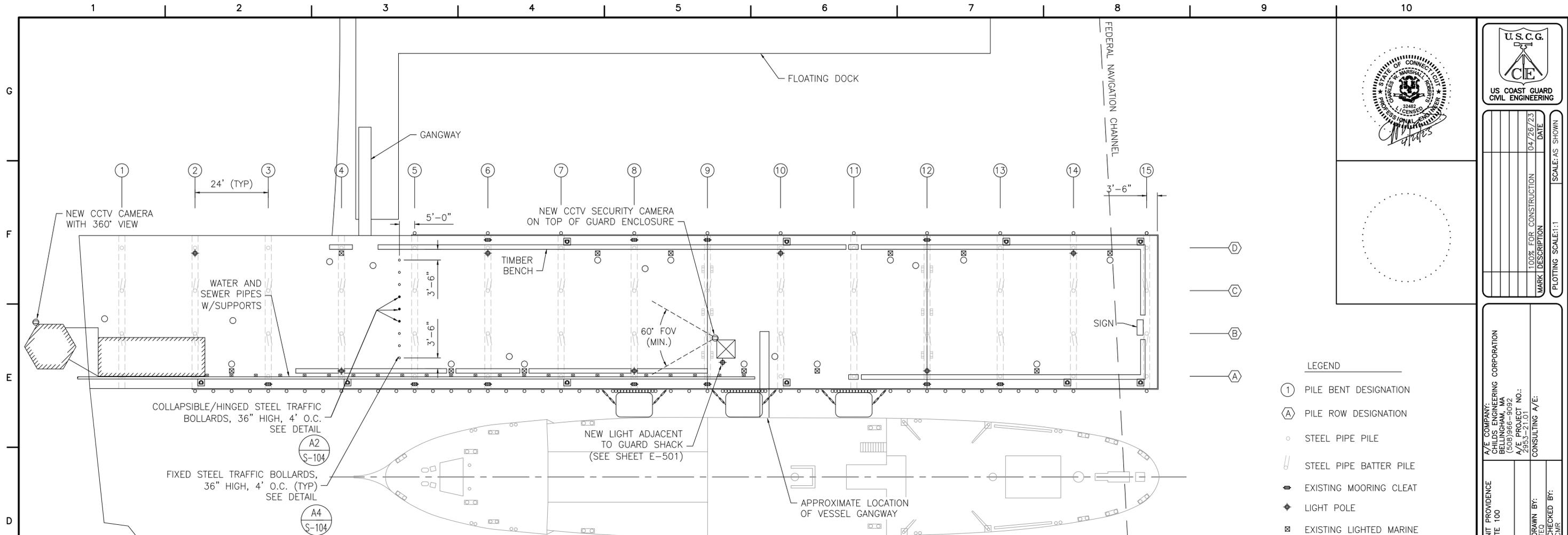
A/E COMPANY: CIVIL ENGINEERING CORPORATION
475 KILVERT ST., SUITE 100
WARWICK, RI 02886
PROJECT NO.: P16190401S103
A/E PROJECT NO.: 2953-21.01
CONSULTING A/E:

CIVIL ENGINEERING UNIT PROVIDENCE
475 KILVERT ST., SUITE 100
WARWICK, RI 02886
PROJECT ENGINEER: CHARLIE M. ROBERTS
DESIGNED BY: LPL
DRAWN BY: TEC
CHECKED BY: CMR

USCG PROJECT NO. 16190401
USCG DRAWING NO. P16190401S103
USCG FILENAME P16190401S-103.DWG
SHEET 09 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE CT
NEW LONDON
STRUCTURAL
FENDER CUSHION PLANS

SHEET ID
CITY PIER
S-103

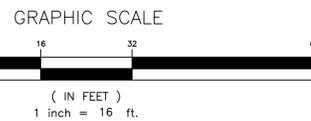


100% FOR CONSTRUCTION	04/26/23	DATE
MARK DESCRIPTION		SCALE: AS SHOWN
PLOTING SCALE: 1:1		

LEGEND

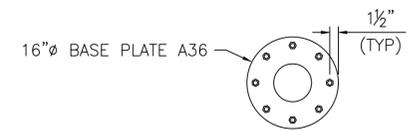
- ① PILE BENT DESIGNATION
- Ⓐ PILE ROW DESIGNATION
- STEEL PIPE PILE
- ∥ STEEL PIPE BATTER PILE
- ⊕ EXISTING MOORING CLEAT
- ⊕ LIGHT POLE
- ⊕ EXISTING LIGHTED MARINE POWER BOLLARD
- NEW 30 TON BOLLARD
- ⊕ NEW SECURITY CAMERA

PROPOSED PLAN
SCALE: 1/16" = 1'-0"



NOTES:

1. CONTRACTOR TO PROVIDE INDEPENDENT CCTV SYSTEM INCLUDING CAMERAS, STORAGE AND VIEWING DEVICES.
2. SYSTEM MUST BE SUITABLE FOR OUTDOOR MARINE ENVIRONMENT AND BE ABLE TO RECORD NIGHT TIME ACTIVITY WITH EXISTING AND UPGRADED LIGHTING.
3. CAMERAS TO BE POWERED AND HAVE HARDWIRE COMMUNICATIONS BACK TO GUARD ENCLOSURE.
4. GUARD ENCLOSURE TO HAVE VIDEO DISPLAY SHOWING BOTH CAMERAS CONCURRENTLY AND RECORDING DEVICE TO RECORD AND STORE 7 DAYS OF CONTINUOUS VIDEO.
5. CONTRACTOR TO PROVIDE WIRELESS MONITORING DEVICE TO ENABLE VIEWING FROM ONBOARD WHEN GUARD ENCLOSURE NOT MANNED.
6. THREE TRAFFIC BOLLARDS MUST BE ABLE TO BE LOWERED TO ENABLE ACCESS TO THE SITE AND BE LOCKABLE WHEN UPRIGHT.
7. METHOD FOR LOCKING BOLLARDS MUST BE PREAPPROVED BY CONTRACTING OFFICER.
8. CONTRACTOR TO AVOID DRILLING INTO EXISTING REINFORCING STEEL, SEE AS-BUILT DRAWINGS FOR MORE DETAILS.



A2 HINGED TRAFFIC BOLLARD DETAIL
SCALE: 3/4" = 1'-0"

A4 FIXED TRAFFIC BOLLARD DETAIL
SCALE: 3/4" = 1'-0"

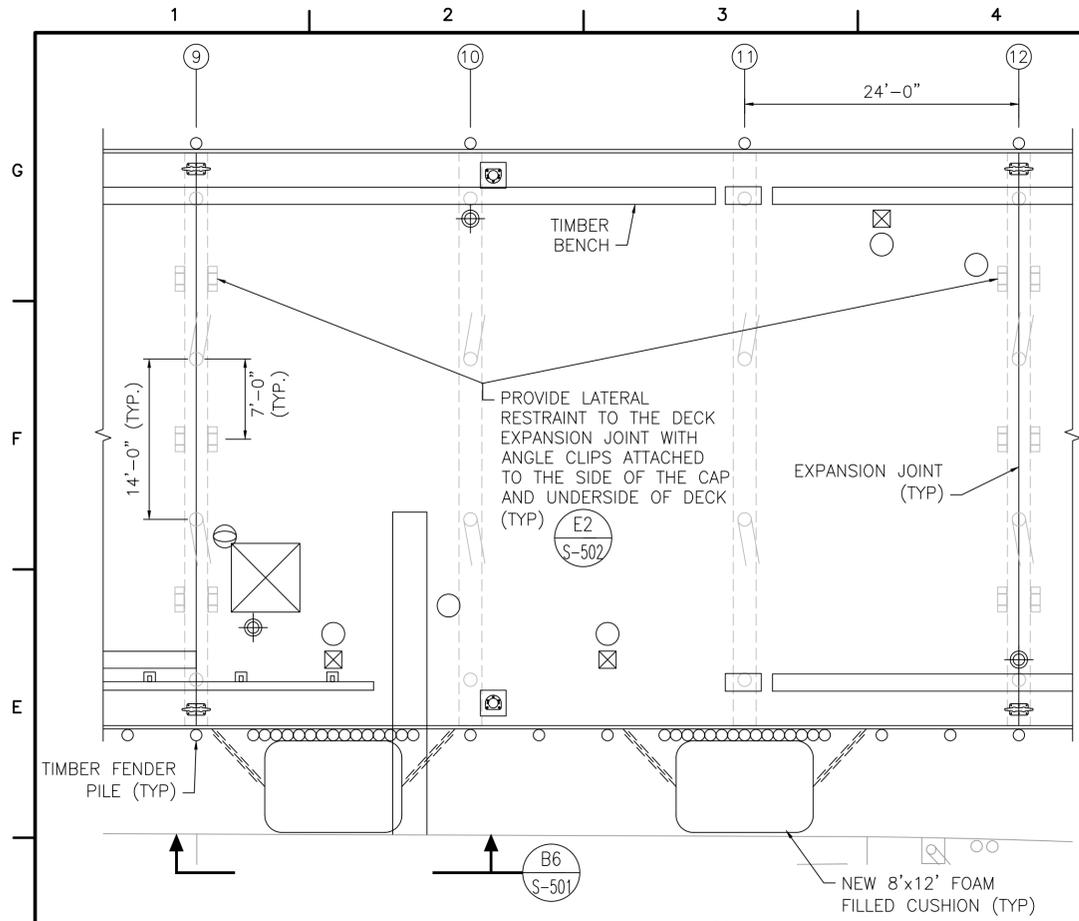
A/E COMPANY:
ENGINEERING CORPORATION
1000 BELLEVILLE AVE
WARWICK, RI 02886
(508) 966-9092
A/E PROJECT NO.:
2953-21.01
CONSULTING A/E:

CIVIL ENGINEERING UNIT PROVIDENCE
475 KILVERT ST., SUITE 100
WARWICK, RI 02886
PROJECT ENGINEER:
CHARLIE M. ROBERTS
DESIGNED BY:
LPL
DRAWN BY:
TEC
CHECKED BY:
LPL
CMR

USCG PROJECT NO.
16190401
USCG DRAWING NO.
P16190401S104
USCG FILENAME
P16190401S-104.DWG
SHEET 10 OF 19

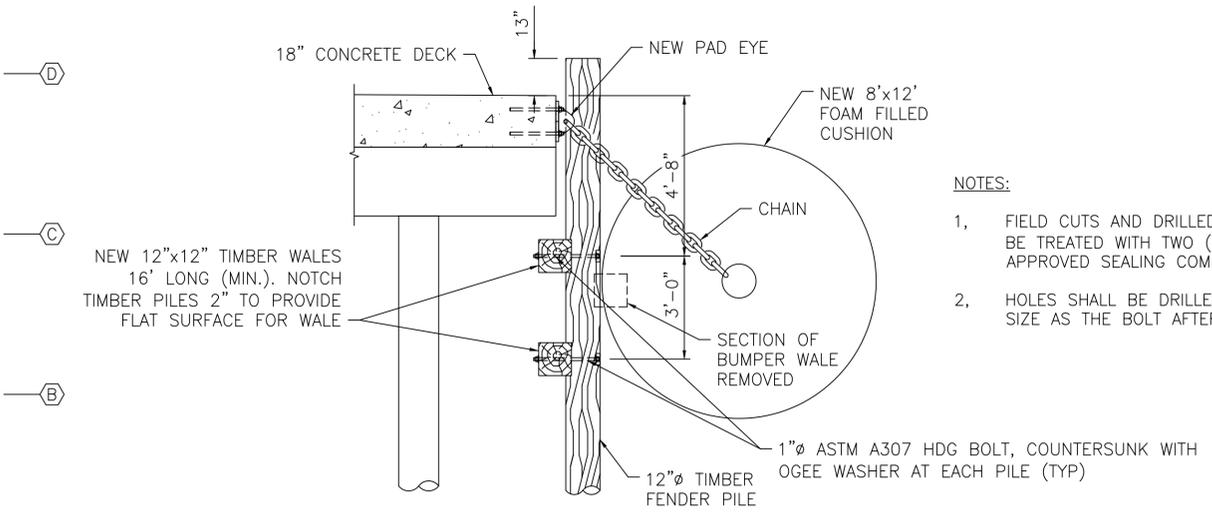
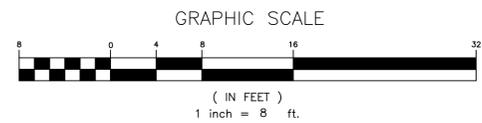
NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE
NEW LONDON
STRUCTURAL
FORCE PROTECTION PLAN

SHEET ID
CITY PIER
S-104



DETAIL PLAN

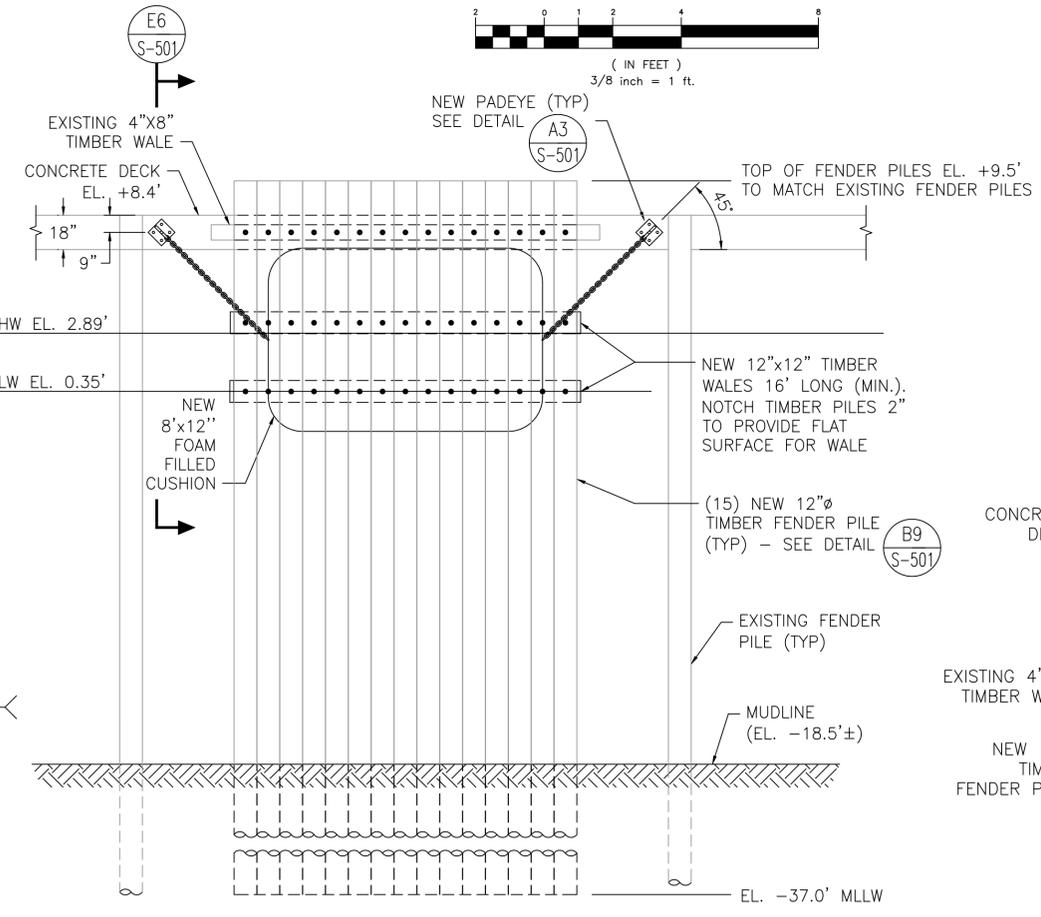
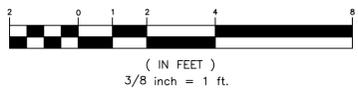
SCALE: 1/8" = 1'-0"



E6 SECTION

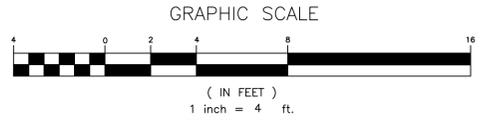
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE



B6 PROPOSED FENDER ELEVATION

SCALE: 1/4" = 1'-0"

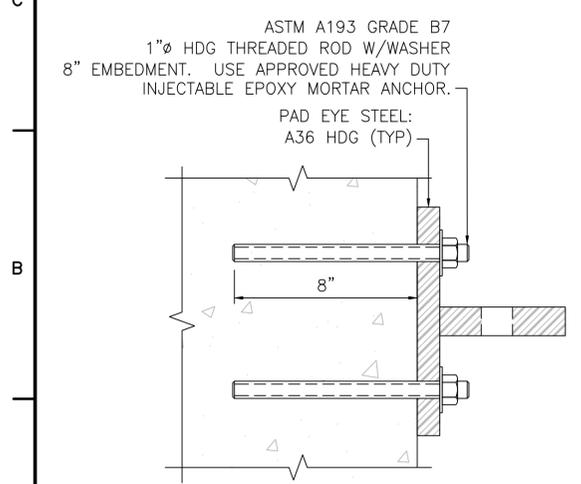


NOTES:

1. FIELD CUTS AND DRILLED HOLES SHALL BE TREATED WITH TWO (2) COATS OF APPROVED SEALING COMPOUND.
2. HOLES SHALL BE DRILLED TO THE SAME SIZE AS THE BOLT AFTER GALVANIZING.

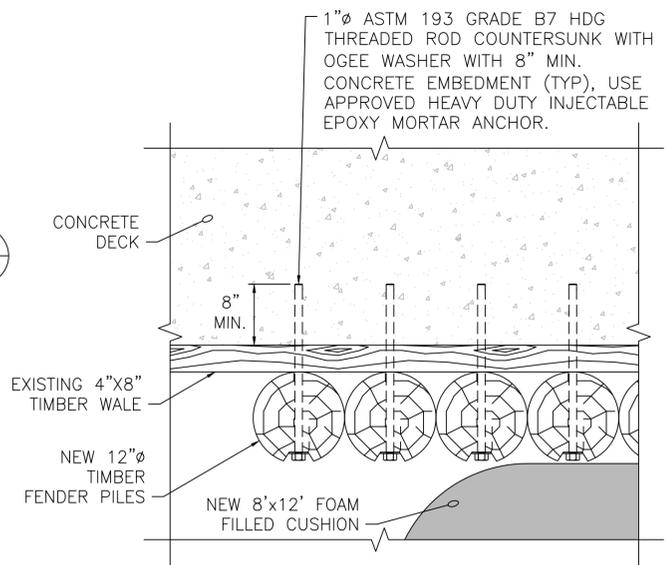
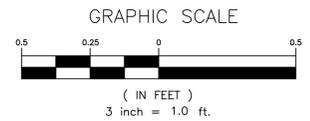
LEGEND

- ① PILE BENT DESIGNATION
- Ⓐ PILE ROW DESIGNATION
- STEEL PIPE PILE
- ⊖ STEEL PIPE BATTER PILE
- ⊕ EXISTING MOORING CLEAT
- ⊙ EXISTING LIGHT POLE
- ⊗ EXISTING LIGHTED MARINE POWER BOLLARD
- EXISTING ELECTRICAL HANDHOLE
- ⊙ NEW 30 TON BOLLARD



A3 PADEYE DETAIL

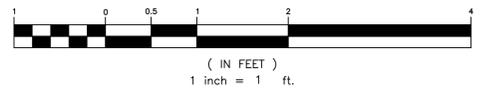
SCALE: 3" = 1'-0"



B9 FENDER PILE CONNECTION DETAIL

SCALE: 1" = 1'-0"

GRAPHIC SCALE



DATE	04/26/23
MARK DESCRIPTION	100% FOR CONSTRUCTION
SCALE	AS SHOWN

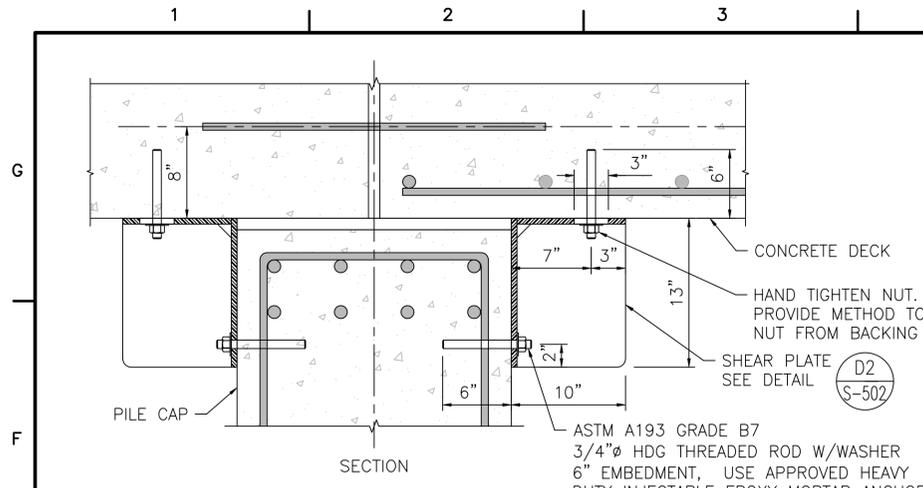
A/E COMPANY:
 CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT NO.:
 A/E PROJECT NO.:
 2953-21101
 CONSULTING A/E:

CIVIL ENGINEERING UNIT PROVIDENCE
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 DESIGNED BY:
 LPL
 DRAWN BY:
 TEC
 CHECKED BY:
 CMR

USCG PROJECT NO.
 16190401
 USCG DRAWING NO.
 P16190401S501
 USCG FILENAME
 P16190401S-501.DWG
 SHEET 11 OF 19

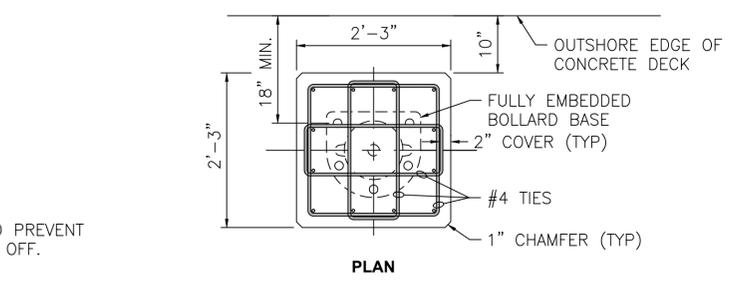
NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM-USCGC EAGLE
 NEW LONDON
 CT
 STRUCTURAL
 DETAILS

SHEET ID
 CITY PIER
S-501

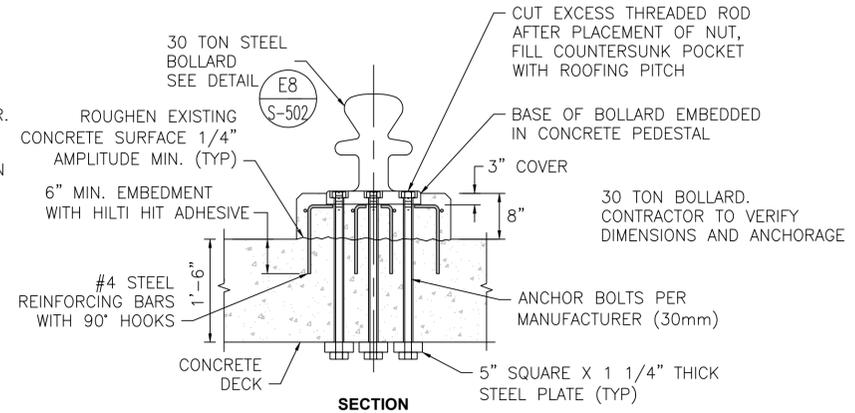


E2 SECTION AT SHEAR PLATE
SCALE: 1 1/2" = 1'-0"

NOTE: PLACE SHEAR PLATE ASSEMBLY ON BOTH SIDES OF PILE CAP.



PLAN

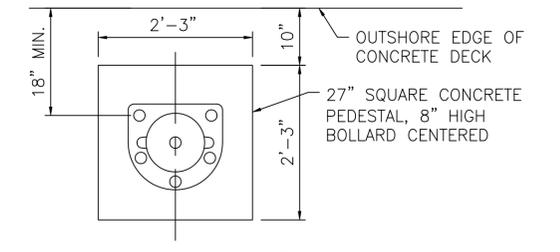
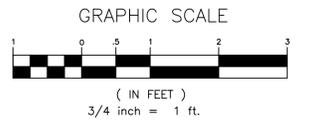


SECTION

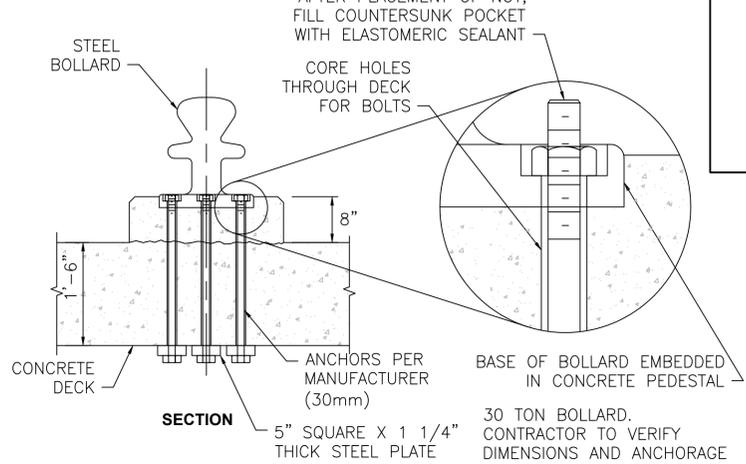
NOTES:

1. CONTRACTOR TO AVOID DRILLING INTO EXISTING REINFORCING STEEL, SEE AS-BUILT DRAWINGS FOR MORE DETAILS.
2. FINAL BOLLARD, ANCHOR, AND PEDESTAL CONFIGURATION DEPENDANT ON MANUFACTURER'S RECOMMENDATIONS.
3. PRODUCTS SHOWN FOR REFERENCE ONLY, ALL FINAL PRODUCTS AND METHODS WILL BE SUBJECT TO SUBMITTAL REVIEW AND CONTRACTING OFFICER ACCEPTANCE.
4. BOLLARD, UTILITY, AND BENCH LOCATIONS MUST BE FULLY COORDINATED PRIOR TO CONSTRUCTION.

D5 BOLLARD PEDESTAL DETAIL
SCALE: 3/4" = 1'-0"

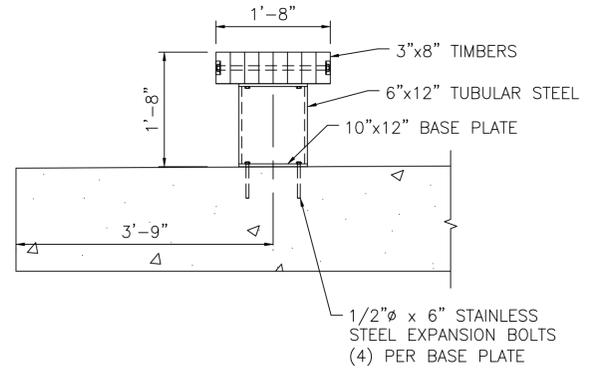


PLAN



SECTION

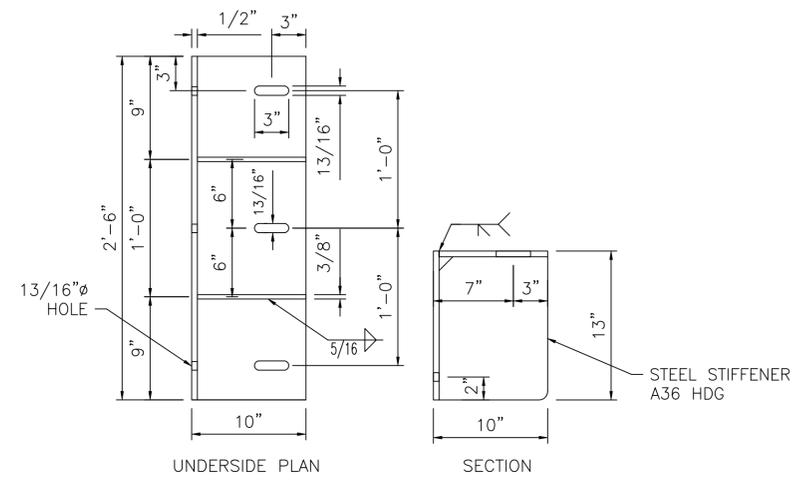
E8 BOLLARD INSTALLATION DETAIL
SCALE: 3/4" = 1'-0"



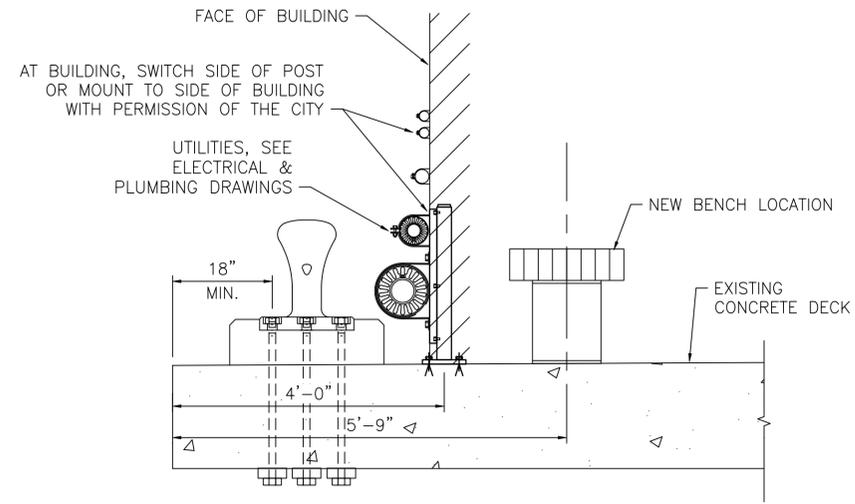
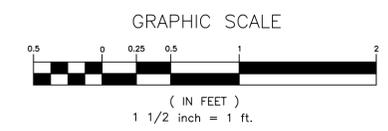
C8 SECTION AT EXISTING BENCH
SCALE: 3/4" = 1'-0"

NOTES:

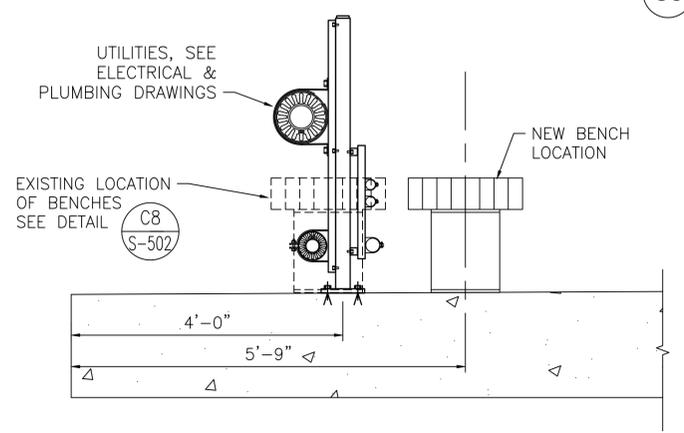
1. CONTRACTOR TO INSTALL BENCHES AT LOCATIONS SHOWN ON SHEET S-102.
2. CONTRACTOR TO REMOVE AND RESET BASE AS SHOWN ON BENCH DETAIL.
3. CONTRACTOR TO USE ALL NEW 1/2" x 6" STAINLESS STEEL EXPANSION BOLTS.
4. ALL REMAINING EXISTING BENCHES SHALL BE THE PROPERTY OF THE CITY.
5. SEE CITY PIER AS-BUILT DRAWINGS FOR MORE DETAILS.
6. EXISTING ANCHOR BOLTS SHALL BE FULLY REMOVED FROM PIER DECK. FILL ANY VOIDS WITH NON-SHRINK GROUT.
7. CONTRACTOR TO AVOID DRILLING INTO EXISTING REINFORCING STEEL, SEE AS-BUILT DRAWINGS FOR MORE DETAILS.



D2 SHEAR PLATE DETAILS
SCALE: 1 1/2" = 1'-0"



A3 SECTION AT INSHORE UTILITY POST AND BENCH
SCALE: 3/4" = 1'-0"



A6 SECTION AT OUTSHORE UTILITY POST AND BENCH
SCALE: 3/4" = 1'-0"



DATE	04/26/23
MARK DESCRIPTION	100% FOR CONSTRUCTION
SCALE	AS SHOWN
PLOTTING SCALE	1:1

A/E COMPANY: CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER: CHARLIE M. ROBERTS
 A/E PROJECT NO.: 2953-21.01
 CONSULTING A/E:

USCG PROJECT NO.	16190401
USCG DRAWING NO.	P16190401S502
USCG FILENAME	P16190401S-502.DWG
DESIGNED BY:	LPL
DRAWN BY:	TEC
CHECKED BY:	CMR
EDITED BY:	LPL
SHEET 12	OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
 COAST GUARD MUSEUM-USCGC EAGLE
 NEW LONDON
 STRUCTURAL DETAILS

SHEET ID
 CITY PIER
 S-502

BID ALTERNATE #2 - SEWER FORCE MAIN NOTE:
 AN EXISTING 24" SANITARY SEWER PIPE THAT FORMERLY SERVED AS AN OUTFALL ACROSS WATER STREET AND THE RAILROAD TRACKS CURRENTLY CONTAINS TWO 2" HDPE HIGH DENSITY POLYETHYLENE (HDPE) SANITARY SEWER FORCE MAINS FOR THE TWO PUMP STATIONS, ONE AT THE CITY PIER AND THE OTHER AT THE FERRY STATION. A NEW 4" HDPE HIGH DENSITY POLYETHYLENE (HDPE) FORCE MAIN SHALL BE PROVIDED TO TRANSFER SANITARY SEWAGE FROM THE NEW CITY PIER GRINDER PUMP STATION TO THE CITY OF NEW LONDON SANITARY SEWER ON SOUTH WATER STREET. THE TWO EXISTING 2" HDPE FORCE MAINS MUST BE REMOVED AND TWO NEW 2" HDPE FORCE MAINS PULLED TOGETHER WITH THE NEW 4" FORCE MAIN AS A CLUSTER. THE WORK MUST BE SUBMITTED TO AMTRAK FOR APPROVAL OF WORK BENEATH THE RAILROAD RIGHT OF WAY.

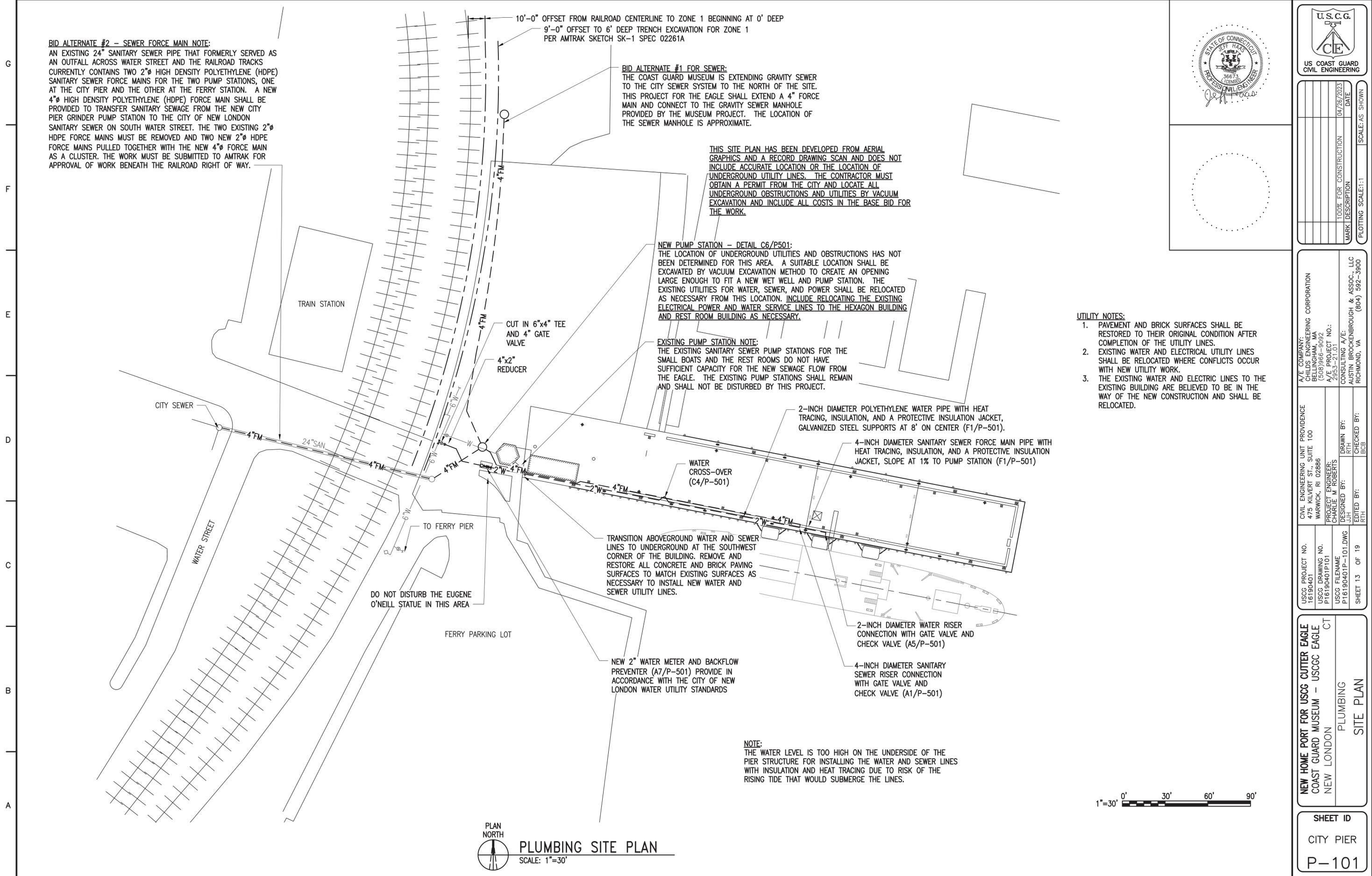
BID ALTERNATE #1 FOR SEWER:
 THE COAST GUARD MUSEUM IS EXTENDING GRAVITY SEWER TO THE CITY SEWER SYSTEM TO THE NORTH OF THE SITE. THIS PROJECT FOR THE EAGLE SHALL EXTEND A 4" FORCE MAIN AND CONNECT TO THE GRAVITY SEWER MANHOLE PROVIDED BY THE MUSEUM PROJECT. THE LOCATION OF THE SEWER MANHOLE IS APPROXIMATE.

THIS SITE PLAN HAS BEEN DEVELOPED FROM AERIAL GRAPHICS AND A RECORD DRAWING SCAN AND DOES NOT INCLUDE ACCURATE LOCATION OR THE LOCATION OF UNDERGROUND UTILITY LINES. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE CITY AND LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES BY VACUUM EXCAVATION AND INCLUDE ALL COSTS IN THE BASE BID FOR THE WORK.

NEW PUMP STATION - DETAIL C6/P501:
 THE LOCATION OF UNDERGROUND UTILITIES AND OBSTRUCTIONS HAS NOT BEEN DETERMINED FOR THIS AREA. A SUITABLE LOCATION SHALL BE EXCAVATED BY VACUUM EXCAVATION METHOD TO CREATE AN OPENING LARGE ENOUGH TO FIT A NEW WET WELL AND PUMP STATION. THE EXISTING UTILITIES FOR WATER, SEWER, AND POWER SHALL BE RELOCATED AS NECESSARY FROM THIS LOCATION. INCLUDE RELOCATING THE EXISTING ELECTRICAL POWER AND WATER SERVICE LINES TO THE HEXAGON BUILDING AND REST ROOM BUILDING AS NECESSARY.

EXISTING PUMP STATION NOTE:
 THE EXISTING SANITARY SEWER PUMP STATIONS FOR THE SMALL BOATS AND THE REST ROOMS DO NOT HAVE SUFFICIENT CAPACITY FOR THE NEW SEWAGE FLOW FROM THE EAGLE. THE EXISTING PUMP STATIONS SHALL REMAIN AND SHALL NOT BE DISTURBED BY THIS PROJECT.

- UTILITY NOTES:**
1. PAVEMENT AND BRICK SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AFTER COMPLETION OF THE UTILITY LINES.
 2. EXISTING WATER AND ELECTRICAL UTILITY LINES SHALL BE RELOCATED WHERE CONFLICTS OCCUR WITH NEW UTILITY WORK.
 3. THE EXISTING WATER AND ELECTRIC LINES TO THE EXISTING BUILDING ARE BELIEVED TO BE IN THE WAY OF THE NEW CONSTRUCTION AND SHALL BE RELOCATED.



DATE	04/26/2023
MARK DESCRIPTION	100% FOR CONSTRUCTION
SCALE	AS SHOWN
PLOTTING SCALE	1:1

A/E COMPANY:
 CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 (508) 966-9092

A/E PROJECT NO.:
 2953-21.01

CONSULTING A/E:
 AUSTIN BROCKENBROUGH & ASSOC. LLC
 RICHMOND, VA (804) 592-3900

USCC PROJECT NO. 16190401	CIVIL ENGINEERING UNIT PROVIDENCE 475 KILVERT ST., SUITE 100 WARWICK, RI 02886
USCC DRAWING NO. P16190401P101	PROJECT ENGINEER: CHARLIE M. ROBERTS
USCC FILENAME P16190401P-101.DWG	DESIGNED BY: JUH
SHEET 13 OF 19	DRAWN BY: RTH
	CHECKED BY: BCB

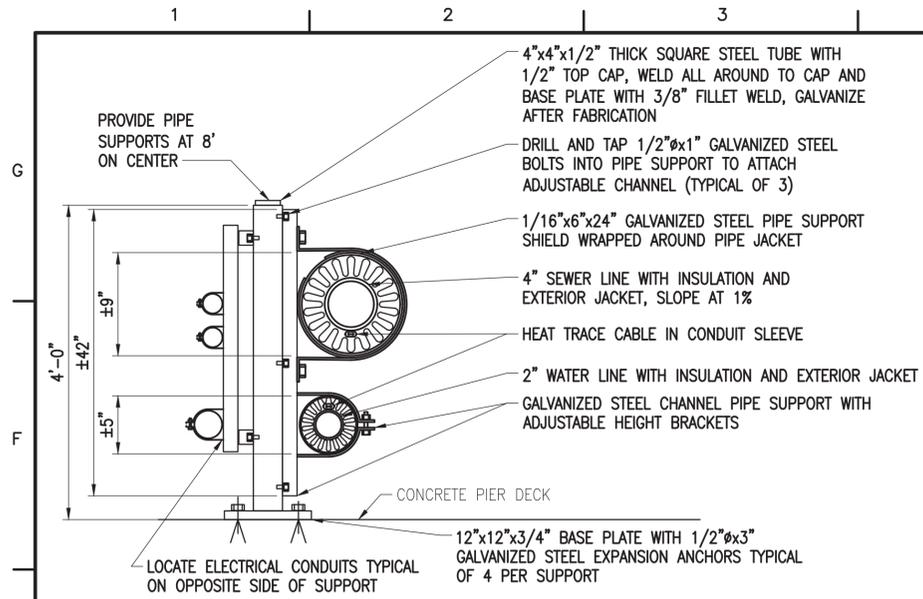
NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM - USCC EAGLE
 NEW LONDON CT
 PLUMBING
 SITE PLAN

SHEET ID
 CITY PIER
P-101

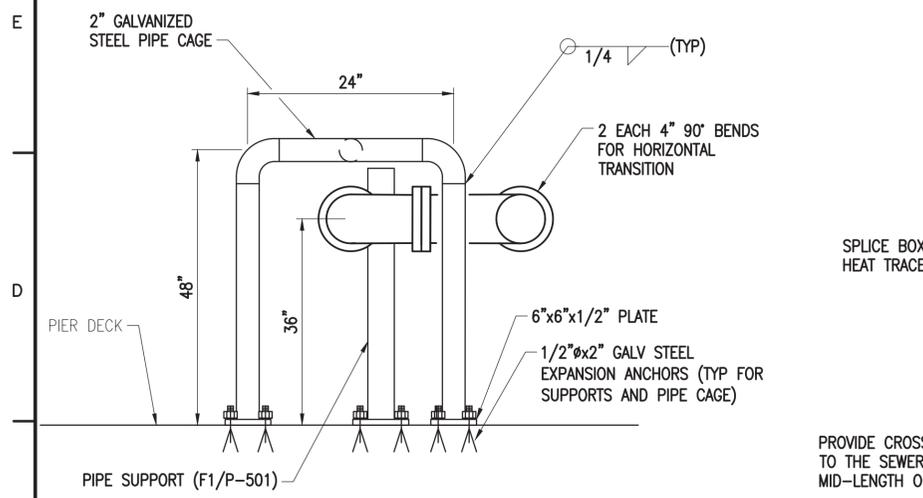
PLAN NORTH
PLUMBING SITE PLAN
 SCALE: 1"=30'



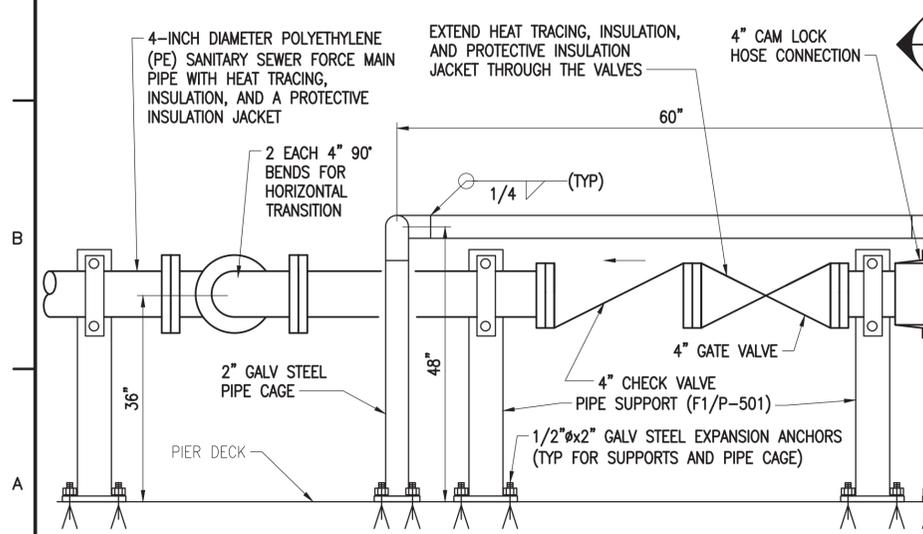
NOTE:
 THE WATER LEVEL IS TOO HIGH ON THE UNDERSIDE OF THE PIER STRUCTURE FOR INSTALLING THE WATER AND SEWER LINES WITH INSULATION AND HEAT TRACING DUE TO RISK OF THE RISING TIDE THAT WOULD SUBMERGE THE LINES.



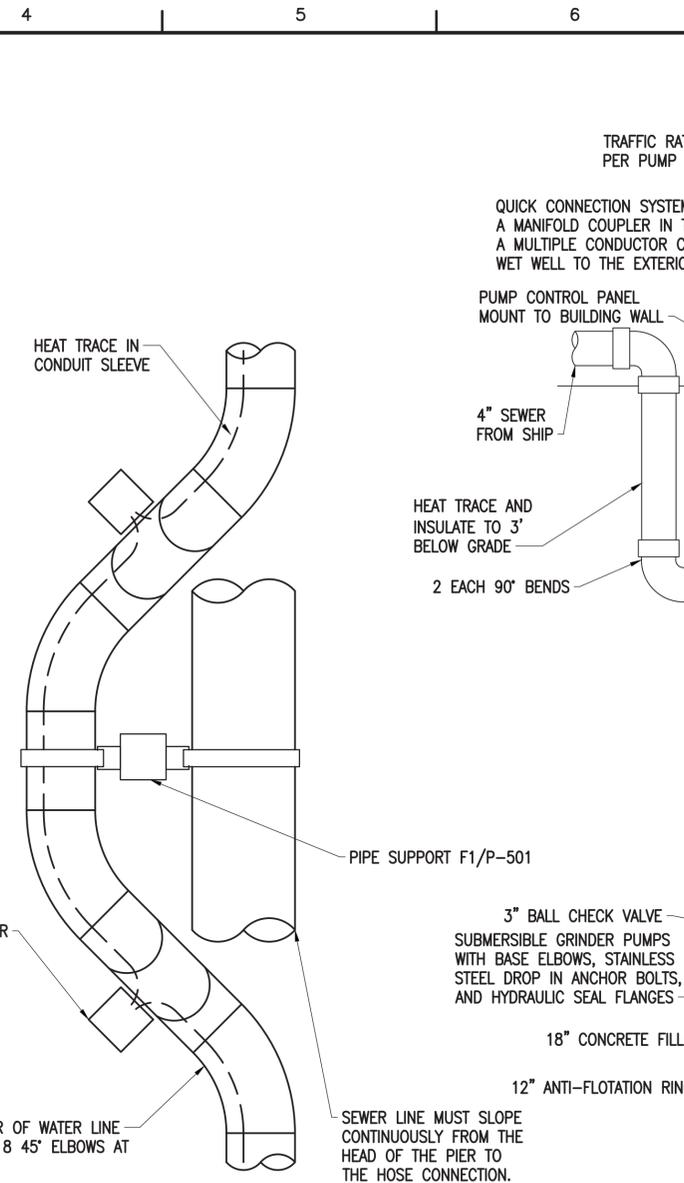
F1 PIPE SUPPORT AT 8' ON CENTER
SCALE: NONE



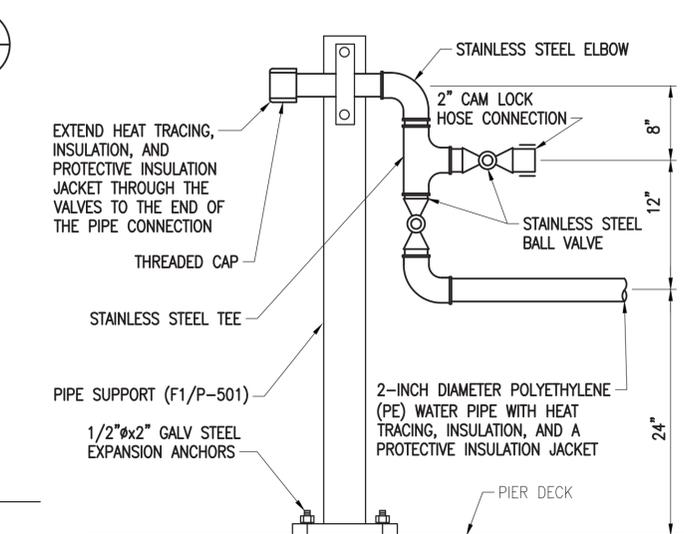
C1 SEWER RISER SECTION
SCALE: NONE



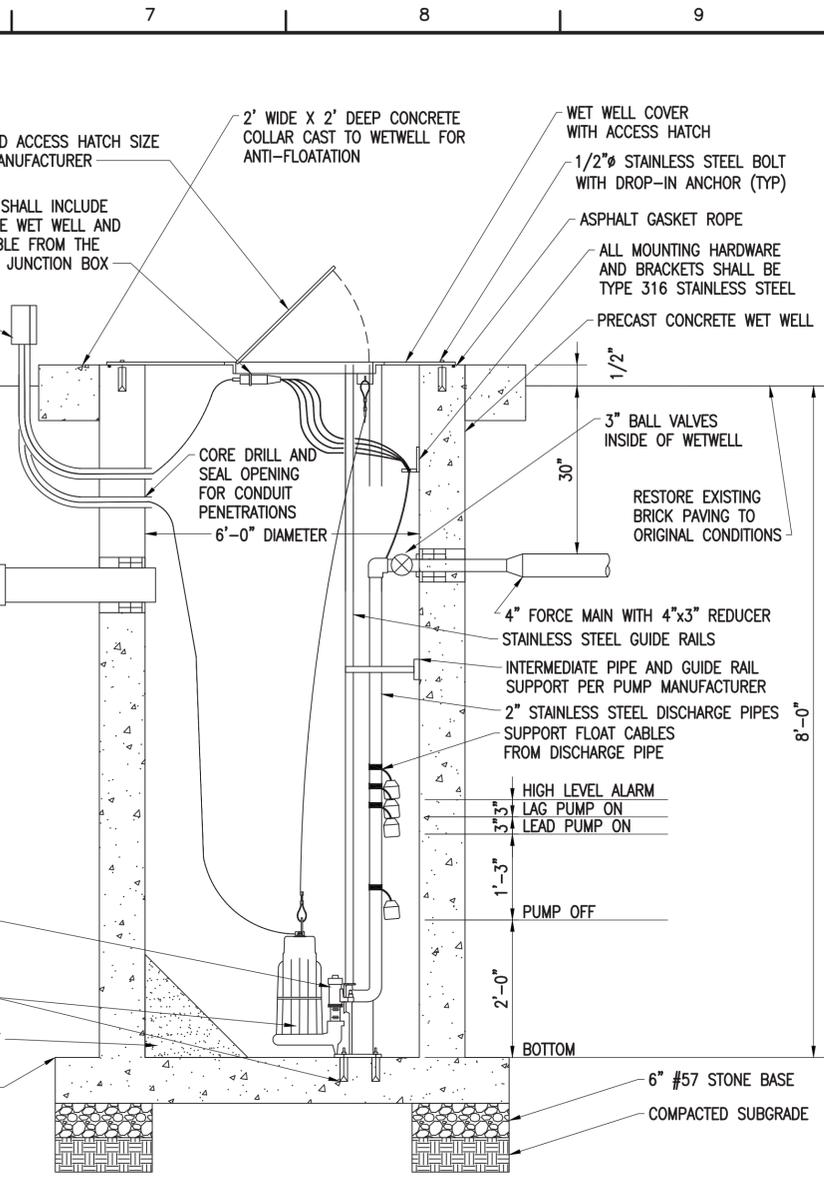
A1 SEWER RISER
SCALE: NONE



C4 WATER CROSS-OVER PLAN
SCALE: NONE

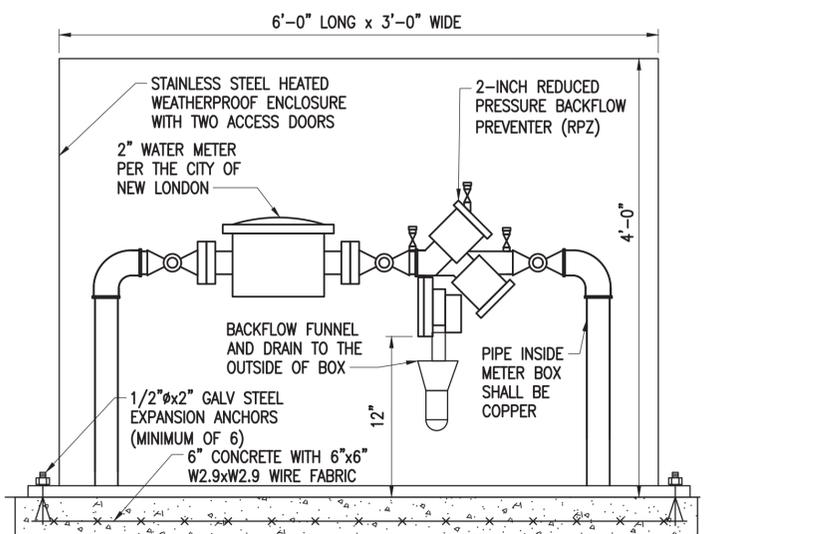


A5 WATER RISER
SCALE: NONE

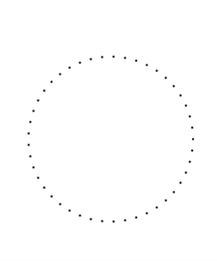


C6 SEWAGE PUMP STATION
SCALE: NONE

PUMP SCHEDULE					
DESCRIPTION	QUANTITY	FLOW	HEAD	POWER	VOLT/PHASE
SUBMERSIBLE GRINDER PUMP	2 EACH	200 GPM	30 FT	5 HP	480/3Ø



A7 WATER METER
SCALE: NONE



DATE	04/26/2023
MARK DESCRIPTION	100% FOR CONSTRUCTION
PLOTTING SCALE	SCALE: AS SHOWN

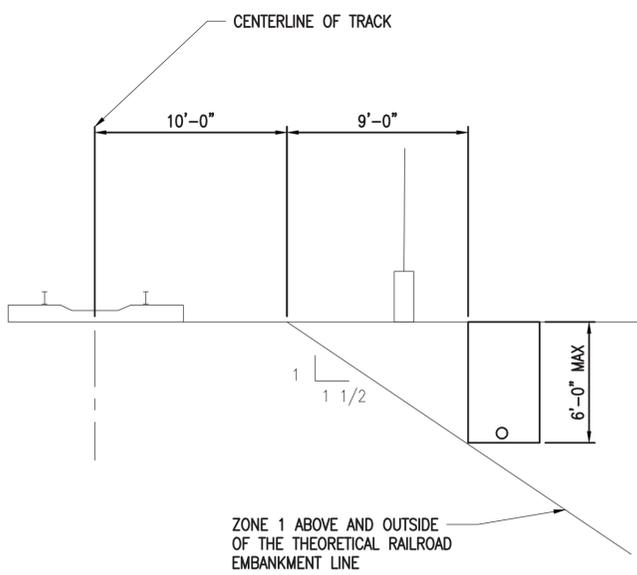
A/E COMPANY:
PLUMBING ENGINEERING CORPORATION
100% FOR CONSTRUCTION
A/E PROJECT NO.:
2953-211.01
CONSULTING A/E:
AUSTIN BROCKENBROUGH & ASSOC. LLC
RICHMOND, VA (804) 592-3900

CIVIL ENGINEERING UNIT PROVIDENCE
475 KILVERT ST., SUITE 100
WARWICK, RI 02886
PROJECT ENGINEER:
CHARLIE M. ROBERTS
DESIGNED BY:
J.H.
DRAWN BY:
RTH
CHECKED BY:
BCB
EDITED BY:
RTH

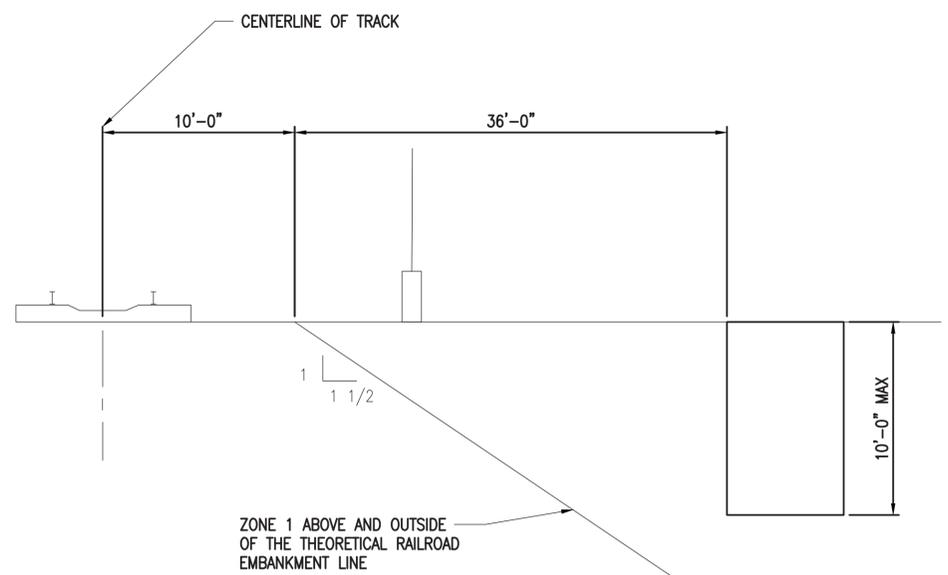
USCC PROJECT NO.
16190401
USCC DRAWING NO.
P16190401P501
USCC FILENAME
P16190401P-501.DWG
SHEET 14 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM - USCGC EAGLE
NEW LONDON
PLUMBING
DETAILS

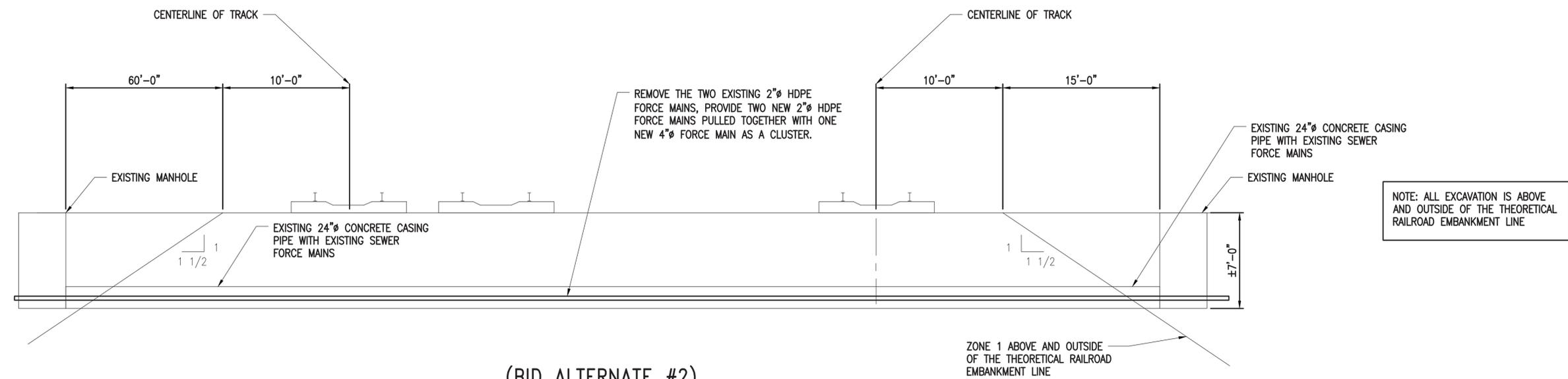
SHEET ID
CITY PIER
P-501



E4 SEWAGE FORCE MAIN (BID ALTERNATE #1) AND WATER LINE EXCAVATION
SCALE: NONE



E6 SEWAGE PUMP STATION EXCAVATION
SCALE: NONE



A1 (BID ALTERNATE #2) EXISTING SEWER FORCE MAIN AND CONCRETE CASING SECTION
SCALE: NONE



100% FOR CONSTRUCTION	DATE	SCALE: AS SHOWN
MARK DESCRIPTION	04/26/2023	PLOTTING SCALE: 1:1

A/E COMPANY:
PLUMBING ENGINEERING CORPORATION
1000 BELLEVILLE AVE
(508) 966-9092
A/E PROJECT NO.:
2953-21.01

CONSULTING A/E:
AUSTIN BROCKENBROUGH & ASSOC. LLC
RICHMOND, VA (804) 592-3900

CIVIL ENGINEERING UNIT PROVIDENCE
475 KILVERT ST., SUITE 100
WARWICK, RI 02886

PROJECT ENGINEER:
CHARLIE M. ROBERTS

DESIGNED BY:
JUH

DRAWN BY:
RTH

CHECKED BY:
ECB

USCC PROJECT NO.
16190401

USCC DRAWING NO.
P16190401P502

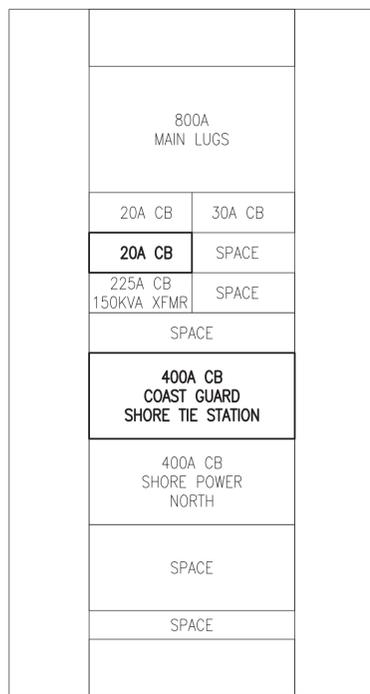
USCC FILENAME
P16190401P-502.DWG

SHEET 15 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM - USCC EAGLE
NEW LONDON CT

PLUMBING
RAILROAD DETAILS

SHEET ID
CITY PIER
P-502

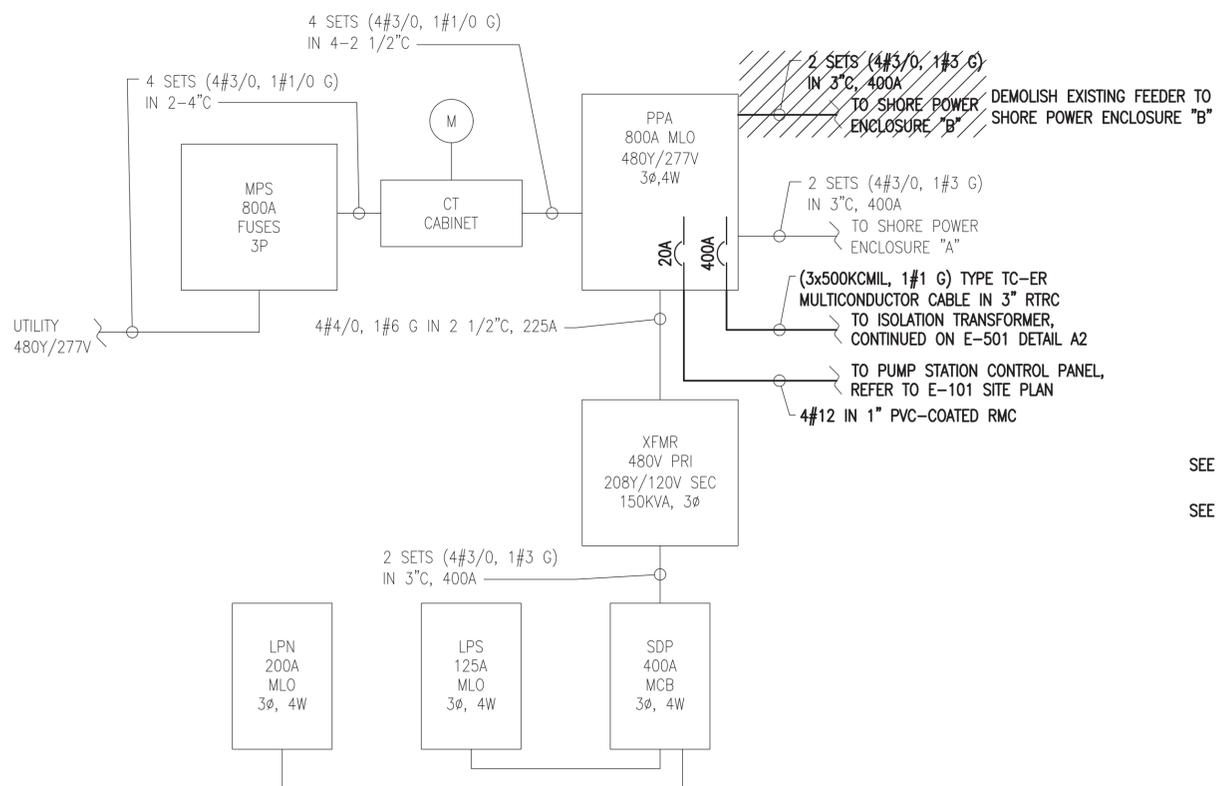


DISTRIBUTION PANELBOARD PPA ELEVATION

SCALE: NONE

NOTES:

1. SWITCHBOARD PPA IS SIEMENS TYPE S4. NEW CIRCUIT BREAKERS MUST BE LISTED FOR USE IN THIS EQUIPMENT.
2. PROVIDE 20A, 3P CB TO FEED SEWER LINE PUMP STATION. PROVIDE 3#12 WITH #12 GROUND.
3. PROVIDE 400A, 3P CB TO FEED SHORE TIE STATION. REFER TO ONE-LINE ON E-501.



PARITAL ONE-LINE DIAGRAM

SCALE: NONE

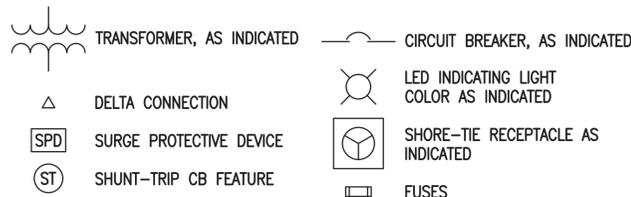
GENERAL LEGEND

1. GENERAL NOTE TAG - REFER TO "GENERAL NOTES" FOR EACH SHEET
- # NEW WORK NOTE TAG - REFER TO "NEW WORK NOTES" FOR EACH SHEET

GENERAL NOTES

1. NEW FEATURES ARE SHOWN USING A HEAVY LINE WEIGHT AND ARE DELINEATED WITH CONNECT TO EXISTING SYMBOLS. EXISTING FEATURES ARE SHOWN USING A LIGHT LINE WEIGHT SIMILAR TO THIS TEXT.
2. ELECTRICAL WORK AND MATERIAL IS NEW AND MUST BE PROVIDED BY THE CONTRACTOR, UNLESS INDICATED OTHERWISE.
3. AN EQUIPMENT GROUND WIRE MUST BE INSTALLED WITH FEEDERS AND BRANCH CIRCUITS.
4. ELECTRICAL WORK MUST BE IN ACCORDANCE WITH 2023 NATIONAL ELECTRICAL CODE (NEC).
5. ELECTRICAL EQUIPMENT MUST BE IDENTIFIED AND LABELED. FEEDERS/CIRCUITS MUST BE IDENTIFIED AT EACH END OF THE WIRE AND AT EVERY SPLICE OR JUNCTION/PULL BOX.
6. COORDINATE ELECTRICAL WORK WITH MECHANICAL WORK PRIOR TO FABRICATION AND INSTALLATION TO PREVENT CONFLICTS. NOTIFY CONTRACTING OFFICER WHERE CONFLICTS ARE DISCOVERED PRIOR TO CONSTRUCTION AND BEFORE BEGINNING WORK IN THOSE AREAS. CONFLICTS THAT ARISE DUE TO LACK OF COORDINATION MUST BE RECTIFIED BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT.
7. CONTRACTOR MUST REPAIR/REPLACE BROKEN OR DAMAGED EXISTING EQUIPMENT WITH SAME TYPE AS REQUIRED.

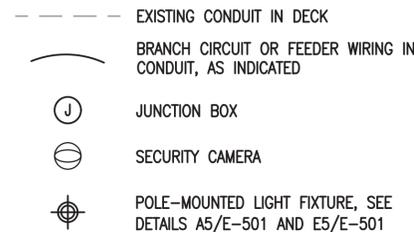
ONE-LINE DIAGRAM LEGEND



ELECTRICAL ABBREVIATIONS

A	AMP
AMPS	AMPERES
AWG	AMERICAN WIRE GAUGE
C	CONDUIT OR CONDUCTOR
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CONC	CONCRETE
CU	COPPER
G, GND	GROUND
GFEP	GROUND FAULT EQUIPMENT PROTECTION
MLO	MAIN LUGS ONLY
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
Ø	PHASE
P	POLES
PRI	PRIMARY
RCPT	RECEPTACLE
RTRC	REINFORCED THERMOSETTING RESIN CONDUIT
SEC	SECONDARY
SP	SHORE POWER
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
W	WATT OR WIRE
XFMR	TRANSFORMER

SITE PLAN LEGEND



PANELBOARD SDP SCHEDULE (EXISTING)

400 A, MAIN CIRCUIT BREAKER, 208Y/120-VOLT, 3 PHASE, 4 WIRE, 10 kAIC, SURFACE MOUNT																
LOAD SERVED	LOAD (AMPS)			BKR TRIP	WIRE SIZE	CKT NO.	PHASE			CKT NO.	WIRE SIZE	BKR TRIP	LOAD (AMPS)			LOAD SERVED
	A	B	C				A	B	C				A	B	C	
SPARE	0	0	0	50		1	•			2			0	0	0	SPARE
SPACE	0	0	0			3				4						
GRINDER PUMP				30	#10	5				6						
PANEL AT TRACKS	0	0	0	125	#3	7	•			8			0	0	0	ROCKETSHIP PANEL
PANEL AT STAGE	0	0	0	100	#3	9	•			10	#3	100	0	0	0	
NORTH LIGHT POLES		0	0	20	#10	11				12		30			0	SPARE
SOUTH LIGHT POLES			0	20	#10	13				14	#8	50	0	0	0	PLAZA HANDHOLE
PANEL B	0	0	0	50	#8	15	•			16						
HEAT TRACE - WATER LINE	5.0		5.0	20	#12	17	•			18			0	0	0	SPACE
HEAT TRACE - SEWER LINE		5.0		20	#12	19	•			20			0	0	0	SPACE
RCPT - COMMS	1.5		5.0	20	#12	21	•			22	#12	20		0	0	SPACE
LIGHT POLE BY GUARD SHACK		0.8		20	#12	23	•			24	#8	50	0	0.8	0	OCTAGON BUILDING
CONTROL POWER AT SHORE-TIE			3.0	20	#12	25	•			26	#8	50	0		1.5	PANEL A
PANEL LPS (SUBFEED BREAKER)	0	0	0	125	#1	27	•			28	#12	20				CONTROL POWER AT SHORE-TIE
TOTAL	0.0	0.0	0.0			29	•			30	#12	20				RCPT AT WATER METER
						31	•			32			0	0	0	SPACE
						33	•			34				0	0	SPACE
						35	•			36					0	SPACE
						37	•			38			0	0	0	SPACE
						39	•			40					0	SPACE
						41	•			42					0	SPACE
											#3/0	200				PANEL LPN (SUBFEED BREAKER)
													0.0	0.0	0.0	TOTAL

NOTES:

1. EXISTING PANEL SDP IS A SIEMENS TYPE S1. CIRCUIT BREAKERS MUST BE LISTED FOR USE IN THIS PANEL.
2. PROVIDE GFEP TYPE CIRCUIT BREAKER.



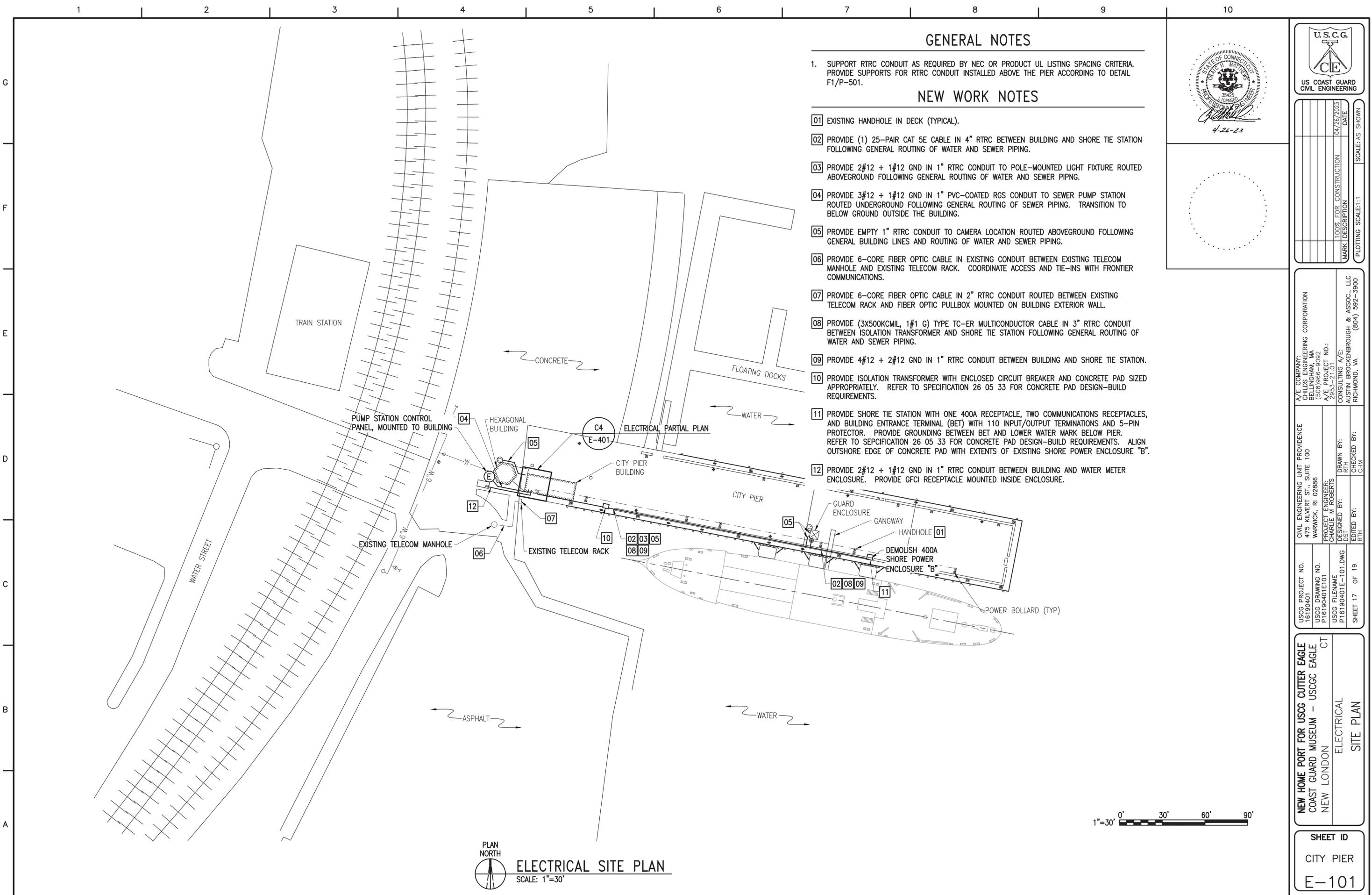
DATE	04/26/2023
MARK DESCRIPTION	100% FOR CONSTRUCTION
SCALE	AS SHOWN
PLOTTING SCALE	1:1

A/E COMPANY:
 CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT NO.:
 A/E PROJECT NO.:
 2953-21101
 CONSULTING A/E:
 AUSTIN BROCKENBROUGH & ASSOC. LLC
 RICHMOND, VA (804) 592-3900

CIVIL ENGINEERING UNIT PROVIDENCE
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLES M. ROBERTS
 DESIGNED BY:
 DST
 DRAWN BY:
 RTH
 CHECKED BY:
 CHM
 SHEET 16 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
 COAST GUARD MUSEUM - USCGC EAGLE
 NEW LONDON CT
 ELECTRICAL
 LEGEND, NOTES, AND ABBREVIATIONS

SHEET ID
 CITY PIER
 E-001



GENERAL NOTES

- SUPPORT RTRC CONDUIT AS REQUIRED BY NEC OR PRODUCT UL LISTING SPACING CRITERIA. PROVIDE SUPPORTS FOR RTRC CONDUIT INSTALLED ABOVE THE PIER ACCORDING TO DETAIL F1/P-501.

NEW WORK NOTES

- EXISTING HANDHOLE IN DECK (TYPICAL).
- PROVIDE (1) 25-PAIR CAT 5E CABLE IN 4" RTRC BETWEEN BUILDING AND SHORE TIE STATION FOLLOWING GENERAL ROUTING OF WATER AND SEWER PIPING.
- PROVIDE 2#12 + 1#12 GND IN 1" RTRC CONDUIT TO POLE-MOUNTED LIGHT FIXTURE ROUTED ABOVEGROUND FOLLOWING GENERAL ROUTING OF WATER AND SEWER PIPING.
- PROVIDE 3#12 + 1#12 GND IN 1" PVC-COATED RGS CONDUIT TO SEWER PUMP STATION ROUTED UNDERGROUND FOLLOWING GENERAL ROUTING OF SEWER PIPING. TRANSITION TO BELOW GROUND OUTSIDE THE BUILDING.
- PROVIDE EMPTY 1" RTRC CONDUIT TO CAMERA LOCATION ROUTED ABOVEGROUND FOLLOWING GENERAL BUILDING LINES AND ROUTING OF WATER AND SEWER PIPING.
- PROVIDE 6-CORE FIBER OPTIC CABLE IN EXISTING CONDUIT BETWEEN EXISTING TELECOM MANHOLE AND EXISTING TELECOM RACK. COORDINATE ACCESS AND TIE-INS WITH FRONTIER COMMUNICATIONS.
- PROVIDE 6-CORE FIBER OPTIC CABLE IN 2" RTRC CONDUIT ROUTED BETWEEN EXISTING TELECOM RACK AND FIBER OPTIC PULLBOX MOUNTED ON BUILDING EXTERIOR WALL.
- PROVIDE (3X500KCMIL, 1#1 G) TYPE TC-ER MULTICONDUCTOR CABLE IN 3" RTRC CONDUIT BETWEEN ISOLATION TRANSFORMER AND SHORE TIE STATION FOLLOWING GENERAL ROUTING OF WATER AND SEWER PIPING.
- PROVIDE 4#12 + 2#12 GND IN 1" RTRC CONDUIT BETWEEN BUILDING AND SHORE TIE STATION.
- PROVIDE ISOLATION TRANSFORMER WITH ENCLOSED CIRCUIT BREAKER AND CONCRETE PAD SIZED APPROPRIATELY. REFER TO SPECIFICATION 26 05 33 FOR CONCRETE PAD DESIGN-BUILD REQUIREMENTS.
- PROVIDE SHORE TIE STATION WITH ONE 400A RECEPTACLE, TWO COMMUNICATIONS RECEPTACLES, AND BUILDING ENTRANCE TERMINAL (BET) WITH 110 INPUT/OUTPUT TERMINATIONS AND 5-PIN PROTECTOR. PROVIDE GROUNDING BETWEEN BET AND LOWER WATER MARK BELOW PIER. REFER TO SPECIFICATION 26 05 33 FOR CONCRETE PAD DESIGN-BUILD REQUIREMENTS. ALIGN OUTSHORE EDGE OF CONCRETE PAD WITH EXTENTS OF EXISTING SHORE POWER ENCLOSURE "B".
- PROVIDE 2#12 + 1#12 GND IN 1" RTRC CONDUIT BETWEEN BUILDING AND WATER METER ENCLOSURE. PROVIDE GFCI RECEPTACLE MOUNTED INSIDE ENCLOSURE.



MARK	DESCRIPTION	DATE
100%	FOR CONSTRUCTION	04/26/2023

A/E COMPANY:
 LUK ENGINEERING CORPORATION
 1000 BELLEVILLE AVE
 (508) 966-9092
 A/E PROJECT NO.:
 2953-21.01
 CONSULTING A/E:
 AUSTIN BROCKENBROUGH & ASSOC. LLC
 RICHMOND, VA (804) 592-3900

CIVIL ENGINEERING UNIT PROVIDENCE
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 DESIGNED BY:
 DST
 DRAWN BY:
 RTH
 CHECKED BY:
 CHM

USCG PROJECT NO.
 16190401
 USCG DRAWING NO.
 P16190401E101
 USCG FILENAME
 P16190401E-101.DWG
 SHEET 17 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
COAST GUARD MUSEUM - USCGC EAGLE
 NEW LONDON CT
 ELECTRICAL
 SITE PLAN

SHEET ID
 CITY PIER
E-101



PLAN NORTH
ELECTRICAL SITE PLAN
 SCALE: 1"=30'

GENERAL NOTES

1. PROVIDE WEATHERPROOF SEAL AT ALL BUILDING PENETRATIONS.



MARK	DESCRIPTION	DATE	SCALE: AS SHOWN
	100% FOR CONSTRUCTION	04/26/2023	



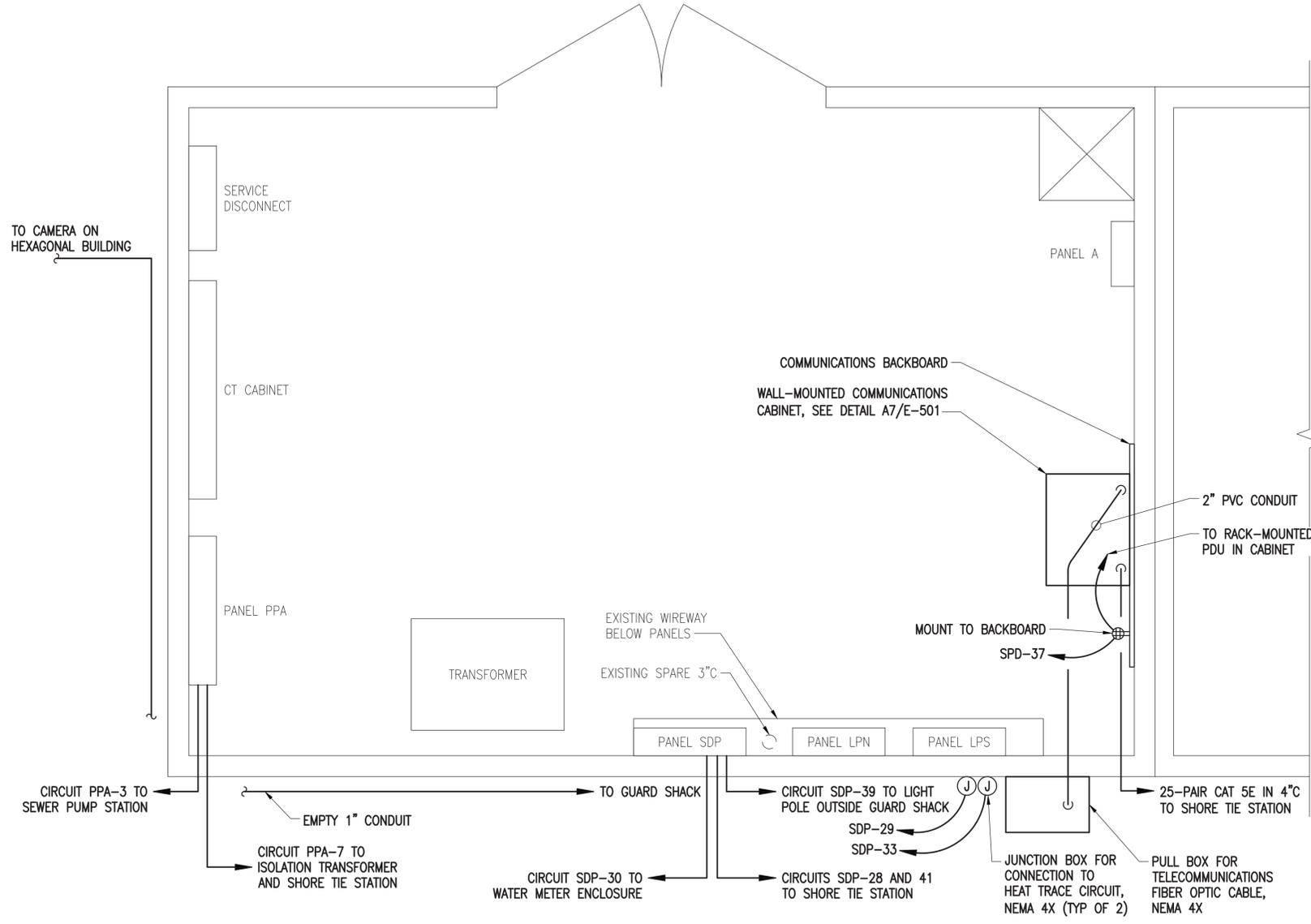
A/E COMPANY:
 CIVIL ENGINEERING CORPORATION
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 (508) 866-9092
 A/E PROJECT NO.:
 2953-21.01
 CONSULTING A/E:
 AUSTIN BROCKENBROUGH & ASSOC., LLC
 RICHMOND, VA (804) 592-3900

CIVIL ENGINEERING UNIT PROVIDENCE
 475 KILVERT ST., SUITE 100
 WARWICK, RI 02886
 PROJECT ENGINEER:
 CHARLIE M. ROBERTS
 DESIGNED BY:
 DST
 DRAWN BY:
 RTH
 CHECKED BY:
 CHM

USCG PROJECT NO.
 16190401
 USCG DRAWING NO.
 P16190401E401
 USCG FILENAME
 P16190401E-401.DWG
 SHEET 18 OF 19

NEW HOME PORT FOR USCG CUTTER EAGLE
 COAST GUARD MUSEUM - USCGC EAGLE
 NEW LONDON CT
 ELECTRICAL
 PARTIAL PLAN

SHEET ID
 CITY PIER
E-401



C4

ELECTRICAL PARTIAL PLAN
 SCALE: 3/4"=1'-0"



G
F
E
D
C
B
A

