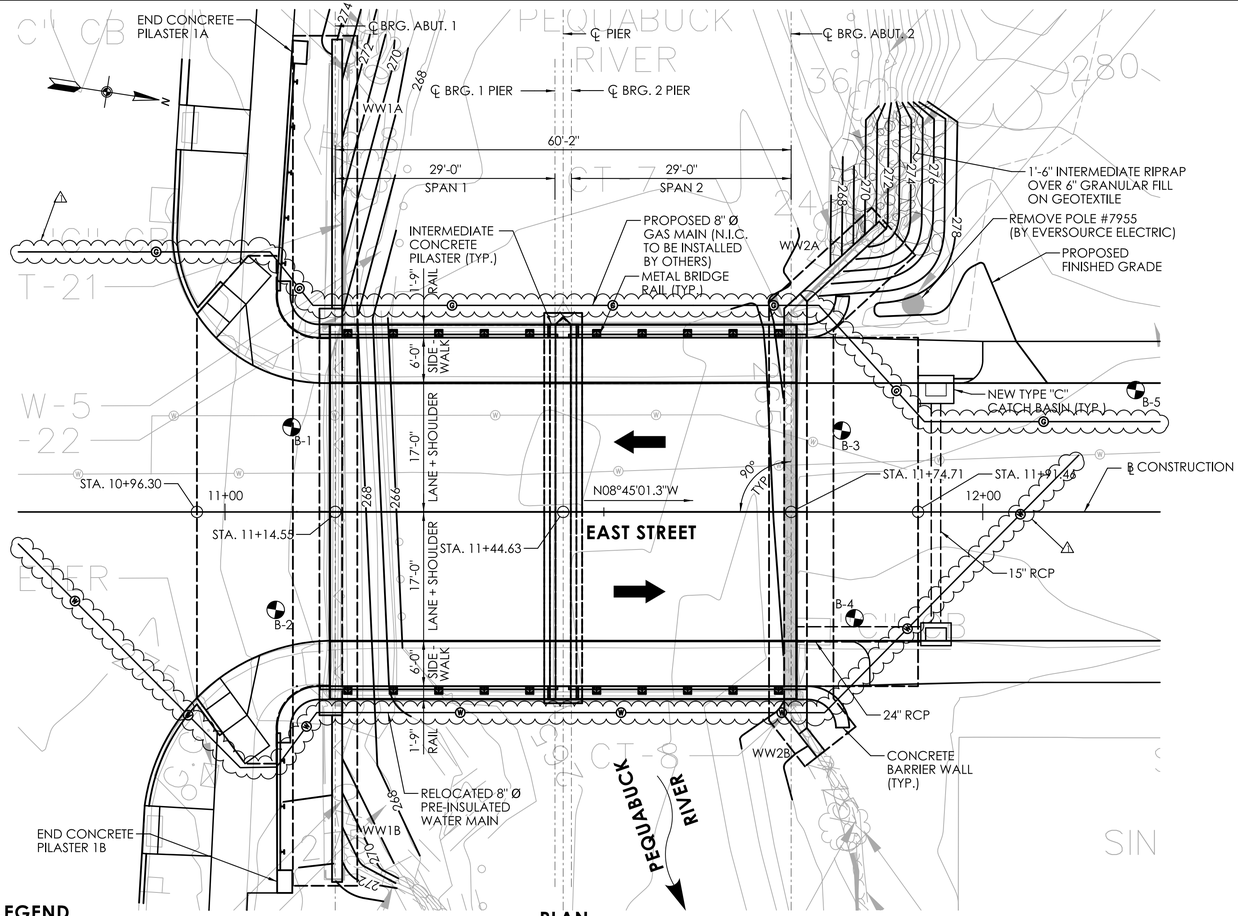
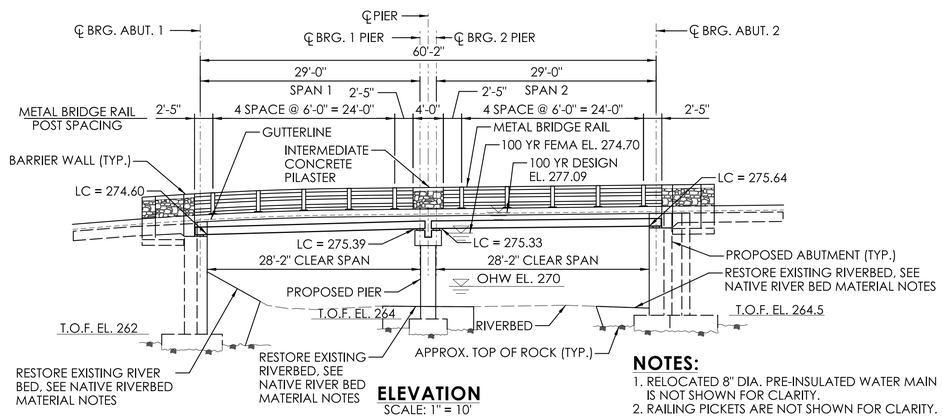


LEGEND

SOIL BORING LOCATION

PLAN

SCALE: 1" = 10'



ELEVATION

SCALE: 1" = 10'

NOTES:

1. RELOCATED 8" DIA. PRE-INSULATED WATER MAIN IS NOT SHOWN FOR CLARITY.
2. RAILING PICKETS ARE NOT SHOWN FOR CLARITY.

NATIVE RIVERBED MATERIAL NOTES:

1. NATIVE RIVERBED MATERIAL EXCAVATED DURING PROPOSED ABUTMENTS AND PIER INSTALLATION SHALL BE STOCKPILED AND THEN REPLACED WITHIN DISTURBED AREAS OF RIVERBED TO THE DEPTH SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE SPECIAL PROVISION FOR THE ITEM "REUSE OF EXISTING CHANNEL BOTTOM MATERIAL".
2. ADDITIONAL RIVERBED MATERIAL, IF REQUIRED, SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR THE ITEM "REUSE OF EXISTING CHANNEL BOTTOM MATERIAL".
3. THE STOCKPILE SHALL BE LOCATED OUTSIDE THE WETLAND LIMITS AND PROTECTED WITH SEDIMENTATION CONTROL SYSTEM.

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 DATED 2020; SUPPLEMENTAL SPECIFICATION DATED JULY 2023 AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION - 2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003), WITH THE LATEST REVISIONS.

MATERIAL STRENGTHS:
CONCRETE:
CLASS PCC 03340 .....f'c=3,000 psi
CLASS PCC 04460 .....f'c=4,000 psi
CLASS PCC 04462 .....f'c=4,000 psi
PRESTRESSED DECK UNITS .....f'c=8,000 psi

THE CONCRETE STRENGTH, f'c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF 6.01- CONCRETE FOR STRUCTURES AND M.03- PORTLAND CEMENT CONCRETE.

REINFORCEMENT: (ASTM A615 GRADE 60)..... fy = 60,000 PSI

LIVE LOAD: HL-93, LEGAL AND PERMIT VEHICLES.

FUTURE PAVING ALLOWANCE: NONE.

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF TWO LIFTS: THE FIRST (BOTTOM LIFT) SHALL BE "HMA S0.25 TRAFFIC LEVEL 2" (1" THICK) AND THE SECOND (TOP LIFT) SHALL BE "HMA S0.5 TRAFFIC LEVEL 2" (2" THICK) .

FOUNDATION PRESSURES: THE LIMIT STATES NOTED ON THE SUBSTRUCTURE PLAN SHEETS REFER TO LOAD COMBINATIONS AS GIVEN IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE LIMITED SURVEY AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR REVIEW, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

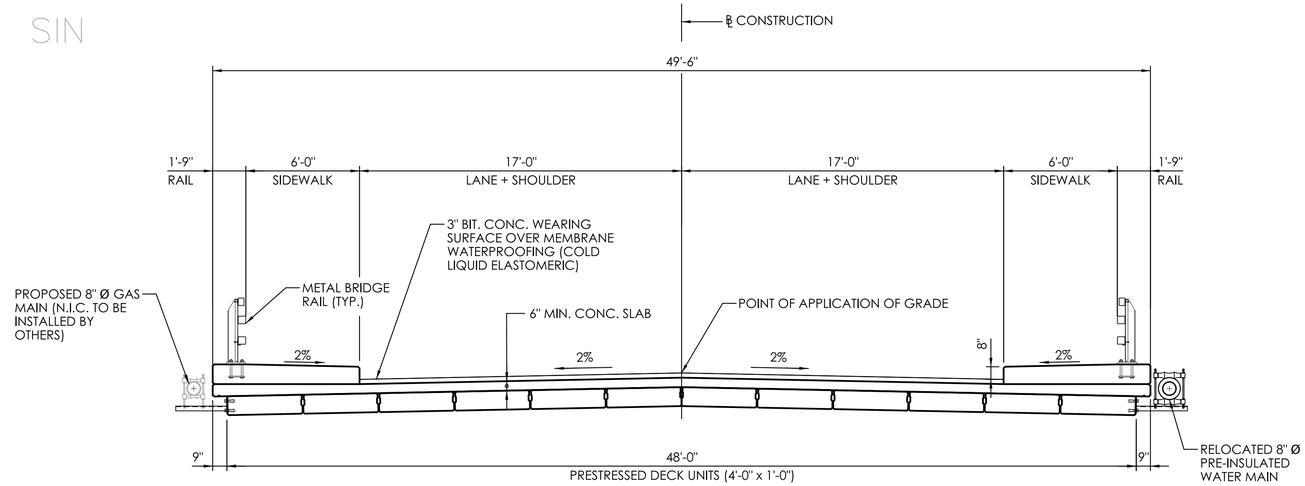
EXISTING BRIDGE: THE WORK FOR REMOVAL OF THE EXISTING SUPERSTRUCTURE SHALL BE INCLUDED AND PAID FOR UNDER THE ITEM "REMOVAL OF SUPERSTRUCTURE". THE WORK FOR REMOVAL OF EXISTING ABUTMENTS, PIER, AND WINGWALLS SHALL BE PAID FOR UNDER ITEM "REMOVAL OF EXISTING MASONRY".

UTILITIES: THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS AND SHALL BE PROTECTED DURING CONSTRUCTION: 8" Ø PRE-INSULATED WATER MAIN OWNED BY CITY OF BRISTOL WATER AND SEWER DEPARTMENT, AND 8" Ø GAS MAIN AND ELECTRIC DISTRIBUTION UTILITY POLE OWNED BY EVERSOURCE ELECTRIC. THE CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO UTILITY RELOCATION WITH THE RESPECTIVE UTILITY COMPANIES.

BRIDGE IDENTIFICATION PLACARDS: THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW BRIDGE IDENTIFICATION SIGNS AT THE LEADING END OF EACH END BLOCK ON THE TRAFFIC SIDE. THE SIGNS SHALL BE FABRICATED WITH 40 GAUGE ALUMINUM SHEET METAL. THE SIGNS SHALL BE 4" X 12" WITH 3" WHITE RETROREFLECTIVE BLOCK LETTERS ON GREEN RETROREFELCTIVE SHEETING. EACH SIGN SHALL READ 04487. ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE BRIDGE SIGNS SHALL BE COVERED UNDER ITEM #1208931- SIGN FACE SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING).THE FINAL LOCATION AND ATTACHMENT METHOD FOR THE SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ATTACHMENT.

CONCRETE NOTES:

FOR CONCRETE NOTES SEE NEXT SHEET.



PROPOSED TYPICAL SECTION

SCALE: ¼" = 1'-0"

NOTICE TO BRIDGE INSPECTORS

THE DEPARTMENT'S BRIDGE SAFETY PROCEDURES REQUIRE THIS BRIDGE TO BE INSPECTED FOR, BUT NOT LIMITED TO, ALL APPROPRIATE COMPONENTS INDICATED IN THE GOVERNING MANUAL FOR BRIDGE INSPECTION. ATTENTION MUST BE GIVEN TO INSPECTING THE FOLLOWING SPECIAL COMPONENTS AND DETAILS. (THE LISTING FOR SPECIFIC ATTENTION SHALL NOT BE CONSTRUED TO REDUCE THE IMPORTANCE OF INSPECTION OF ANY OTHER COMPONENT OF THE STRUCTURE). THE FREQUENCY OF INSPECTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE GOVERNING MANUALS FOR BRIDGE INSPECTION. UNLESS OTHERWISE DIRECTED BY THE MANAGER OF SAFETY AND EVALUATION.

COMPONENT OR DETAIL	STRUCTURE SHEET REFERENCE
FOLLOW NORMAL INSPECTION PROCEDURES	———

INSPECTION OF FIELD WELDS

METHOD	UNIT	QUANTITY
ULTRASONIC	IN	0
MAGNETIC PARTICLE	IN	0

CONCRETE DISTRIBUTION

SUPERSTRUCTURE	C.Y.	113
SUBSTRUCTURE	C.Y.	412
FOOTINGS	C.Y.	153
TOTAL	C.Y.	678

REV.	DATE	REVISION DESCRIPTION
1	4/25/24	UTILITY LOCATION CHANGE

ADDENDUM NO. 1 - 04/26/2024

SCALE AS NOTED

DESIGNER/DRAFTER: JS CHECKED BY: VLL

SIGNATURE/ BLOCK: GM2 ASSOCIATES, INC. 115 GLASTONBURY BLVD. GLASTONBURY, CT 06033

Jagdeesh Gopal 2024.04.26 15:05:41-04'00'

CITY OF BRISTOL

PROJECT NUMBER: 0017-0192
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 04487, EAST STREET OVER PEQUABUCK RIVER
TOWN(S): BRISTOL
DRAWING TITLE: GENERAL PLAN, TYPICAL SECTION AND ELEVATION

DRAWING NO. S-01
SHEET NO. 12

LASTED SAVED BY: JShohet **FILE NAME:** M:\017_192_East Street_Bristol\330_Design Data\Structure_Bridge\Msta_Contract_Sheet_Files\Addendum1\SB_CB_0017_0192_East_Street_04487_GPN_A1.dgn
PLOTTED DATE: 4/26/2024