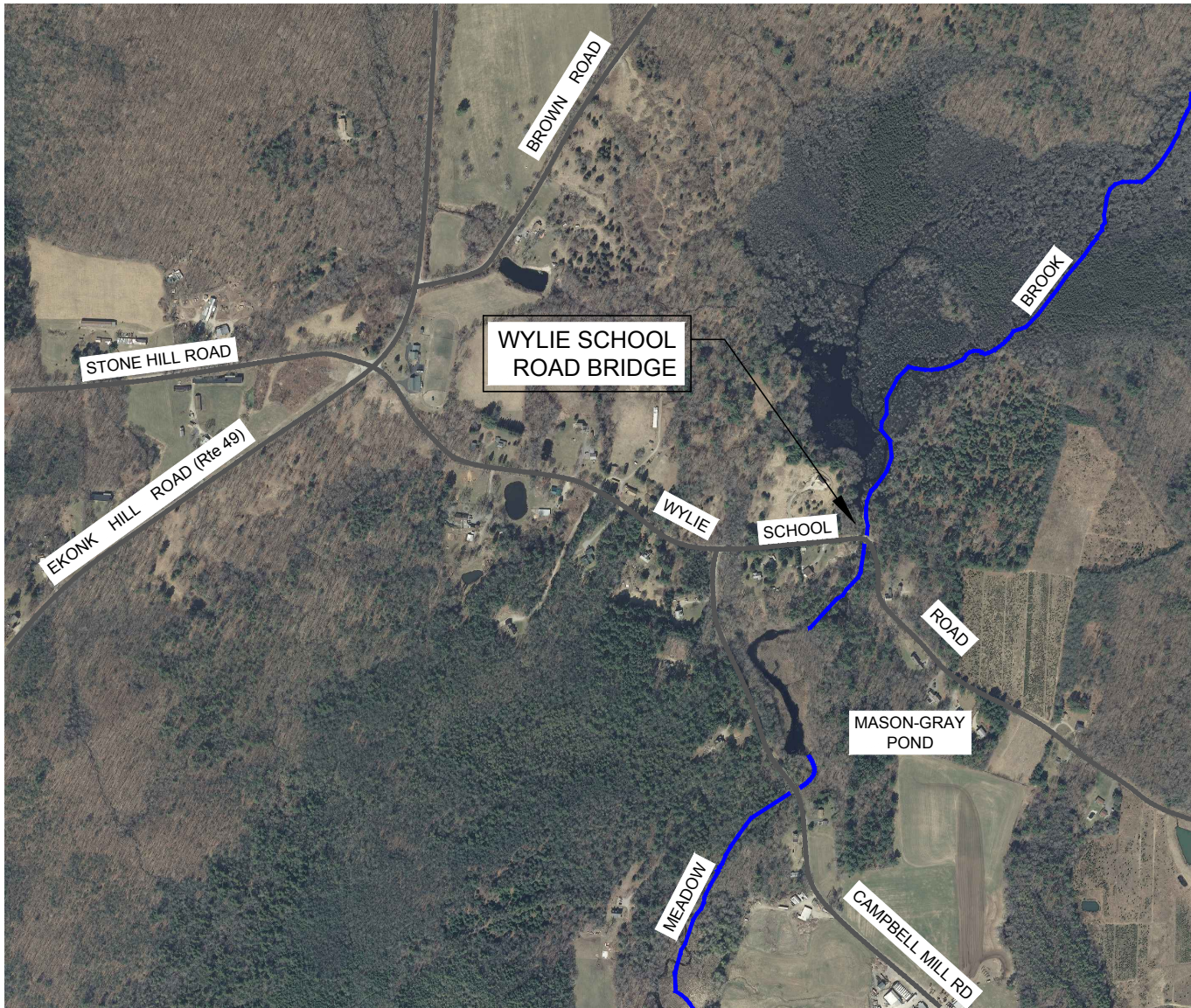
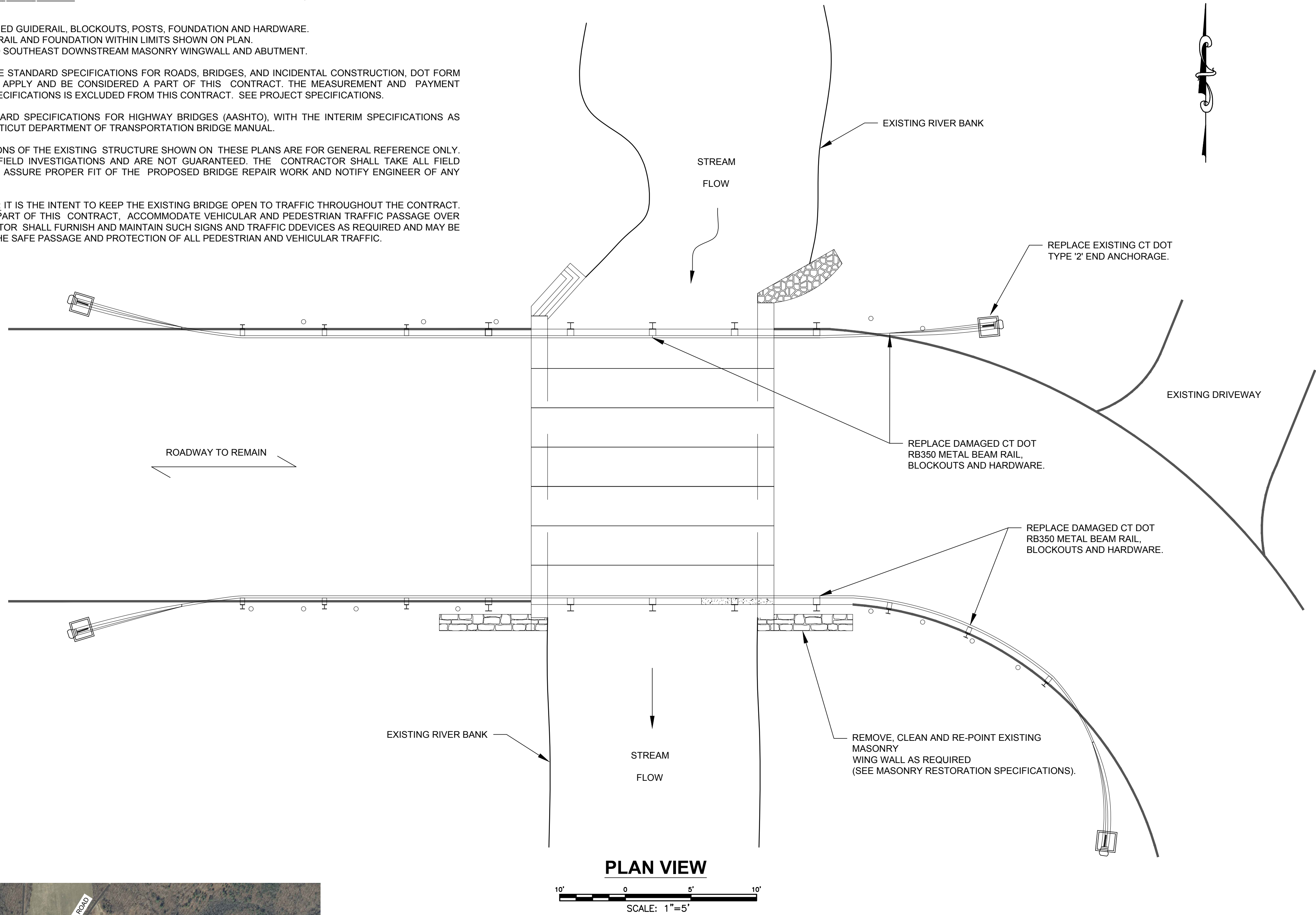
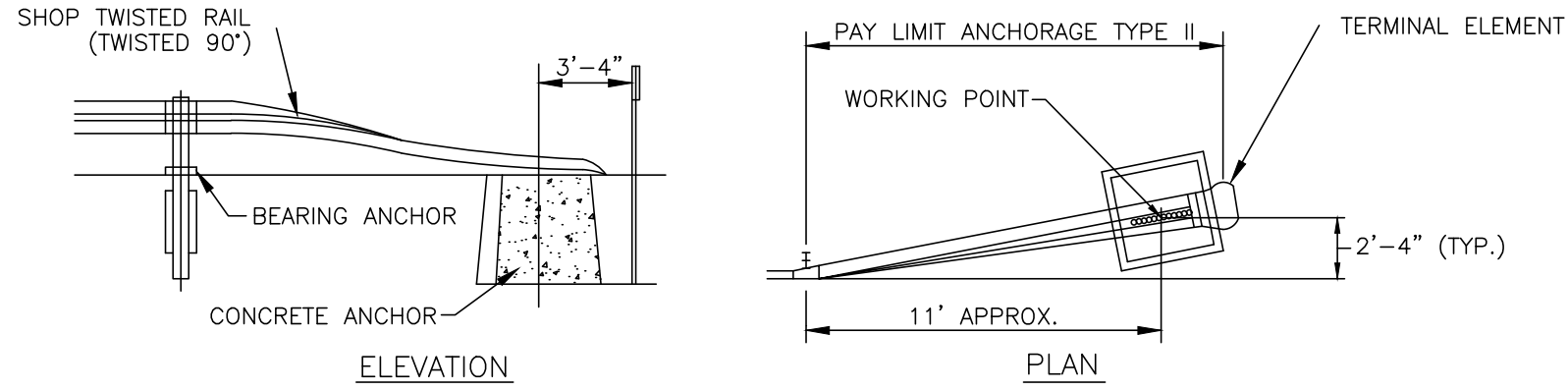


GENERAL NOTES

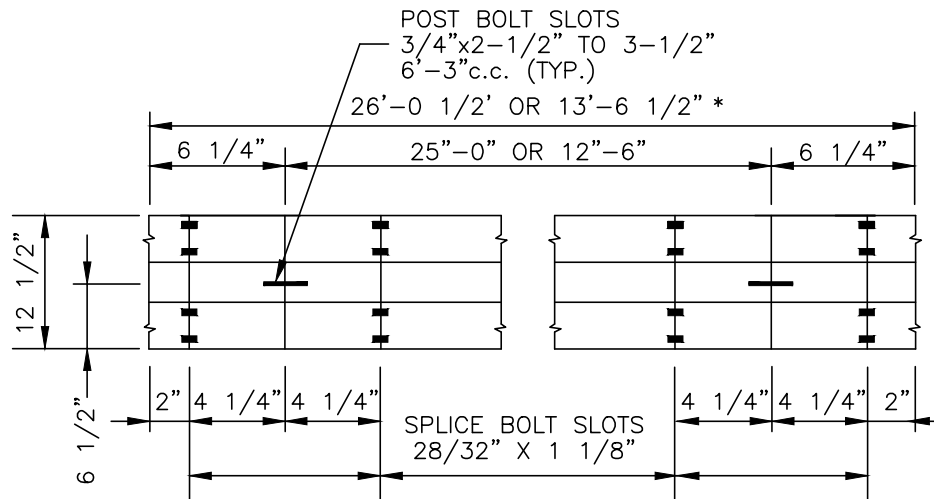
1. SCOPE OF WORK WYLIE SCHOOL ROAD BRIDGE: THE WORK UNDER THIS CONTRACT INCLUDES, BUT SHALL NOT BE EXPRESSLY LIMITED TO THE FOLLOWING:
- * REMOVAL OF EXISTING DAMAGED GUIDERAIL, BLOCKOUTS, POSTS, FOUNDATION AND HARDWARE.
 - * INSTALLATION OF NEW GUIDE RAIL AND FOUNDATION WITHIN LIMITS SHOWN ON PLAN.
 - * REPOINT/REPAIR OF DAMAGED SOUTHEAST DOWNSTREAM MASONRY WINGWALL AND ABUTMENT.
2. STANDARD SPECIFICATIONS: THE STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, DOT FORM 817 WITH SUPPLEMENTS, SHALL APPLY AND BE CONSIDERED A PART OF THIS CONTRACT. THE MEASUREMENT AND PAYMENT SECTIONS OF THE STANDARD SPECIFICATIONS IS EXCLUDED FROM THIS CONTRACT. SEE PROJECT SPECIFICATIONS.
3. DESIGN SPECIFICATIONS: STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (AASHTO), WITH THE INTERIM SPECIFICATIONS AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.
4. EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN DERIVED BY FIELD INVESTIGATIONS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE PROPOSED BRIDGE REPAIR WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
5. TRAFFIC: WYLIE SCHOOL BRIDGE: IT IS THE INTENT TO KEEP THE EXISTING BRIDGE OPEN TO TRAFFIC THROUGHOUT THE CONTRACT. THE CONTRACTOR SHALL, AS A PART OF THIS CONTRACT, ACCOMMODATE VEHICULAR AND PEDESTRIAN TRAFFIC PASSAGE OVER THE EXISTING BRIDGE. CONTRACTOR SHALL FURNISH AND MAINTAIN SUCH SIGNS AND TRAFFIC DDEVICES AS REQUIRED AND MAY BE DIRECTED BY THE OWNER FOR THE SAFE PASSAGE AND PROTECTION OF ALL PEDESTRIAN AND VEHICULAR TRAFFIC.



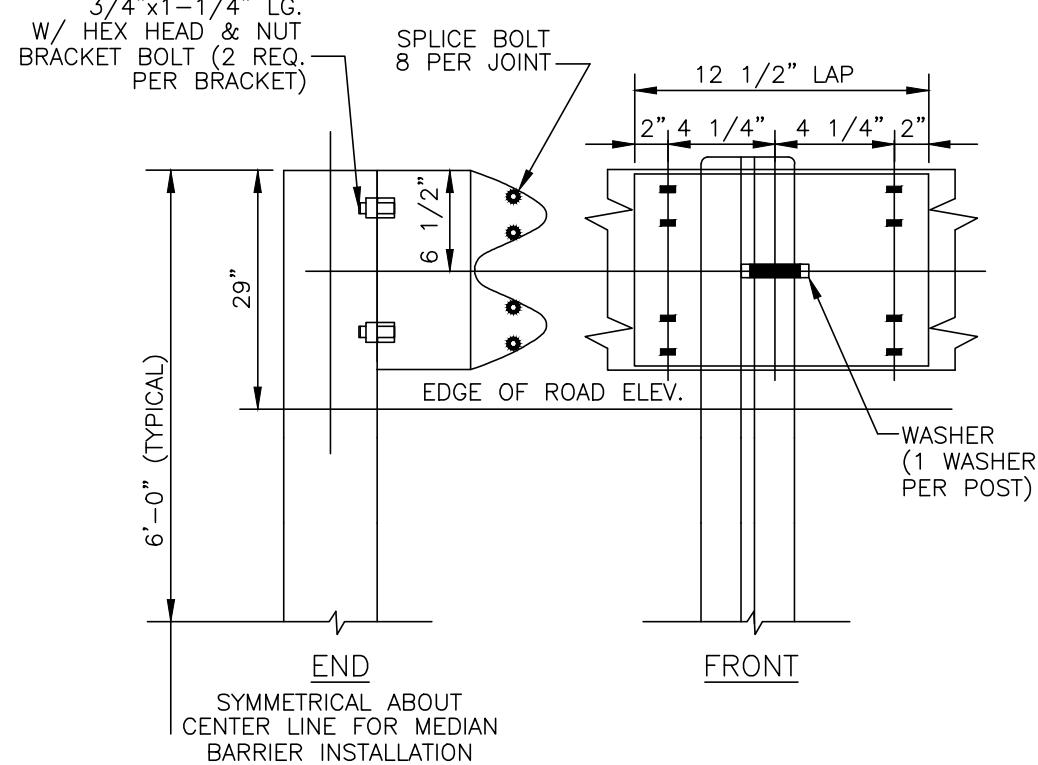
LOCATION MAP
VOLUNTOWN, CT
(Not to Scale)



RB END ANCHORAGE - TYPE II



TYPICAL RAIL ELEMENT (GALVANIZED)
CLASS A (12 GA.)



- NOTES:
1. INSTALLATION OF RAIL AND ANCHORAGES TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF CT DOT.
 2. METAL BEAM RAIL TO BE DOT TYPE RB-350 PER DOT SPECIFICATIONS.
 3. PROVIDE RB-TYPE II END ANCHORAGES PER DOT SPECIFICATIONS.

METAL BEAM RAIL AND END ANCHORAGE
NOT TO SCALE

MASONRY RESTORATION NOTES

1. MASONRY RESTORATION INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:
- a. REMOVAL AND REPLACEMENT OF CRACKED, SPALLED, OR OTHERWISE DAMAGED MASONRY.
 - b. MASONRY REPOINTING.
 - c. MASONRY CRACK REPAIR
 - d. THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY ITEMS NOT INDICATED IN THE DOCUMENTS THAT REQUIRE REPAIR WORK, SUCH AS CRACKED, LOOSE, BULGING OR DISPLACED MASONRY.
2. SUBMIT MANUFACTURES TECHNICAL DATA FOR EACH PRODUCT INDICATED INCLUDING RECOMMENDATIONS FOR THEIR APPLICATION AND USE. INCLUDE TEST REPORTS AND CERTIFICATIONS SUBSTANCING THAT PRODUCTS COMPLY WITH REQUIREMENTS.
3. DELIVERY, STORAGE, AND HANDLING:
- a. PROTECT MORTAR AND OTHER MATERIALS FROM DETERIORATION BY WATERPROOF CONTAINERS. KEEP CONTAINERS TIGHTLY CLOSED AND PROTECT LIQUID COMPONENTS FROM FREEZING. COMPLY WITH MANUFACTURERS RECOMMENDATIONS FOR MINIMUM AND MAXIMUM TEMPERATURE REQUIREMENTS FOR STORAGE.
 - b. PREVENT GROUT OR MORTAR OR SOIL FROM STAINING THE FACE OF THE MASONRY. IMMEDIATELY REMOVE GROUT OR MORTAR IN CONTACT WITH SUCH MASONRY.
 - c. COLD WEATHER OR HOT WEATHER PROTECTION:
 - DO NOT LAY MASONRY UNITS, WHICH ARE WET OR FROZEN.
 - REMOVE ANY ICE OR SNOW FORMED ON MASONRY BED BY CAREFULLY APPLYING HEAT UNTIL TOP SURFACE IS DRY TO THE TOUCH.
 - REMOVE MASONRY DAMAGED BY FREEZING CONDITIONS.
 - COMPLY WITH ACI 530.1-99
4. NO EXISTING WORK, WHICH IS NOT REMOVED, SHALL BE DISTURBED OR DAMAGED IN ANY WAY IN ORDER TO ACCOMPLISH THE REQUIRED WORK. THE CONTRACTOR SHALL ASSUME THE RISK OF SUCH DISTURBANCE OR DAMAGE ARISING OUT OF OR CONNECTION WITH THE PERFORMANCE OF THE WORK. IF ANY SUCH DISTURBANCES OR DAMAGE OCCURS TO THE EXISTING WORK, THE CONTRACTOR SHALL PROMPTLY RESTORE, REPAIR, OR REPLACE SUCH DISTURBANCE OR DAMAGE TO THE EXISTING WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER WITHOUT EXPENSE TO THE OWNER. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY OF EXISTING STRUCTURES AND FACILITIES DURING CONSTRUCTION AND SHALL TAKE ADEQUATE PRECAUTIONS TO PREVENT ANY DAMAGE TO EXISTING STRUCTURES AND FACILITIES.
5. PRODUCTS:
- a. MORTAR MATERIALS:
 - PORTLAND CEMENT: ASTM C 150, TYPE I, EXCEPT TYPE III MAY BE USED FOR COLD WEATHER CONSTRUCTION. PROVIDE COLOR REQUIRED TO MATCH EXISTING MORTAR
 - HYDRATED LIME: ASTM C 207, TYPE S.
 - AGGREGATE FOR MORTAR: ASTM C 144. FOR POINTING MORTAR, PROVIDE SAND WITH ROUNDED EDGES. MATCH SIZE, TEXTURE, AND GRADATION OF EXISTING MORTAR AS CLOSELY AS POSSIBLE.
 - WATER: CLEAN AND POTABLE.
 - b. MORTAR MIX:
 - DO NOT USE CALCIUM CHLORIDE IN MORTAR.
 - MORTAR COLOR: MATCH COLOR OF ADJACENT MORTAR AS CLOSELY AS POSSIBLE.
 - DO NOT USE ADMIXTURES OF ANY KIND IN MORTAR, UNLESS OTHERWISE INDICATED.
 - MORTAR SHALL BE ASTM C270, TYPE O
6. ALL INFORMATION RELATING TO THE EXISTING STRUCTURE SHOWN THE DOCUMENTS IS BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL PERFORM A COMPLETE SURVEY OF ALL THE NECESSARY ITEMS REQUIRED TO PERFORM THE WORK PROPERLY. ANY CONFLICTS OR DISCREPANCIES FOUND BETWEEN THE FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
7. ANY CONFLICT BETWEEN THE STRUCTURAL DRAWINGS AND OTHER DRAWINGS OR EXISTING CONDITIONS SHALL BE NOT THE REASON FOR ANY EXTRA COST OR DELAY IN THE EXECUTION OF THE WORK.
8. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DRAWINGS AND CODE REQUIREMENTS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
9. REPOINTING EXISTING MASONRY, JOINT RAKING:
- a. RAKE OUT ERODED MORTAR FROM JOINTS TO DEPTHS EQUAL TO 2½ TIMES THEIR WIDTHS, NOT LESS THAN 1", OR AS DEEP AS REQUIRED TO EXPOSED SOUND, UNWEATHERED MORTAR. REMOVE ALL DETERIORATED EXISTING MORTAR.
 - b. COMPLETELY REMOVE MORTAR FROM MASONRY SURFACES WITHIN RAKED-OUT JOINTS TO PROVIDED REVEALS WITH SQUARE BACKS AND TO EXPOSE MASONRY FOR CONTACT WITH REPOINTING MORTAR. BRUSH, VACUUM OR FLUSH JOINTS TO REMOVE DIRT AND LOOSE DEBRIS.
 - c. DO NOT SPALL EDGES OF MASONRY UNITS OR WIDEN JOINTS. REPLACE ANY MASONRY UNITS WHICH BECOME DAMAGED AT NO COST TO THE OWNER.
 - d. THE REMOVAL OF EXISTING MORTAR SHOULD BE CARRIED OUT WITH CAUTION SO AS NOT FURTHER ENLARGE THE SIZE OF THE MORTAR JOINT OR TO DAMAGE ANY OF THE MASONRY UNITS TO REMAIN. QUALITY CONTROL PROGRAM SHALL INCLUDE PROVISIONS FOR SUPERVISING PERFORMANCE AND PREVENTING DAMAGE DUE TO WORKER FATIGUE.
10. JOINT REPOINTING:
- a. RINSE MASONRY JOINT SURFACES WITH WATER TO REMOVE ANY DUST AND MORTAR PARTICLES. TIME APPLICATION OF RINSING SO THAT, AT TIME OF POINTING, EXCESS WATER HAS EVAPORATED OR RUN OFF, AND JOINT SURFACES ARE DAMP BUT FREE OF STANDING WATER. MASKING AROUND JOINTS IS PERMITTED IN ORDER TO REDUCE SOILING OF MASONRY FACE.
 - b. APPLY FIRST LAYER OF POINTING MORTAR TO AREAS WHERE EXISTING MORTAR WAS REMOVED TO DEPTHS GREATER THAN SURROUNDING AREAS. APPLY IN LAYERS NOT GREATER ¼" UNTIL A UNIFORM DEPTH IS FORMED. COMPACT EACH LAYER THOROUGHLY AND ALLOW TO BECOME THUMBPRINT HARD BEFORE APPLYING NEXT LAYER.
 - c. DO NOT ALLOW MORTAR TO LAP OVER INTO VERTICAL SURFACE.
 - d. AFTER JOINTS HAVE BEEN FILLED TO A UNIFORM DEPTH, PLACE REMAINING POINTING MORTAR IN 3 LAYERS WITH EACH OF FIRST AND SECOND LAYERS FILLING APPROXIMATELY ⅔ OF JOINT DEPTH AND THIRD LAYER THE REMAINING ⅓. FULLY COMPACT EACH LAYER AND ALLOW TO BECOME THUMBPRINT HARD BEFORE APPLYING NEXT LAYER. WHERE EXISTING MASONRY HAS ROUNDED EDGES RECESS FINAL LAYER SLIGHTLY FROM FACE. TAKE CARE NOT TO SPREAD MORTAR OVER EDGES INTO EXPOSED MASONRY SURFACES, OR TO FEATHER-EDGE MORTAR.
 - e. WHEN MORTAR IS THUMBPRINT HARD, TOOL JOINTS TO MATCH ORIGINAL APPEARANCE OF JOINTS, UNLESS OTHERWISE INDICATED. REMOVE EXCESS MORTAR FROM EDGE OF JOINT BY BRUSHING.
 - f. CURE MORTAR BY MAINTAINING IN A DAMP CONDITION FOR NOT LESS THAN 72 HOURS.
11. PROTECT ALL MASONRY SURFACES, FROM DAMAGE OR SOILING, INCLUDING REPAIRED AND CLEANED SURFACES, DURING AND AFTER WORK SO THAT THEY ARE WITHOUT DETERIORATION, OR DAMAGE AT TIME OF SUBSTANTIAL COMPLETION. IF DESPITE SUCH PROTECTION, DAMAGE, DETERIORATION, OR SOILING OCCURS, CUT OUT AND REMOVE DAMAGED OR DETERIORATED AREAS AND REPAIR, OR CLEAN, ACCORDING TO SPECIFICATIONS, TO BE INDISTINGUISHABLE FROM THE ORIGINAL WORK.

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No.	DATE	REVISION	Project No. CLA-4583A	
			Proj. Engineer D.P.H	
			Date: 07/07/18	
			Sheet No.	
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			TOWN OF VOLUNTOWN, CT	
			WYLIE SCHOOL ROAD BRIDGE REPAIRS	
			BRIDGE REPAIR PLAN	