

**GENERAL NOTES:**

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, DATED 2001, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION, DATED 2002, AND ITS LATEST REVISIONS.
- DIMENSIONS, ANGLES, BEARINGS, AND ELEVATIONS OF THE EXISTING BRIDGE SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND LIMITED FIELD INVESTIGATION AND MAY NOT ACCURATELY REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENTS OF ALL EXISTING STRUCTURE COMPONENTS IMPACTED BY THE NEW WORK TO ASSURE CONSISTENCY WITH THE PROPOSED MODIFICATIONS. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER OR EXTENT OF THE EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER BEFORE ADVANCING THE WORK.
- WORKING DRAWINGS REQUIRED FOR VARIOUS ITEMS OF WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS AND SHALL BE SO NOTED.
- ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 68 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE.
- FOR TRAFFIC CONTROL NOTES, SEE SHEET 7.

**CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL USE CAUTION WHEN WORKING AROUND UNDERGROUND AND OVERHEAD UTILITIES.
- THE CONTRACTOR SHALL REVIEW AND UNDERSTAND ALL APPLICABLE ENVIRONMENTAL PERMITS AND ENSURE THAT ALL CONSTRUCTION CONDITIONS ARE MET.
- A THOROUGH INSPECTION BY THE RESIDENT ENGINEER WILL BE MADE OF ALL SUBSTRUCTURE AREAS AT THE TIME OF CONSTRUCTION. AREAS OF CONCRETE FOUND TO BE SPALLED, DELAMINATED OR OTHERWISE UNSOUND WILL BE REPAIRED. THE CONTRACTOR SHALL SUPPLY ANY LABOR, MATERIALS AND EQUIPMENT NECESSARY TO ASSIST THE ENGINEER IN PERFORMING THE INSPECTION. THE COST OF PROVIDING THESE ITEMS AS NEEDED SHALL BE INCLUDED IN THE PAY ITEMS OF SECTION 580 IN THE CONTRACT.
- NO BACKFILL WILL BE PLACED AGAINST ANY STRUCTURAL ELEMENTS UNTIL THE RESIDENT ENGINEER HAS APPROVED THIS WORK.
- THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC EROSION/SEDIMENT CONTROL PLAN WITH A SCHEDULE OF EVENTS. THIS WORK SHALL BE PAID FOR UNDER ITEM 652.10, "EROSION AND SEDIMENT CONTROL PLAN."
- THE CONTRACTOR SHALL LOAM, SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS, EXCEPT ROADWAY AND SHOULDERS PRIOR TO THE COMPLETION OF THE PROJECT.
- BLANK
- THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING TO PREVENT BEAM ROTATION DURING THE DECK PLACEMENT. **POURED BACKWALL PRIOR TO ACCOMPLISH THIS**
- AT STATIONS 2+75.00 TO 2+78.00 RT AND 4+07.00 TO 4+10.00 LT THE CONTRACTOR SHALL GRADE FROM THE BOTTOM OF THE SUBBASE STRAIGHT TO THE SLOPE AND BACKFILL WITH A SUBBASE OF GRAVEL TO ENSURE PROPER DRAINAGE OF EXCAVATED AREAS. THE PAYMENT FOR THESE AREAS SHALL BE UNDER ITEM 203.15, COMMON EXCAVATION AND ITEM 301.15, SUBBASE OF GRAVEL.
- THE CONTRACTOR SHALL BE AWARE OF ALL SANITARY SEWER LINES THAT ARE KNOWN TO EXIST IN THE APPROACHES. ALL SANITARY SEWER LINES SHALL REMAIN UNDISTURBED. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS OF REPAIR DUE TO DAMAGE DURING CONSTRUCTION
- THE TOWN OF BRATTLEBORO WILL BE RESPONSIBLE FOR CHANGING THE ELEVATION OF ALL EXISTING SANITARY MANHOLES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE MUNICIPAL PROJECT MANAGER EARLY IN THE PROJECT AND DISCUSSING THE SCHEDULING OF THIS WORK AND SHOULD BE RESPONSIBLE FOR PROVIDING ACCESS TO THE SITE FOR THE TOWN.
- ~~EXCAVATION NECESSARY FOR PLACING THE GABION WALL SHALL BE PAID FOR AS ITEM 204.25, STRUCTURE EXCAVATION. EXCAVATION NECESSARY FOR PLACING THE STONE FILL NEAR THE GABION WALL SHALL BE PAID FOR AS ITEM 203.15, COMMON EXCAVATION.~~  
**THIS WASN'T DONE OR USED**

**REMOVAL NOTES:**

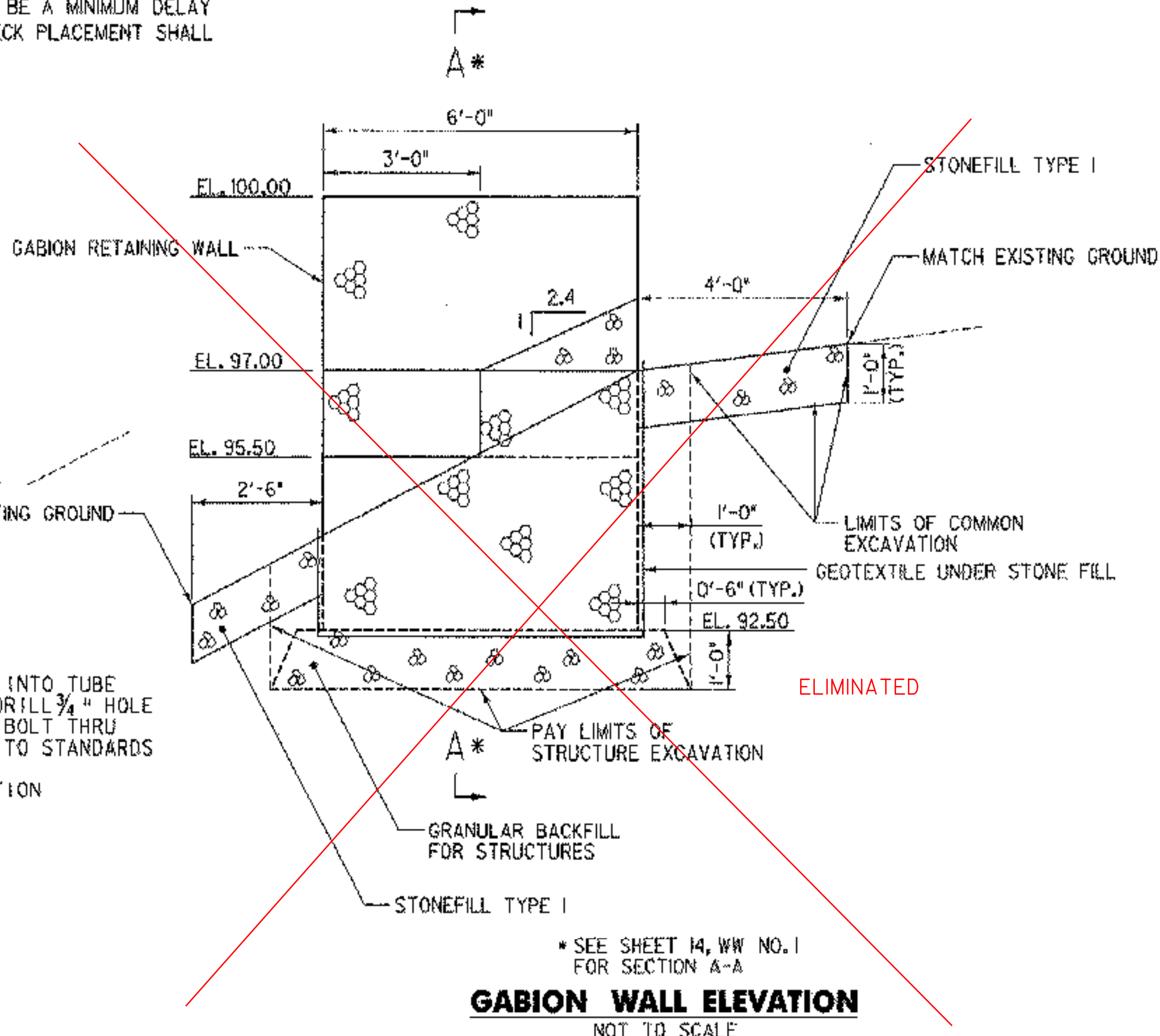
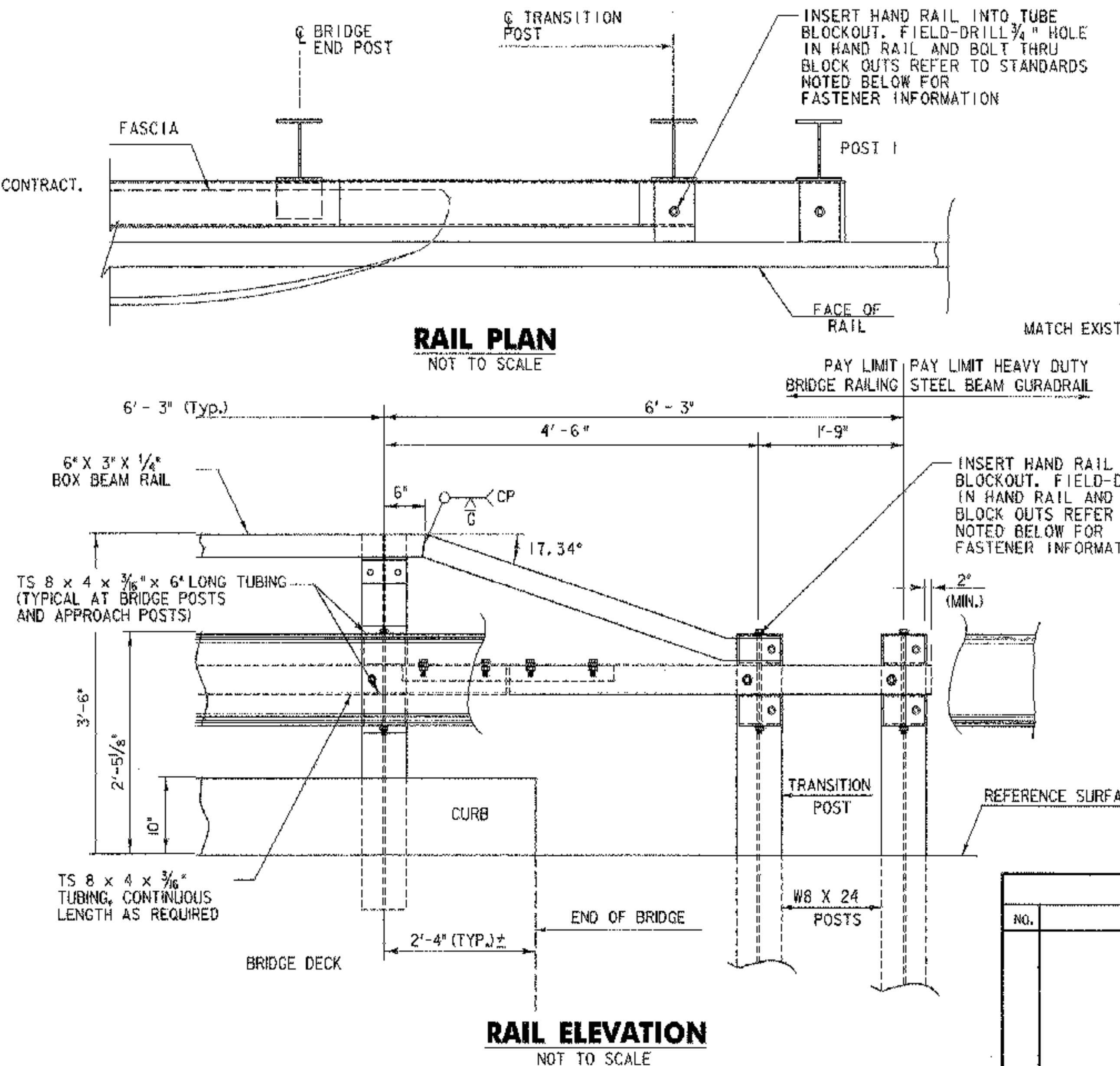
- ITEM 529.20, PARTIAL REMOVAL OF STRUCTURE SHALL INCLUDE REMOVAL OF THE EXISTING BRIDGE RAILING, CONCRETE CURBS AND POSTS, CONCRETE BRIDGE DECK AND CURTAIN WALLS. REMOVAL OF PORTIONS OF THE EXISTING WINGWALLS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER. ERECTION, MAINTENANCE AND REMOVAL OF TEMPORARY STRUCTURES TO PREVENT DEBRIS FROM FALLING INTO THE WHETSTONE BROOK. THE REMOVAL OF THE BRIDGE PAVEMENT SHALL BE UNDER ITEM 529.10, "REMOVAL OF BRIDGE PAVEMENT".
- LIMITS OF WINGWALL REMOVAL ARE APPROXIMATE. THE RESIDENT ENGINEER SHALL ESTABLISH ACTUAL LIMITS AFTER A COOPERATIVE INSPECTION BY THE CONTRACTOR AND THE RESIDENT ENGINEER. EXISTING ELEVATIONS SHALL BE FIELD VERIFIED TO ENSURE THAT THE REMOVAL LIMITS ARE ADEQUATE TO OBTAIN THE REQUIRED DIMENSIONS AND ELEVATIONS OF THE NEW CONSTRUCTION.
- SAWCUTS SHALL BE ONE INCH DEEP ALONG ALL EXPOSED REMOVAL LINES WHERE NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE. ALL COSTS SHALL BE INCLUDED IN ITEM 529.20, PARTIAL REMOVAL OF STRUCTURE.
- EXISTING REINFORCING STEEL EXPOSED DURING REMOVAL OPERATIONS, WITHIN THE LIMITS OF THE NEW MASONRY, SHALL BE RETAINED AND INCORPORATED INTO THE NEW MASONRY. EXISTING REINFORCING STEEL TO BE RETAINED SHALL BE CLEANED OF ALL CONCRETE, DIRT, DETRIMENTAL SCALE, PAINT, OIL, AND OTHER FOREIGN SUBSTANCES. ALL COSTS SHALL BE INCLUDED IN ITEM 529.20, PARTIAL REMOVAL OF STRUCTURE.

**CONCRETE NOTES:**

- CONCRETE PAYMENT AND CLASSIFICATION SHALL BE AS FOLLOWS:  
ITEM 501.33, "CONCRETE, HIGH PERFORMANCE CLASS A"; DECK, CURTAIN WALLS AND BRUSH CURBS  
ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B"; WINGWALLS
- ITEM 514.10, WATER REPELLENT, SHALL BE APPLIED TO ALL EXPOSED CONCRETE ON THE BRIDGE SUPERSTRUCTURE, EXCEPT THE BOTTOM OF THE DECK BETWEEN THE DRIP NOTCHES. WATER REPELLENT SHALL ALSO BE APPLIED TO THE EXPOSED CONCRETE ON THE EXISTING ABUTMENTS AND NEW WINGWALL CAPS.
- ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED INCH BY INCH, UNLESS OTHERWISE NOTED. A ONE-HALF INCH RADIUS SHALL BE USED ON THE TOP INSIDE CORNER OF THE CURBS.
- JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT UNLESS OTHERWISE INDICATED. ANY UPWARD KEY SHALL BE PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
- THE CONCRETE DECK SHALL BE PLACED CONTINUOUSLY WITHIN ONE EIGHT-HOUR WORKING DAY. NO COLD JOINTS WILL BE ALLOWED. IF CIRCUMSTANCES BEYOND THE CONTRACTOR'S CONTROL PREVENT THIS FROM BEING ACCOMPLISHED, A CONSTRUCTION JOINT MAY BE USED. THERE SHALL BE A MINIMUM DELAY PERIOD OF 96 HOURS BETWEEN POURS. CONCRETE DECK PLACEMENT SHALL START FROM THE LOW END.

**REINFORCING STEEL NOTES:**

- REINFORCING STEEL IN THE DECK, CURTAIN WALL, AND BRUSH CURBS SHALL BE EPOXY COATED.
- DRILLING AND GROUTING DOWELS SHALL BE PAID AS ITEM 507.16, DRILLING AND GROUTING DOWELS. ALL DRILLED HOLES SHALL HAVE A MINIMUM OF 6-INCH CLEAR COVER.
- FLAME CUTTING OF EPOXY COATED REINFORCING STEEL SHALL NOT BE PERMITTED.
- MINIMUM CLEAR COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:  
ALONG BACK FACES OF WALLS AGAINST EARTH: 2.0 INCHES  
ALONG TOP SURFACE OF DECK SLAB: 2.5 INCHES  
ALONG BOTTOM SURFACE OF DECK SLAB: 1.5 INCHES  
ELSEWHERE UNLESS OTHERWISE INDICATED: 3.0 INCHES
- REINFORCING STEEL PLACEMENT TOLERANCES SHALL BE:  
SPACING = +1/-1"  
CLEARANCE = +1/-1/4"



**NOTES:**

- SEE VAQT STANDARD SHEET SB-R6-86 AND SB-R7-90 FOR ADDITIONAL DETAILS.
- FIELD DRILLED HOLES IN HAND RAIL SHALL BE GALVANIZED PER ASTM A 760

REVISIONS		
NO.	DESCRIPTION	BY & DATE

**DuBois & King**  
engineering planning management development

<b>STATE OF VERMONT AGENCY OF TRANSPORTATION</b>	
Town Of <b>BRATTLEBORO</b>	Bridge No. <b>34</b>
Highway No. <b>378</b>	Log Sta. Surv. Sta.
<b>TH 378 (WILLIAMS STREET) OVER WHETSTONE BROOK</b>	
<b>CONSTRUCTION NOTES AND DETAILS</b>	
Designed By <b>R. L. JOY</b>	Drawn By <b>S. E. SCHMITT</b>
Checked By <b>J. W. TUCKER</b>	Bridge Design Supervisor
Date <b>04/01</b>	Date <b>04/01</b>
PROJECT <b>BRATTLEBORO</b>	PROJECT NO. <b>BHF 2000(22)</b>
I.G.C. Info. <b>...zj228bdr.dgn</b>	
D & K DWG NO. <b>11374</b>	Sheet <b>9 of 20</b>