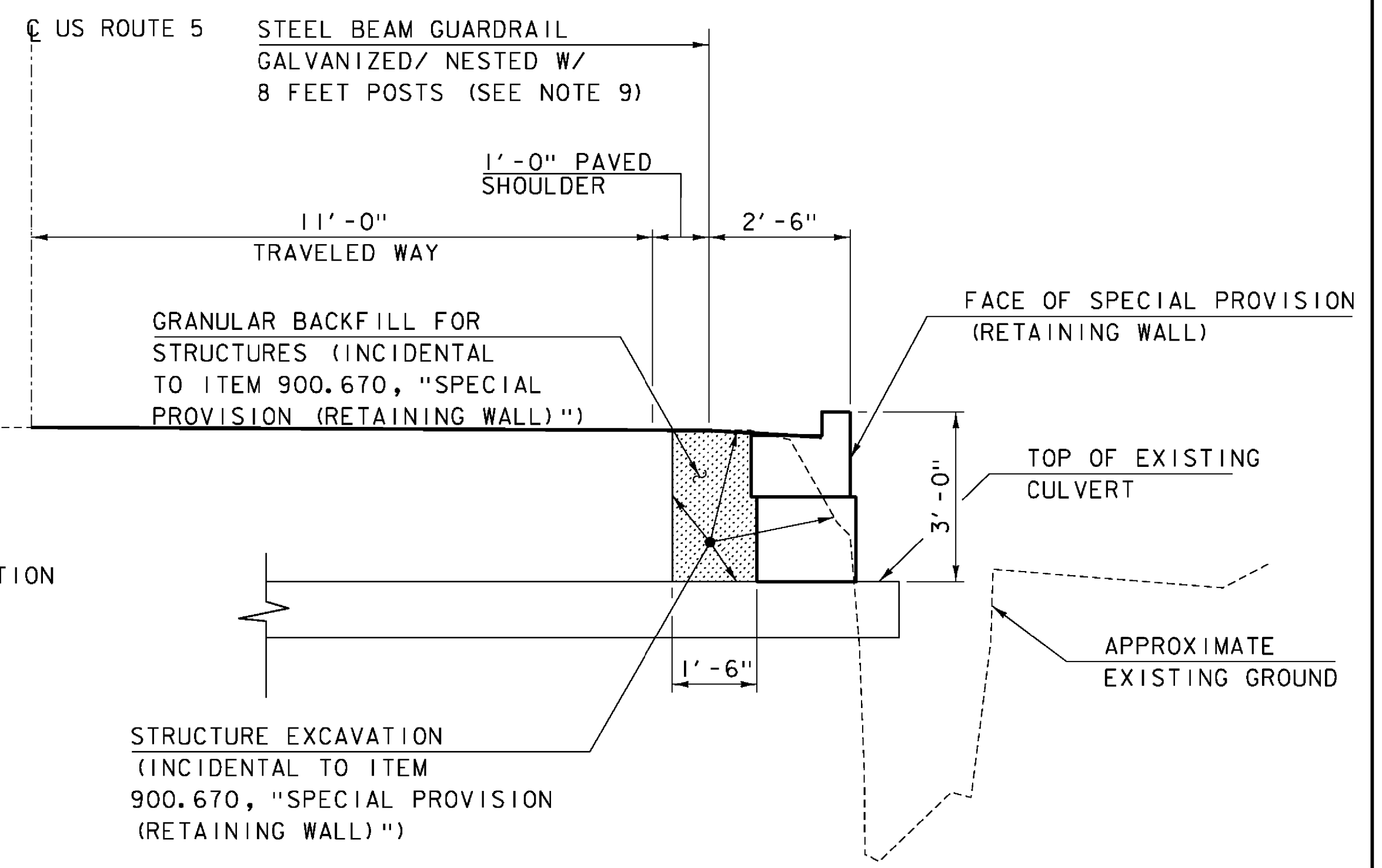
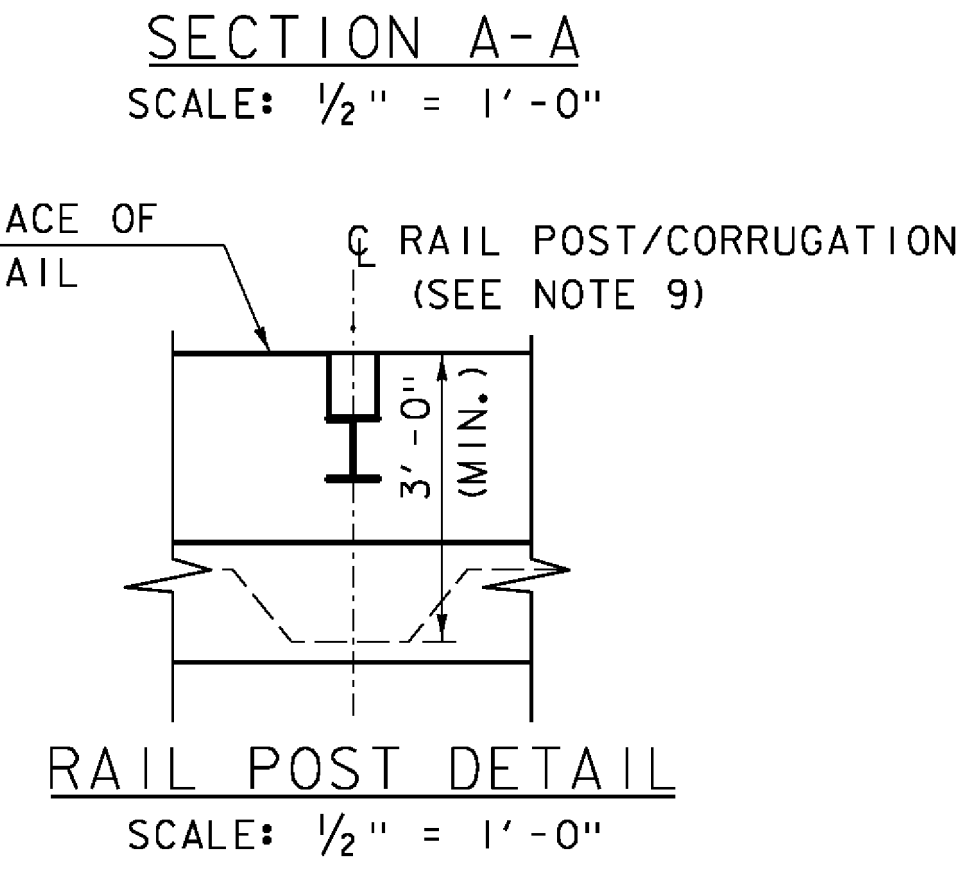
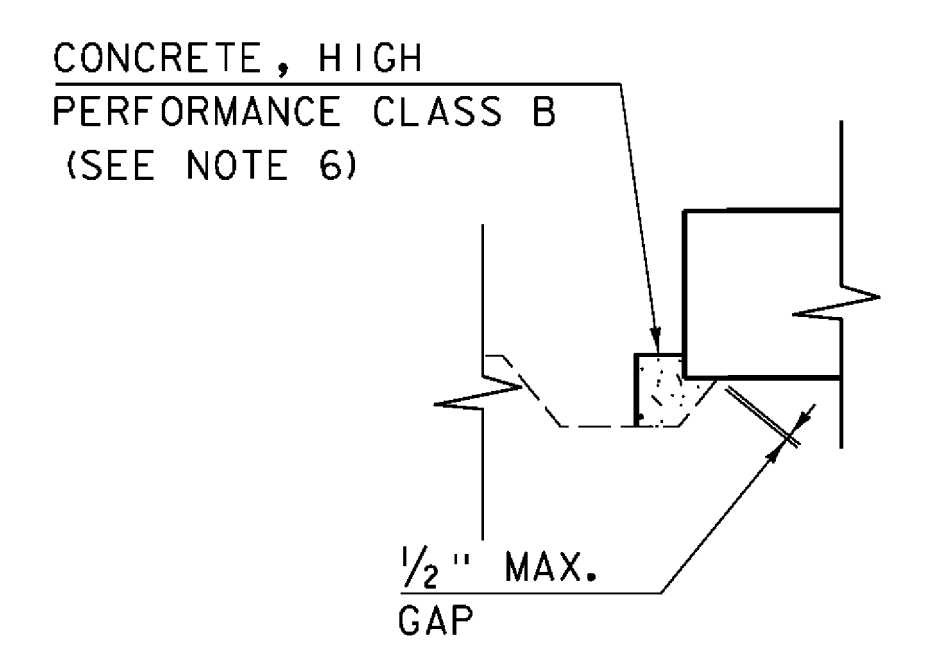


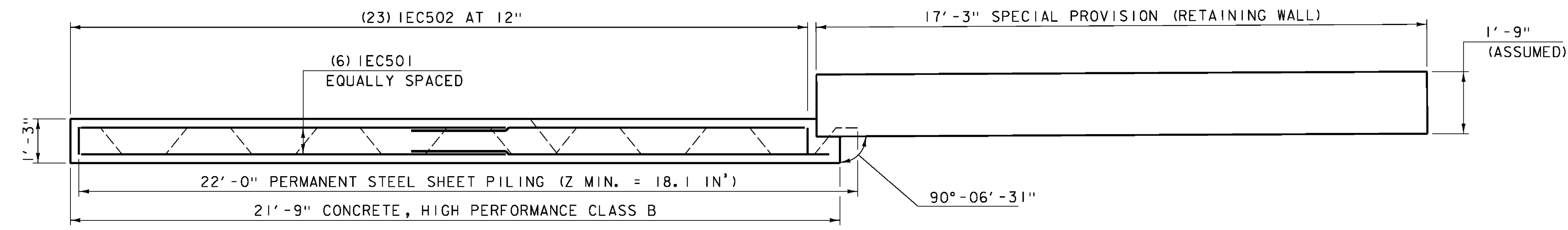
**TYPICAL SECTION AT PERMANENT STEEL SHEET PILING**  
 (STA. N 515+19.61 RT TO STA. N 515+29.55 RT)  
 SCALE: 1/2" = 1'-0"



**TYPICAL SECTION AT SPECIAL PROVISION (RETAINING WALL)**  
 (STA. N 515+29.55 RT TO STA. N 515+46.75 RT)  
 SCALE: 1/2" = 1'-0"

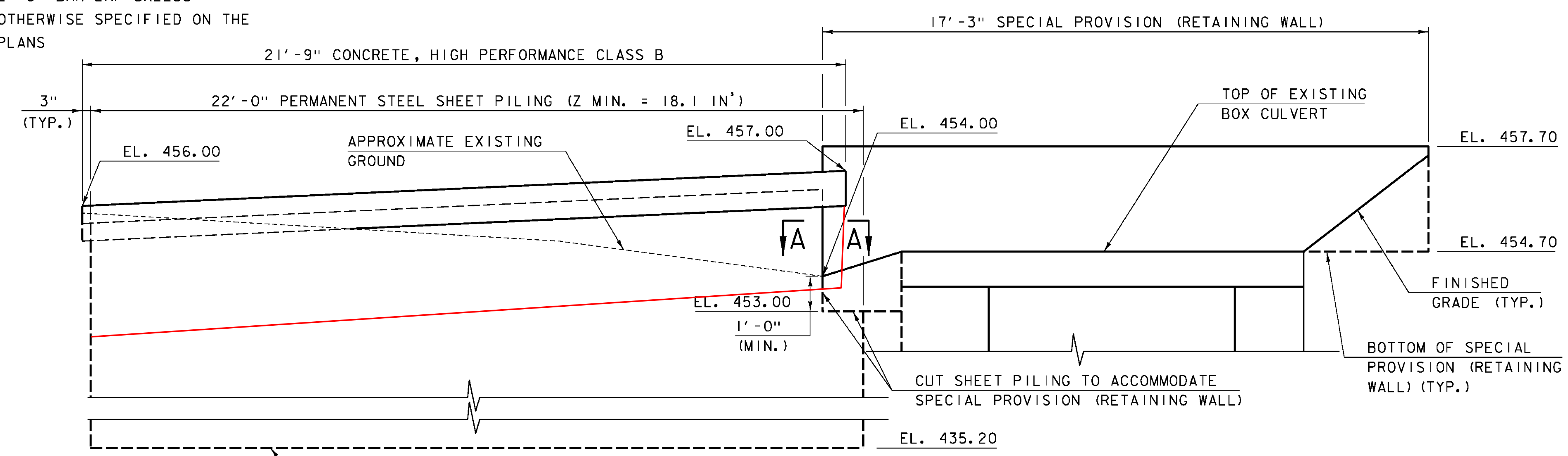
**NOTES:**

1. ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR CONCRETE, HIGH PERFORMANCE CLASS B. THE CONTRACTOR SHALL PROVIDE TESTING EQUIPMENT FOR CONCRETE IN ACCORDANCE WITH SUBSECTION 631.05.
2. ALL REINFORCING STEEL SHALL BE LEVEL 1 - EPOXY COATED AND MEET THE REQUIREMENTS OF SECTION 507. LEVEL 1 - EPOXY COATED REINFORCEMENT IS DESIGNATED BY AN "E" IN THE BAR MARK PREFIX.
3. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE "CONCRETE REINFORCING STEEL INSTITUTE".
4. TEST BARS SHALL BE PROVIDED IN ACCORDANCE WITH THE "VERMONT AGENCY OF TRANSPORTATION MATERIALS SAMPLING MANUAL" AVAILABLE ON THE AGENCY WEBSITE.
5. THE PERMANENT STEEL SHEET PILING WILL BE PAID FOR UNDER ITEM 505.35, "PERMANENT STEEL SHEET PILING (Z MIN. = 18.1 IN)". PZ 22 SHEETS, OR SHEETS THAT MEET THE SAME DESIGN REQUIREMENTS FOR SECTION MODULUS AND MATCH POST SPACING, SHALL BE UTILIZED.
6. THE CAST-IN-PLACE CONCRETE WALL CAP ON THE PERMANENT STEEL SHEET PILE WALL WILL BE PAID FOR UNDER ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B".
7. THE RETAINING WALL ON TOP OF THE EXISTING BOX CULVERT WILL BE PAID FOR UNDER ITEM 900.670, "SPECIAL PROVISION (RETAINING WALL)".
8. ANY GAP BETWEEN THE SHEET PILE WALL AND THE SPECIAL PROVISION (RETAINING WALL) SHALL BE SEALED WITH ITEM 501.34, "CONCRETE, HIGH PERFORMANCE CLASS B" AND SHALL EXTEND FROM THE BOTTOM OF THE SPECIAL PROVISION (RETAINING WALL) TO THE TOP OF THE PERMANENT STEEL SHEET PILING.
9. THE SPECIAL PROVISION (RETAINING WALL) SHALL HAVE A MINIMUM 1'-0" OF EMBEDMENT BELOW FINISHED GRADE OFF THE EXISTING CULVERT.
10. EXTREME CARE SHALL BE TAKEN NOT TO DAMAGE THE EXISTING CULVERT AND WINGWALLS, PARTICULARLY THE WINGWALL FOOTING, DURING CONSTRUCTION OPERATIONS. ANY DAMAGES TO THE EXISTING STRUCTURE DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. SEE RAIL POST LAYOUT ON BRIDGE 109 GUARDRAIL DETAIL SHEET.



**RETAINING WALL PLAN**  
 SCALE: 1/2" = 1'-0"

- NOTES:**  
 3" CLEAR, UNLESS OTHERWISE SPECIFIED ON THE THE PLANS.  
 2'-8" BAR LAP UNLESS OTHERWISE SPECIFIED ON THE PLANS



**RETAINING WALL ELEVATION**  
 SCALE: 1/2" = 1'-0"

PROJECT NAME:	BRADFORD-RYEGATE
PROJECT NUMBER:	STP 2929(I)
FILE NAME:	z10c264sub.dgn
PROJECT LEADER:	P. SHEDD
DESIGNED BY:	S. BEAUMONT
RETAINING WALL DETAILS SHEET	
PLOT DATE:	2/4/2016
DRAWN BY:	M. SMITH
CHECKED BY:	J. BYATT
SHEET	48 OF 239