

NOTES

THE GUARDRAIL ANCHOR ASSEMBLY SHALL CONSIST OF A 1/4" HOLD DOWN PLATE AND 7 - 7/8" Ø BOLTS WITH NUTS AND WASHERS.

THE HOLD-DOWN PLATE SHALL CONFORM TO AASHTO M270 GRADE 36. AFTER FABRICATION, THE HOLD-DOWN PLATE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M11.

BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. (AT THE CONTRACTOR'S OPTION, STAINLESS STEEL BOLTS, NUTS AND WASHERS MAY BE USED AS AN ALTERNATE FOR THE 7/8" Ø GALVANIZED BOLTS, NUTS AND WASHERS. THEY SHALL CONFORM TO OR EXCEED THE MECHANICAL REQUIREMENTS OF ASTM A307. THE USE OF THIS ALTERNATE SHALL BE APPROVED BY THE ENGINEER.)

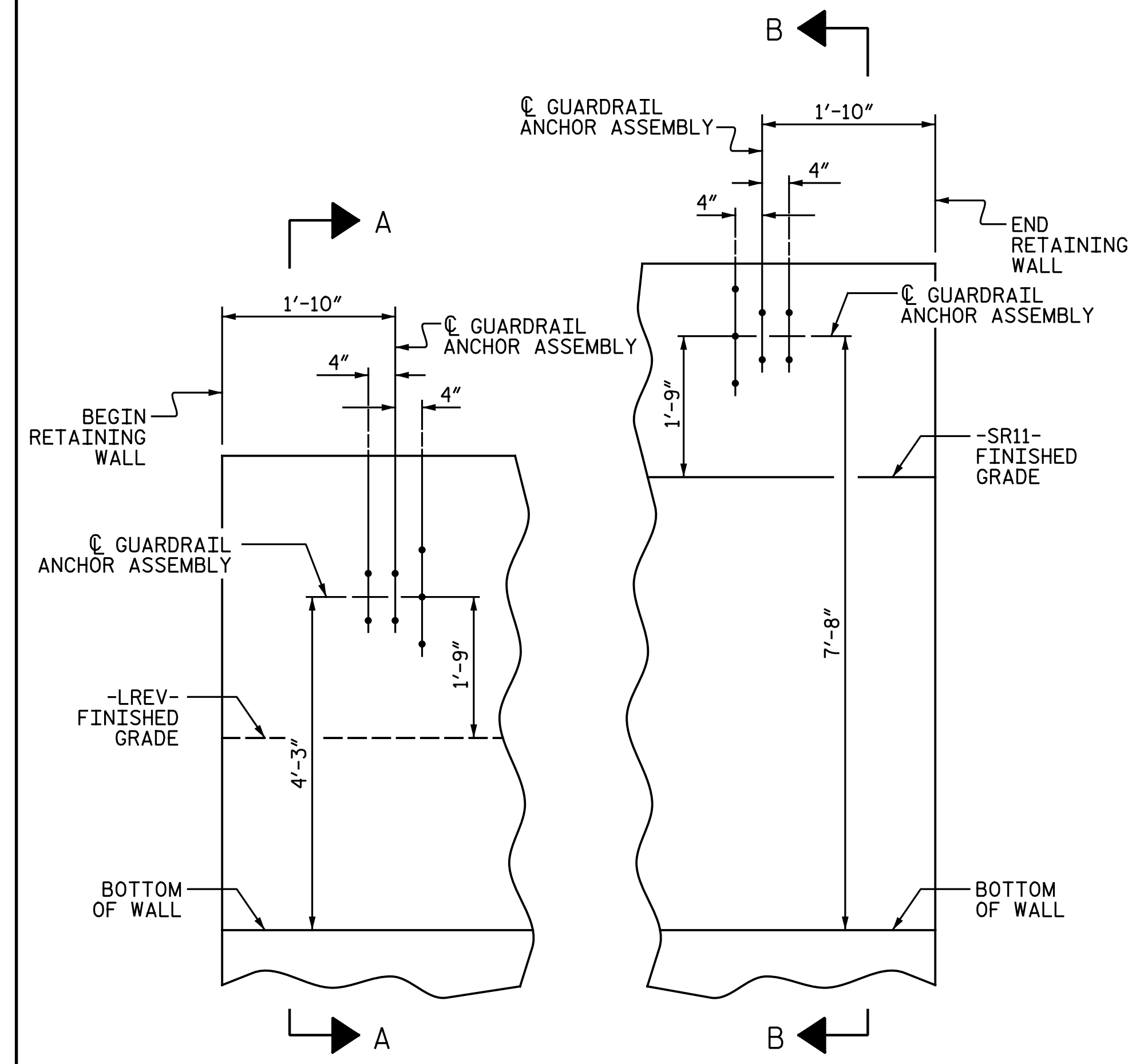
THE GUARDRAIL ANCHOR ASSEMBLY IS REQUIRED WHERE APPROACH GUARDRAIL IS TO BE ATTACHED TO THE BEGINNING AND END OF RETAINING WALL.

AFTER INSTALLATION, THE EXPOSED THREAD OF THE BOLT SHALL BE BURRED WITH A SHARP POINTED TOOL.

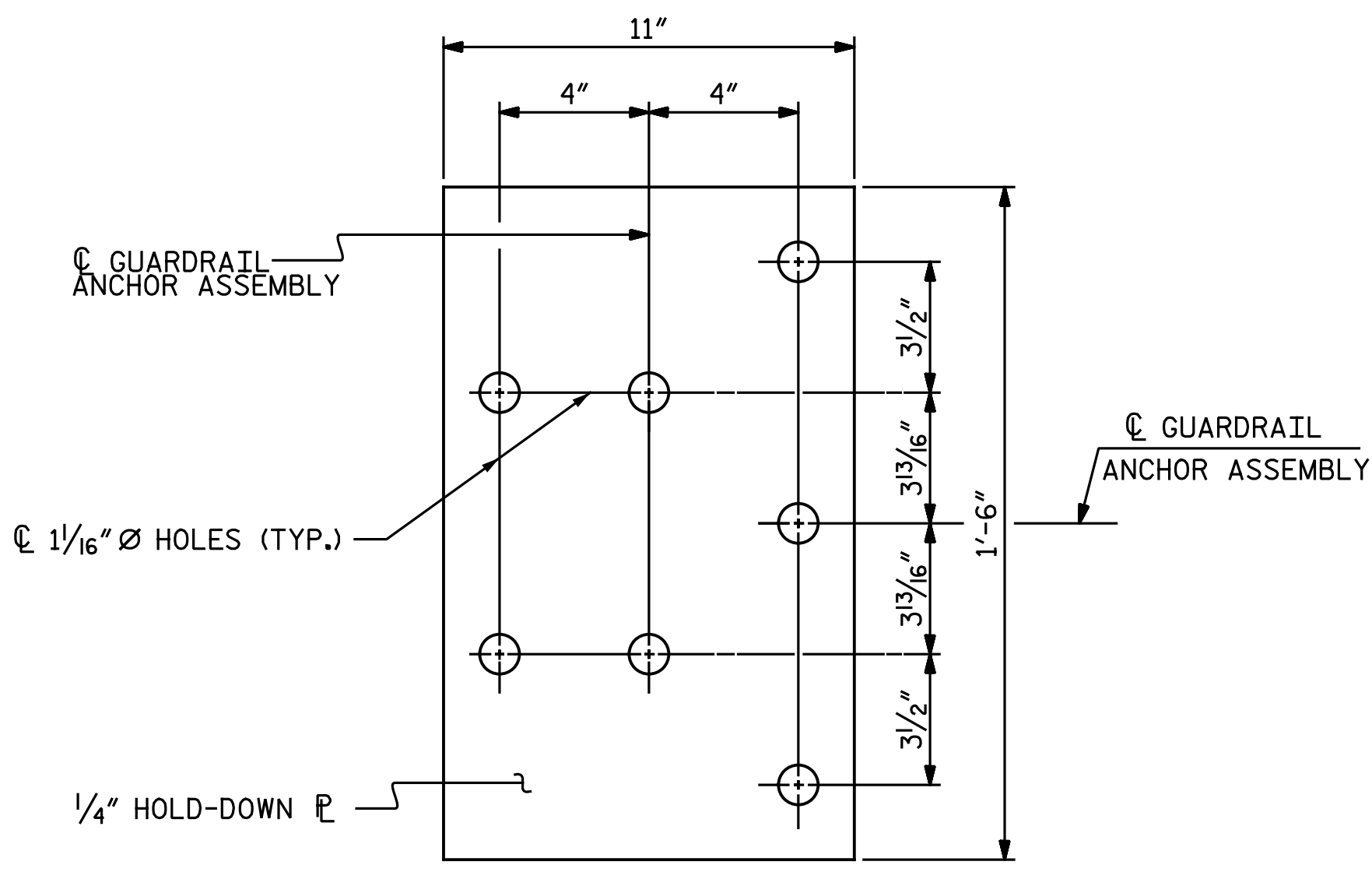
THE COST OF THE GUARDRAIL ANCHOR ASSEMBLY SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR CIP GRAVITY RETAINING WALL.

THE VERTICAL AND HORIZONTAL REINFORCING BARS MAY BE SHIFTED SLIGHTLY IN THE RETAINING WALL TO CLEAR ASSEMBLY BOLTS.

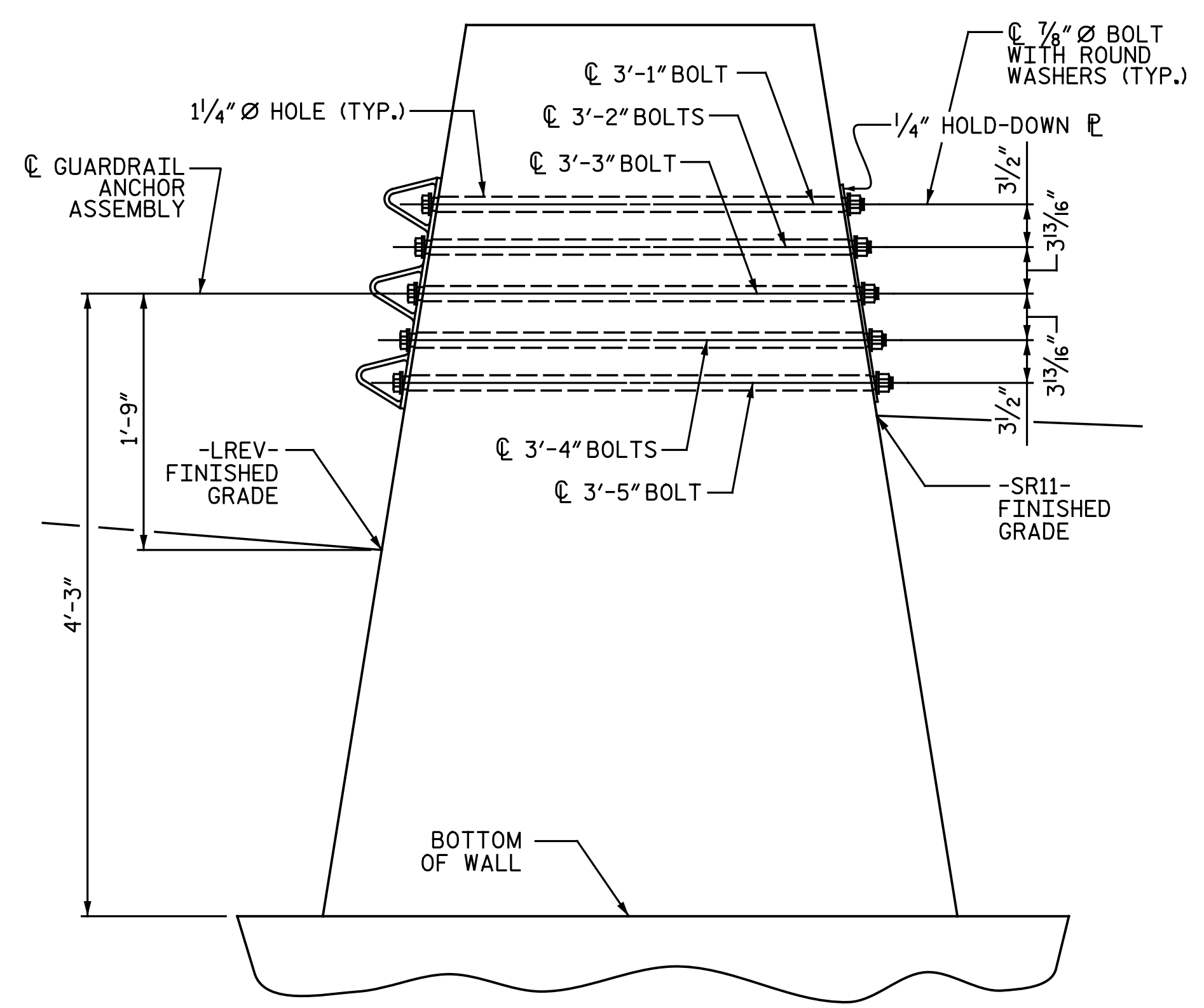
THE 1 1/4" Ø HOLES SHALL BE FORMED OR DRILLED WITH A CORE BIT. IMPACT TOOLS WILL NOT BE PERMITTED. ANY CONCRETE DAMAGED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.



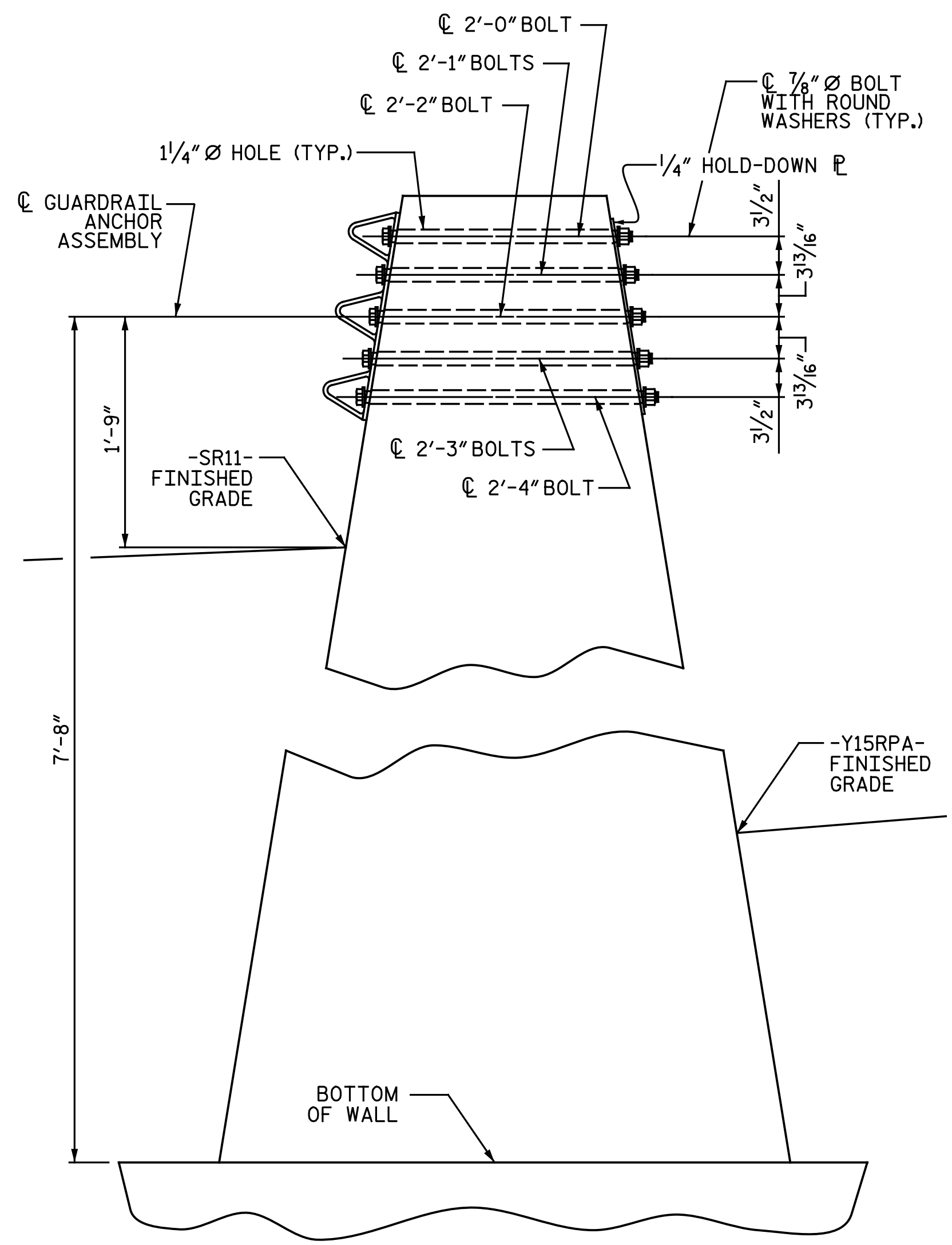
ELEVATION



PLAN



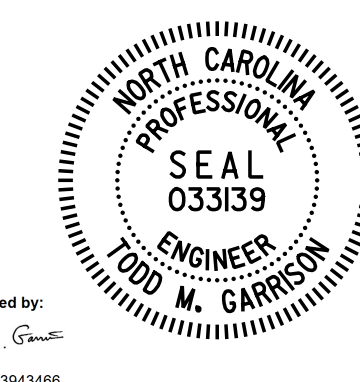
SECTION A-A



SECTION B-B

GUARDRAIL ANCHOR ASSEMBLY DETAILS

PROJECT NO. I-5878  
HARNETT COUNTY  
 STATION: 10+00.00 -WL7-



DocuSigned by:  
 Todd M. Garrison  
 61EAF7523943466  
 4/28/2021

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

GUARDRAIL ANCHORAGE  
 DETAILS  
 FOR RETAINING WALL

DRAWN BY : M. D. MAYHEW DATE : 4-20-21  
 CHECKED BY : J. M. GARRISON DATE : 4-21-21

REVISIONS		SHEET NO.	
NO.	BY:	DATE:	NO.
1			3
2			4

Michael Baker International  
 Michael Baker Engineering  
 8000 Regency Parkway, Suite 600  
 Cary, North Carolina 27518  
 NC License No. : F-1084

W-28  
 TOTAL SHEETS  
 28