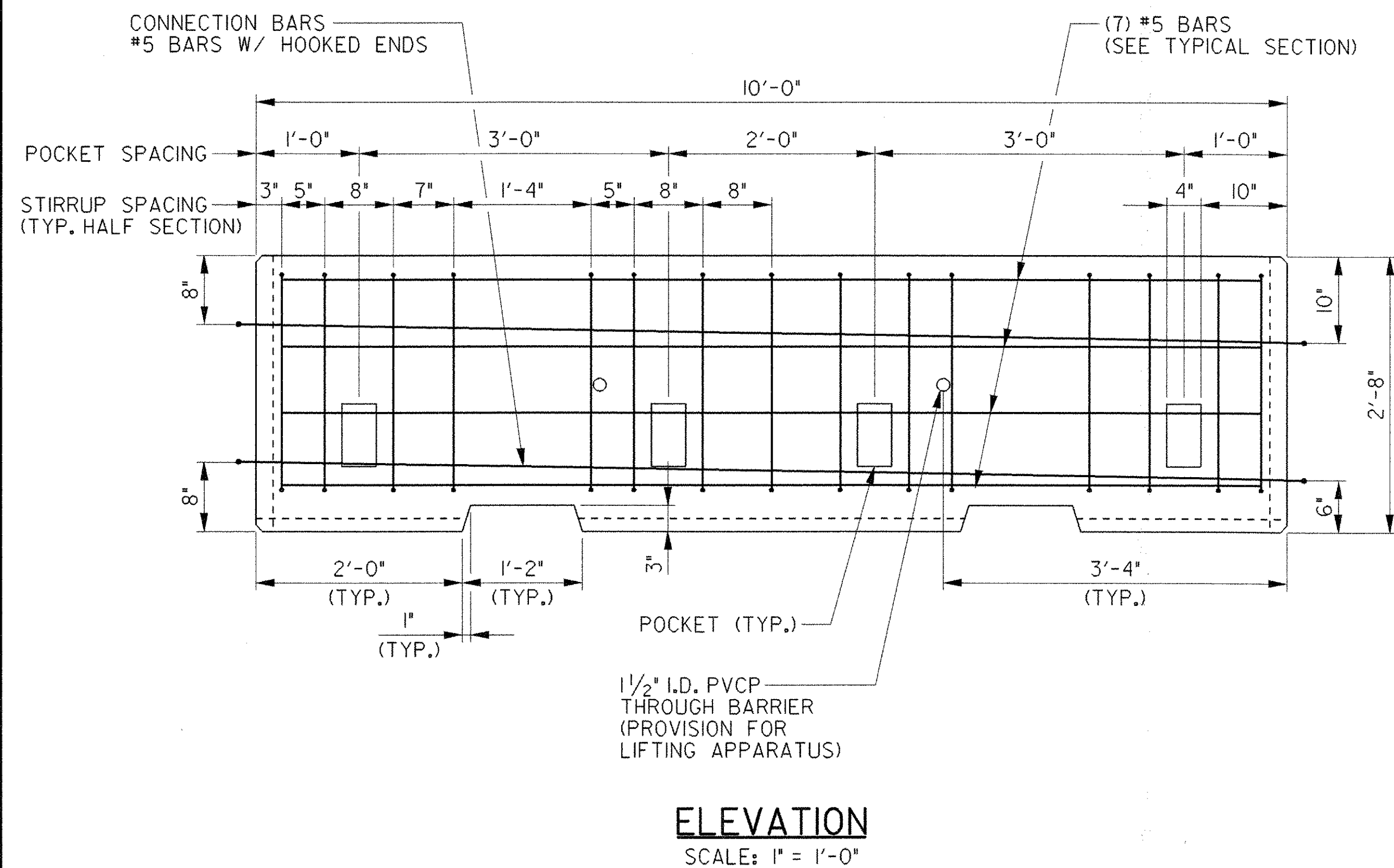
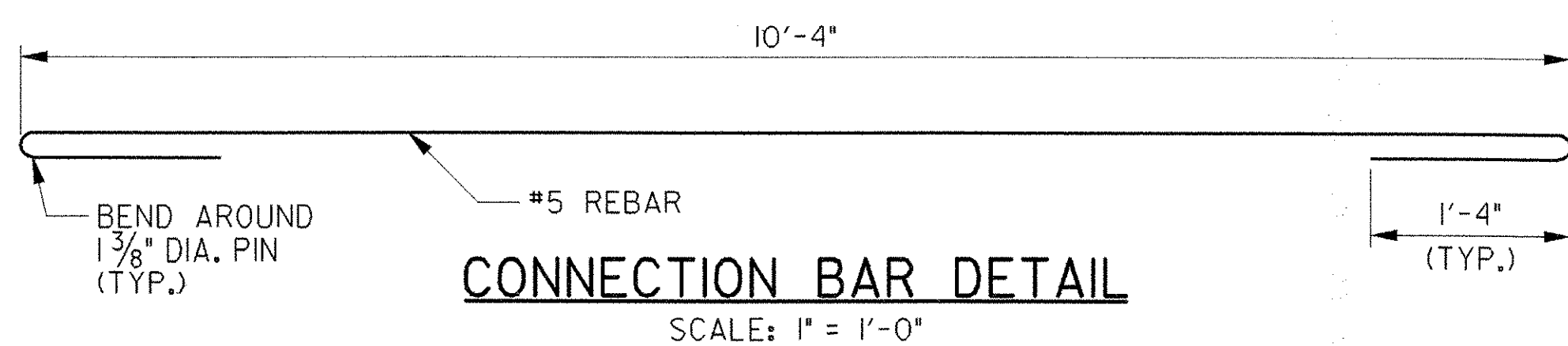
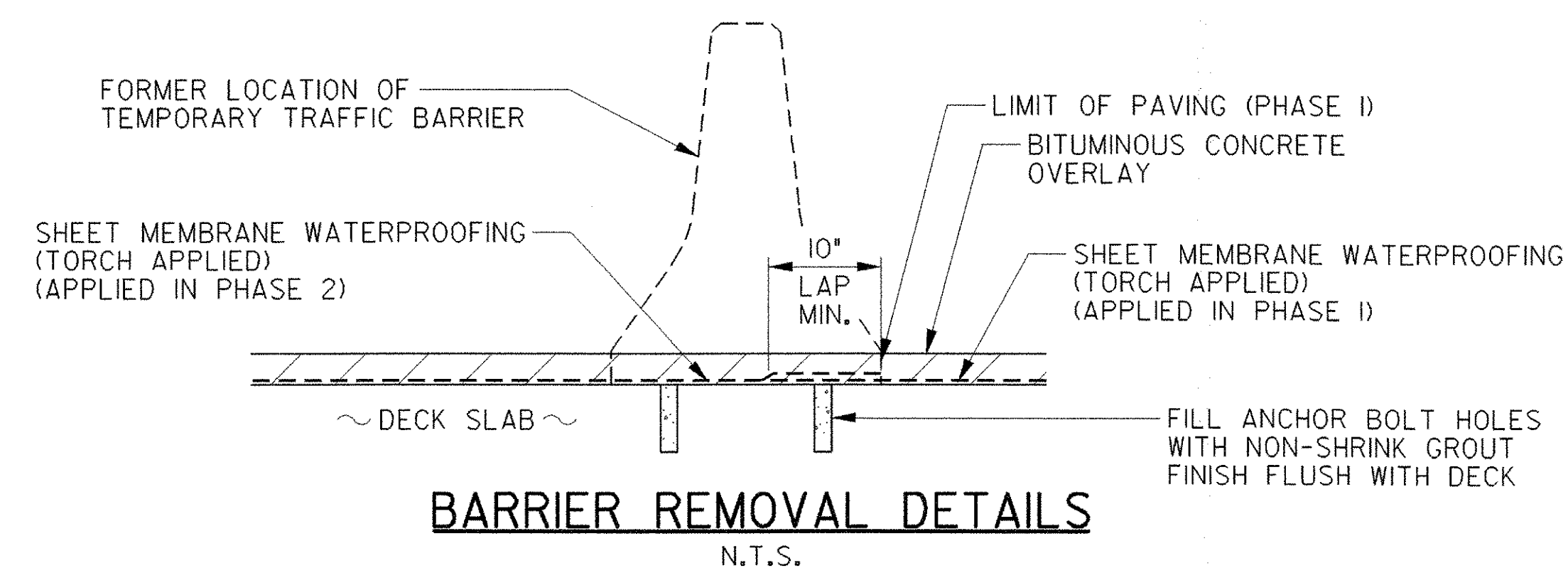
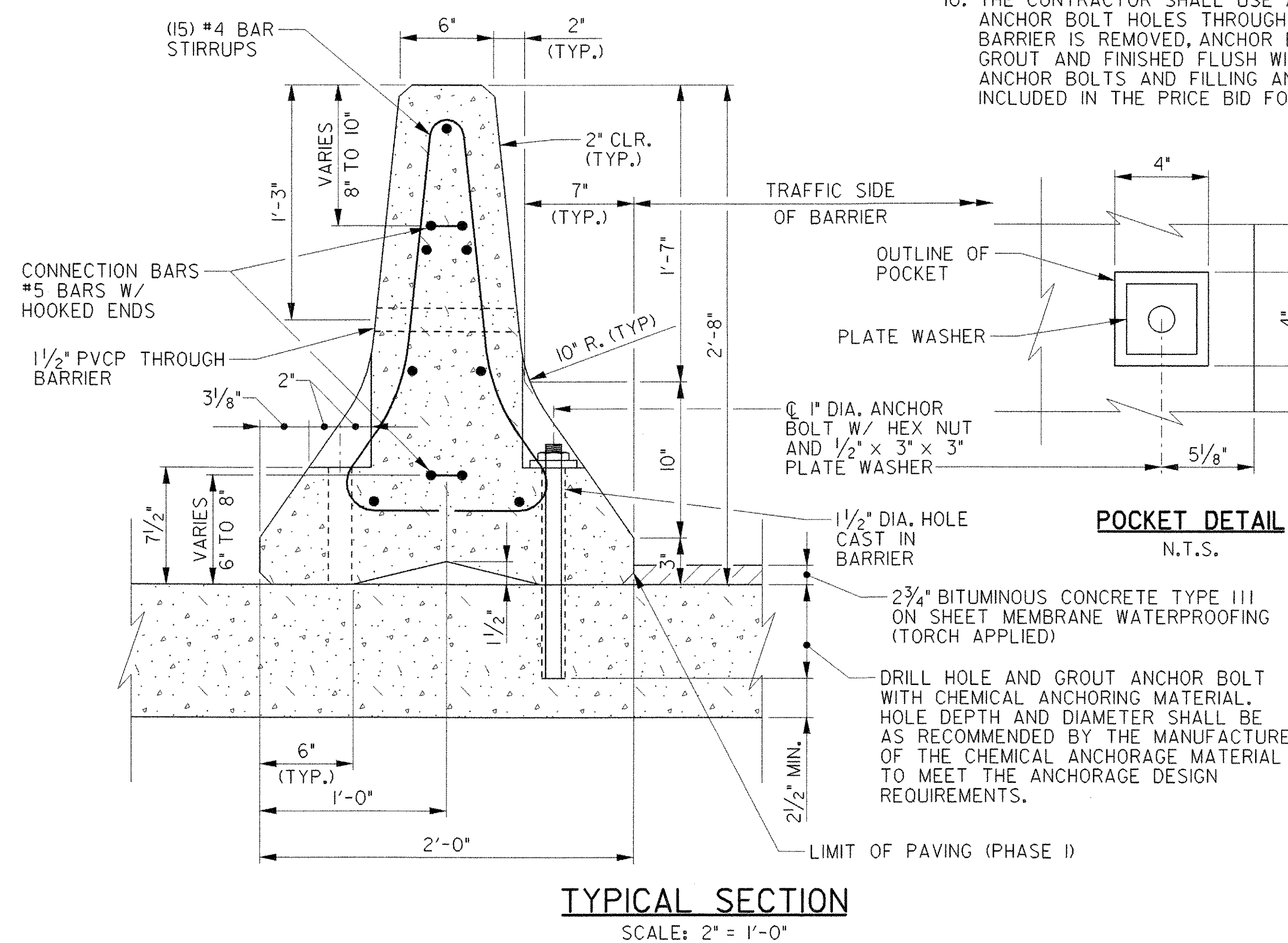


**NOTES**

1. THESE TEMPORARY CONCRETE BARRIER DETAILS SHALL BE USED TO ATTACH THE BARRIER SECURELY TO THE DECK SLAB.
2. ALL CONCRETE SHALL BE CLASS A.
3. ALL REINFORCING STEEL SHALL BE UNCOATED AND CONFORM TO AASHTO M31/M31M, GRADE 60.
4. THE ANCHOR BOLTS SHALL BE FULLY THREADED RODS AND CONFORM TO THE REQUIREMENTS OF ASTM A449. THE NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291/M291M. THE PLATE WASHER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M293M.
5. THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M232/M232M. THE ANCHOR BOLTS SHALL BE TREATED WITH A RESIN COATING THAT WILL ALLOW THE BOLTS TO BE REMOVED AFTER GROUTING WITH CHEMICAL GROUTING MATERIAL.
6. THE ANCHORAGE OF THE BARRIER TO THE DECK SHALL BE DESIGNED BY THE CONTRACTOR. EACH ANCHOR BOLT SHALL BE CAPABLE OF SAFELY RESISTING A TRANSVERSE SHEAR OF 6000 LBS. AND A TENSILE FORCE OF 12,000 LBS.
7. ALTERNATE ANCHORAGE DESIGNS FOR THE BARRIER MAY BE SUBMITTED TO THE ENGINEER IN ACCORDANCE WITH SUBSECTION 621.05(1).
8. REFLECTORS SHALL BE INSTALLED ON THE SIDE OF THE TEMPORARY TRAFFIC BARRIER. WHEN PLACED ON THE DRIVERS LEFT SIDE, THE REFLECTORS SHALL BE YELLOW. THE REFLECTORS SHALL BE WHITE WHEN PLACED ON THE DRIVERS RIGHT SIDE. THE REFLECTORS SHALL BE INSTALLED AT A HEIGHT OF 21 INCHES AT 20 FOOT INTERVALS AND SHALL BE AT LEAST 9 SQUARE INCHES. THE REFLECTORS SHALL MEET THE REQUIREMENTS FOR SUBSECTION 751.02. THE REFLECTORS SHALL BE INSTALLED ON BOTH SIDES WHEN PLACED IN THE MEDIAN AND IN ALL CASES SHALL BE FIRMLY ATTACHED TO THE SIDE OF THE BARRIER. THE TYPE OF REFLECTOR AND THE INSTALLATION PROCEDURE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. COST OF FURNISHING AND INSTALLING REFLECTORS SHALL BE INCLUDED IN THE PRICE BID FOR TEMPORARY TRAFFIC BARRIER.
9. CONNECTION RODS SHALL BE THREADED STEEL RODS CONFORMING TO THE REQUIREMENTS OF AASHTO M314 GRADE 55. THE RODS SHALL BE THREADED FOR A MINIMUM OF 4 INCHES ON EACH END. HARDENED STEEL WASHERS SHALL CONFORM TO AASHTO M293M. HEAVY HEX NUTS SHALL CONFORM TO AASHTO M291/M291M, GRADE A AND SHALL BE TAPPED OVERSIZE FOR GALVANIZING. THREADED RODS, WASHERS AND HEAVY HEX NUTS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF CLASS C OF AASHTO M232/M232M.
10. THE CONTRACTOR SHALL USE A PACHOMETER OR OTHER METHOD TO AVOID DRILLING ANCHOR BOLT HOLES THROUGH REINFORCING STEEL. WHEN TEMPORARY TRAFFIC BARRIER IS REMOVED, ANCHOR BOLT HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND FINISHED FLUSH WITH DECK. THE COST OF DRILLING AND GROUTING ANCHOR BOLTS AND FILLING ANCHOR BOLT HOLES WITH NON-SHRINK GROUT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 621.90, "TEMPORARY TRAFFIC BARRIER".



**BARRIER CONNECTION DETAILS**



<b>STATE OF VERMONT AGENCY OF TRANSPORTATION</b>		
Town Of	CAMBRIDGE	Bridge No. 20
Highway No.	VT 15	Log Sta. Surv. Sta.
<b>VT 15 OVER LAMOILLE RIVER TEMPORARY TRAFFIC BARRIER DETAILS</b>		
Designed By	B. W. ERNST	Drawn By J. IVES
Checked By	R. SACCHI	Bridge Design Supervisor R. R. WHITCOMB Date 11/3/2006
PROJECT	CAMBRIDGE	PROJECT NO. BHF 030-2(19)S
I.G.C. Info.		zb314md2.dgn
Bridge Sheet No.		Sheet 26 of 68