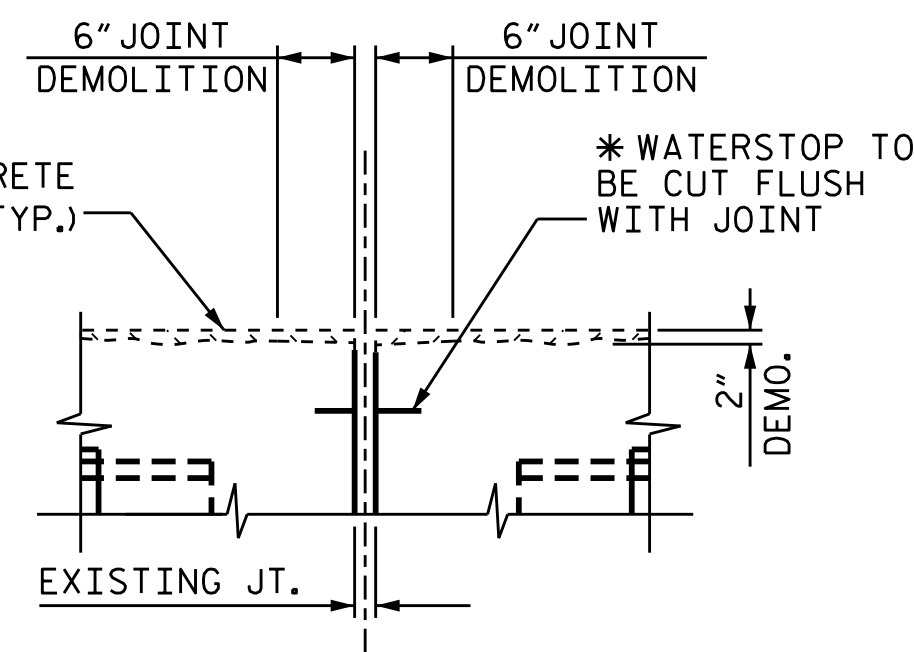
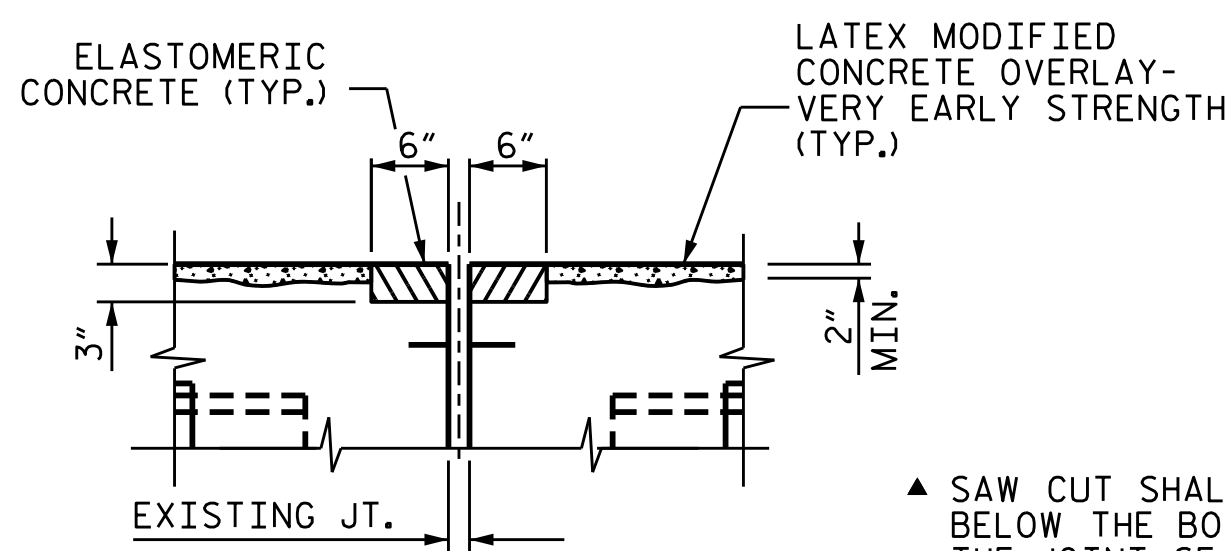


EXISTING JOINT

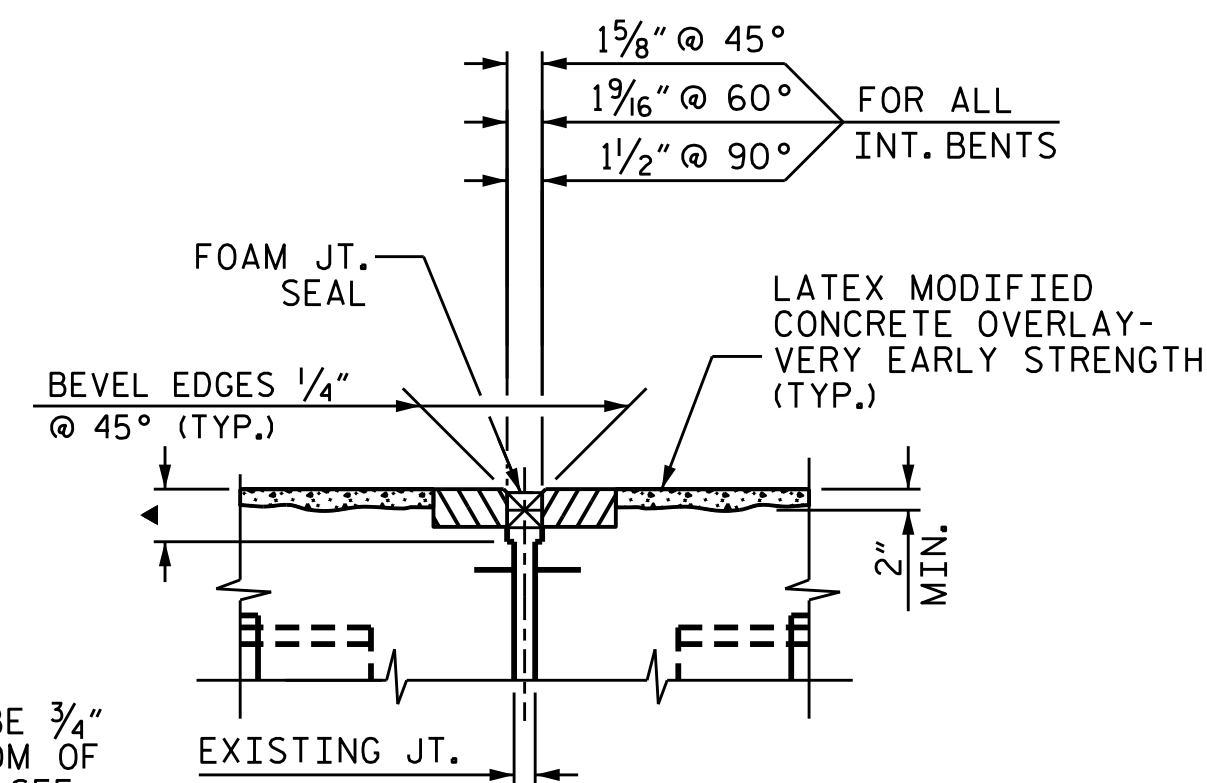


MINIMUM EXISTING JOINT DEMOLITION



PROPOSED JOINT PRE-SAWED DIMENSIONS

▲ SAW CUT SHALL BE 3/4" BELOW THE BOTTOM OF THE JOINT SEAL. SEE MANUFACTURER RECOMMENDATIONS



PROPOSED FOAM JOINT SEAL EXPANSION

FOR BOTH #157 & #158 BRIDGES

**NOTES:**

CONTRACTOR SHALL FIELD VERIFY THE EXISTING FORMED OPENING PRIOR TO OBTAINING JOINT MATERIAL.

IF THE EMBEDDED PORTION OF THE EXISTING PLASTIC WATERSTOP IS EXPOSED DURING REMOVAL OF UNSOUND CONCRETE OR IF UNSOUND CONCRETE IS REMOVED TO WITHIN 2" OF THE WATERSTOP, THE ENTIRE WATERSTOP SHALL BE REMOVED.

HYDRO-DEMOLITION OR EXCAVATION OF CONCRETE AT THE EXISTING JOINT SHALL RESULT IN THE BOTTOM OF THE EXCAVATION BEING REASONABLY FLAT, TO PROVIDE SUFFICIENT SUBSTRATE FOR PLACEMENT AND SUPPORT OF ELASTOMERIC CONCRETE.

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE, SEE SPECIAL PROVISIONS.

RETAIN ALL EXISTING REINFORCING STEEL. CLEAN AND REPAIR AS NEEDED.

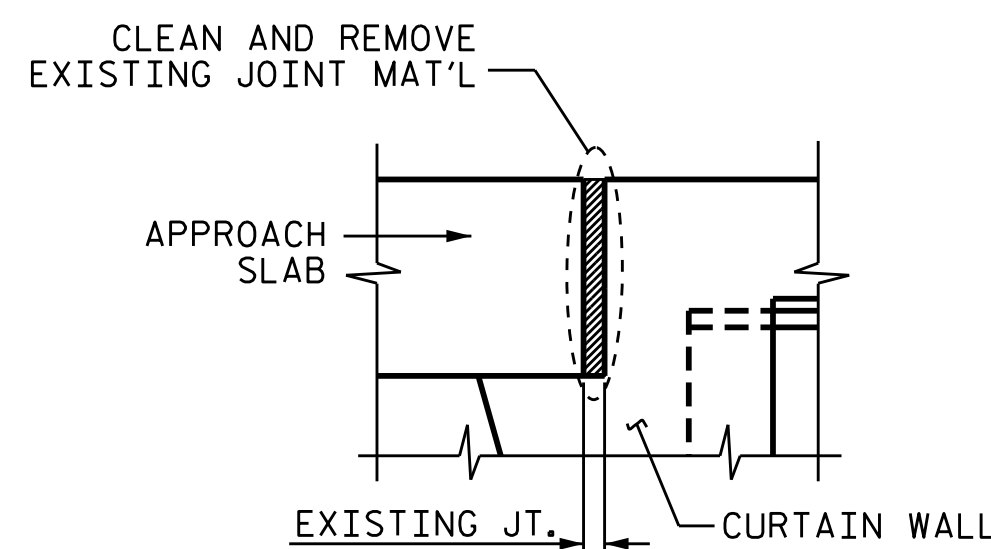
THE WIDTH OF THE UNCOMPRESSED FOAM JOINT MATERIAL SHALL BE 2".

ELASTOMERIC CONCRETE			
	UNIT	BRIDGE 157	BRIDGE 158
BENT 1	CU. FT.	7.0	7.0
BENT 2	CU. FT.	7.0	7.0
BENT 3	CU. FT.	7.0	7.0
BENT 4	CU. FT.	7.0	7.0
* TOTAL	CU. FT.	28.0	28.0

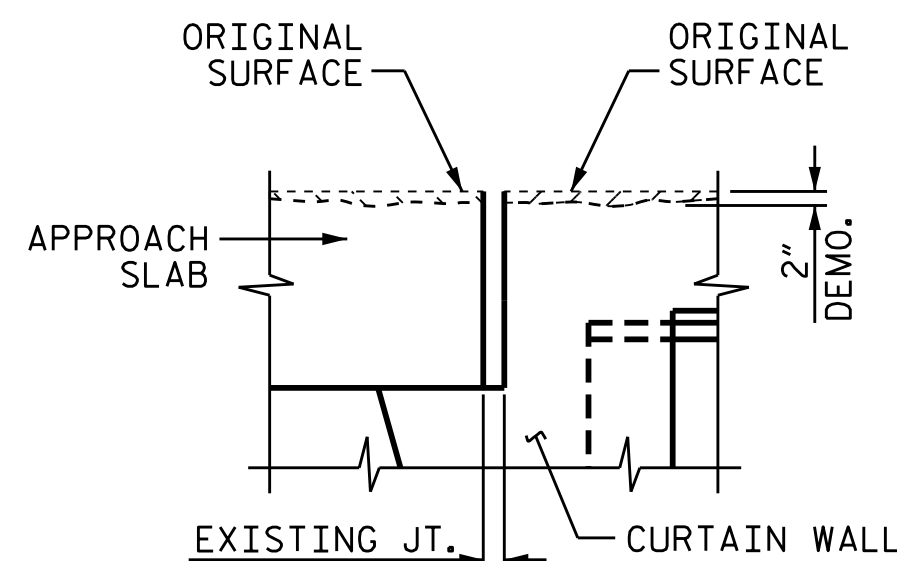
\* BASED ON THE MINIMUM BLOCKOUT SHOWN.

**JOINT INSTALLATION SEQUENCE AT BENTS**

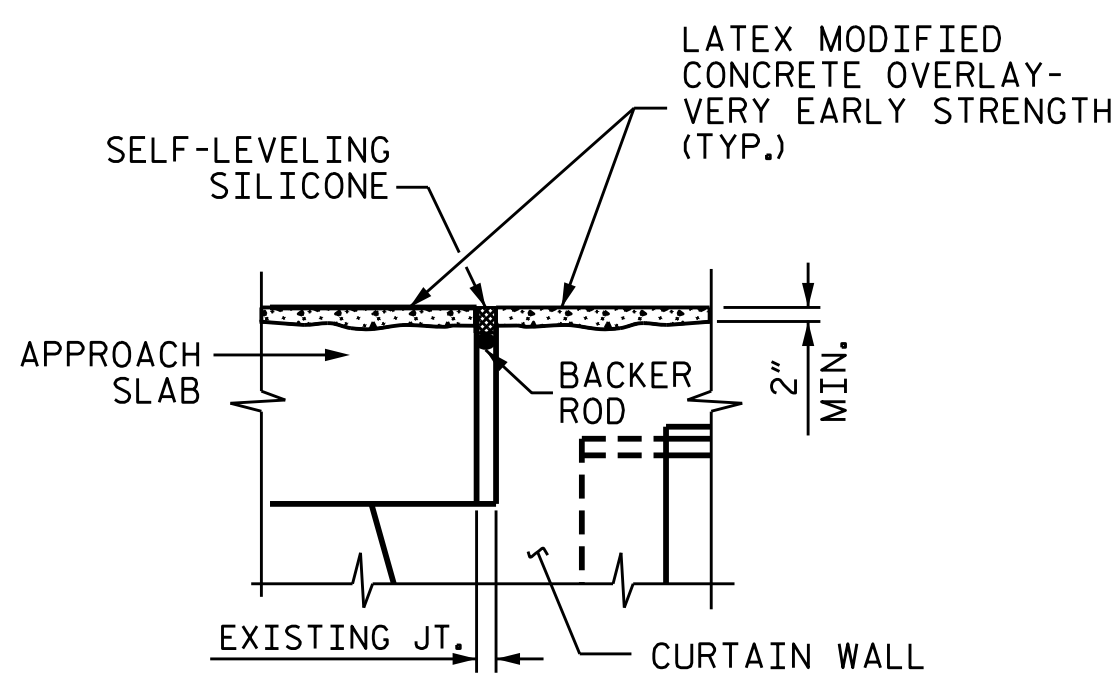
**SECTION B-B**



EXISTING COLD JOINT



MINIMUM EXISTING JOINT DEMOLITION

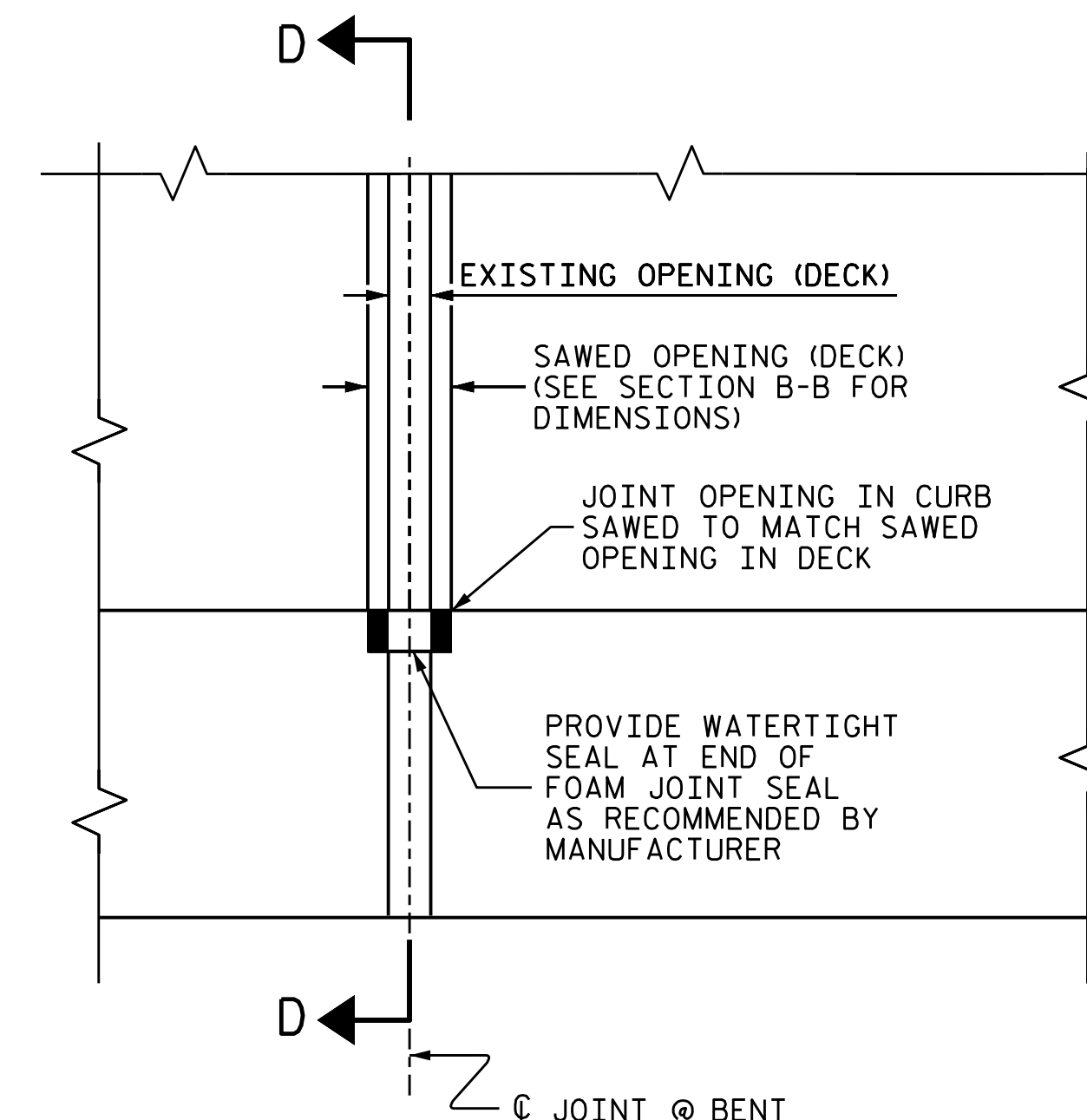


PROPOSED JOINT

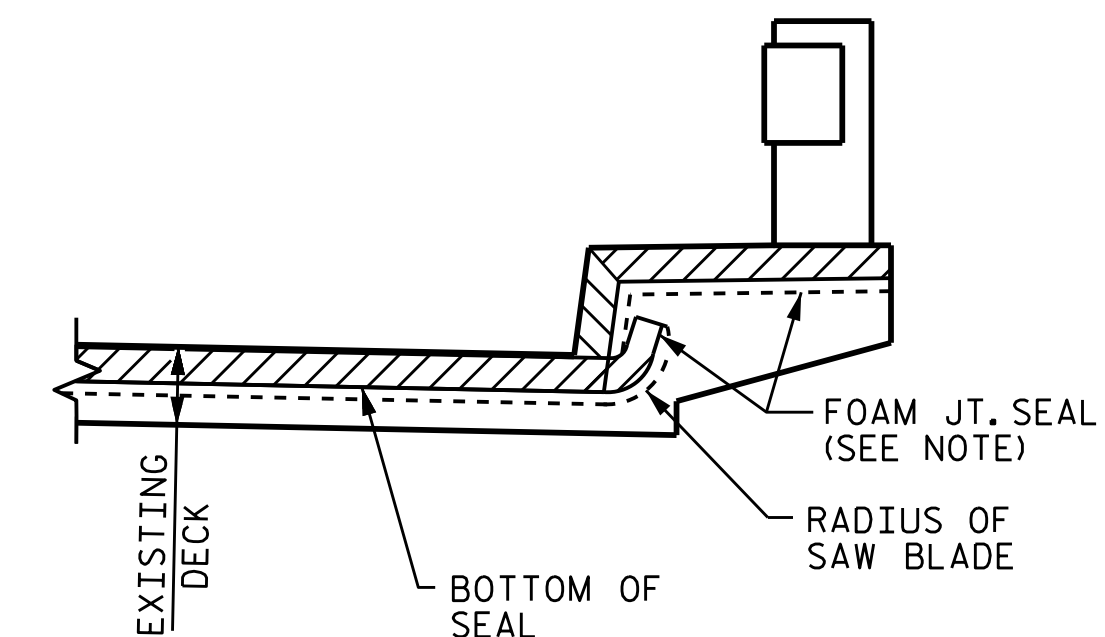
**JOINT INSTALLATION SEQUENCE AT END BENTS**

**SECTION A-A**

\*\* ALL LOOSE AND UNSOUND CONCRETE SHALL BE REMOVED. IF THE EMBEDDED PORTION OF THE EXISTING WATERSTOP IS EXPOSED DURING REMOVAL, THE ENTIRE WATERSTOP SHALL BE REMOVED.



PLAN



SECTION D-D

FOAM JOINT SEAL SHALL BE FACTORY FORMED OR CUT, HEAT WELDED AND TURNED UP.

**JOINT SEAL DETAILS AT BENT**

PROJECT NO. I-5788  
CUMBERLAND COUNTY  
 BRIDGE NO.: 157 & 158



DocuSigned by: *Ting H. Fang*  
 E7208840077435

1/28/2016

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE  
 JOINT DETAILS**

REVISIONS						SHEET NO. S-23
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 72
2			4			

DRAWN BY : T. H. FANG DATE : 11/2015  
 CHECKED BY : S. B. WILLIAMS DATE : 11/2015