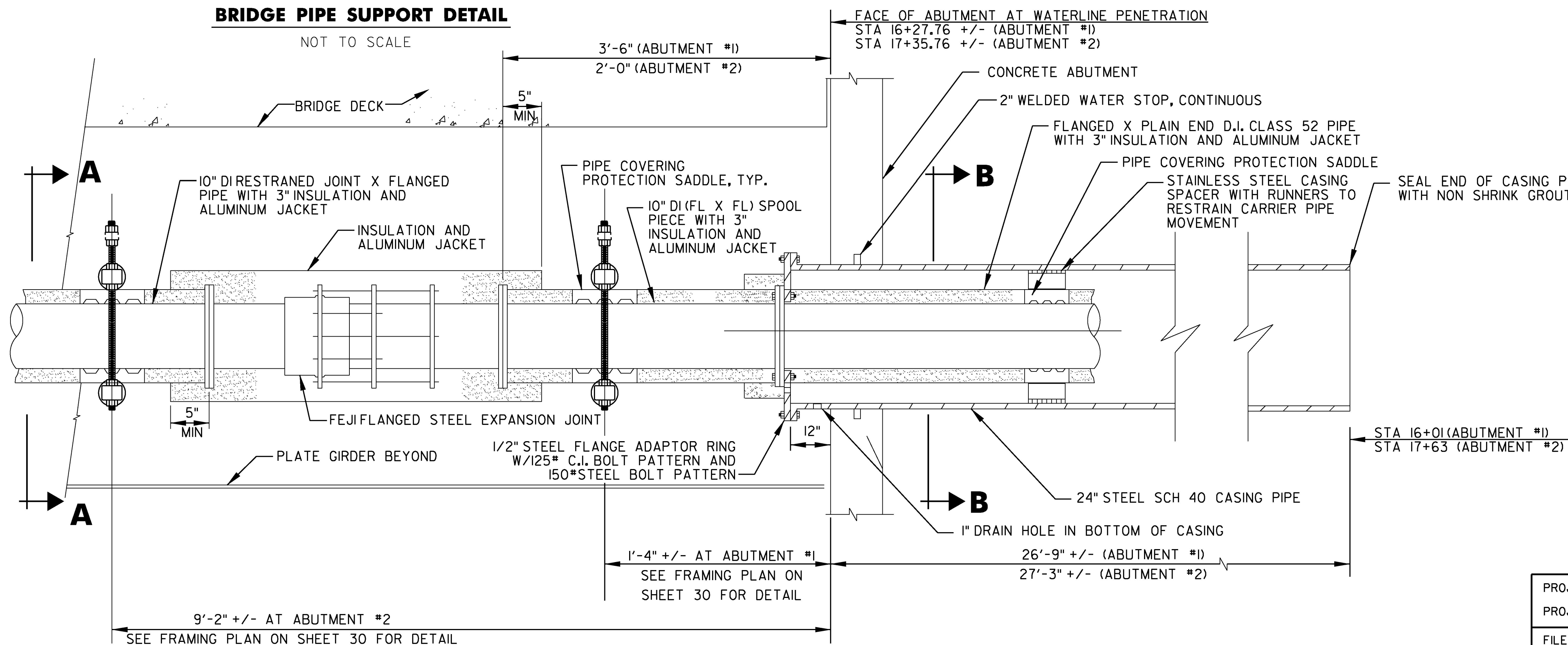


- NOTES:
1. ALL STRUCTURAL STEEL FOR UTILITY SUPPORTS SHALL CONFORM TO AASHTO M270M/M270 GRADE 50W. ALL STRUCTURAL STEEL AND FASTENERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M III AND M 232.
 2. ALL PIPE FITTINGS, RESTRAINED JOINTS, AND EXPANSION JOINTS WILL BE INSTALLED WITH 3" THICK PRE-INSULATED URETHANE PIPE INSULATION WITH ALUMINUM JACKET.
 3. PAYMENT FOR NEW BRIDGE PIPE SUPPORTS INCLUDING PIPE AND INSULATION WILL BE MADE UNDER ITEM 900.645, SPECIAL PROVISION (WATER MAIN ON BRIDGE) (10")

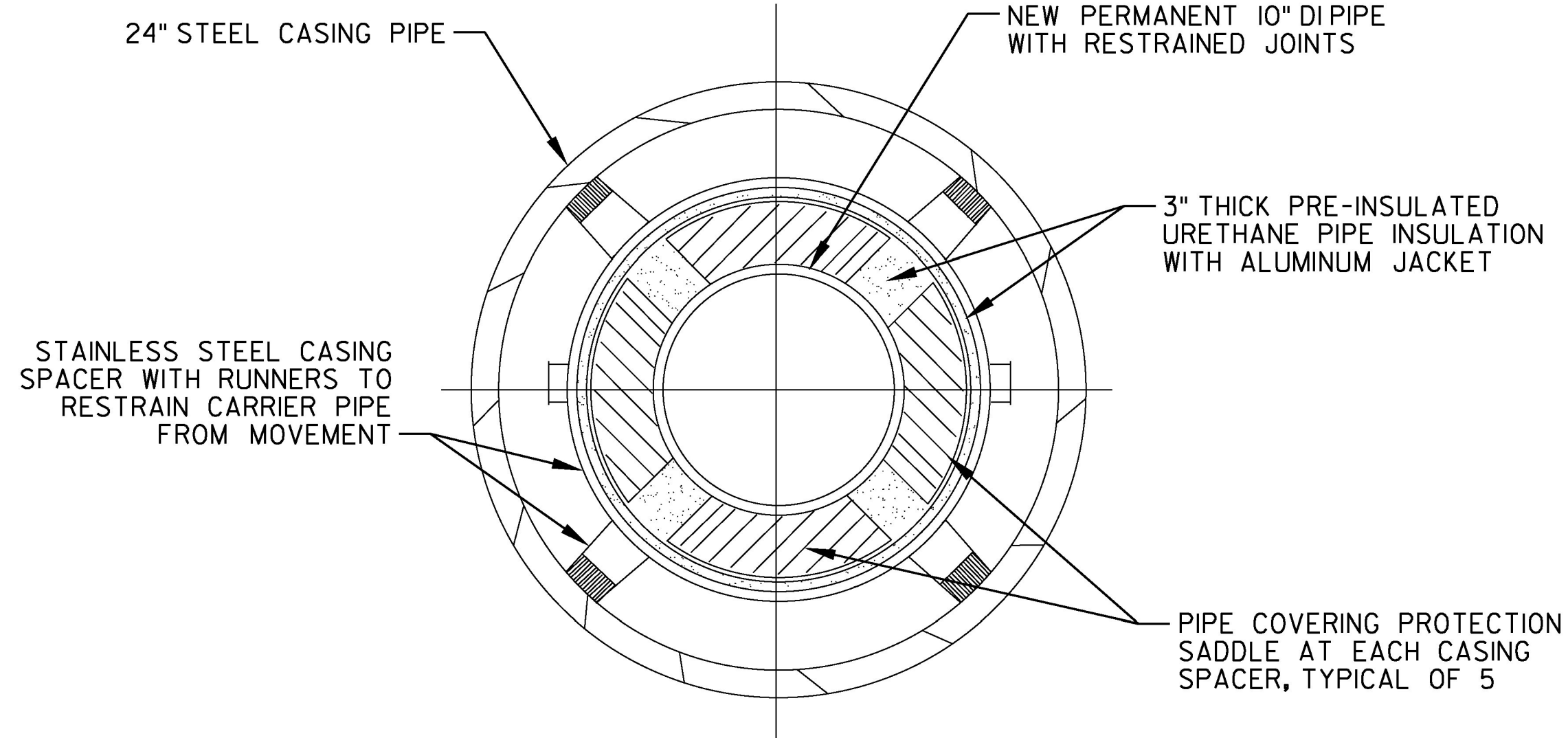
BRIDGE PIPE SUPPORT DETAIL

NOT TO SCALE



EXPANSION JOINT AND SUPPORT DETAIL

NOT TO SCALE TYPICAL BOTH ENDS OF BRIDGE

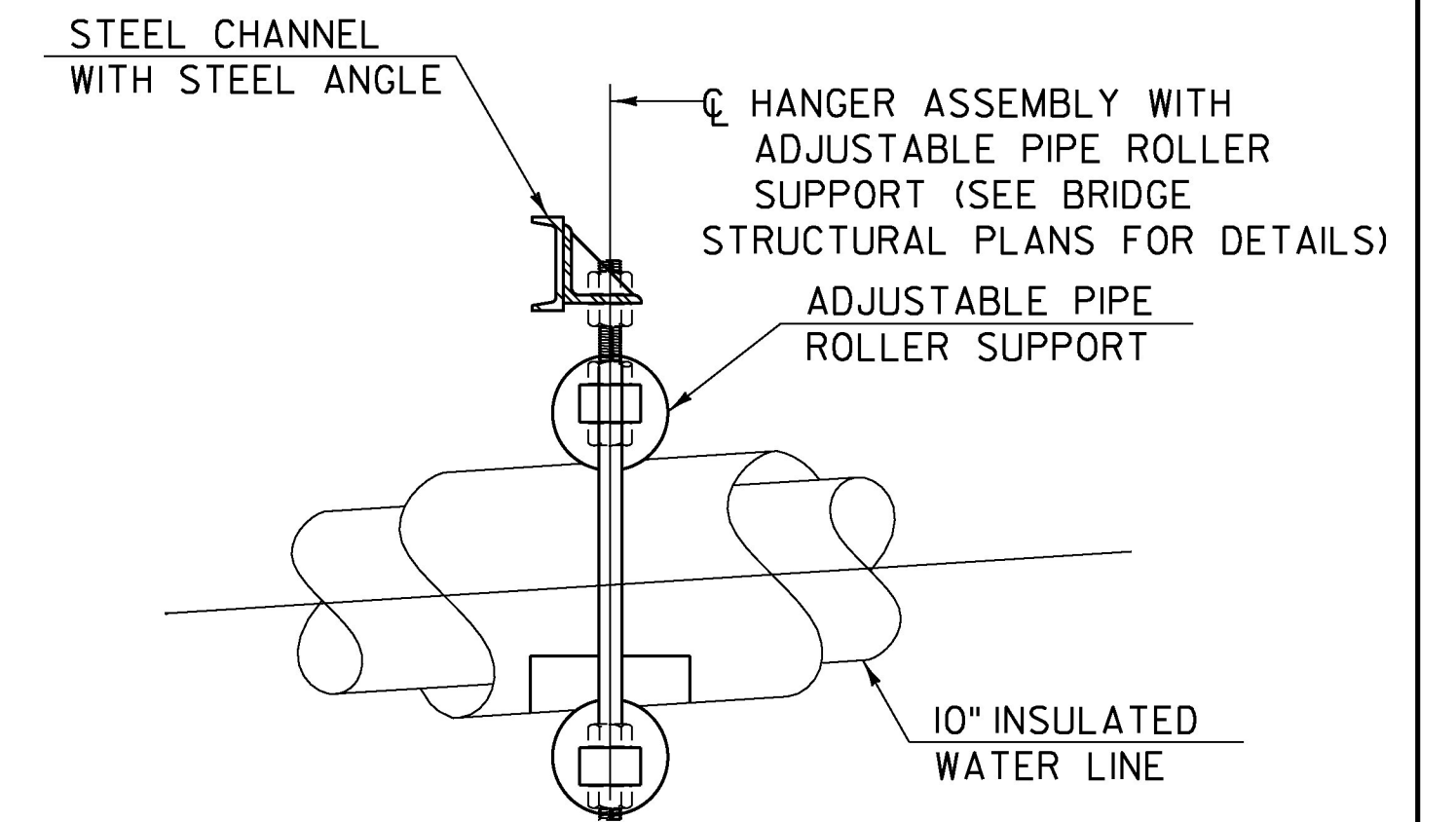


- NOTES:
1. INSTALL 3 STAINLESS STEEL SPACERS INSIDE STEEL CASING PIPE PER LENGTH OF DUCTILE IRON PIPE AT BOTH ENDS OF BRIDGE.
 2. PAYMENT FOR STEEL CASING PIPE INCLUDING DI WATER PIPE AND INSULATION WILL BE MADE UNDER ITEM 900.645, SPECIAL PROVISION (WATER MAIN ON BRIDGE) (10")

SECTION B-B: STEEL SLEEVE THROUGH BRIDGE ABUTMENT AND UNDER APPROACH SLAB

NOT TO SCALE

- NOTES:
1. INFORMATION ON THIS SHEET SHOULD ONLY BE CONSTRUED TO REPRESENT WATER MAIN AND APPURTENANCES. OTHER INFORMATION SHOWING STRUCTURAL ITEMS, IS SHOWN ONLY FOR RELATIVE RELATIONSHIPS ONLY. THIS INFORMATION SHOULD BE OBTAINED FROM OTHER DRAWINGS.
 2. DUCTILE IRON PIPE FOR BRIDGE CROSSING SHALL BE ANSI/AWWA C151/A21.5I, CLASS 52, CEMENT LINED WITH SEAL COATING INSIDE AND OUTSIDE. PIPE SHALL BE RESTRAINED JOINT PIPE. JOINTS SHALL BE LAYED OUT TO AVOID HANGER LOCATIONS WITH PIPE LENGTHS MODIFIED, IF NECESSARY.



SECTION A-A

NOT TO SCALE

PROJECT NAME: ST JOHNSBURY
PROJECT NUMBER: BRO 1447(30)

FILE NAME: z12j164wtr_dets2d.dgn PLOT DATE: 9/30/2016
PROJECT LEADER: M. CHENETTE DRAWN BY: D. HARRINGTON
DESIGNED BY: D. CAMPBELL CHECKED BY: G. SANTY
WATER DETAILS 5 SHEET 57 OF 76

