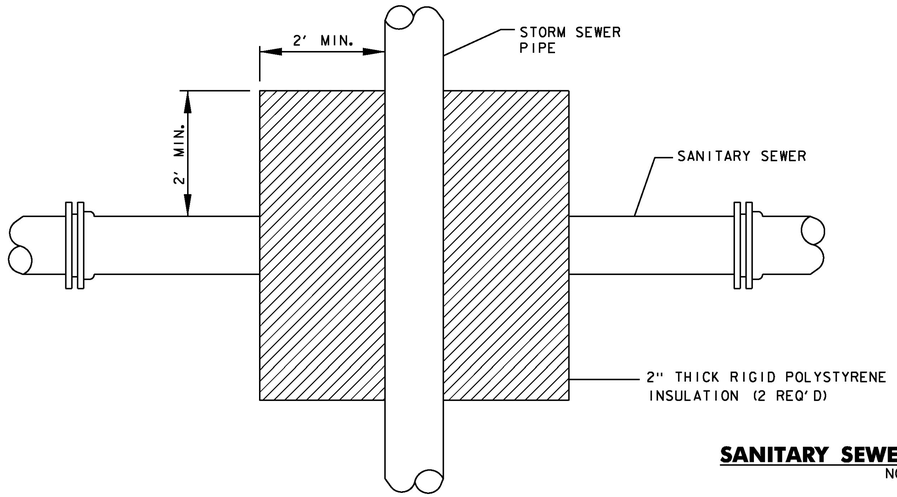

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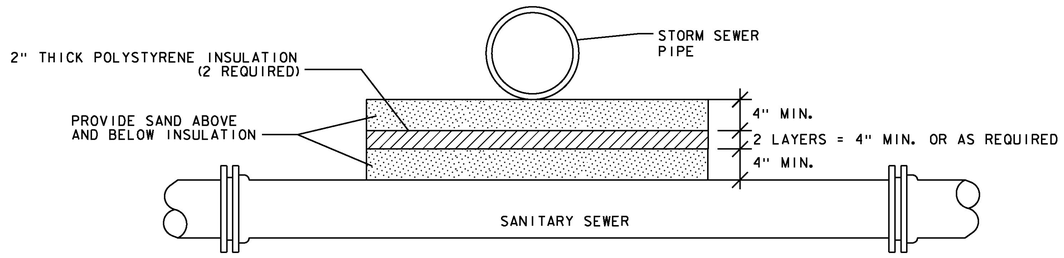


SECTION

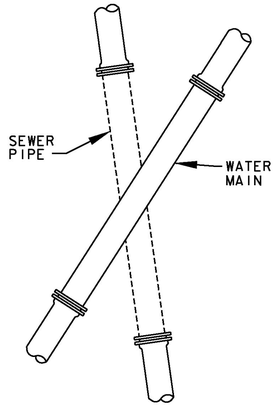
SANITARY SEWER INSULATION DETAIL

NOT TO SCALE

NOTES:

1. PAYMENT FOR POLYSTYRENE INSULATION AND SAND BLANKET ARE TO BE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (TRANSFER TO NEW SYSTEM, SANITARY SEWER).

2. SAND BLANKET MATERIAL SHALL MEET THE REQUIREMENTS OF SUBSECTION 703.03 AND POLYSTYRENE INSULATION BOARD SHALL MEET THE REQUIREMENTS OF SUBSECTION 735.01 AS STATED IN THE VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.



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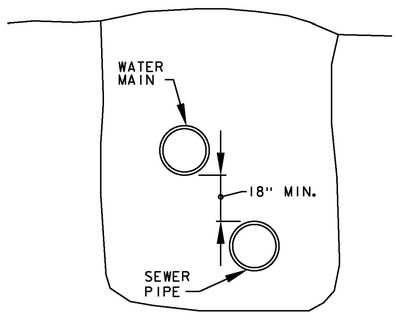


SECTION

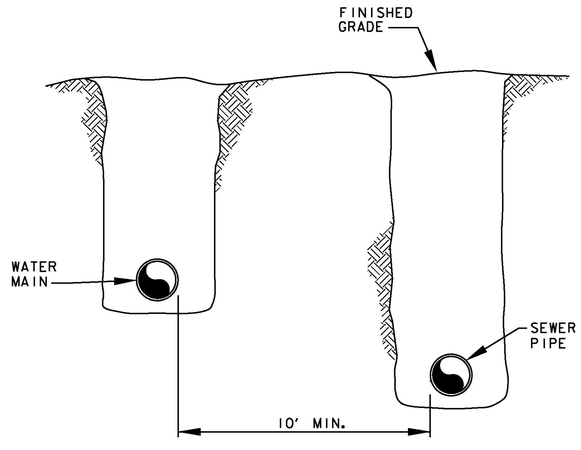
NOTE:

SEWERS CROSSING WATER MAINS SHALL BE LAID BENEATH THE WATER MAIN WITH AT LEAST 18 INCHES VERTICAL CLEARANCE BETWEEN THE OUTSIDE OF THE SEWER AND THE OUTSIDE OF THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO MAINTAIN THE 18" VERTICAL SEPARATION:

1) THE CROSSING SHALL BE ARRANGED SO THAT ONE FULL LENGTH OF SEWER PIPE IS CENTERED ABOVE OR BELOW THE WATER LINE WITH SEWER JOINTS AS FAR AS POSSIBLE FROM WATER JOINTS;
2) THE SEWER PIPE MUST BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 20 FEET EITHER SIDE OF THE CROSSING OR A TOTAL OF THREE PIPE LENGTHS, WHICHEVER IS GREATER;
3) THE SECTION CONSTRUCTED TO WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO MAINTAIN 50 PSI FOR 15 MINUTES WITHOUT LEAKAGE PRIOR TO BACKFILLING BEYOND ONE FOOT ABOVE THE PIPE TO ASSURE WATER TIGHTNESS;
4) WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

SEWER PIPE AND WATER MAIN CROSSING

NOT TO SCALE



SEWER-WATER PARALLEL INSTALLATION

NOT TO SCALE

Stantec

PROJECT NAME: RUTLAND CITY	
PROJECT NUMBER: STP 019-3(57)	
FILE NAME: ...\PlotFiles\rut_sew_det.dgn	PLOT DATE: 7/12/2013
PROJECT LEADER: GAE	DRAWN BY: PZA
DESIGNED BY: TFD	CHECKED BY: GAE
SEWER & WATER DETAILS SWD-02	SHEET 310 OF 392