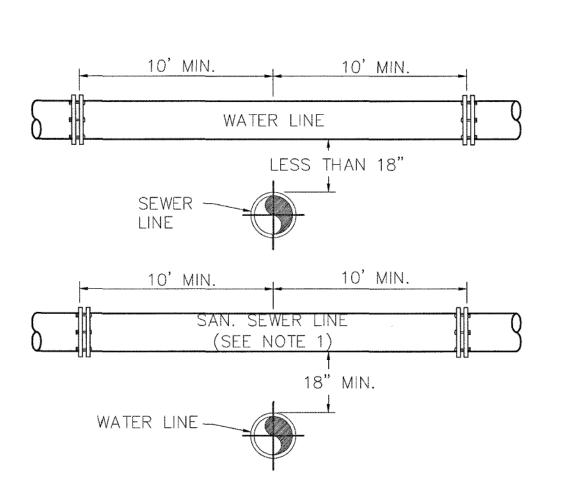


1. PROVIDE WATER TIGHT CONNECTION TO METAL 3"x4" PIPE. SEE SHEET A-202 FOR CONTINUATION.

## SIDEWALK TRENCH DRAIN DETAIL

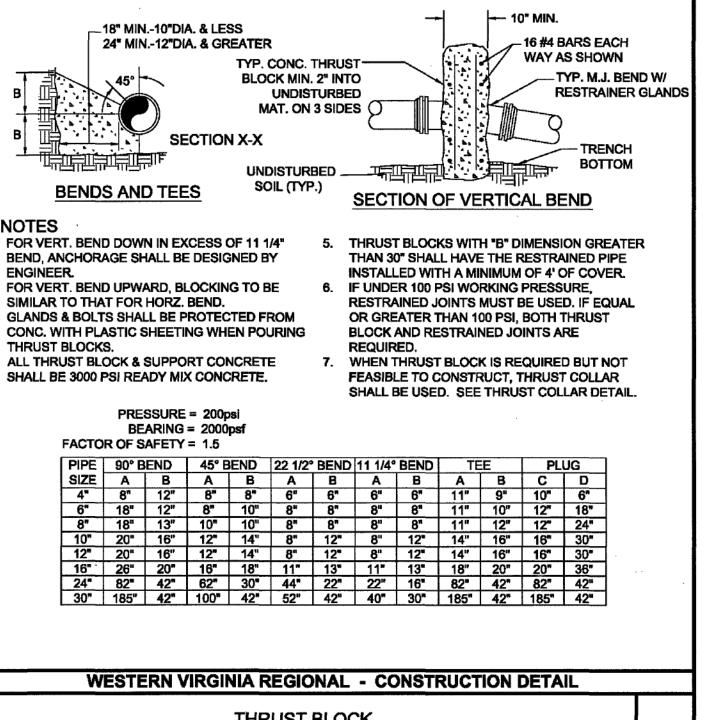
NO SCALE



1. SAN. SEWER LINE ABOVE WATERLINE OR LESS THAN 18" BELOW TO BE CONSTRUCTED OF AWWA WATER LINE MATERIAL & PRESSURE TESTED AT NO ADDITIONAL COST. PROVIDE RESTRAINED JOINT PIPE FOR SAN. SEWER LINE PIPE. AMERICAN PIPE FLEX-RING, US PIPE TR-FLEX, OR APPROVED EQUAL. TEST PRESSURE 30 PSI. INSTALLATION MUST CONFORM TO ALL VIRGINIA DEPARTMENT OF HEALTH AND VA DEQ REQUIREMENTS.

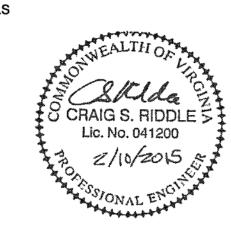
- JOINTS OF SEWER LINE SHALL BE PLACED EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER LINE JOINTS.
- 3. BACKFILL BETWEEN PIPES MINIMUM FIVE (5) FEET EITHER SIDE OF CROSSING WITH FULL DEPTH AGGREGATE NO. 57 STONE.
- 4. MINIMUM HORIZONTAL SEPARATION BETWEEN SEWER LINES AND MANHOLES AND WATER LINES SHALL BE TEN(10) FEET MINIMUM, MEASURED EDGE TO EDGE.
- 5. DETAIL APPLIES TO ALL WATER LINES, FIRE HYDRANT LINES, AND SERVICE LINES IN PROJECT CORRIDOR.

WATER AND SANITARY SEWER CROSSING DETAIL NO SCALE



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SEALS



CONSULTANT

## CARILION. PROJECT **MANAGEMENT &** CONSTRUCTION



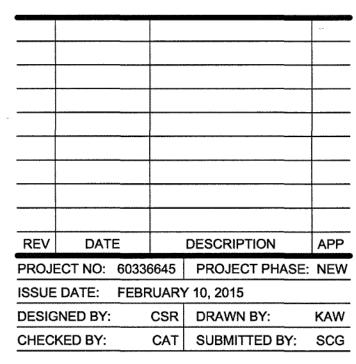
213 MCCLANAHAN ST. S.W., THIRD FLOOR ROANOKE, VA 24014

PHONE: 540-981-7024

## FIRE PUMP RELOCATION

CARILION ROANOKE COMMUNITY HOSPITAL

ROANOKE, VIRGINIA



CIVIL / SITE

WATER DETAILS

C-502