



GENERAL NOTES:

1. INSULATION IS REQUIRED WHEN A SANITARY SEWER PIPE IS LESS THAN 4 FEET FOR A SERVICE LATERAL, AND LESS THAN 5 FEET FOR A SEWER MAIN, FROM FINISHED GRADE, A DRYWELL SUMP, IRRIGATION PIPE OR ANY STRUCTURE THAT HAS THE POTENTIAL TO TRANSFER COLD OR PROMOTE FREEZING.
2. PROVIDE ONE-INCH OF INSULATION THICKNESS, EQUIVALENT TO AN R-VALUE OF 5, PER FOOT OF MISSING COVER OR VOID SPACE LESS THAN FIVE FEET. PROVIDE TWO-INCHES OF INSULATION THICKNESS, EQUIVALENT TO AN R-VALUE OF 10, PER FOOT OF HORIZONTAL SEPARATION LESS THAN 5- FEET FOR MAINS AND 4- FEET FOR SERVICE LATERALS
3. USE A HIGH DENSITY, RIGID INSULATION WITH 35 PSI OR GREATER RATING.

December 2021



Engineering Division

**Sanitary Sewer Service and Main  
Insulation Requirements**

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Approved By Utility  
Project Manager –  
Ross Mollenhauer, PE

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