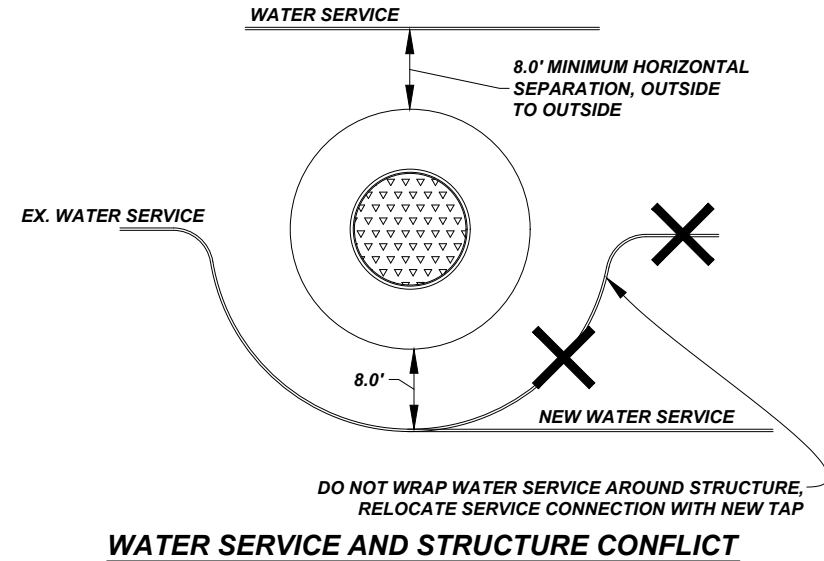
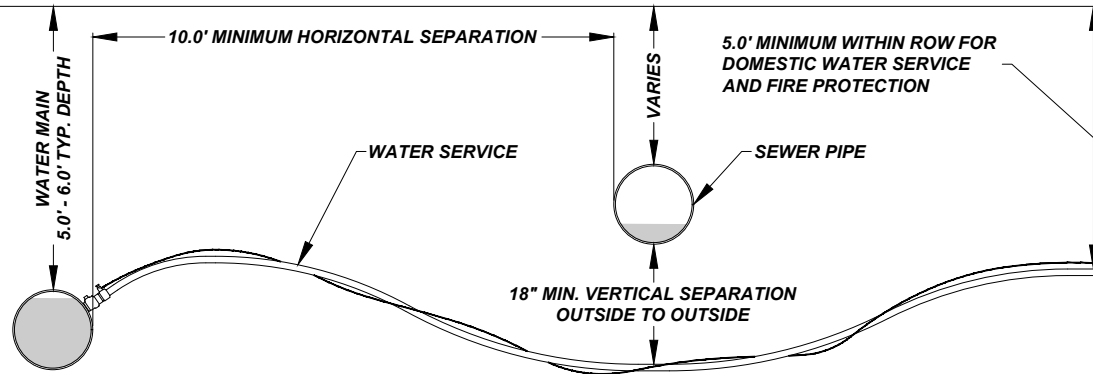


WATER MAIN AND SEWER LATERAL



WATER SERVICE AND STRUCTURE CONFLICT



WATER SERVICE AND SEWER PIPE SEPARATION

NOTES:

1. **WATER MAIN AND WATER SERVICE SEPARATION REQUIREMENTS:**
 - 10.0' HORIZONTAL SEPARATION FROM STORM PIPE, SANITARY PIPE AND SEWER LATERAL. MEASURED FROM OUTSIDE PIPE EDGES
 - 8.0' HORIZONTAL SEPARATION FROM SEWER STRUCTURE MEASURED FROM OUTSIDE EDGE OF STRUCTURE TO OUTSIDE OF PIPE
 - 18" VERTICAL SEPARATION FROM SEWER. MEASURED FROM OUTSIDE PIPE EDGES. IF 18" OF VERTICAL SEPARATION CANNOT BE ACHIEVED DUE TO EXISTING CONDITIONS, CHANGE THE SEWER PIPE MATERIAL TO AN APPROVED PRESSURE GRADE MATERIAL AT THE PIPE CROSSING. USE A FULL SECTION OF PIPE CENTERED AT THE CROSSING TO PLACE JOINTS AS FAR AWAY FROM THE CROSSING PIPE. A MINIMUM OF 6" OF VERTICAL SEPARATION REQUIRED NO MATTER THE MATERIAL TYPE. VERTICAL SEPARATION BETWEEN 6" TO 12" WILL REQUIRE A FLOWABLE FILL PIPE SADDLE, SEE DETAIL
2. IF THESE SEPARATION REQUIREMENTS CANNOT BE MET, A CHANGE OF MATERIAL TYPE, CASING OR INTERIOR EPOXY COATING OF STRUCTURE WILL BE REQUIRED. CITY OF GOSHEN ENGINEERING DEPARTMENT TO APPROVE METHOD USED PRIOR TO INSTALLATION
3. WATER AND SEWER PIPES SHALL CROSS AT NO LESS THAN 45 DEGREES, ELSE THEY ARE CONSIDERED PARALLEL PIPES REQUIRING 10' OF HORIZONTAL SEPARATION

HORIZONTAL AND VERTICAL UTILITY SEPARATION

NOT TO SCALE