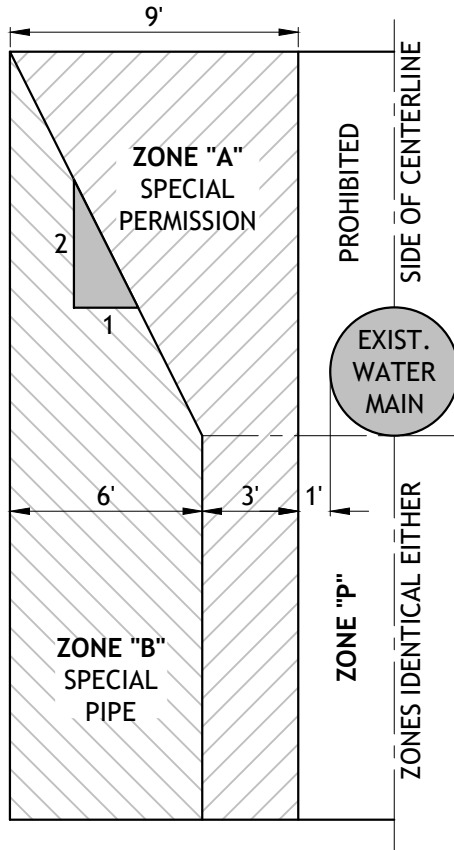
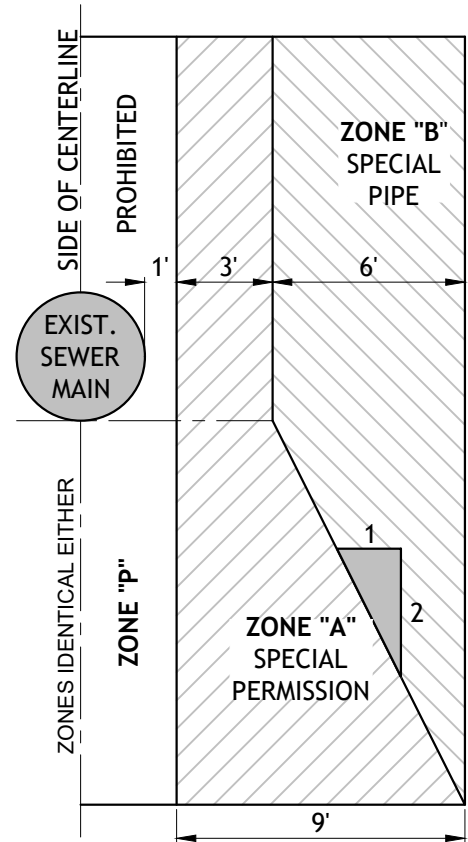


CASE 1 - NEW SEWER MAIN



CASE 2 - NEW WATER MAIN



SPECIAL CONSTRUCTION REQUIRED FOR NEW SANITARY SEWER MAIN: CASE 1

ZONE "A"

SANITARY SEWER MAINS PARALLEL TO WATER MAINS SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT PRIOR WRITTEN APPROVAL FROM THE DEPARTMENT AND PUBLIC WATER SYSTEM.

ZONE "B"

IF THE WATER MAIN PARALLELING THE SANITARY SEWER MAIN DOES NOT MEET THE CASE 2 ZONE "B" REQUIREMENTS, THE SANITARY SEWER MAIN SHOULD BE CONSTRUCTED OF ONE OF THE FOLLOWING:

1. HIGH-DENSITY-POLYETHYLENE (HDPE) PIPE WITH FUSION WELDED JOINTS (PER AWWA C906-99);
2. EXTRA STRENGTH VITRIFIED CLAY PIPE (VCP) WITH COMPRESSION JOINTS;
3. CLASS 4000, TYPE II, ASBESTOS-CEMENT (A.C.) PIPE WITH RUBBER GASKET JOINTS;
4. PVC SEWER PIPE WITH RUBBER RING JOINTS (PER ASTM D3034) OR EQUIVALENT;
5. CAST OR DUCTILE IRON PIPE WITH COMPRESSION JOINTS; OR
6. REINFORCED CONCRETE PRESSURE PIPE WITH COMPRESSION JOINTS (PER AWWA C302-95).

SPECIAL CONSTRUCTION REQUIRED FOR NEW WATER MAIN: CASE 2

ZONE "A"

NO WATER MAINS PARALLEL TO SANITARY SEWER MAINS SHALL BE CONSTRUCTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE DEPARTMENT.

ZONE "B"

IF THE SANITARY SEWER MAIN PARALLELING THE WATER MAIN DOES NOT MEET THE CASE 1, ZONE "B" REQUIREMENTS, THE WATER MAIN SHOULD BE CONSTRUCTED OF ONE OF THE FOLLOWING:

1. HDPE PIPE WITH FUSION WELDED JOINTS (PER AWWA C906-99);
2. DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING;
3. DIPPED AND WRAPPED ONE-FOURTH INCH (1/4") THICK WELDED STEEL PIPE;
4. CLASS 200, TYPE II, ASBESTOS-CEMENT (A.C.) PRESSURE PIPE;
5. CLASS 200 PRESSURE RATED PVC WATER PIPE (DR 14 PER AWWA C900-97) OR EQUIVALENT; OR
6. REINFORCED CONCRETE PRESSURE PIPE, STEEL CYLINDER TYPE, PER AWWA (C300-97 OR C302-99 OR C303-95).

HORIZONTAL PROTECTION ZONES FOR SEWER AND WATER



EAST VALLEY WATER DISTRICT, ENGINEERING DEPARTMENT

APPROVED BY:

Jeff Noelte

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DIRECTOR OF ENGINEERING & OPERATIONS

APRIL 2022
REVISION

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SHEET 1 OF 1