

WATER CROSSING SEWER

TYPICAL SPECIAL PROTECTION FOR WATER LINE CROSSING WITH SEWER LINE

A SEWER IS ANY NON-POTABLE LINE INCLUDING BUT NOT LIMITED TO MAINS AND LATERALS OF SANITARY SEWER, STORM DRAINS, PRESSURIZED FORCE MAINS AND RECLAIMED WASTEWATER.

WATER MAIN CROSSING WITH RCP STORM DRAIN

WATER MAIN MUST CROSS A MINIMUM OF 18" ABOVE A RCP STORM DRAIN. IF THIS IS IMPRACTICAL AND IF THE STORM DRAIN CROSSES ABOVE, OR BELOW BY LESS THAN 18", THE FOLLOWING SPECIAL CONSTRUCTION METHODS MAY BE USED:

A MINIMUM OF 6" SEPARATION FROM OD TO OD,
CONSTRUCT STORM DRAIN OF JOINTLESS PIPE OR RUBBER GASKET JOINTS CONFORMING TO ASTM C443 AND ASTM C1619 OR APPROVED JOINT SEALANT MEETING ASTM C877, AND

- A. CONSTRUCT WATER WITH MECHANICALLY RESTRAINED JOINTS WITHIN 10' OF OD OF CROSSING OR UTILIZE JOINTLESS PIPE OR BSDW EQUAL.

WATER MAIN CROSSING WITH SEWER MAIN OR LATERAL

WATER MAIN MUST CROSS A MINIMUM OF 18" ABOVE A SANITARY SEWER MAIN OR 12" ABOVE A SEWER LATERAL. IF THIS IS IMPRACTICAL AND IF THE SEWER MAIN OR LATERAL CROSS ABOVE, OR BELOW THE WATER MAIN AT LESS THAN THE ABOVE DISTANCES , THE FOLLOWING SPECIAL CONSTRUCTION METHODS MAY BE USED:

- A. A MINIMUM OF 6" SEPARATION FROM OD TO OD,
- B. CONSTRUCT SEWER OF SDR35 PVC (ASTM D3212) OR JOINTLESS PIPE OR RUBBER GASKET JOINTS CONFORMING TO ASTM C443 AND ASTM C1619 OR APPROVED JOINT SEALANT MEETING ASTM C877, OR
- C. IF THE SEWER IS PRESSURIZED, MECHANICALLY RESTRAIN SEWER JOINTS WITHIN 10' FROM OD TO OD OR JOINTLESS PIPE WITH NO JOINTS WITHIN 10' FROM OD TO OD OR OTHER BSDW APPROVED ALTERNATIVE, AND
- D. CONSTRUCT WATER WITH MECHANICALLY RESTRAINED JOINTS WITHIN 10' OF OD OF CROSSING OR UTILIZE JOINTLESS PIPE OR BSDW EQUAL.

WATER SERVICE CROSSING WITH SEWER MAIN

WATER SERVICE MUST CROSS A MINIMUM OF 18" ABOVE A SEWER MAIN. IF THIS IS IMPRACTICAL AND IF THE SANITARY SEWER MAIN CROSSES ABOVE OR BELOW THE WATER SERVICE BY LESS THAN 18", THE FOLLOWING SPECIAL CONSTRUCTION METHODS MAY BE USED:

- A. A MINIMUM OF 6" SEPARATION FROM OD TO OD,
- B. CONSTRUCT SEWER OF SDR35 PVC (ASTM D3212) OR JOINTLESS PIPE OR RUBBER GASKET JOINTS CONFORMING TO ASTM C443 AND ASTM C1619 OR APPROVED JOINT SEALANT MEETING ASTM C877, OR
- C. IF THE SEWER IS PRESSURIZED, MECHANICALLY RESTRAIN SEWER JOINTS WITHIN 10' FROM OD TO OD OR JOINTLESS PIPE WITH NO JOINTS WITHIN 10' FROM OD TO OD OR OTHER BSDW APPROVED ALTERNATIVE, AND
- D. THE WATER SERVICE MUST BE JOINTLESS POLYETHYLENE (PE) PIPE CONFORMING TO AWWA C901 OR C906 AND SSPWC FOR POTABLE WATER PRESSURE PIPE.

GENERAL

THESE NOTES ARE PROVIDED IN THE INTEREST OF FACILITATING THE APPROVAL PROCESS, WITH RESPECT TO POTABLE VS. NON-POTABLE PIPELINE SEPARATION. IT IS IN NO WAY INTENDED TO REPLACE OR SUPERCEDE NEVADA ADMINISTRATIVE CODE (NAC) 445A.6715 THROUGH 445A.67175. THE METHODS LISTED HEREIN ARE GENERALLY CONSIDERED ACCEPTABLE ALTERNATIVES TO THE AFOREMENTIONED NAC "SEPARATION" SUBSECTIONS OF THE REGULATION.

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