



**TYPICAL CROSSING DETAIL**  
NTS

**NOTES:**

1. ALL POTABLE WATER CROSSINGS OF EXISTING OR PROPOSED UTILITIES, OR OTHER UNDERGROUND OBSTRUCTION SHALL BE DETAILED BY THE DESIGN ENGINEER, AND SHALL MEET THE CRITERIA OUTLINED BY NAC CHAPTER 445A. FOR PURPOSES OF SEPARATION AND PROTECTION OF THE WATER SUPPLY, RECLAIMED WATER SHALL BE CONSIDERED A SEWER LINE.
2. THE ENTIRE ASSEMBLY SHALL BE INSTALLED USING DUCTILE IRON RESTRAINED MECHANICAL JOINT FITTINGS.
3. UPON APPROVAL OF CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR, THE ABOVE ASSEMBLY MAY BE REPLACED WITH A WELDED STEEL "SPOOL" OF EQUIVALENT DIAMETER, PRIMED AND WRAPPED (10 MILS MIN.). CONNECT TO EXISTING LINES USING MECHANICAL JOINTS. STEEL SPOOL SHALL BE CONSTRUCTED BY A CERTIFIED WELDER AND PRESSURE CHECKED IN ACCORDANCE WITH SPECIFICATIONS.
4. CONCRETE AND REBAR FOR THRUST BLOCKS SHALL NOT INTERFERE WITH THE REMOVAL OF BOLTED ASSEMBLIES.
5. AN AIR-RELEASE WITH POSITIVE GRADE FROM MAIN TO RELEASE SHALL BE INSTALLED AT THE HIGH POINT OF THE MAIN (18 INCHES MINIMUM FROM ANY FITTING) UNLESS OTHERWISE NOTED ON THE APPROVED PLANS. SEE DWG. C-3.1.10 FOR INSTALLATION.
6. RAISING A WATER MAIN OVER A SEWER LINE REQUIRES APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
7. EVERY EFFORT IS TO BE MADE TO KEEP THE WATER MAIN OR WATER LATERAL 18 INCHES ABOVE THE SEWER MAIN AND THE WATER MAIN 12 INCHES ABOVE SEWER LATERAL.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 1	1/21	<b>RAISING WATER MAINS</b>	CARSON CITY
				DRAWING NO. C-3.1.9 (203,307)
				DATE JAN 2021
APPROVED BY:		1/21		