

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 AND THE NDEP BUREAU OF SAFE DRINKING WATER VERTICAL CROSSING CONFLICTS SUMMARY. FOR PURPOSES OF SEPARATION AND PROTECTION OF THE WATER SUPPLY, RECLAIMED WATER SHALL BE CONSIDERED A SEWER LINE. REFER TO DWG C-3.1.2 FOR REQUIRED MITIGATION TO SEWER STORM PIPE LOCATED ABOVE WATER MAIN.
- 2. THE ENTIRE ASSEMBLY SHALL BE INSTALLED USING DUCTILE IRON RESTRAINED MECHANICAL JOINT FITTINGS.
- 3. ALL NUTS & BOLTS SHALL BE COATED WITH COLD APPLIED WATER BASED ENAMEL OR BLACK ASPHALT (AWWA C509, SEC 4.2.2.8 OR C515, SEC 4.2.2.6)
- 4. 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.
- 5. CONCRETE FOR THRUST BLOCKS SHALL NOT INTERFERE WITH THE REMOVAL OF BOLTED ASSEMBLIES.
- 6. AN AIR-RELEASE WITH A POSITIVE GRADE FROM MAIN TO RELEASE, SHALL BE INSTALLED ON BOTH SIDES OF CROSSING (18 INCHES MINIMUM FROM ANY FITTING) UNLESS OTHERWISE NOTED ON THE APPROVED PLANS. ONE AIR-RELEASE MAY BE USED WITH ONE LINE TO EACH SIDE OF CROSSING. SEE DWG. C-3.1.10 & C-3.2.2 FOR INSTALLATION.
- 7. ROUTING WATER LINE OR "ROPING" UNDER SEWER LINE REQUIRES APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			LOWERING	DRAWING NO. C-3.1.8 (203,307)
APPROV	/ED BY:	07/09	WATER MAINS	DATE 7/2009