


1. DISINFECTION [NAC 445A.67145.6] – A WATER MAIN MUST NOT BE PLACED INTO SERVICE AFTER ITS INITIAL CONSTRUCTION UNTIL:
  - (a) THE WATER MAIN HAS BEEN DISINFECTED IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION STANDARD C651, AS ADOPTED BY REFERENCE IN NAC 445A.6663. THE DISPOSAL OF ANY SPENT CHLORINE SOLUTIONS MUST BE COORDINATED WITH THE DIVISION.
  - (b) AN ANALYSIS OF THE WATER MAIN WHICH INDICATES THAT IT MEETS PRIMARY STANDARDS FOR COLIFORM BACTERIA HAS BEEN OBTAINED AND REPORTED TO THE DIVISION OR THE APPROPRIATE DISTRICT BOARD OF HEALTH.
  
2. PRESSURE TEST [NAC 445A.67145.7] – THE PIPING INSTALLED IN A DISTRIBUTION SYSTEM MUST (BEFORE THE PIPING IS FLUSHED, DISINFECTED OR SAMPLED FOR AN ANALYSIS OF WATER QUALITY), IF PIPING CONSISTS OF:
  - (a) DUCTILE IRON, BE PRESSURE TESTED IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION STANDARD C600, AS ADOPTED BY REFERENCE IN NAC 445A.6663;
  - (b) PVC, BE PRESSURE TESTED IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION STANDARD C605, AS ADOPTED BY REFERENCE IN NAC 445A.6663; OR
  - (c) ANOTHER MATERIAL, BE PRESSURE TESTED IN ACCORDANCE WITH:
    - (1) FOR PUBLIC WATER SYSTEMS IN CARSON CITY, FALLON, RENO, SPARKS, YERINGTON, DOUGLAS COUNTY, LANDER COUNTY, LYON COUNTY, NYE COUNTY OR WASHOE COUNTY, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS ADOPTED BY REFERENCE IN NAC 445A.6663;
  
3. CONSTRUCTION [NAC 445A.67145.8] – DURING THE CONSTRUCTION OF A DISTRIBUTION SYSTEM, ANY OPENINGS IN UNFINISHED PIPING OR APPURTENANCES MUST BE SEALED AT THE END OF EACH WORKING DAY IN SUCH A MANNER AS TO PREVENT THE ENTRY OF BIRDS AND OTHER ANIMALS, DIRT, TRENCH WATER AND OTHER SOURCES OF POLLUTION OR CONTAMINATION.
  
4. ALL WATERLINE MATERIALS SHALL BE CERTIFIED TO NATIONAL SANITATION FOUNDATION/AMERICAN NATIONAL STANDARDS INSTITUTE (NSF/ANSI) 61 AND 372 STANDARDS (OR APPROVED EQUIVALENT).
  
5. CONTRACTOR SHALL COMPLY WITH THE MANUFACTURERS RECOMMENDATIONS REGARDING MECHANICALLY RESTRAINED JOINTS, AND SHALL ENSURE THAT SUFFICIENT PIPE LENGTH IS RESTRAINED TO RESTRICT MOVEMENT.
  - \* "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" BY DUCTILE IRON PIPE RESEARCH ASSOCIATION (BIRMINGHAM, AL) IS AVAILABLE TO DETERMINE RESTRAINED DISTANCE.
  - \* CONTRACTOR SHALL VERIFY THRUST RESTRAINT REQUIREMENTS FOR ALL PROPOSED JOINTS. CONCRETE THRUST BLOCKING MAY BE USED WHEN CONNECTING TO EXISTING PIPING THAT HAS INSUFFICIENT THRUST RESTRAINT.
  - \* RESTRAINED JOINT PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH AWWA, ASTM AND MANUFACTURER REQUIREMENTS.
  - \* RESTRAINED PUSH-ON JOINTS FOR PIPE AND FITTINGS SHALL BE DESIGNED FOR 150 PSI WATER OPERATING PRESSURE.
  - \* RESTRAINED PUSH-ON JOINT PIPE AND FITTINGS SHALL BE CAPABLE OF BEING DEFLECTED AFTER ASSEMBLY.
  
6. 18-8 STAINLESS STEEL NUTS, BOLTS AND WASHERS SHALL BE USED IN ALL UNDERGROUND OR SUBMERGED APPLICATIONS. THREADS SHALL BE UNC-ROLLED THREADS ON BOLTS COATED TO PREVENT GALLING.
  
7. ALL WATER MAIN, WATER/FIRE SERVICE, AND BACKFLOW PREVENTION INSPECTIONS AND TESTING MUST BE APPROVED PRIOR TO APPROVAL OF ANY CERTIFICATE OF OCCUPANCY.
  
8. DISINFECTION TABLETS SHALL BE PLACED USING TITEBOND MULTI-PURPOSE CLEAR 100% SILICONE OR APPROVED EQUAL FOOD GRADE SILICONE

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
1	NOTE 6	9/17	<b>WATER GENERAL NOTES</b>	CARSON CITY
				DRAWING NO. C-3.1.1.1 (307)
				DATE
APPROVED BY:		9/17		SEP 2017