



**NOTES**

1. DOUBLE CHECK VALVE MUST BE INSTALLED IN A TRUE HORIZONTAL POSITION.
2. DOUBLE CHECK VALVE MUST BE INSTALLED WITHIN IN A PROTECTIVE BOX. STACKED BOXES SHALL BE USED AS NEEDED TO MAINTAIN CLEARANCE REQUIREMENTS. BACKFLOW DEVICE MUST BE INSTALLED BEHIND THE BACK OF SIDEWALK OUTSIDE OF THE PUBLIC RIGHT-OF-WAY AND PROTECTED FROM TRAFFIC HAZARDS, EITHER BY LOCATION OR BARRIERS.
3. NO CONNECTIONS ARE ALLOWED BETWEEN THE WATER MAIN AND THE DOUBLE CHECK VALVE ASSEMBLY.
4. ALL PARTS MUST BE EASILY ACCESSIBLE FOR INSPECTION BY THE UTILITIES - WATER DIVISION.
5. ANY OTHER LOCATION OR METHOD OF INSTALLATION MUST BE APPROVED IN ADVANCE BY THE UTILITIES - WATER DIVISION.
6. ALL BURIED SECTIONS OF METALLIC PIPE AND FITTINGS SHALL BE WRAPPED WITH AN 8-MIL PLASTIC SLEEVE BETWEEN THE WATER MAIN AND THE BACKFLOW DEVICE. COPPER PIPE NOT WRAPPED IN A PLASTIC SLEEVE SHALL BE NSF 61 APPROVED PLASTIC COATED COPPER TUBING (TYPE "K", BLUE IN COLOR). INSULATED COUPLING SHALL BE WRAPPED WITH 10-MIL HIGH TACK PIPE WRAP TAPE 3-FT (MIN) TO EACH SIDE OF INSULATION POINT. WRAPPING METALLIC PIPE AND FITTINGS BEYOND THE BACKFLOW DEVICE IS RECOMMENDED, BUT NOT REQUIRED.
7. INSTALLATION MUST BE APPROVED BY THE UTILITIES - WATER DIVISION AND THE DEVICE TESTED BY A CITY APPROVED AWWA CERTIFIED BACKFLOW TESTER BEFORE WATER IS TURNED ON.
8. BACKFLOW DEVICES MUST BE APPROVED BY THE STATE WATER RESOURCES CONTROL BOARD AND THE UNIVERSITY OF SOUTHERN CALIFORNIA (USC) HYDRAULIC RESEARCH SECTION. FOR USC'S FOUNDATION LIST OF APPROVED DEVICES GO TO [HTTPS://FCCCHR.USC.EDU/LIST.HTML](https://fccchr.usc.edu/list.html).
9. NO TREES SHALL BE PLANTED WITHIN 10-FT, OR LARGE SHRUBS WITHIN 5-FT, OF DOUBLE CHECK VALVE.
10. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED AND TESTED PRIOR TO ACTIVATION OF SERVICE. USE OF JUMPERS, HOSE BIBS, OR OTHER DEVICES SHALL NOT BE PERMITTED.
11. THE FIRE DEPARTMENT CONNECTION AND RELATED APPURTENANCES SHALL MEET THE CITY OF NAPA FIRE DEPARTMENT SPECIFICATIONS AND REQUIREMENTS. LOCATION OF THE FIRE DEPARTMENT CONNECTION SHALL BE APPROVED BY THE NAPA FIRE DEPARTMENT.
12. BACKFLOW DEVICE CAN BE INSTALLED WITHIN A BUILDING IN A DEDICATED UTILITY CLOSET IF THE BUILDING IS LOCATED WITHIN 20-FT OF THE PUBLIC RIGHT-OF-WAY, THE BACKFLOW DEVICE IS PLACED AT THE CORNER OF THE BUILDING CLOSEST TO THE PUBLIC RIGHT-OF-WAY WHERE THE CONNECTION IS MADE, AND WITH THE APPROVAL FROM THE UTILITIES - WATER DIVISION (SEE W-7B FOR INTERNAL INSTALLATION REQUIREMENTS).

CITY OF NAPA

UTILITIES DEPARTMENT

TITLE **EXTERIOR DOUBLE CHECK VALVE  
BACKFLOW DEVICE INSTALLATION FOR  
2" FIRE WATER SERVICES**

DRAWN BY: DF  
 APPROVAL DATE: 09/2021  
 SCALE: NTS  
 REVISED DATE: 09/2021

CHECKED BY: SL  
 APPROVED BY: DD  
 DRAWING NO. W-7A