

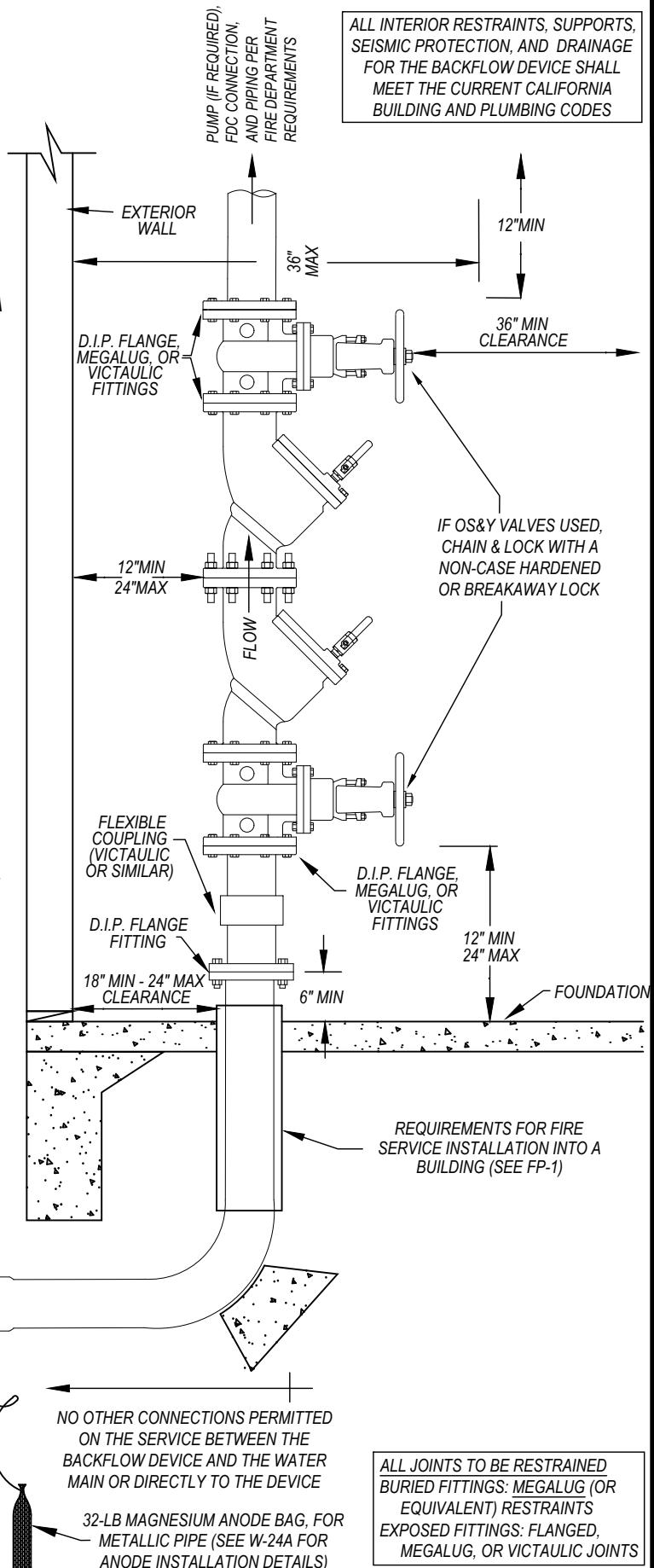
**NOTES**

- BACKFLOW DEVICES THAT SERVE ON-SITE PRIVATE FIRE HYDRANTS SHALL BE EQUIPPED WITH A FIRE SERVICE METER.
- 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.
- BACKFLOW DEVICE MAY BE INSTALLED WITHIN A BUILDING IN A DEDICATED UTILITY CLOSET WITH APPROVAL FROM THE UTILITIES - WATER DIVISION.
- BACKFLOW DEVICE MUST BE PROTECTED FROM HAZARDS EITHER BY LOCATION OR BARRIERS.
- INTERIOR INSTALLATIONS MAY BE INSTALLED IN THE HORIZONTAL POSITION. IF HORIZONTAL INSTALLATION IS DESIRED, AFTER THE INITIAL FLEXIBLE COUPLING, INSTALL A DUCTILE IRON 90-DEGREE BEND. CLEARANCES AROUND THE DEVICE SHALL BE PER W-7C AND W-7D.
- ALL PARTS MUST BE EASILY ACCESSIBLE FOR INSPECTION BY THE UTILITIES - WATER DIVISION.
- 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. ANY OTHER LOCATION OR METHOD OF INSTALLATION MUST BE APPROVED IN ADVANCE BY THE UTILITIES - WATER DIVISION.
- 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). DEVICE MUST BE SPECIFICALLY APPROVED FOR VERTICAL INSTALLATION TO INSTALL VERTICALLY.
- VERTICAL INSTALLATIONS SHALL HAVE A MINIMUM CLEARANCE OF 3- FEET FROM THE FRONT OF THE DEVICE AND 18-INCHES TO EACH SIDE OF THE DEVICE FROM ANY STRUCTURE, FEATURE, UTILITY, ETC. FOR ACCESSIBILITY.
- DRAINAGE SHALL BE PROVIDED IN THE UTILITY CLOSET (AS REQUIRED BY THE BUILDING DIVISION) TO DRAIN WATER THAT MAY BE RELEASED FROM THE TESTING OR DRAINAGE OF THE BACKFLOW DEVICE.
- NO TREES SHALL BE PLANTED WITHIN 10', OR LARGE SHRUBS WITHIN 5', OF WATER LATERAL.

**ALTERNATE MATERIALS MUST BE APPROVED BY THE CITY OF NAPA WATER DIVISION PRIOR TO USE**

C900, DIP AND FITTINGS ONLY FROM WATER MAIN TO 90° FITTING FOR CONNECTION TO WATER MAIN, SEE W-4

- PIPE INSTALLATION TO THE BACKFLOW DEVICE SHALL MEET CITY STANDARD REQUIREMENTS FOR PUBLIC WATER MAINS (INCLUDING, BUT NOT LIMITED TO CORROSION PROTECTION, SAND BEDDING, AND PRESSURE TESTING). CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITIES - WATER DIVISION FOR INSPECTION OF PIPE INSTALLATION AND TESTING FROM THE CONNECTION AT THE PUBLIC MAIN TO THE BACKFLOW DEVICE.



CITY OF NAPA

UTILITIES DEPARTMENT

TITLE  
**INTERIOR INSTALLATION OF DOUBLE CHECK VALVES FOR 4" TO 8" 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-7D