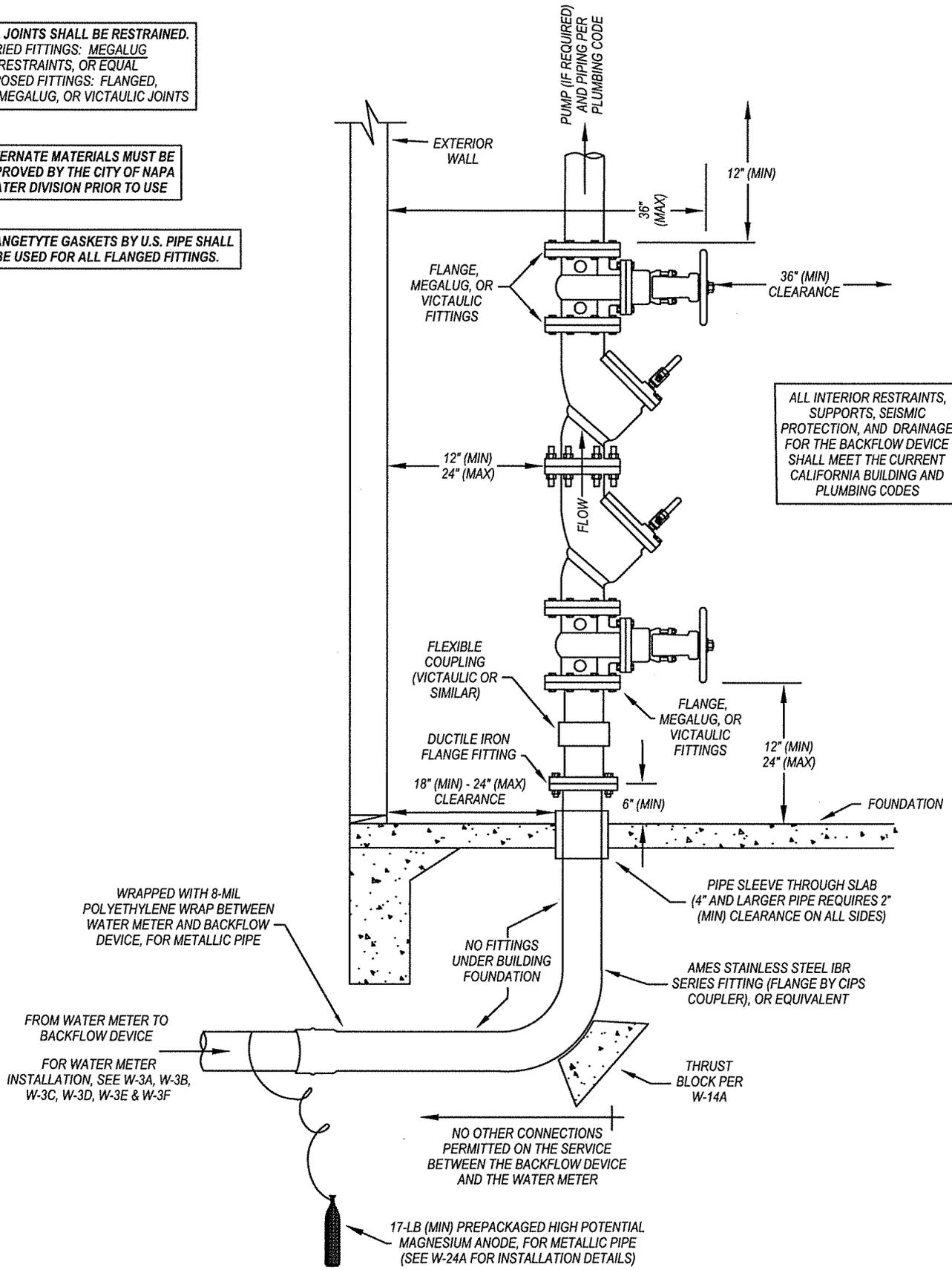


ALL JOINTS SHALL BE RESTRAINED.
 BURIED FITTINGS: MEGALUG
 RESTRAINTS, OR EQUAL
 EXPOSED FITTINGS: FLANGED,
 MEGALUG, OR VICTAULIC JOINTS

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

FLANGETYTE GASKETS BY U.S. PIPE SHALL
 BE USED FOR ALL FLANGED FITTINGS.

ALL INTERIOR RESTRAINTS,
 SUPPORTS, SEISMIC
 PROTECTION, AND DRAINAGE
 FOR THE BACKFLOW DEVICE
 SHALL MEET THE CURRENT
 CALIFORNIA BUILDING AND
 PLUMBING CODES



CITY OF NAPA

PUBLIC WORKS - WATER DIVISION

**INTERIOR DOUBLE CHECK VALVE
 BACKFLOW DEVICE INSTALLATION FOR
 3" TO 8" RESIDENTIAL WATER SERVICES**

DATE REVISED: DECEMBER 2015

CHECKED: *[Signature]*

APPROVED: *[Signature]*

SCALE: NONE

W - 5D.1

DWG NO.

NOTES

1. 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.
2. 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 WATER DIVISION CROSS CONNECTION SPECIALIST. BACKFLOW DEVICES MUST BE APPROVED BY AWWA FOR VERTICAL INSTALLATION.
3. 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 WATER DIVISION INSPECTOR FOR INSPECTION OF PIPE INSTALLATION AND TESTING FROM THE CONNECTION AT THE WATER METER TO THE BACKFLOW DEVICE.
4. NO CONNECTIONS ARE ALLOWED BETWEEN THE WATER METER AND THE DOUBLE CHECK VALVE ASSEMBLY, OR DIRECTLY TO THE BACKFLOW DEVICE.
5. ALL PARTS MUST BE EASILY ACCESSIBLE FOR INSPECTION BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
6. ANY OTHER LOCATION OR METHOD OF INSTALLATION MUST BE APPROVED IN ADVANCE BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
7. ALL BURIED SECTIONS OF METALLIC PIPE AND FITTINGS BETWEEN THE WATER METER AND THE BACKFLOW DEVICE SHALL BE WRAPPED WITH 8-MIL POLYETHYLENE WRAP. WRAPPING METALLIC PIPE AND FITTINGS BEYOND THE BACKFLOW DEVICE IS RECOMMENDED, BUT NOT REQUIRED.
8. INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST AND THE DEVICE TESTED BY A CITY APPROVED AWWA CERTIFIED BACKFLOW TESTER BEFORE WATER IS TURNED ON.
9. DOUBLE CHECK ASSEMBLY MUST BE APPROVED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
10. INTERIOR INSTALLATION 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-5C AND W-5D.
11. VERTICAL INSTALLATIONS SHALL HAVE A MINIMUM CLEARANCE OF 3-FT FROM THE FRONT OF THE DEVICE AND 18-IN TO EACH SIDE OF THE DEVICE FROM ANY STRUCTURE, UTILITY, OR OTHER FEATURE FOR ACCESSIBILITY.
12. 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.
13. DOUBLE CHECK BACKFLOW DEVICES MAY BE USED FOR IRRIGATION WATER SERVICES, EXCEPT IF AN IRRIGATION SERVES A PROPERTY USING ALTERNATE WATER SOURCES (INCLUDING WELLS, RECLAIMED WATER, PONDS, ETC.). IF ALTERNATE WATER SOURCES ARE USED, SEE W-6A FOR INSTALLATION REQUIREMENTS.
14. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED AND TESTED AND WATER METERS SHALL BE SET, PRIOR TO ANY USE OF WATER SERVICE. USE OF JUMPERS, HOSE BIBS, OR OTHER DEVICES SHALL NOT BE PERMITTED.
15. THE VISUAL IMPACT OF BACKFLOW DEVICES SHOULD BE CONSIDERED IN NOT PLACED WITHIN A UTILITY CLOSET.

CITY OF NAPA

PUBLIC WORKS - WATER DIVISION

**INTERIOR DOUBLE CHECK VALVE
BACKFLOW DEVICE INSTALLATION FOR
3" TO 8" RESIDENTIAL WATER SERVICES**

DATE REVISED: DECEMBER 2015

CHECKED: *[Signature]*

APPROVED: *[Signature]*

SCALE: NONE

W - 5D.2

DWG NO.