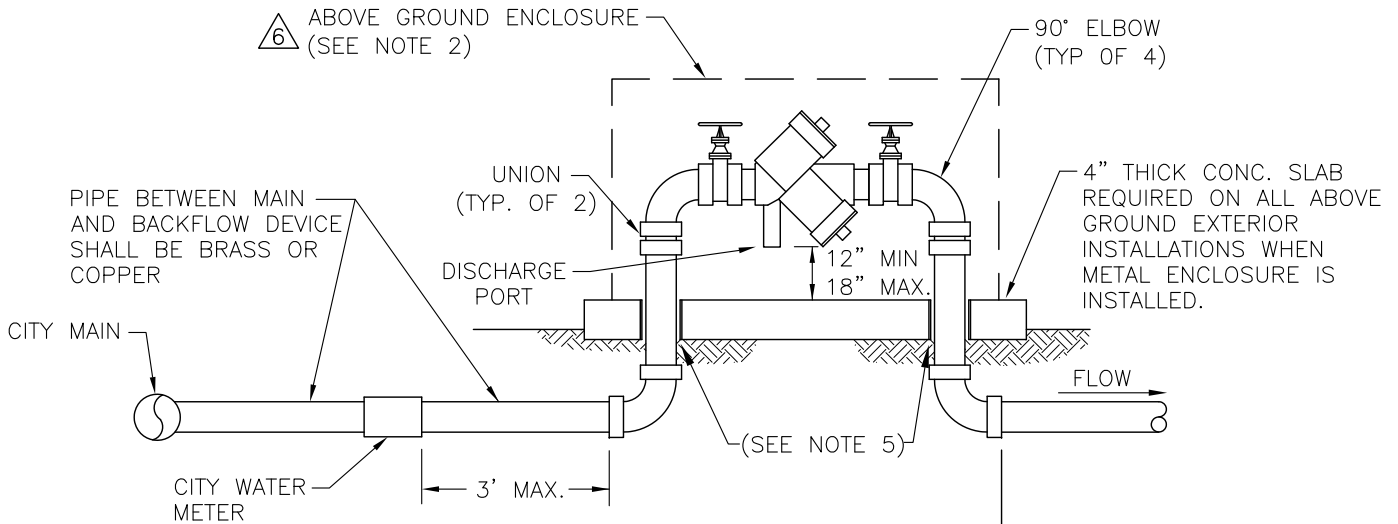


\* DISTANCE TO BE OF ADEQUATE SIZE TO ALLOW ACCESS FOR MAINTENANCE, TESTING OR REMOVAL OF BACKFLOW DEVICE.

**MINIMUM CLEARANCES**

PLAN VIEW




FOR FIRE SERVICES, APPROVAL GRANTED BY:

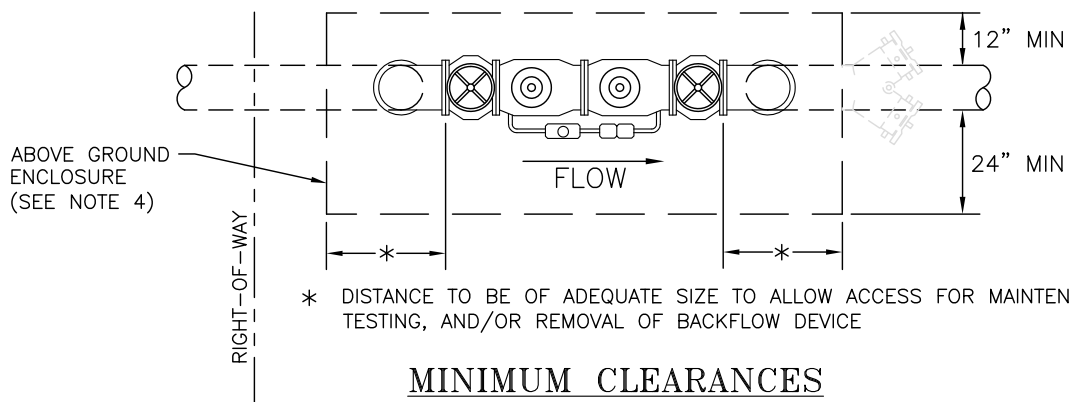
PUBLIC WORKS INSPECTOR	FIRE DEPARTMENT INSPECTOR
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**ABOVE GROUND INSTALLATION**

**NOTES:**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF REDDING CONSTRUCTION STANDARDS (CORCS), THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) AND THE UNIFORM PLUMBING CODE (U.P.C.).
2. ABOVE GROUND ENCLOSURES PER PAGE 432.25 SHALL BE REQUIRED ON ALL BACKFLOW DEVICES.
3. NO CONNECTION, OUTLET, TAP, OR TEE IS ALLOWED BETWEEN THE WATER MAIN AND THE BACKFLOW DEVICE.
4. ALL ABOVE GROUND PIPING INSTALLATIONS, 2" & SMALLER, SHALL BE RIGID COPPER OR BRASS PIPE.
5. ALL PIPING PASSING THROUGH A SLAB SHALL BE WRAPPED WITH FOAM FLEX PIPE WRAP OR EQUIV. FOR THE FULL THICKNESS OF THE SLAB.
6. BACKFLOW DEVICE SHALL BE LOCATED 3' MAX. FROM THE BACK OF THE METER.
7. ALL BACKFLOW DEVICES SHALL BE INSPECTED AND TESTED UPON INITIAL INSTALLATION BY A CERTIFIED BACKFLOW TESTER (AWWA OR ABPA).
8. WHEN ANY TYPE OF CHECK VALVE IS INSTALLED ON A DOMESTIC WATER SYSTEM MAKING IT A CLOSED SYSTEM, THE INSTALLATION OF AN EXPANSION CHAMBER ON THE WATER HEATER IS REQUIRED BY LAW (U.P.C. SEC. 1007).

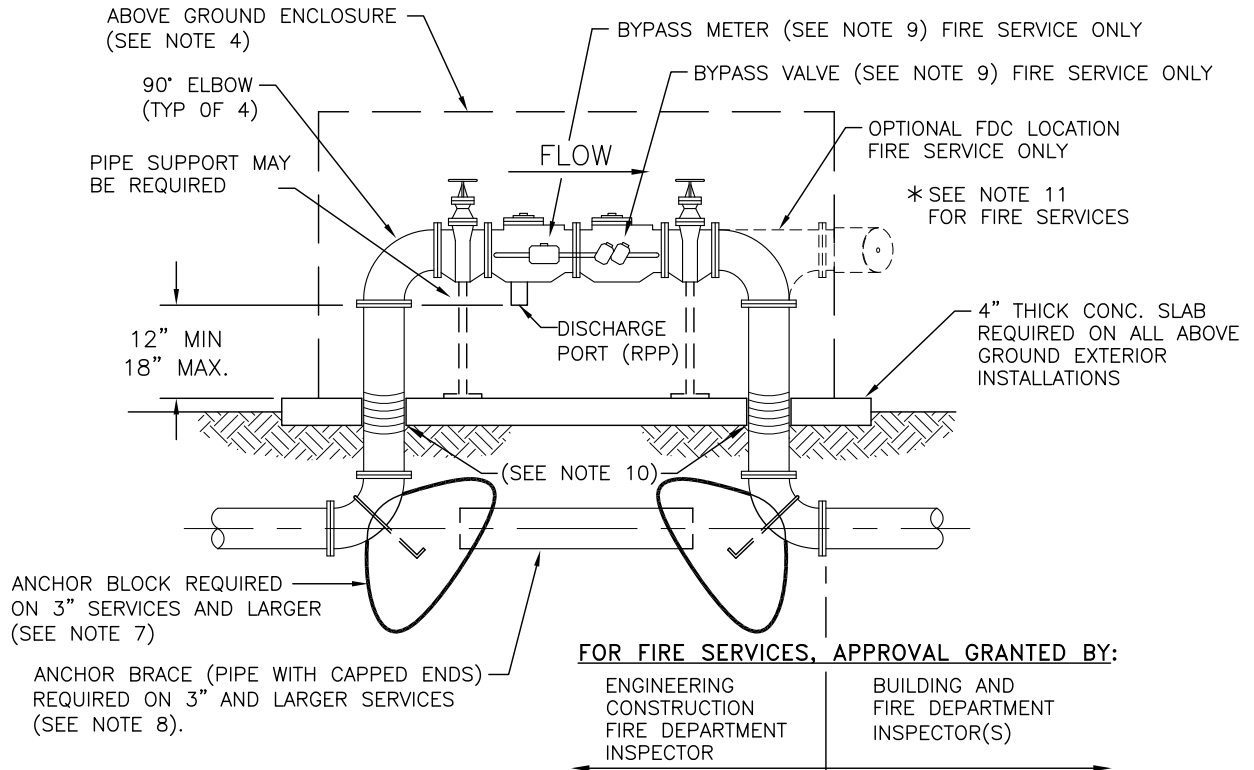
DWG DATE: 3/92		SCALE: NTS	CITY OF REDDING • PUBLIC WORKS DEPARTMENT • ENGINEERING DIVISION	
6	7/20	REVISED	APPROVED BY  8-10-20 CITY ENGINEER	
5	7/13	UPDATE		
4	4/06	NAME CHG		
MARK	DATE	REVISION	<b><u>REDUCED PRESSURE PRINCIPLE DEVICE (RPP)</u></b> 3/4" THROUGH 2"	



\* DISTANCE TO BE OF ADEQUATE SIZE TO ALLOW ACCESS FOR MAINTENANCE, TESTING, AND/OR REMOVAL OF BACKFLOW DEVICE

**MINIMUM CLEARANCES**

PLAN VIEW



**ABOVE GROUND INSTALLATION**


**NOTES:**

1. BACKFLOW DEVICES ARE REQUIRED UNDER THE STATE OF CALIFORNIA ADMINISTRATION CODE, TITLE 17, AND SHALL BE INSTALLED IN ACCORDANCE THEREOF.
2. BACKFLOW DEVICES SHALL BE INSTALLED WITHIN CITY RIGHT-OF-WAY OR EASEMENT, AS CLOSE AS PRACTICAL TO THE WATER MAIN CONNECTION, PER CCR TITLE 22.
3. ALL BACKFLOW DEVICES SHALL BE INSPECTED AND TESTED UPON INITIAL INSTALLATION BY A CERTIFIED BACKFLOW TESTER (AWWA OR ABPA).
4. ALL BACKFLOW DEVICES SHALL BE PLACED IN AN APPROVED ENCLOSURE PER PAGE 432.20.
5. ALL CONSTRUCTION AND ALL MATERIALS USED SHALL BE IN ACCORDANCE WITH THE CITY OF REDDING CONSTRUCTION STANDARDS (CORCS) AND THE SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK).
6. ALL ABOVE GROUND PIPING INSTALLATIONS, 3" AND LARGER SHALL BE DUCTILE IRON PIPE WITH FLANGED FITTINGS.
7. ALL THRUST BLOCKS OR ANCHORS TO BE DESIGNED ON AN INDIVIDUAL BASIS PER PAGE 403.00.
8. CONTRACTOR HAS THE OPTION OF DESIGNING AND CONSTRUCTING CONCRETE ANCHORS AS SHOWN OR PLACING A CONTINUOUS CONCRETE BLOCK BETWEEN ELBOWS. IF SOIL IS UNDISTURBED, CONTRACTOR MAY OMIT BRACE WITH PRIOR CITY APPROVAL.
9. ALL FIRE SERVICES ARE REQUIRED TO HAVE A BYPASS LINE WHICH SHALL HAVE A DETECTOR CHECK VALVE AND A METER AND ATTACHMENT OF BYPASS LINE SHALL BE THREADED. BYPASS LINE ON FIRE SERVICE ONLY.
10. ALL PIPING PASSING THROUGH A SLAB SHALL BE WRAPPED WITH FOAM FLEX PIPE WRAP OR EQUIV. FOR THE FULL THICKNESS OF THE SLAB.
11. BACKFLOW PREVENTERS ON FIRE LINES MAY REQUIRE TAMPER SWITCHES ON THE SHUT OFF VALVES. CONTACT CITY OF REDDING PLAN REVIEW AND FIRE DEPARTMENT.

**FOR FIRE SERVICES, APPROVAL GRANTED BY:**

ENGINEERING  
CONSTRUCTION  
FIRE DEPARTMENT  
INSPECTOR

BUILDING AND  
FIRE DEPARTMENT  
INSPECTOR(S)

DWG DATE: 5/91		SCALE: NTS	CITY OF REDDING • PUBLIC WORKS DEPARTMENT • ENGINEERING DIVISION	
8	7/20	ADDED NOTES 10&11 3" FROM 4" UPDATE STD EDIT NOTE	APPROVED BY  8-7-20 CITY ENGINEER	
7	10/18			
6	7/13			
5	4/06			
MARK	DATE	REVISION	<b>REDUCED PRESSURE PRINCIPLE DEVICE (RPP)</b> 3" AND LARGER	

P:\\_STANDARDS\CONSTRUCTION STANDARDS\DWG\400\43100.DWG, 8/7/2020 11:29:01 AM