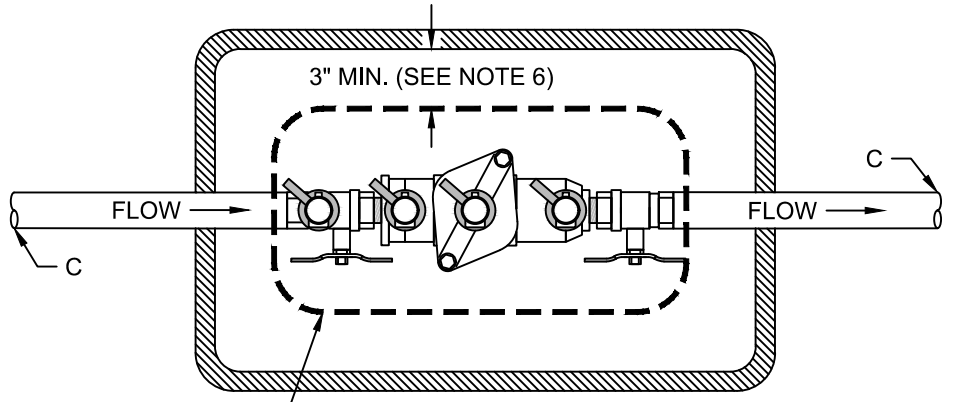


PROPERTY LINE
OR EASEMENT

PLAN VIEW
BELOW GROUND

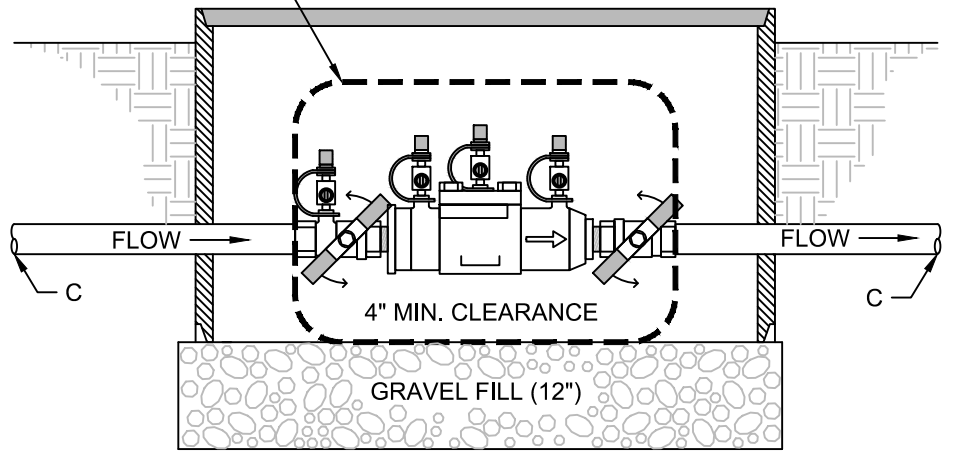


3" MIN. (SEE NOTE 6)

BACKFLOW PREVENTER TO BE
CENTERED IN BOX

APPROVED DOUBLE
CHECK BACKFLOW
PREVENTER

PROFILE VIEW
BELOW GROUND

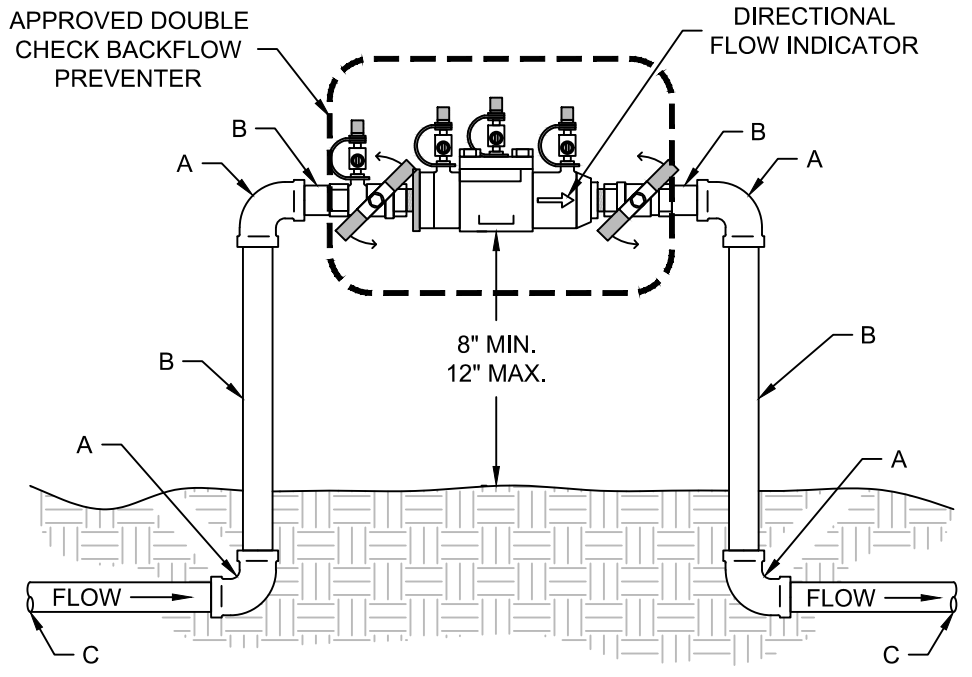


4" MIN. CLEARANCE

GRAVEL FILL (12")

FROM METER OR
SERVICE TIE-IN SEE
DETAIL 520S-WMT-SM
FOR SERVICE TIE-IN

PROFILE VIEW
ABOVE GROUND



DIRECTIONAL
FLOW INDICATOR

APPROVED DOUBLE
CHECK BACKFLOW
PREVENTER

8" MIN.
12" MAX.

The City of San Marcos
Engineering and Capital Improvements

CURRENT AS OF
1/1/2021

**DOUBLE CHECK VALVE BACKFLOW PREVENTION
ASSEMBLY 3/4"-2"**

RECORD COPY SIGNED BY
LAURIE MOYER, P.E.

1/1/2020
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
520S-19D-SM
1 OF 2

RECOMMENDED MATERIALS LIST

LABEL	ITEM	SIZE			
		3/4"	1"	1 1/2"	2"
	BACKFLOW PREVENTER SIZE	3/4"	1"	1 1/2"	2"
A	BRASS ELBOW 90° BEND	3/4"	1"	1 1/2"	2"
B	BRASS NIPPLE THREADED BY THREADED	3/4"	1"	1 1/2"	2"
C	BRASS NIPPLE THREADED	3/4"	1"	1 1/2"	2"

NOTES:

- 1. FIRE LINES REQUIRE A DETECTOR ASSEMBLY ON THE BACKFLOW DEVICE.**
2. BACKFLOW PREVENTER MUST BE PROTECTED FROM WEATHER.
3. BACKFLOW PREVENTER SHOULD BE AS CLOSE AS POSSIBLE TO SERVICE CONNECTION ON PROPERTY OWNER SIDE OF EASEMENT OR PROPERTY LINE.
4. A TRANSITION FROM PVC TO BRASS WITH A COUPLING MAY BE RECOMMENDED AFTER METER VAULT BEFORE THE BACKFLOW PREVENTER.
5. A UNMETERED FIRE LINE WILL USE DETAIL 520S-WMT-SM WITH TAP SIZE EQUAL TO BACKFLOW PREVENTER SIZE TO CONNECT TO CITY WATER LINE.
6. 3" MIN. CLEARANCE FROM ALL WALLS OF METER.

REFERENCES
 DETAIL 520S-WMT-SM

The City of San Marcos Engineering and Capital Improvements	CURRENT AS OF 1/1/2021	DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY 3/4"-2"	
RECORD COPY SIGNED BY LAURIE MOYER, P.E.	1/1/2020 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520S-19D-SM 2 OF 2