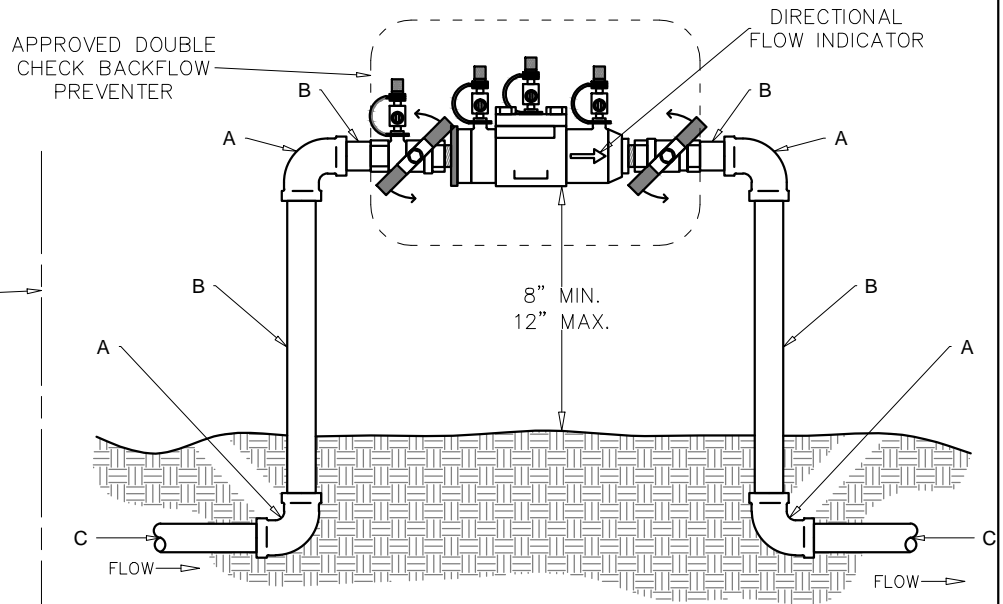


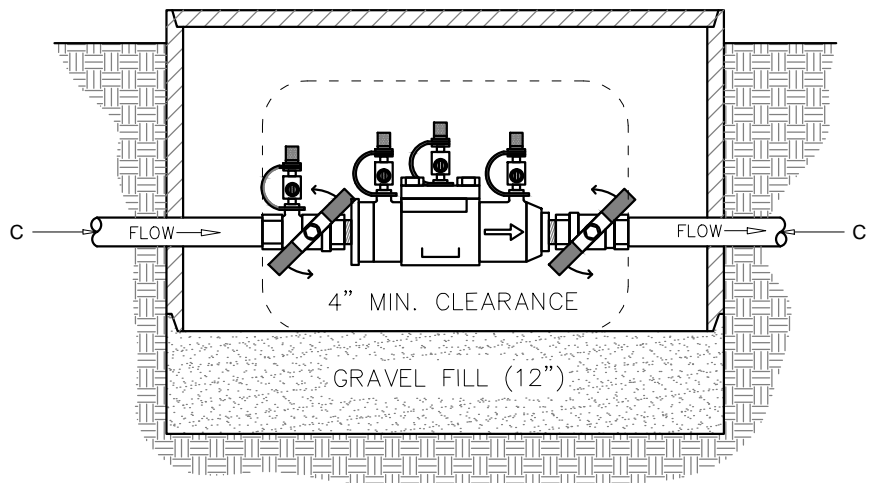
PROFILE VIEW
ABOVE GROUND

PROPERTY LINE
OR EASEMENT

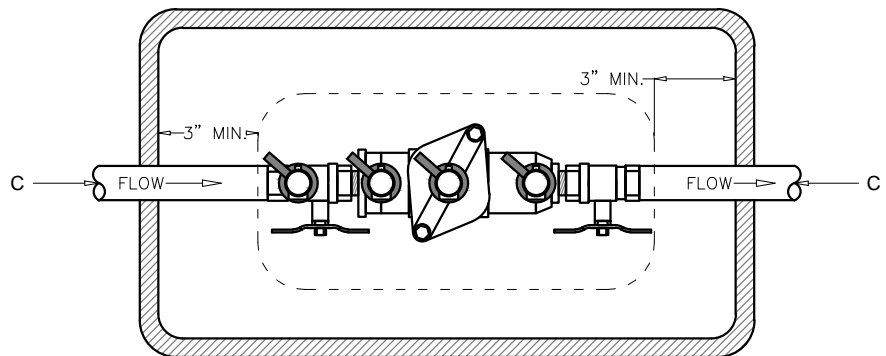
FROM METER OR
SERVICE TIE-IN SEE
DETAIL 520S-WMT-SM
FOR SERVICE TIE-IN



PROFILE VIEW
BELOW GROUND



PLAN VIEW
BELOW GROUND



BACKFLOW PREVENTER TO
BE CENTERED IN BOX

SHT 2 OF 2

The City of San Marcos
Engineering and Capital Improvements

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

RECORDED COPY SIGNED BY
Laurie Moyer, P.E. 10/7/2014
ADOPTED

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

520S-19D-SM
N.T.S. STANDARD DETAIL

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.

REFERENCES
 DETAIL 520S-MT-SM

SHT 2 OF 2

The City of San Marcos Engineering and Capital Improvements		DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY 3/4"-2"	
RECORDED COPY SIGNED BY <hr/> LAURIE MOYER, P.E.	10/7/2014 <hr/> ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD	520S-19D-SM N.T.S. STANDARD DETAIL