



**REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY IS NOT ALLOWED BELOW GROUND**

RECOMMENDED MATERIALS LIST					
LABEL	ITEM	SIZE			
	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. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY IS NOT ALLOWED BELOW GROUND.
3. BACKFLOW PREVENTER MUST BE PROTECTED FROM WEATHER.
4. BACKFLOW PREVENTER SHOULD BE AS CLOSE AS POSSIBLE TO SERVICE CONNECTION ON PROPERTY OWNER SIDE OF EASEMENT OR PROPERTY LINE.
5. A TRANSITION FROM PVC TO BRASS WITH A COUPLING MAY BE RECOMMENDED AFTER METER VAULT BEFORE THE BACKFLOW PREVENTER.
6. FIRE LINES REQUIRE A DETECTOR ASSEMBLY ON THE BACKFLOW DEVICE.
7. AN 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-WMT-SM

The City of San Marcos Engineering and Capital Improvements	CURRENT AS OF 1/1/2020	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY 3/4" - 2"	
RECORD COPY SIGNED BY LAURIE MOYER, P.E.	6/2/2017 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>520S-19F-SM</b> 1 OF 1