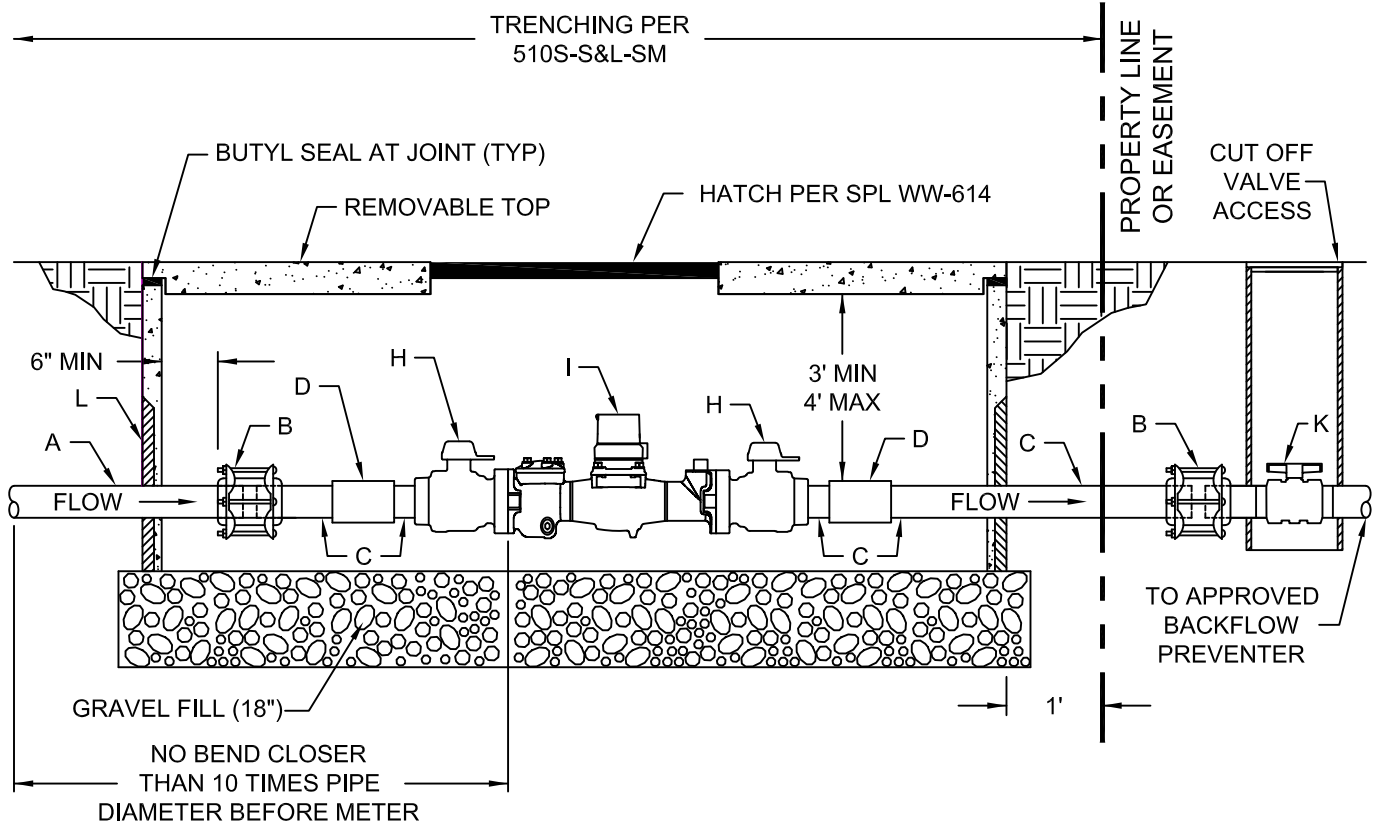


**PLAN VIEW**



**PROFILE VIEW**

<p><b>The City of San Marcos</b> Engineering and Capital Improvements</p>	<p>CURRENT AS OF 1/1/2020</p>	<p><b>2" DOMESTIC METER SERVICE CONNECTION WITH BYPASS</b></p>	
<p>RECORD COPY SIGNED BY LAURIE MOYER, P.E.</p>	<p>6/2/2017 ADOPTED</p>	<p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p>	<p>STANDARD NO. <b>520S-13.4-SM</b> 1 OF 2</p>

MATERIALS		
LABEL	ITEM	SIZE
A	SUPPLY PIPE SCH. 80 FULLY RESTRAINED PER STANDARD PRODUCT LIST NO. WW-587	2"
B	RESTRAINT DRESSING COUPLINGS - MAXI-GRIP OR APPROVED EQUIVALENT PER STANDARD PRODUCT LIST NO. WW-587B	2"
C	BRASS NIPPLES-THREADED X THREADED	2"
D	THREADED BRASS FEMALE/FEMALE TEE	2"
E	BRASS NIPPLE THREADED BY THREADED (LENGTH MINIMUM OF 12")	2"
F	BRASS 90° BEND FULLY RESTRAINED-THREADED	2"
G	THREADED BRONZE BALL VALVE WITH LOCK WINGS FEMALE BY FEMALE PER STANDARD PRODUCT LIST NO. WW-68	2"
H	THREADED BRONZE BALL VALVE WITH LOCK WINGS FEMALE BY FLANGE PER STANDARD PRODUCT LIST NO. WW-68	2"
I	WATER METER PER STANDARD PRODUCT LIST NO. WW-144 WATER METERS	2"
K	CUSTOMER CUT OFF VALVE	2"
L	METER VAULTS PER STANDARD PRODUCT LIST NO. WW-298	5' X 5'

NOTES:

1. TOP OF METER VAULT SHALL BE 1" ABOVE GRADE AFTER REVEGETATION OR FLUSH WITH PAVEMENT SURFACE. METER VAULT WILL BE LOCATED BEHIND BACK CURB, OUT OF SIDEWALK OR TRAFFIC LOADED AREA.
2. FOR PIPES AND FITTINGS OUTSIDE THE METER VAULT SHALL BE EMBEDDED AND BACKFILLED PER DETAIL 510S-S&L-SM WITHIN THE ROW OR EASEMENT.
3. WATER METER WILL BE HORIZONTALLY CENTERED WITH THE METER VAULT.
4. TAP TO CITY WATER LINE WILL BE PER CITY DETAIL 510S-WMT-SM WITH A 2" TAP TO THE MAIN.
5. IF THE METER VAULT IS SET AFTER THE METER IS INSTALLED, SIDE NOTCHES IN THE VAULT TO BE FILLED WITH MORTAR AFTER INSTALLATION OF PIPE.
6. TO APPROVED BACKFLOW PREVENTER WILL BE INSTALLED AFTER CUSTOMER CUT OFF VALVE BEHIND PROPERTY LINE OR EASEMENT.
7. PIPES AND FITTINGS TO BE AS SHOWN PER DETAIL.
8. FOR APPROVED METER TYPE CALL THE WATER & WASTEWATER UTILITIES DEPT. AT (512)393-8010.
9. ALL FITTINGS BETWEEN RESILIENT WEDGE GATE VALVE AND VAULT SHALL BE C.I. AND RESTRAINED.
10. IF METER VAULT HAS CONCRETE BASE A DRAIN MINIMUM 6" DIAMETER WILL BE INSTALLED AND BASE WILL BE GRADED TO DRAIN TO THE DRAIN.

REFERENCES

DETAIL 510S-S&L-SM  
 DETAIL 520S-WMT-SM

The City of San Marcos Engineering and Capital Improvements		CURRENT AS OF 1/1/2020	2" DOMESTIC METER SERVICE CONNECTION WITH BYPASS	
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-13.4-SM</b> 2 OF 2