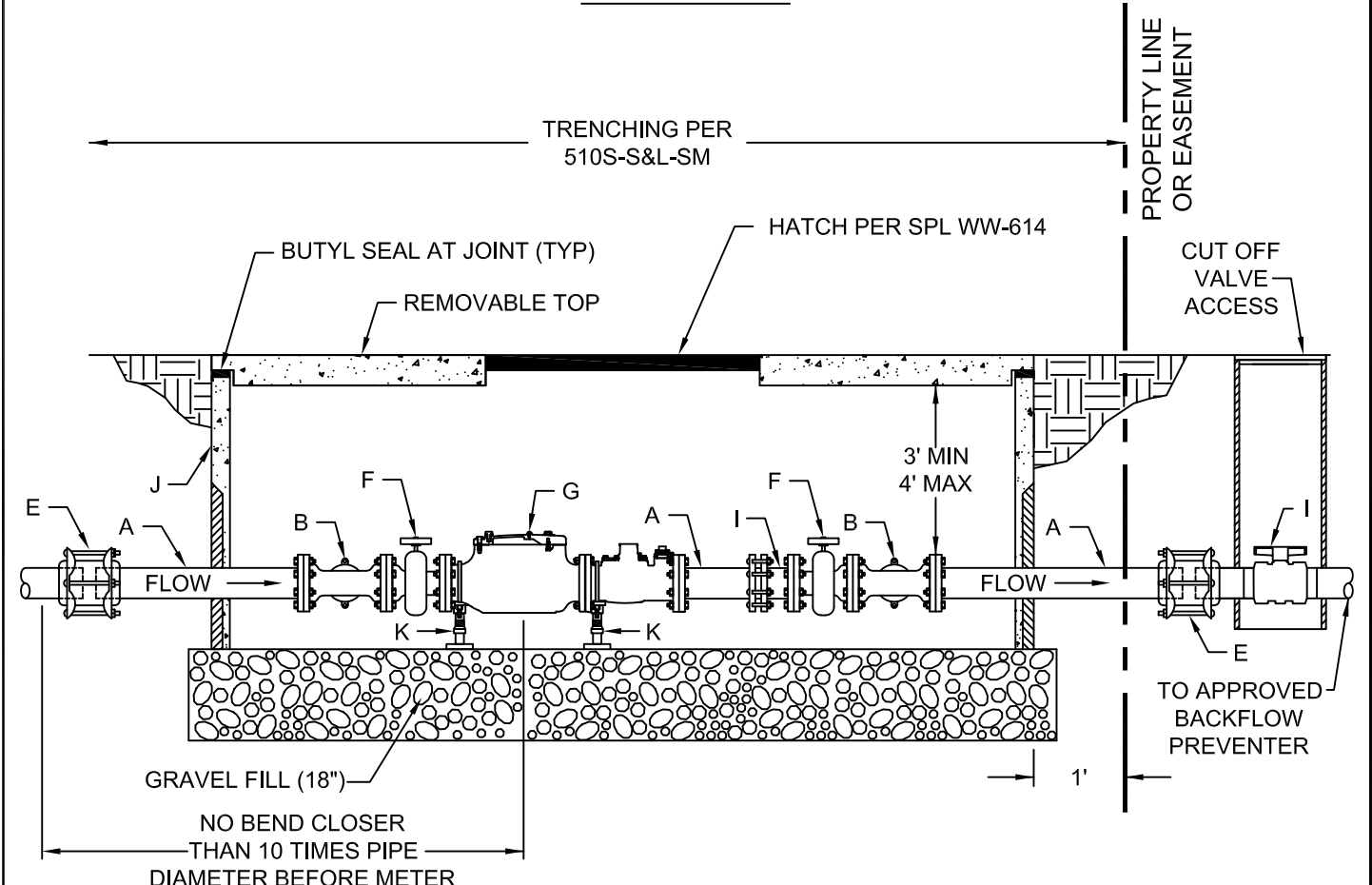


PLAN VIEW



PROFILE VIEW

<p>The City of San Marcos Engineering and Capital Improvements</p>	<p>CURRENT AS OF 11/1/2020</p>	<p>FIRE DOMESTIC METER INSTALLATION</p>	
<p>RECORD COPY SIGNED BY LAURIE MOYER, P.E.</p>	<p>11/1/2020 ADOPTED</p>	<p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p>	<p>STANDARD NO. 520S-17-SM 1 OF 2</p>

MATERIALS				
LABEL	ITEMS	METER SIZE		
		6"	8"	10"
A	DUCTILE IRON FLANGE X PLAIN END PER SPL.WW-27	6"	8"	10"
B	DUCTILE IRON TEE FLANGE X FLANGE PER SPL. WW-27B	6"	8"	10"
C	DUCTILE IRON PIPE FLANGE X FLANGE (LENGTH MINIMUM OF 12") PER SPL. WW-27	6"	8"	10"
D	DUCTILE IRON 90° BEND - FLANGE PER SPL. WW-27B	6"	8"	10"
E	RESTRAINT DRESSING COUPLINGS - MAXI-GRIP OR APPROVED EQUIVALENT PER SPL. WW-506	6"	8"	10"
F	SHUT OF VALVE, RESILIENT WEDGE GATE, FLANGE PER SPL. WW-700B WITH HAND WHEEL	6"	8"	10"
G	COMBO WATER METER PER STANDARD PRODUCT LIST NO. WW-144 WATER METERS	6"	8"	10"
H	CUSTOMER CUT OFF VALVE	6"	8"	10"
I	OMNI CAST INSULATING FLANGED COUPLING ADAPTER MODEL 932 OR APPROVED EQUAL	6"	8"	10"
J	METER VAULTS PER STANDARD PRODUCTS LIST WW-298 - SPL LISTS SIZES	8' X 12'	10' X 15'	10' X 15'
K	PIPE SUPPORT. (ANVIL INTERNATIONAL, INC. PIPE SUPPORT AND STAND "FIG. 265 AND FIG. 63T" OR APPROVED EQUIVALENT.)	REQUIRED		

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. TAP TO CITY WATER LINE WILL BE PER CITY DETAIL 510S-WMT-SM. TAP SIZE EQUALS THE METER SIZE.
4. 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.
5. PIPES AND FITTINGS TO BE AS SHOWN PER DETAIL.
6. 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 11/1/2020	FIRE DOMESTIC METER INSTALLATION	
RECORD COPY SIGNED BY LAURIE MOYER, P.E.	11/1/2020 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 520S-17-SM 2 OF 2	