



The City of San Marcos  
Engineering and Capital Improvements

RECORD COPY SIGNED BY 6/2/2017  
LAURIE MOYER, P.E. ADOPTED

4", 6", 8" AND 10" DOMESTIC METER SERVICE CONNECTION WITH BYPASS

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

STANDARD NO. 520S-15B-SM  
1 OF 2

MATERIALS					
LABEL	ITEMS	METER SIZE			
		4"	6"	8"	10"
A	SUPPLY PIPE C900 OR DUCTILE IRON FULLY RESTRAINED PER SPL. WW-308	4"	6"	8"	10"
B	DUCTILE IRON TEE M.J. X M.J. PER SPL. WW-27B	4"	6"	8"	10"
C	SUPPLY PIPE C900 OR DUCTILE IRON FULLY RESTRAINED (LENGTH MINIMUM OF 12") PER SPL. WW-308	4"	6"	8"	10"
D	DUCTILE IRON 90° BEND - MEGALUG RESTRAINT, OR APPROVED EQUIVALENT PER SPL. WW-27B	4"	6"	8"	10"
E	RESTRAINT DRESSING COUPLINGS - MAXI-GRIP OR APPROVED EQUIVALENT PER SPL. WW-506	4"	6"	8"	10"
F	RESILIENT WEDGE GATE VALVE, M.J., WHEEL HANDLE PER SPL. WW-700B	4"	6"	8"	10"
G	SHUT OFF VALVE, RESILIENT WEDGE GATE, FLANGE X M.J.	4"	6"	8"	10"
H	WATER METER PER STANDARD PRODUCT LIST NO. WW-144 WATER METERS	4"	6"	8"	10"
I	CUSTOMER CUT OFF VALVE	4"	6"	8"	10"
J	METER VAULTS PER STANDARD PRODUCTS LIST WW-298	5' X 7'	7' X 10'		
K	PIPE SUPPORT. (ANVIL INTERNATIONAL, INC. PIPE SUPPORT AND STAND "FIG. 265 AND FIG. 63T" OR APPROVED EQUIVALENT.)	REQUIRED	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. WATER METER WILL BE HORIZONTALLY CENTERED WITH THE METER VAULT.
4. TAP TO CITY WATER LINE WILL BE PER CITY DETAIL 510S-WMT-SM. TAP SIZE EQUALS THE METER SIZE.
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. IF METER VAULT HAS CONCRETE BASE A DRAIN MINIMUM 6" DIAMETER WILL BE INSTALLED AND BASE WILL BE GRADED TO DRAIN TO THE DRAIN.
10. THE FLANGE SIDE OF GATE VALVES WILL CONNECT TO METER.

REFERENCES

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

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