



<b>The City of San Marcos</b> Engineering and Capital Improvements	CURRENT AS OF 1/1/2021	<b>3" DOMESTIC METER SERVICE          CONNECTION WITH BYPASS</b>	
RECORD COPY SIGNED BY LAURIE MOYER, P.E.	1/1/2021 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>520S-15A-SM</b> 1 OF 2

MATERIALS		
LABEL	ITEM	SIZE
A	SUPPLY PIPE SCH. 80 FULLY RESTRAINED SPL. WW-587	3"
B	DUCTILE IRON TEE MJ X MJ SPL. WW-587B	3"
C	SUPPLY PIPE SCH. 80 FULLY RESTRAINED (LENGTH MINIMUM OF 12") SPL. WW-587	3"
D	DUCTILE IRON 90° BEND - HARCO KNUCKLE JOINT RESTRAINT, OR APPROVED EQUIVALENT SPL. WW-587B	3"
E	RESTRAINT DRESSING COUPLINGS - MAXI-GRIP OR APPROVED EQUIVALENT SPL. WW-587B	3"
F	RESILIENT WEDGE GATE VALVE, M.J., WHEEL HANDLE SPL. WW-700B	3"
G	SHUT OF VALVE, RESILIENT WEDGE GATE, FLANGE X M.J. SPL. WW-700B	3"
H	WATER METER PER STANDARD PRODUCT LIST NO. WW-144 WATER METERS	3"
I	CUSTOMER CUT OFF VALVE	3"
J	METER VAULTS PER STANDARD PRODUCTS LIST WW-298	5'X7'
K	PIPE SUPPORT. (ANVIL INTERNATIONAL, INC. PIPE SUPPORT AND STAND "FIG. 265 AND FIG. 63T" OR APPROVED EQUIVALENT.)	REQUIRED

NOTES:

- 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.
- FOR PIPES AND FITTINGS OUTSIDE THE METER VAULT SHALL BE EMBEDDED AND BACKFILLED PER DETAIL 510S-S&L-SM WITHIN THE ROW OR EASEMENT.
- WATER METER WILL BE HORIZONTALLY CENTERED WITH THE METER VAULT.
- TAP TO CITY WATER LINE WILL BE PER CITY DETAIL 510S-WMT-SM WITH A 4" TAP TO THE MAIN.
- 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.
- TO APPROVED BACKFLOW PREVENTER WILL BE INSTALLED AFTER CUSTOMER CUT OFF VALVE BEHIND PROPERTY LINE OR EASEMENT.
- PIPES AND FITTINGS TO BE AS SHOWN PER DETAIL.
- FOR APPROVED METER TYPE CALL THE WATER & WASTEWATER UTILITIES DEPT. AT (512)393-8010.
- IF METER VAULT HAS CONCRETE BASE A DRAIN MINIMUM 6" DIAMETER WILL BE INSTALLED AND BASE WILL BE GRADED TO DRAIN TO THE DRAIN.
- THE FLANGE SIDE OF GATE VALVES WILL CONNECT TO METER.

REFERENCES

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

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