



**MATERIAL LIST**

LABEL	ITEM	SIZE
A	TEE ROTATED 45° PER STANDARD PRODUCT LIST NO. WW-27B	MAIN SIZE x 6"
B	DUCTILE IRON 45° BEND - MEGALUG RESTRAINT, OR APPROVED EQUIVALENT M.J. X M.J. WITH M.J. ADAPTOR PER STANDARD PRODUCT LIST NO. WW-27B	6"
C	SUPPLY PIPE C900 OR DUCTILE IRON FULLY RESTRAINED PER STANDARD PRODUCT LIST NO. WW-308	6"
D	GATE VALVE (RESILIENT WEDGE GATE, IRON BODY MJ X MJ) WITH VALVE BOX. SEE DETAIL 511S-7-SM FOR GATE VALVE INSTALLATION.	6"

**NOTES:**

- ALL DUCTILE IRON PIPE, SLEEVE AND FITTINGS WILL BE COMPLETELY WRAPPED WITH 8-MIL POLYETHYLENE FILM.
- ALL BACKFILL AND EMBEDMENT PER TRENCH DETAIL 510S-S&L-SM.
- THIS DETAIL IS ONLY FOR WATER MAINS THAT ARE 16" OR LARGER AT LOW POINTS ON THE MAIN.
- INSTALL FIRE HYDRANT PER CITY DETAIL 511S-17-SM
- FOR FLUSHING OPERATION FIRE HYDRANT WILL BE FULLY OPENED TO PREVENT ROCKS AND DEBRIS FROM WEDGING IN THE FIRE HYDRANT PLUG.
- 45° DUCTILE IRON BENDS MAY BE USED AFTER GATE VALVE TO BRING SUPPLY PIPE TO FIRE HYDRANT TO PROPER GRADE.
- CONNECTION TEE SHALL HAVE A 24" MIN. SEPARATION FROM THE WATER MAIN BELLS AND SPIGOTS.

**REFERENCES**

DETAIL 510S-S&L-SM  
 DETAIL 511S-7-SM  
 DETAIL 511S-17-SM

<b>The City of San Marcos</b> Engineering and Capital Improvements		CURRENT AS OF 1/1/2020	<b>BLOW-OFF HYDRANT</b>	
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>511S-BH-SM</b> 1 OF 1