



<p>APPROVED:</p> <p><i>Wally G...</i> 11-20-2021</p> <p>District Engineer Date</p> <p>10/20/2021</p> <p>Latest Revision Date</p>	<p>VALLEY CENTER MUNICIPAL WATER DISTRICT STANDARD DRAWING</p> <p>4" AND LARGER FIRE SERVICE INSTALLATION</p>	<p>NOT TO SCALE</p> <p>DWG. NUMBER W-8 SHT 1 of 2</p>
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FOR DRAWING OF FIRE SERVICE INSTALLATION SEE SHEET 1 OF 2

NOTES:

- A. INSTALL WARNING/IDENTIFICATION TAPE.
- B. LOCATION OF FIRE SERVICES SHALL BE AS DIRECTED BY THE FIRE DEPARTMENT OF JURISDICTION. FIRE SERVICES SHOULD BE LOCATED IN SUCH A MANNER THAT WILL ALLOW THE DEVICE TO BE READILY ACCESSIBLE FOR INSPECTION, REPAIR, AND USAGE.
- C. TAMPER SWITCH, AUTOMATIC RESET, CHAIN WITH KNOX LOCK, AND FIRE DEPARTMENT CONNECTION ("FDC") SHALL BE AS REQUIRED BY THE FIRE DEPARTMENT OF JURISDICTION.
- D. BALL VALVE TEST COCKS SHALL BE PROVIDED AND LOCATED PER THE MANUFACTURERS RECOMMENDATIONS AND THE DISTRICT.
- E. INSTALL FIRE SERVICES SO THAT THE DISTANCE BETWEEN THE BOTTOM OF THE RELIEF DIAPHRAGM AND THE CONCRETE SLAB OR FINISH GRADE IS 18" MIN. AND 36" MAX.
- F. INSTALL AN ANGLE PRESSURE REDUCING VALVE IN LIEU OF THE FIRST 90° BEND WHEN SYSTEM STATIC PRESSURE EXCEEDS 175psi OR WHEN RECOMMENDED BY THE BACKFLOW MANUFACTURER.
- G. ABOVE GROUND APPURTENANCE SHALL BE PAINTED AND IDENTIFIED AS CALLED FOR BY THE FIRE DEPARTMENT OF JURISDICTION.
- H. ACCEPTABLE TESTING BY A DISTRICT APPROVED BACKFLOW TESTER TURNED INTO THE DISTRICT PRIOR TO FINAL ACCEPTANCE.
- I. MATERIALS SHALL BE SELECTED FROM THE APPROVED MATERIALS LIST AND MUST BE APPROVED BY THE FIRE DEPARTMENT OF JURISDICTION.
- J. DISTRICT EASEMENT WILL BE REQUIRED FOR ACCESSIBILITY OF THE TATTLETALE METER.
- K. WHEN TAPPING EXISTING MAIN, POTHOLE TO VERIFY AT MINIMUM NO JOINTS EXIST WITHIN 36" OF CONNECTION POINT.
- L. SEE PREVIOUS SHEET FOR RESTRAINED CONNECTION.
- M. 4" WHARF HEAD TO BE INSTALLED UPON FIRE DEPARTMENT REQUEST.

NO.	DESCRIPTION	NO.	DESCRIPTION
1	CONCRETE THRUST BLOCK, PER W-20	12	FLANGED OS&Y RESILIENT WEDGE GATE VALVE W/ HAND WHEEL AND RISING STEM
2	VALVE SUPPORT, PER W-21	13	RPDA, SEE NOTE D ABOVE
3	VALVE WELL FRAME, ASSEMBLY, AND COVER, PER W-25	14	CHAIN WITH LOCK, SEE NOTE C ABOVE
4	SIZE x SIZE TEE (FLG OUTLET)	15	FLANGED TEE WITH "FDC", SEE NOTE C ABOVE
5	FLG x FLG RESILIENT WEDGE GATE VALVE	16	CONCRETE SLAB, 4" THICK x 48" WIDE, 520-C-2500 LENGTH DETERMINED BY LENGTH OF DEVICE
6	FLG x MJ/PO ADAPTER (IF REQUIRED)	17	3/4" BYPASS, DISTRICT OWNED TATTLETALE METER IN CUBIC FEET
7	D.I. OR P.V.C.	18	ADJUSTABLE PIPE SUPPORT, PER W-34
8	FLG x FLG 90° BEND	19	DUCTILE IRON PIPE
9	FLANGED x FLANGED x REQ'D LENGTH DUCTILE IRON PIPE	20	FLANGED ANGLE PRESSURE REDUCING VALVE SEE NOTE F ABOVE
10	1/2" EXPANSION JOINT	21	CARSON 708 TRACER WIRE BOX
11	FLANGED 90° BEND, SEE NOTE F ABOVE	22	D.I. TEE REQ SIZE W/4" WHARFHEAD

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**4" AND LARGER
FIRE SERVICE INSTALLATION**