



NOTE:

- A. ALL CONNECTIONS TO BE RESTRAINED OR THRUST BLOCKED PER W-20.
- B. FOR NOTES REGARDING THE INSTALLATION AND DESCRIPTION OF FIRE SERVICES. SEE SHEET 2 OF 2.



LEGEND ON PLANS

APPROVED:	
	03/02/2026
District Engineer	Date
3/2/2026	
Latest Revision Date	

	VALLEY CENTER MUNICIPAL WATER DISTRICT STANDARD DRAWING
4-INCH AND LARGER FIRE SERVICE	

NOT TO SCALE
DWG. NUMBER W-8 SHT 1 of 2

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-INCH MIN. AND 36-INCH 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, POT HOLE TO VERIFY AT MINIMUM NO JOINTS EXIST WITHIN 36-INCHES OF CONNECTION POINT.
- L. SEE PREVIOUS SHEET FOR RESTRAINED CONNECTION.

NO.	DESCRIPTION	NO.	DESCRIPTION
1	CONCRETE THRUST BLOCK, PER W-20	16	3/4-INCH BYPASS TATTLETALE METER (DISTRICT OWNED) IN CUBIC FEET
2	VALVE SUPPORT, PER W-21	17	ADJUSTABLE PIPE SUPPORT, PER W-34
3	VALVE WELL FRAME, ASSEMBLY, AND VALVE CAN LID PER W-25	18	SERVICE SIZE DUCTILE IRON PIPE
4	SIZE x SIZE TEE OR SERVICE SIZE TAPPING SLEEVE (FLG OUTLET)	19	SERVICE SIZE FLG ANGLE PRESSURE REDUCING VALVE (IN LIEU OF FIRST 90° BEND), SEE NOTE F
5	SERVICE SIZE FLG x FLG RESILIENT WEDGE GATE VALVE	20	CARSON 708 TRACER WIRE BOX
6	SERVICE SIZE FLG x MJ/PO ADAPTER (IF REQUIRED)	21	WELD WRAPPER
7	SERVICE SIZE DUCTILE IRON OR PVC	22	WELD NOZZLE
8	SERVICE SIZE FLG x FLG 90° BEND	23	WELD FLANGE
9	SERVICE SIZE FLG x FLG x REQUIRED LENGTH DUCTILE IRON PIPE	24	WARNING TAPE
10	SERVICE SIZE FLG 90° BEND, SEE NOTE F ABOVE	25	TRACER WIRE
11	SERVICE SIZE FLG OS&Y RESILIENT WEDGE GATE VALVE W/HANDWHEEL AND RISING STEM	26	REDWOOD BLOCKS 2-INCH x 4-INCH x 12-INCH LONG
12	SERVICE SIZE RPDA, SEE NOTE D ABOVE	27	NOT USED
13	CHAIN WITH LOCK, SEE NOTE C ABOVE	28	NOT USED
14	SERVICE SIZE FLG TEE WITH "FDC", SEE NOTE C ABOVE	29	NOT USED
15	CONCRETE SLAB, 4-INCH THICK x 48-INCH WIDE, 520-C-2500 LENGTH DETERMINED BY DEVICE LENGTH	30	NOT USED

APPROVED:  District Engineer	03/02/2026 Date	 VALLEY CENTER MUNICIPAL WATER DISTRICT STANDARD DRAWING	NOT TO SCALE
			DWG. NUMBER W-8 SHT 2 of 2
3/2/2026 Latest Revision Date	4-INCH AND LARGER FIRE SERVICE		