



ITEM	DESCRIPTION
1	MAINLINE DIA. x BRANCH DIA. (A.W.W.A.) FLANGED OUTLET TEE.
2	VALVE BOX & GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. B-1 (USE 14" BFV PER J.C.S.D. STD. B-3 FOR 14" DIA. BRANCH LATERAL).
3	150# SLIP ON FLANGE (TYPICAL).
4	CML/CMC W.S.P. (12 GA. MIN.).
5	BRANCH x METER SIZE A.W.W.A. "FLAT TOP" FLANGED REDUCER.
6	CML/CMC A.W.W.A. FLANGED TEE.
7	STD. WT. STL. PIPE, CML/CMC.
8	CML/CMC A.W.W.A. FLANGED 90° BEND (CEMENT MORTAR LINED CAST IRON 90° BEND MAY BE SUBSTITUTED UPON APPROVAL BY DISTRICT).
9	KNOCKOUTS AS REQUIRED (2" LARGER THAN PIPE SIZE O.D. ALL AROUND) DRY PACK ALL AROUND PIPE.
10	NOT USED
11	NOT USED
12	METER WITH ALL BRONZE BY-PASS ASSEMBLY (INCLUDING GATE VALVES, CHECK VALVE & BY-PASS METER FURNISHED BY DISTRICT AT DEVELOPERS EXPENSE)
13	NOT USED
14	2 1/2", 3/16" THICK WALL, COUPLING WELDED TO TOP OF PIPE.
15	2 1/2" DIA. x 12" LONG STD. BRASS THREADED NIPPLE.
16	2 1/2" DIA. SCREWED FIRE PROTECTION GATE VALVE, IPT x NST, WITH HOSE CAP AND SAFETY CHAIN, ALL BRONZE, NRS, WITH MAL. IRON HAND WHEEL, 175 PSI MWWP; NIBCO MODEL NO. T-103-HC OR APPROVED EQUAL.
17	PIPE SUPPORT PER J.C.S.D. STD. DWG. NO. A-5.
18	PRE-CAST CONCRETE VAULT WITH 2 PIECE 6' x 8' TORSION HINGED GALVANIZED OR ALUMINUM COVER W/6" X 6" METER READING LID. QUICKSET OR APPROVED EQUAL. COVER TO BE SPECIFIED FOR TRAFFIC LOADS WHERE REQUIRED. NOTE: DEPENDENT UPON SELECTED METER DIMENSIONS VAULT SIZE MAY NEED TO BE INCREASED TO MAINTAIN MINIMUM INTERNAL CLEARANCE DIMENSIONS SHOWN.
19	BLIND FLANGE

NOTES:

- DIAMETERS FOR PIPELINE AND APPURTENANCES SHALL BE EQUAL TO THE METER SIZE.
- THE FIRE SERVICE VAULT SHALL BE LOCATED AND INSTALLED SUBJECT TO APPROVAL OF THE DISTRICT. WHERE VAULT IS INSTALLED IN PARKWAY WITH CURB AND SIDEWALK, THE VAULT SHALL BE PLACED PARALLEL TO THE CURB LINE & PIPING.
- ADJUST VAULT AND COVER TO MEET SIDEWALK AND CURB GRADE.
- VALVE COVER, POST INDICATOR, AND ALL METAL INSIDE VAULT TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF RED ACME PAINT, NO. 2-16012, OR APPROVED EQUAL. NO PRIMER ON BRASS OR BRONZE.
- ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED AND ALL EPOXY LINING SHALL BE SHOP APPLIED.
- PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
- SHOULD THE DEPTH OF THE VAULT EXCEED FOUR (4) FEET, AN OSHA APPROVED LADDER ATTACHED TO AN INSIDE WALL SHALL BE PROVIDED. THE LOCATION OF THE LADDER SHALL BE AS DIRECTED BY THE DISTRICT.

SPECIAL NOTE
 WHERE REQUIRED BY DISTRICT: A BACKFLOW PREVENTER PER STD. H-2 SHALL BE INSTALLED.

DETECTOR SIZE	BRANCH SIZE	DIMENSIONS						NORM. MAX. OPERATING FLOW CAPACITY (GPM)
		A	B	C	D	E	F	
4"	6"	3'-0"	6'-0"	8'-0"	1'-6"	2'-9"	1'-3"	1000
6"	8"	3'-0"	6'-0"	8'-0"	1'-8"	3'-9"	1'-3"	2000
8"	12"	3'-0"	6'-0"	8'-0"	2'-0"	4'-5"	1'-4"	3500
10"	14"	3'-0"	6'-0"	10'-0"	2'-0"	5'-8"	1'-7"	5500

JURUPA COMMUNITY SERVICES DISTRICT		
SCALE:	4", 6", 8" & 10" FIRE SERVICE INSTALLATION (METERED)	DRAWING NO.
DATE: SEPTEMBER 2020		H-4A
APPROVED BY: <i>Albert A. Webb</i>	ALBERT A. WEBB ASSOCIATES CONSULTING ENGINEERS	
Sinnaro Yos, P.E. C68607	RIVERSIDE CALIFORNIA	W.O. 19-0248

REV.