



NOTES:

1. DIAMETERS FOR PIPELINE & APPURTENANCES SHALL BE EQUAL TO THE METER SIZE.
2. THE WATER SERVICE VAULT SHALL BE LOCATED & 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 AND PIPING.
3. ADJUST VAULT AND COVER TO MEET SIDEWALK & CURB GRADE.
4. VALVE COVER, POST INDICATOR, AND ALL METAL INSIDE VAULT TO BE PAINTED WITH PRIMER AND TWO (2) COATS OF PAINT PER DISTRICT SPECIFICATION NO PRIMER ON BRASS OR BRONZE.
5. ALL FIELD JOINTS SHALL BE FLANGED UNLESS OTHERWISE INDICATED. ALL WELDED JOINTS ON EPOXY LINED STD. WT. PIPE SHALL BE SHOP FABRICATED & ALL EPOXY LINING SHALL BE SHOP APPLIED.
6. PIPE THREADS SHALL BE CLEAN AND SHARP, AND SEALED WITH APPROVED JOINT COMPOUND.
7. 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.
8. WHEN A COMPOUND METER IS PROPOSED WITH A SEPARATE STRAINER, PROVIDE MINIMUM 20" FLANGE TO FLANGE SEPARATION BETWEEN THE METER AND STRAINER.

ITEM	DESCRIPTION
1	MAINLINE DIA. x BRANCH DIA. (A.W.W.A.) FLANGED OUTLET TEE.
2	VALVE BOX AND GATE VALVE INSTALLATION PER J.C.S.D. STD. DWG. NO. B-1.
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 W.S.P. (12 GA. MIN.); OR CML/CMC A.W.W.A. FLANGED TEE IF REQUIRED BY DISTRICT.
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	REMOVE AN ADEQUATE AMOUNT OF CMC TO ALLOW PROPER INSTALLATION OF THE FLANGE COUPLING ADAPTOR. PAINT BARE METAL PER NOTE 4.
12	FIRE SERVICE METER WITH ALL BRONZE BY-PASS ASSEMBLY (INCLUDING GATE VALVES, CHECK VALVE & BY-PASS METER FURNISHED BY DEVELOPER AS APPROVED BY DISTRICT.) WITH RADIO READ.
13	NOT USED.
14	2 1/2", 3/16" THICK WALL, COUPLING WELDED TO TOP OF PIPE.
15	2 1/2"Ø x 12" LONG STD. BRASS THREADED NIPPLE.
16	2 1/2"Ø SCREWED FIRE PROTECTION GATE VALVE, IPT x NST, WITH HOSE CAP & 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. QUICKSET OR APPROVED EQUAL. COVER TO BE SPECIFIED FOR TRAFFIC LOADS WHERE REQUIRED. PROVIDE 6" X 6" METER READING LID IN COVER. NOTE: DEPENDENT UPON SELECTED METER DIMENSIONS VAULT SIZE MAY NEED TO BE INCREASED TO MAINTAIN MINIMUM INTERNAL CLEARANCE DIMENSIONS SHOWN.
19	12" DIA. SUMP

I N F O R M A T I O N A L C H A R T							
METER SIZE	BRANCH SIZE	DIMENSIONS				MAXIMUM FLOW (GPM)	
		A	B	C	D	DOMESTIC *	DOM. + FIRE FLOW
4"	6"	3'-0"	6'-0"	8'-0"	1'-6"	420	1000
6"	8"	3'-0"	6'-0"	8'-0"	1'-8"	920	2000
8"	10"	3'-0"	6'-0"	8'-0"	2'-0"	1600	3500
10"	12"	3'-0"	6'-0"	10'-0"	2'-0"	2500	5500

JURUPA COMMUNITY SERVICES DISTRICT

SCALE:	4", 6", 8" & 10"	DRAWING NO.
DATE: SEPTEMBER 2020	WATER SERVICE METER	D-5
APPROVED BY: <i>Albert A. Webb</i> Sinnaro Yos, P.E. C68607	ALBERT A. WEBB ASSOCIATES CONSULTING ENGINEERS	
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