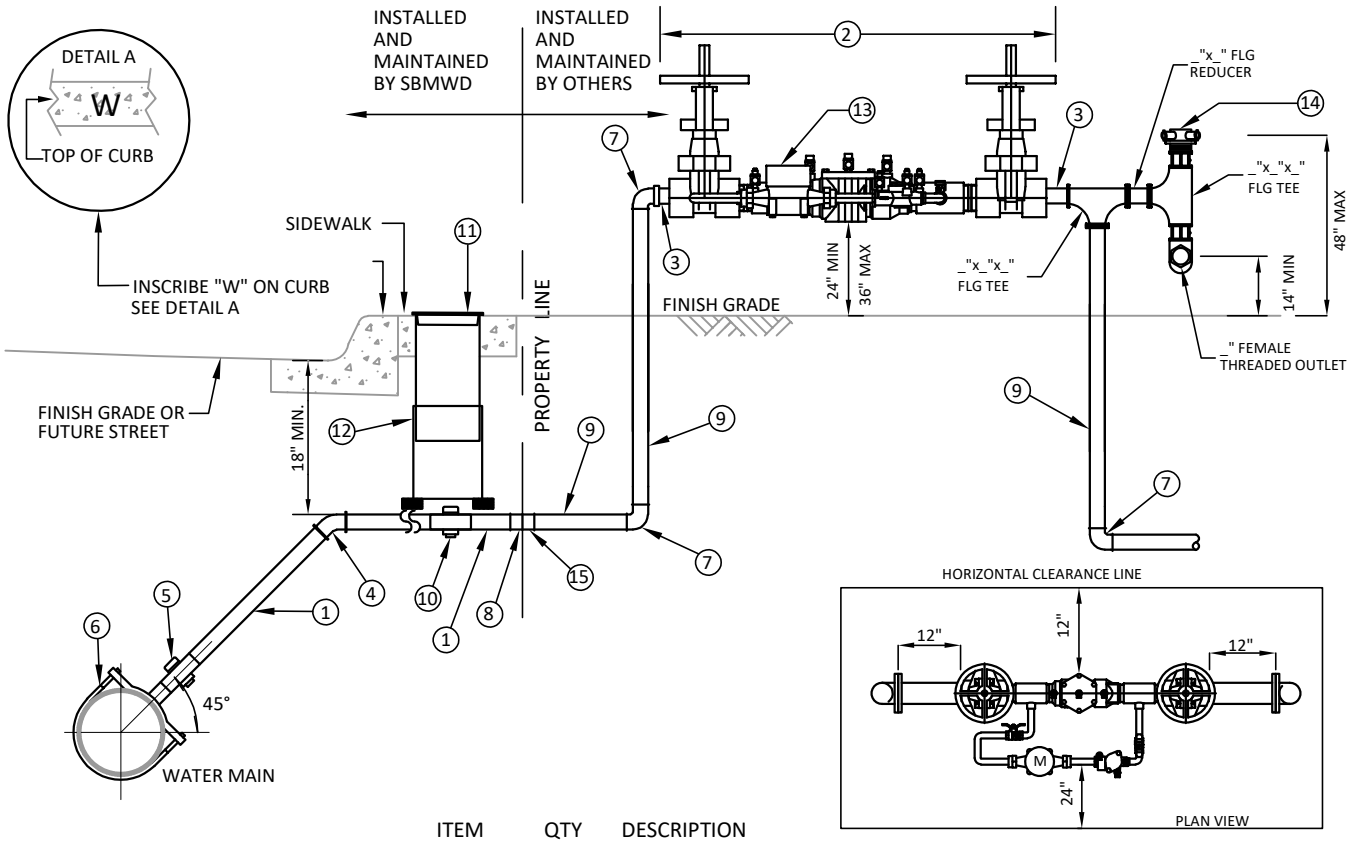

ITEM	QTY	DESCRIPTION
1	___LF	2" TYPE L HARD COPPER TUBING (SBMWD APPROVED U.S. MANUFACTURER), SBMWD TO EXTEND COPPER LATERAL TO PROPERTY LINE.
2	1 EA	THE DETECTOR ASSEMBLY SHALL BE INSPECTED AND APPROVED BY SBMWD IMMEDIATELY AFTER INSTALLATION. THE ASSEMBLY MUST BE TESTED BY A CERTIFIED BACKFLOW TESTER.
3	2 EA	2" GALVANIZED NIPPLE
4	1 EA	2" BRASS THREADED 1/8 BEND WITH TWO ADAPTERS (MIP X COMP.)
5	1 EA	2" BRONZE CORPORATION STOP (COMP. X MALE NPT.) MUELLER H15023 OR EQUAL
6	1 EA	___ x 2" SERVICE SADDLE FROM SBMWD APPROVED LIST OR 2" WELD-ON THREAD-O-LET
7	4 EA	2" GALVANIZED 1/4 BEND (FEMALE PIPE THREAD)
8	1 EA	INSULATOR COUPLING (COMPRESSION x MALE PIPE THREAD)
9	2 EA	2" GALVANIZED PIPE
10	1 EA	2" BALL VALVE W/ COMPRESSION FITTINGS (MUELLER #110 OR EQUAL)
11	1 EA	BROOKS CONCRETE CAN ASSEMBLY WITH CAST IRON TRIANGULAR LID WITH "WATER". (WITHIN SIDEWALK OR ENCASED IN 18" x 18" x 4" CONCRETE SLAB)
12	_LF	8" SCHEDULE 40 PVC PIPE, PER W3.3
13	1 EA	BY-PASS METER THAT IS APPROVED BY THE DOUBLE CHECK DETECTOR ASSEMBLY MANUFACTURER SHALL BE FACTORY INSTALLED AND THE ACCOMPANYING FACTORY METER CERTIFICATE SHALL BE PROVIDED TO THE DEPARTMENT. REFERENCE ENGINEERING SPECIFICATIONS; WATER SERVICE ASSEMBLIES: 404211 - FOR METER, METER BOX & PIPING; MATERIALS AND INSTALLATION.
14	1 EA	FIRE DEPARTMENT CONNECTION (FDC), SIZE, ORIENTATION, AND PROTECTIVE ENCLOSURE OR PROTECTIVE DEVICES SHALL BE COORDINATED, INSPECTED, AND APPROVED BY THE FIRE DEPARTMENT UPON INSTALLATION (909-384-5388).
15	1 EA	IF REQUIRED, SBMWD TO INSTALL 2" FITTING PLUG (FEMALE PIPE THREAD) FOR FUTURE CONNECTION AT THE CONNECTION POINT/PROPERTY LINE.

NOTES:

1. ANY BACKFLOW RELATED INSTALLATIONAND/OR REPLACEMENT, INCLUDING PARTS, SHALL ADHERE TO THE MOST CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA (USC) FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH STANDARDS.
2. SWAB INTERIOR OF PIPE, VALVES, AND FITTINGS, AND SWAB INTERIOR OF EXISTING MAINS TO WHICH NEW PIPING WILL BE CONNECTED (BOTH UPSTREAM AND DOWNSTREAM OF THE NEW BACKFLOW ASSEMBLY) WITH A 5% SODIUM HYPOCHLORITE SOLUTION. AFTER DISINFECTION, FLUSH WITH POTABLE WATER AGAIN UNTIL WATER IS FREE OF CHLORINE ODOR.
3. IF GIVEN A WAIVER TO INSTALL A BACKFLOW ASSEMBLY A CERTAIN DISTANCE FROM THE METER, THEN THE PIPING SHALL BE EXPOSED FROM THE SERVICE METER TO THE BACKFLOW ASSEMBLY WITH NO TEES OR CONNECTIONS, AND ENCASED IN A TWO SACK SLURRY MIX. THE WORK SHALL BE WITNESSED AND APPROVED BY WATER QUALITY CROSS-CONNECTION CONTROL.

REVISION DATE: 5/24/2016

D.D.M.	MAY 16
F.D.L.	APR. 13
F.D.L.	JAN. 13
F.D.L.	DEC. 12
REVISION	DATE
SCALE:	NONE

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

2" ABOVEGROUND FIRE SERVICE WITH DOUBLE CHECK DETECTOR CHECK ASSEMBLY

APPROVED _____ DATE 07/04/2019

WARREN HUANG, P.E. RCE 49208

DRAWING NUMBER

SBMWD

W1.9