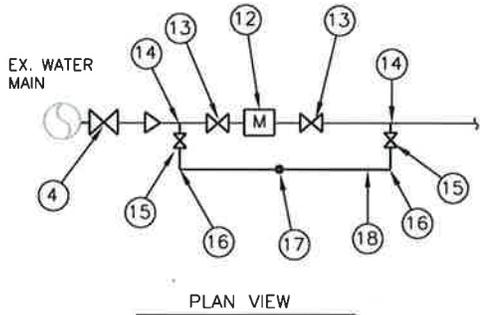
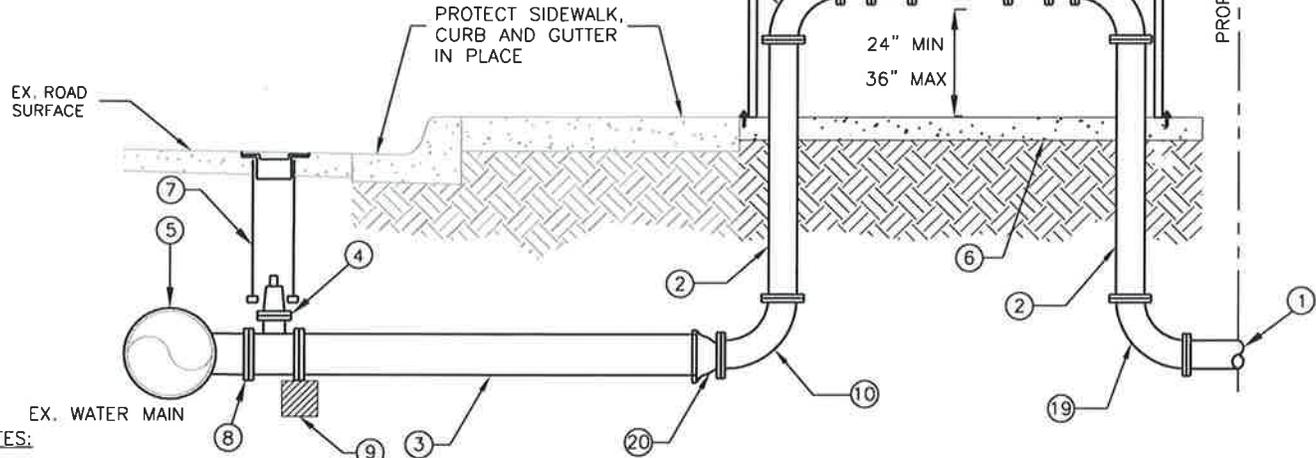


REFERENCE ENGINEERING SPECIFICATIONS:
 WATER SERVICE ASSEMBLIES: 404211 -
 FOR METER, METER BOXES AND PIPING;
 MATERIALS AND INSTALLATION.

INSTALLED AND MAINTAINED BY SBMWD
 INSTALLED AND MAINTAINED BY CUSTOMER



SEE PLAN VIEW FOR FITTING INFORMATION



PROTECT SIDEWALK, CURB AND GUTTER IN PLACE

NOTES:

- ① 1 EA CONNECT TO EXISTING CUSTOMER'S WATER SYSTEM OR INSTALL BLIND FLANGE OR CAP AT CONNECTION POINT/PROPERTY LINE.
- ② 2 EA 3" DUCTILE IRON PIPE SPOOLS (RESTRAINED) OR WELDED SCHEDULE 40 BLACK PIPE SPOOLS.
- ③ ___ LF 4" PRESSURE CLASS 350 DUCTILE IRON (RESTRAINED) SEE SBMWD SPECIFICATIONS FOR BACKFILL REQUIREMENTS.
- ④ 1 EA 4" GATE VALVE ASSEMBLY PER SBMWD STD. DWG. W3.1 (FLG X MJ)
- ⑤ 1 EA EPOXY COATED TAPPING SLEEVE, MJ TAPPING SLEEVE, WELD NOZZLE, OR (MJ X FLG) TEE ___ O.D. MAIN WITH 4" SERVICE LATERAL.
- ⑥ 1 EA 2,000 PSI CONCRETE: ___' X ___' X 10" DEEP CONCRETE PAD (FORMED).
- ⑦ 1 EA VALVE CAN ASSEMBLY PER SBMWD STD. DWG. W3.3.
- ⑧ 1 EA PIPELINE SEAL AND INSULATOR, INC INSULATING KIT TO BE USED BETWEEN THE TAPPING SADDLE AND VALVE WHEN DISSIMILAR METALS (DUCTILE IRON AND STEEL) ARE INVOLVED.
- ⑨ 1 EA 8" CONCRETE BLOCK SUPPORT.
- ⑩ 3 EA 90° BEND DUCTILE IRON (FLG) OR WELDED SCHEDULE 40 BLACK PIPE 90° SHORT RADIUS BEND (FLG)
- ⑪ 1 EA ___' X ___' X ___' DOUBLE DOOR ACCESS HATCH PROTECTIVE STEEL CAGE, POWDER-COATED BLUE WITH 6" MINIMUM CLEARANCE ON ALL SIDES INSIDE THE CAGE AND BOLTED DOWN TO THE CONCRETE SURFACE.
- ⑫ 1 EA 3" ULTRASONIC WATER METER (MASTER METER, OCTAVE SERIES) WITH ITRON OR APPROVED EQUAL. (SEE SBMWD STD. DWG. W1.15 FOR APPROVED LIST).
- ⑬ 2 EA 3" RESILIENT WEDGE NRS GATE VALVE (FLG)
- ⑭ 2 EA 3" X 3" TEE (FLG X FLG) WITH 2" TAP OR WELDED SCHEDULE 40 SPOOL WITH 2" THREADOLET
- ⑮ 2 EA 2" CLOSE BRASS NIPPLE, LOCKING BALL VALVE AND CTI ADAPTER
- ⑯ 2 EA 2" 90° COMPRESSION BEND
- ⑰ 1 EA BRASS TEE WITH IRON PIPE TO COPPER ADAPTORS BUSH TO 3/4" WITH HOSE BIB.
- ⑱ ___ LF HARD COPPER PIPE (US MANUFACTURER) 2" BY-PASS LOOP
- ⑲ 1 EA 90° BEND DUCTILE IRON (FLG X MJ)
- ⑳ 1 EA 4" X 3" (MJ X FLG) REDUCER (RESTRAINED)

GENERAL NOTES

- 1. SBMWD STANDARD DRAWING W1.6 SHALL BE CONSIDERED AND INSTALLED ON A CASE BY CASE BASIS AS DETERMINED BY SBMWD.
- 2. ABOVE GROUND DOMESTIC SERVICES SHALL BE INSTALLED AWAY FROM THE SIDEWALK AND SHALL NOT OBSTRUCT THE SIDEWALK'S TRAVELED CLEARANCE.
- 3. ABOVE GROUND DOMESTIC SERVICES SHALL BE WITHIN CITY RIGHT-OF-WAY OR WITHIN AN EASEMENT DEDICATED TO SBMWD.

REVISION DATE: 5/24/2016

		SAN BERNARDINO MUNICIPAL WATER DEPARTMENT		DRAWING NUMBER
D.D.M.	MAY 16	ABOVE-GROUND 3" DOMESTIC SERVICE		SBMWD
F.D.L.	JAN. 16			W1.6
D.J.L.	JULY 15			
REVISION	DATE	APPROVED		DATE
SCALE:	NONE	MIGUEL J. GUERRERO, P.E. RCE C73239		6/23/16