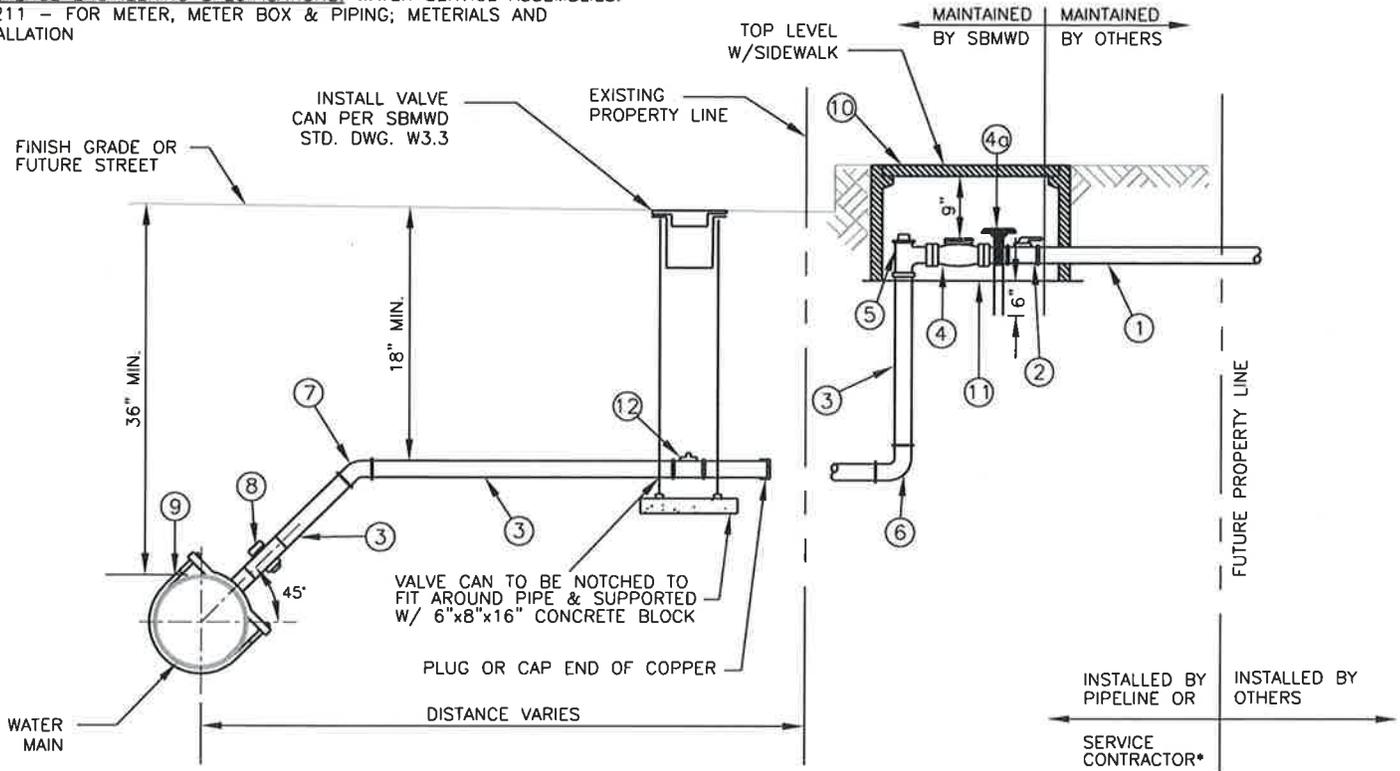


**REFERENCE ENGINEERING SPECIFICATIONS: WATER SERVICE ASSEMBLIES:
404211 - FOR METER, METER BOX & PIPING; MATERIALS AND
INSTALLATION**



ITEM	QTY	DESCRIPTION
①	1 EA	(1-1/2" OR 2") SCH 80 THREADED (NPT) PVC PIPE NIPPLE (MUST EXTEND 6" BEYOND CUSTOMER SIDE OF SIDEWALK).
②	1 EA	(1-1/2" OR 2") LOCKWING BALL VALVE NELES-JAMESBURY SERIES 1000 OR EQUAL.
③	----LF	(1-1/2" OR 2") TYPE L HARD COPPER TUBING (SBMWD APPROVED U.S. MANUFACTURER) SEE SBMWD SPECIFICATIONS FOR BACKFILL REQUIREMENTS.
④ OR ④c	1 EA	(1-1/2" OR 2") WATER METER. (SEE SBMWD STD. DWG. W1.15 FOR APPROVED LIST).
⑤	1 EA	SBMWD APPROVED METER AND TRANSMITTER ASSEMBLY, CURRENT ITRON USED BY DEPARTMENT OR APPROVED EQUAL. INSTALL MOUNTING PER MANUFACTURER'S SPECIFICATION (NEW TRACTS OR AS DIRECTED BY SBMWD ONLY).
⑥	1 EA	(1-1/2" OR 2") LOCKWING BRASS ANGLE METER STOP JONES J-1527F OR EQUAL. JONES J-1975WSG OR EQUAL.
⑦	1 EA	(1 1/2" OR 2") BRASS COMPRESSION QUARTER BEND.
⑧	1 EA	(1 1/2" OR 2") THREADED BRASS 1\8 BEND WITH TWO COMPRESSION TO IRON MALE ADAPTERS.
⑨	1 EA	(1 1/2" OR 2") BRONZE CORPORATION STOP (COMPRESSION X MALE NPT) MUELLER H15023 OR EQUAL.
⑩	1 EA	--- x (1 1/2" OR 2") SERVICE SADDLE FROM SBMWD APPROVED LIST OR (1 1/2" OR 2") WELD-ON THREAD-O-LET.
⑪	-	No. 6 (17" x 30") METER BOX (ARMORCAST A6001640APCX12) (W/ "WATER" OR "SBMWD" ON LID) OR J&R No. W6-T SERIES WITH H2O BODY AND COVER AS DETERMINED BY SBMWD.
⑫	1 EA	3/8" ROCK 4"-6" DEEP.
⑬	1 EA	(1 1/2" OR 2") SERVICE BALL VALVE NELES-JAMESBURY SERIES 1000 OR EQUAL ROLLED UP TO RECEIVE SERVICE VALVE KEY.

*MAINTAINED BY CONTRACTOR DURING ONE (1) YEAR WARRANTY PERIOD.

REVISION DATE: 5/23/2016

D.D.M.	MAY 16	SAN BERNARDINO MUNICIPAL WATER DEPARTMENT SPECIAL DESIGN DETAIL FOR 1-1/2" AND 2" SERVICES	DRAWING NUMBER
F.D.L.	MAY 14		SBMWD
F.D.L.	JAN. 13		W1.18
F.D.L.	DEC. 12		
REVISION	DATE		
SCALE: NONE	APPROVED	 MIGUEL J. GUERRERO, P.E. RCE C73239	DATE 6/27/16