SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

3" COMBINATION DOMESTIC AND 3", 2", OR 1-1/2" IRRIGATION SERVICE DETAIL

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

ITEM QTY DESCRIPTION
1 1 EA EPOXY COATED TAPPING SLEEVE or MJxFLG TEE for ___" O.D. MAIN W/ 4" SERVICE LATERAL.
2 1 EA 4" FLG X MJ GATE VALVE PER SBMWD STD. DWG. W3.1
3 1 EA 8" GATE VALVE CAN ASSEMBLY PER SBMWD STD. DWG. W3.3
4 1 EA SUMP AND SUMP GRATE DETAIL PER SBMWD STD. DWG W6.30
5 ____ LF 4" DUCTILE IRON PIPE
6 2 EA BLACK COUPLING OR THREADED FOR BY-PASS
7 1 EA 3" & ___" BRASS METER STRAINER - UNLESS METER HAS STRAINER.
8 1 EA 3" & ___" METER WITH TEST PORT, BALL VALVE, AND PLUG. (SEE SBMWD STD. DWG. W1.15 FOR APPROVED LIST).
9 2 EA SBMWD APPROVED METER AND TRANSMITTER ASSEMBLY, CURRENT TRACTS USED BY DEPARTMENT OR APPROVED EQUAL. INSTALL MOUNTING PER MANUFACTURER'S SPECIFICATION (NEW TRACTS AS DIRECTED BY SBMWD ONLY).
10 1 EA 3" CLASS 150 SLIP ON WELD FLANGE
11 1 EA 4" MJ X 3" FLG REDUCER
12 2 EA 3" FLG X FLG GATE VALVE
13 2 EA LINK SEAL PER SBMWD STD. DWG W6.19
14 1 EA 8" CONCRETE BLOCK SUPPORT.
15 ___ INSTALL 6" THICK BACKFILL (SEE 30") OR BETTER, 95% COMPACTION
16 1 EA 4" x 6" CDR (WA10487248TA) OR PRE-CAST CONCRETE VAULT (LARGER VAULT MAY BE REQUIRED) W/ DOUBLE DOOR TORSION ASSISTED SKID RESISTANT LIDS (TRAFFIC RATED IN TRAFFIC AREAS) PER SBMWD STD. DWG W6.21
17 ____ LF 3" STANDARD STEEL OR 2", 1-1/2" BRASS PIPE
18 1 EA 3" STANDARD STEEL 90 OR 2", 1-1/2" BRASS QUARTER BEND (FEMxFEM)
19 1 EA 3" STANDARD STEEL OR 2", 1-1/2" BRASS COMPANION FLANGE
20 2 EA 3" GATE VALVE FLG X FLG OR 2", 1-1/2" LOCKING BALL VALVE
21 1 EA 3" STANDARD STEEL FLANGED SPOOL
22 1 EA 3" X 1-1/2" SERVICE SADDLE OR 2" X 1-1/2" TEE OR 1-1/2" BRASS TEE W/ CLOSE NIPPLE AND COMPANION FLANGE
23 2 EA 1-1/2" BRASS LOCKING BALL VALVE
24 1 EA 1-1/2" BRASS THREE PART UNION (FEM.)
25 ____ LF 3" STANDARD STEEL
26 ____ LF INSTALL 1/2" EXPANSION JOIN ON ALL FOUR SIDES

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

DRAWING NUMBER

SBMWD W1.12

REVISION DATE: 5/24/2016

APPROVED DATE

07/04/2019

SCALE: NONE

D.D.M. MAY 16
F.D.L. JULY 14
F.D.L. JAN. 13
D.D.M. JAN. 11
REVISION DATE
07/04/2019

WARREN HUANG, P.E. RCE 49208

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