

RESIDENTIAL AND SMALL BUSINESS SERVICE CONNECTIONS

1 Service Saddle

Use Cascade Stainless Steel Saddle or equal approved by BCWS.

2 Corporation Stop

Ford Catalog Number FB1000-4-G AWWA/CC with tapered thread inlet by Grip Joint outlet for Copper or Plastic Tubing (CTS); Mueller 1" Ground Key Corporation Valve with AWWA Tapered Thread (CC) inlet and Insta-Tite connection for CTS P.E. plastic tubing outlet; or equal approved by the BCWS. Minimum size - 1".

3 POLYETHYLENE WATER SERVICE TUBING

Service Tubing shall be 1" copper tubing size (CTS) OD polyethylene plastic tubing (PET) suitable for underground water services, in conformance with ASTM D2737 (PE 3406), with a rated working pressure of 160 psi. For dual service installation use 1" CTS tubing between service tee and meter box.

4 Insert Stiffener/Liner

Ford 50 Series cts Stainless Steel Stiffener for Polyethylene Tubing; Mueller 110 CTS Stainless Steel Compression Connection Liner; or equal approved by the BCWS (Refer to Water Panels 1A & 1B).

5 Meter Box

Ford Catalog Number LYLVP141-243-T-G long yokebox, with cast iron base and ABS Type Plastic Upper Section, lockable lid and internal dual check valve; Mueller 110 (CTS) H-1455-5, for 5/8" x 3/4" meter, with locking lid, horizontal inlet and ASSE approved internal dual check valve, and FIP horizontal coupling outlet; or equal approved by the BCWS. At the inlet side of the yokebox or meter box, replace 1" coupling with Ford Pack Joint Coupling, Catalog Number C86-34-G; Mueller H-15426 Service Fitting; or equal approved by BCWS.

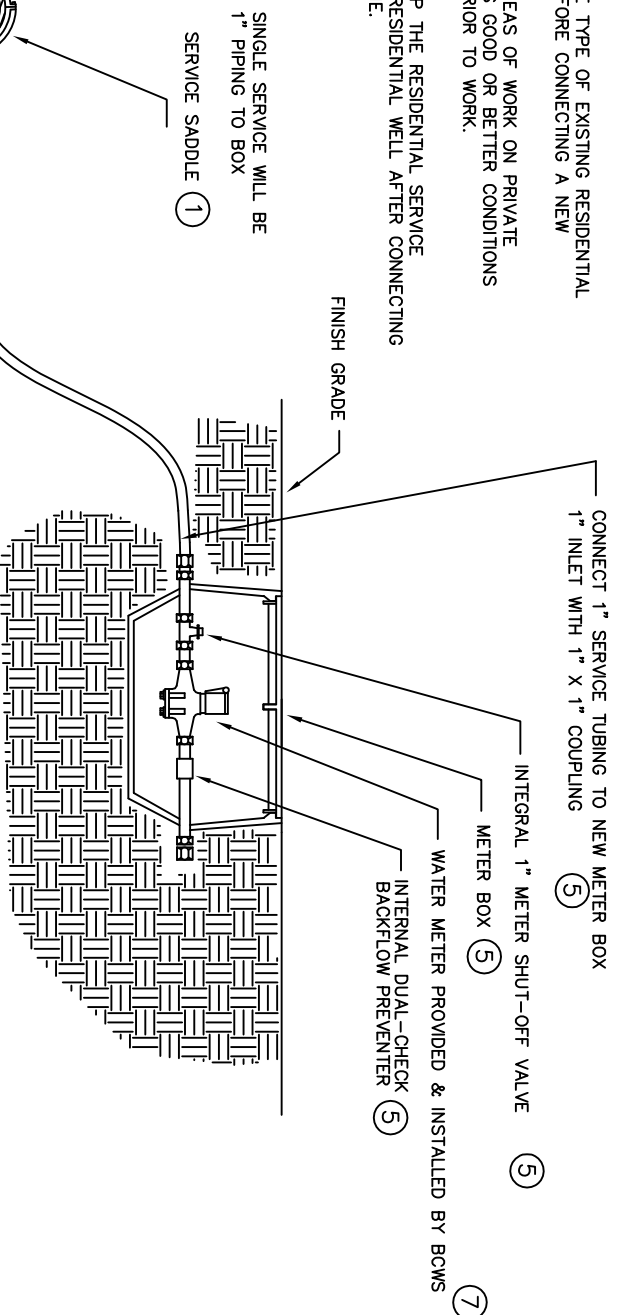
6 Dual Service Installation

To split 1" CTS polyethylene plastic tubing (PET) to serve two customers, use Ford Pack Joint Tee, Catalog Number T444-444G with 1" x 1" x 1" Ford Grip Joint for CTS PET. Install 3' of 1" CTS PET on both sides of the grip joint tee to allow for BCWS meter box installation.

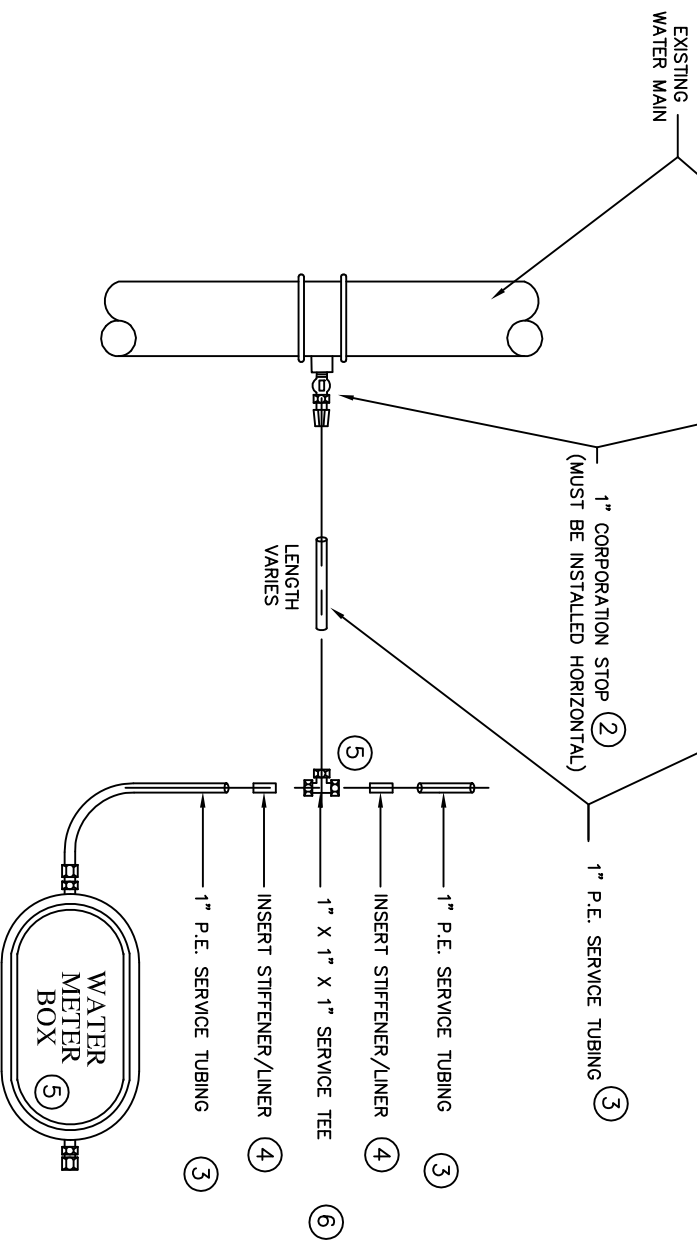
7 Meter

Meters to be provided by the BCW&SA.

- NOTES:
1. FIELD VERIFY THE TYPE OF EXISTING RESIDENTIAL SERVICE LINE BEFORE CONNECTING A NEW SERVICE LINE.
 2. RESTORE THE AREAS OF WORK ON PRIVATE PROPERTY TO AS GOOD OR BETTER CONDITIONS THAN EXISTED PRIOR TO WORK.
 3. ISOLATE AND CAP THE RESIDENTIAL SERVICE LINE FROM THE RESIDENTIAL WELL AFTER CONNECTING NEW SERVICE LINE.



TYPICAL SINGLE SERVICE PROFILE



TYPICAL DUAL SERVICE PLAN

STANDARD RESIDENTIAL & SMALL BUSINESS

SERVICE CONNECTION & METER BOX INSTALLATION

WATER PANEL 1A

BERKELEY COUNTY WATER AND SANITATION
POTABLE WATER & SANITARY SEWER STANDARDS

NOT TO SCALE

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