



PROCEDURES FOR INSTALLATION OF WATER METER AND FIRELINE SERVICES

1. All water services are to be sized by the Building and Safety Division and all fire services verified by the Fire Department before a permit will be issued. (Plans approved by the Building Safety Division and Fire Department shall be submitted to Water Division before permit will be issued.)

2. Domestic meters up to and including 2 inches in size shall be installed in a meter box.

Domestic meters 3 inches and above and all fire services shall be installed above ground.

All service connections larger than 1" will be installed by and at the cost of the developer or property owner. Services 1" and smaller will be installed by Water Division staff with the cost billed to the developer or property owner.

3. The developer or property owner shall:

- a. Submit to the Water Division for approval, the original plan view on an 8 ½" x 11" page. This plan will contain, the installation location stationed from the nearest street intersection, the meter lateral and all appurtenances. **WATER METERS WILL NOT BE INSTALLED IN EXISTING OR FUTURE DRIVEWAYS OR APPROACHES**
- b. Obtain a Public Works permit for work in Public Street from the Engineering Division, and an encroachment permit from Cal-Trans if the installation is within the right-of-way of Sepulveda Boulevard. The Cal-Trans permit shall be submitted to the city prior to receiving the Public Works permit. Copies of the approved plan and the completed "plan correction sheet" from the Water Division will be required for the Public Works permit. Before a permit will be issued, the applicant will pay the City an amount which will include permit fee, inspection fee, cost of equipment supplied by the City if any, and a security deposit to insure that existing improvements are replaced and any damage to public or private property is corrected to the satisfaction of the city.
- c. Following receipt of appropriate fees and deposits, domestic water meters and meter boxes may be obtained from the Water Yard, 400 Lomita Street, El Segundo. A copy of the signed permit will be required to pick up meters and boxes.
- d. Notify the Water Division at least one week prior to beginning the construction to arrange for inspection of materials. In addition, it will be the responsibility of the person or company who obtained the "Permit for work in the Public Streets" to notify the Water Division so that a water inspector can be on site for the following procedures:

Saddle or tapping tee installation, **hydrostatic** pressure test, main tapping, lateral line installation, thrust block placement, backfill and compaction, **hydrostatic** pressure test, bacteriological sampling, and other procedures deemed necessary by the water inspector.

24 hour notice required before inspections



PROCEDURES FOR INSTALLATION OF WATER METER AND FIRELINE SERVICES

- e. Disinfect per AWWA 651. Arrange for bacteriological tests with a laboratory certified by the State of California Health Department. Water line shall be flushed a minimum of 24 hours before bacteriological sample is taken and the disinfectant residual shall be checked to ensure that the residual in the lateral is consistent with the distribution system residual when flushing is completed.
- f. **Hydrostatic** pressure test water line at a minimum of 150 psi for a one hour period.
- g. All work accomplished in public streets or roadways including permanent pavement restoration shall be completed within 45 days from the date the permit is issued.
- h. **Notify the Street Maintenance Supervisor at least 24 hours prior to permanent street resurfacing.**

Road surfaces not permanently replaced within the 45 day period may be replaced by city forces resulting in a forfeiture of deposit.
- i. Standard methods, material and compaction requirements will be utilized for all excavations in the public street, unless adjusted by city inspectors to meet varying soil or load conditions.
- j. Trenches in the public roadway will not remain open overnight unless special approval is obtained from the City Engineer. Trenches shall be filled or plated as directed by the Public Works Inspector.
- k. If the Water Division determines that a backflow prevention device is required it must be installed and tested by a certified tester before the job is complete.

No installation will be complete and no water service will be turned on until the Water Division is in possession of bacteriological test results and a completed backflow test report form

- 4. After final inspection the Water Inspector will notify the Billing Section of a completed service installation. Before the service can become active (turned on) the owner or tenant shall complete a request for water service form and deliver it with the proper signatures and deposit to the Public Works counter at City Hall (350 Main Street). The Billing section will then issue a notice to turn-on the water service to the Meter service staff.

Water	400 Lomita	(310) 524-2742
Engineering	350 Main	(310) 524-2357
Street Maintenance	150 Illinois	(310) 524-2709



PROCEDURES FOR INSTALLATION OF WATER METER AND FIRELINE SERVICES

SPECIFICATIONS

- A. All backflow preventers shall be USC FCCC & HR Approved. Fire service detector meters to be cubic foot reading.
- B. Hot tap and lateral line installations greater than 2 inches shall be a minimum of 6 inches.
- C. Pipe (3-inches or larger) to be Class 52 ductile iron cement lined. Fittings to be cement lined ductile iron minimum 250 psi pressure class. Joints to be mechanical joint, push on or flanged class 125.
- o **All joints will be restrained**
- a) Restrained joints shall be mega lug or equivalent as determined by inspector
- b) All flange bolts and nuts underground shall be coated with *TRIPAC 2000 BLUE COATING SYSTEM* or field coated with plastic roof cement, bitumastic, undercoating or food grade oil to the satisfaction of the inspector.
- c) Plastic sheeting shall be placed between concrete thrust blocks and all metallic materials
- d) Tapping sleeves shall be **all stainless** Mueller H-304 SS or equal
- e) Gate Valves shall be **stainless steel stem** resilient seated gate valve AWWA C-509, AVK or equal
- f) Fire hydrants shall be wet barrel Clow 2000 series or Jones 3700 series.
- g) Services 1-1/2 inch and 2 inch shall use 2 inch copper type K tubing with lead-free soldered joints and a brass coupling on the corporation stop. All adapters will be male pipe thread. A combination angle curb stop shall be used that will accept both 1-1/2 inch and 2 inch meters. Meter bolts, gaskets and brass flange will be provided with the meter.
- h) Saddles shall be double strap brass Mueller BR 2 B AWWA I.P.T. or equal
- i) Corporation stops shall be Mueller series 300 ball corporation valve B-25025 1", B-2969 2" or equal
- j) Curb stops shall be Mueller 300 series ball lock wing 360 degree travel angle meter valves or equal
1" B-24255-3 flare x meter swivel nut
2" B-24286-3 F.I.P. x flange