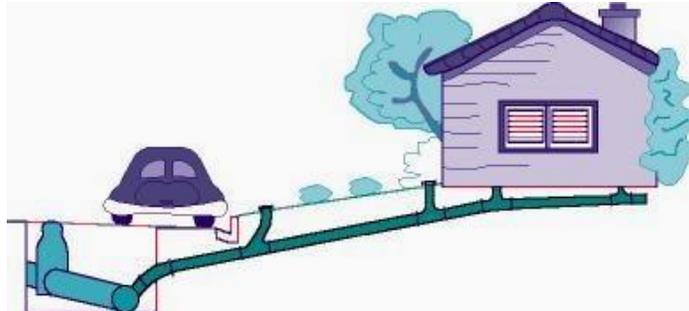




## LATERAL INSTALLATION GUIDE

A pre-job meeting for homeowners with a USD inspector and the person installing the sewer must be arranged by telephoning (510) 477-7500, or in person, at least 24 hours prior to commencing work or calling for required inspections. This may save you costly mistakes.



### Commonly Asked Questions

#### **When should I call USD for an inspection?**

After the pre-job meeting, the first inspection will be to inspect the installed pipe prior to backfill. Please call at least 24 hours in advance of the inspection.

#### **What size pipe should I use?**

A minimum 4-inch diameter pipe is required

#### **What kind of pipe may I use?**

Plastic ABS Schedule 40 pipe can be commonly found at most hardware stores. However, if the pipe is shallow (<24-inch cover), cast iron pipe may be required. Your inspector will be able to help identify this at the pre-job meeting.

#### **How much cover do I need over the top of the pipe?**

A minimum of 24 inches is required. If cover is less than 24 inches, notify the inspector for help.

#### **What should I put under the pipe?**

In paved areas (driveways, streets) and when connecting from plastic pipe to clay pipe, 6 inches of ¾-inch crushed rock chips are required. In unpaved areas, 6 inches of ¾-inch crushed rock chips are required, although sand may be permitted with inspector approval.

#### **What type of testing is necessary?**

A pressure test (air or water) is required. An air test is required for pipe bursting. A test wye must be installed at the lowest point on the lateral or at a location as directed by the Inspector. The permittee shall perform the pressure test, which shall be witnessed by the Inspector for acceptance of the lateral repair work.

#### **Where do I need to install clean-outs?**

- 1) A two-way cleanout is required at the connection to the house plumbing and no more than 30 inches from the building.
- 2) A property line cleanout is required if the distance from the property line to the building connection is greater than 20 feet (no property line cleanout is required otherwise).
- 3) A cleanout is required at:
  - a. every change of alignment that is more than 45°
  - b. the property line where the distance from the property line to the building connection is greater than 20 feet
  - c. no more than 100-foot intervals, for longer sewers.

#### **How much slope should the sewer line be laid to?**

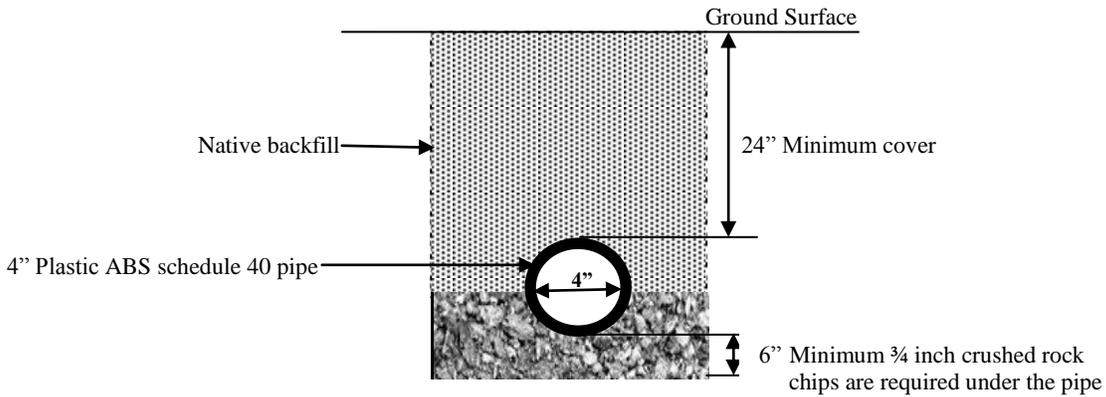
A minimum slope of 2<sup>0</sup>/<sub>100</sub> (¼-inch drop per foot) is required.

#### **What if I don't have an existing sewer lateral?**

You will need to have a new lateral installed and connected to the sewer main. Contract with a City-bonded contractor able to perform work in the City right-of-way and a USD sewer permit are required.

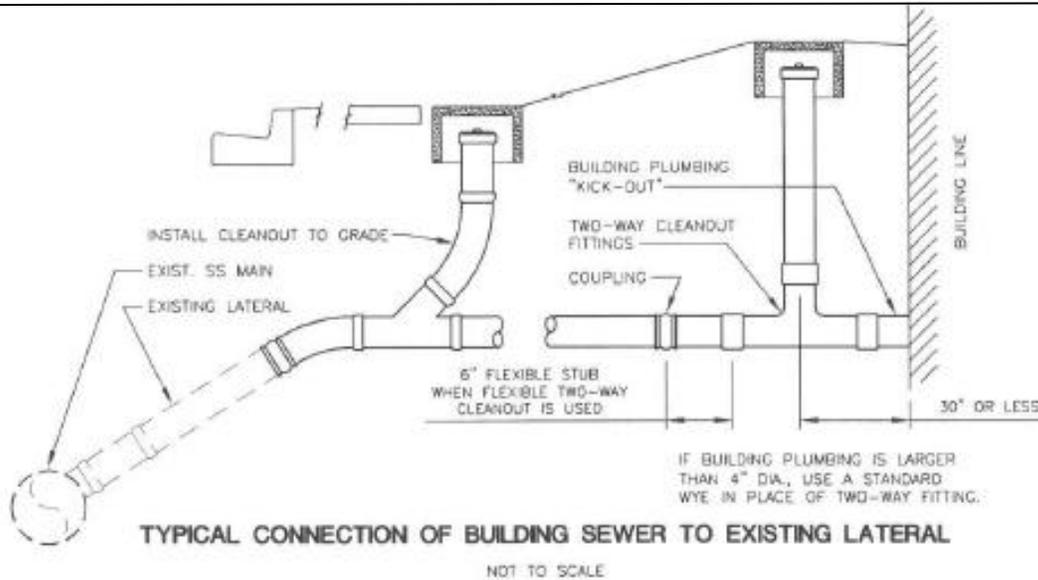


**DO NOT BACKFILL TRENCH UNTIL INSTALLATION HAS BEEN APPROVED**  
**BY A USD INSPECTOR**



**UNPAVED AREA**  
NOT TO SCALE

If sewer is to be placed in a paved area call USD for additional requirements

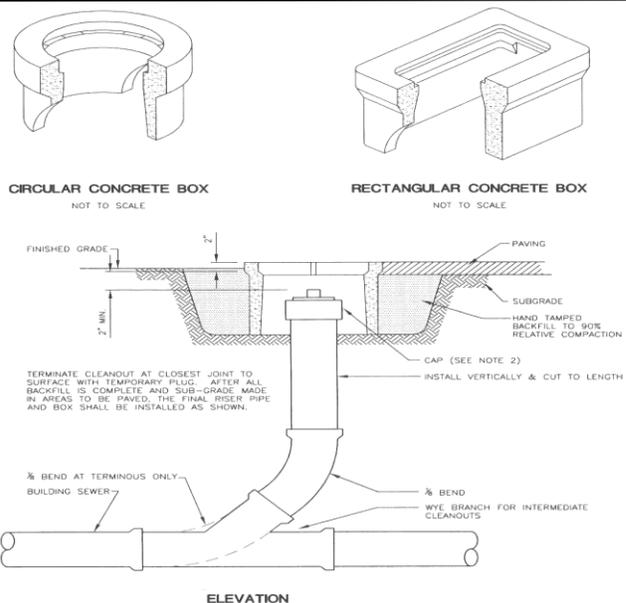


**TYPICAL CONNECTION OF BUILDING SEWER TO EXISTING LATERAL**

NOT TO SCALE

**NOTES:**

1. Cleanout boxes are required on all cleanouts.
2. Sewer cleanout caps shall be screw-type ABS Sch. 40 or PVC SDR26.
3. Cleanout boxes installed in walkway areas shall have a solid cover without holes. Plug finger holes with grout or use traffic lid.
4. Approved rectangular boxes shall be Christy Concrete Product F8 with a F8D concrete lid or F8C metal lid.
5. Metal lids shall be used in all traffic areas; concrete lids are acceptable for use in non-vehicular traffic areas.
6. All cleanout box lids shall be marked with a letter S or the word Sewer.



**CLEANOUT TO GRADE DETAIL**

NOT TO SCALE