

You have a valuable resource – do you know about it?

Rejected plumbing work costs can mount up to more than professional contract costs. If you are qualified for a homeowner plumbing permit, we can answer your questions in advance and save you labor and material, time and money, and re-inspection fees.

Your Plumbing Inspector can be a valuable resource to you.

WORDS WORTH STRESSING....

Never cover plumbing work without first obtaining inspection approvals in writing



The holder of a home-owner plumbing permit may accept assistance from a family member or hire help to perform labor. but...the permit holder MUST perform the plumbing installation described in the permit.

METRO CODES

(615) 862-6500

(615) 862-6570—Plumbing Division

(615) 862-6499—FAX Number

IMPORTANT NOTICE

The purpose of this brochure is...



To alert homeowners to some problems non-professionals encounter and provide solutions.

We believe that without solid experience, non-professionals should arrange to have professional plumbers perform this work. It is not our intention to publish all applicable regulations here, such a project is beyond the scope of this brochure.

The 2000 *Standard Plumbing Code* (available at retail), and the *Metropolitan Code of Laws, Chapter 16.12* provide the plumbing regulations for Metro/Nashville and Davidson County. Feel free to visit our website to review any of the codes. Questions of interpretation and application may be directed to the Plumbing Inspection Staff at the Department of Codes Administration. The Plumbing Inspection Division telephone number is 862-6570.

NOTICE

The Metropolitan Water Services Department also has regulations that govern water and sewer installations at 862-6570.

Metro Nashville Government of Nashville and Davidson County

Howard Office Building
700 2nd Avenue, South
Nashville, Tennessee 37210
(615) 862-6500

Business Hours—Monday through Friday
7:30 A.M. to 4:00 P.M.

Visit our Website at www.nashville.gov/codes

Homeowner Permit Series



Sewer Service Installation

METROPOLITAN
NASHVILLE & DAVIDSON
COUNTY
CODES DEPARTMENT

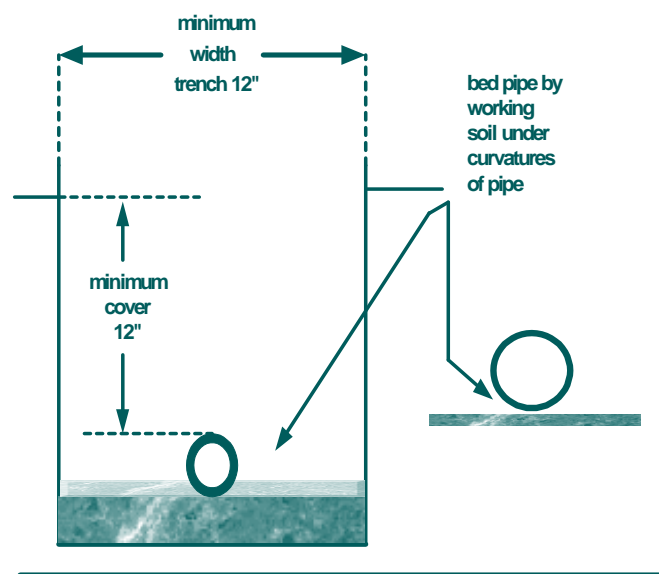
BILL PURCELL, MAYOR

10 STEPS TO SUCCESSFUL SEWER SERVICE INSTALLATION AND INSPECTION

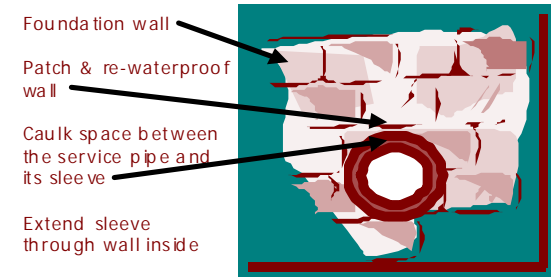
1. Plan ahead! Contact One-Call-Center and arrange to have all underground utilities marked to prevent serious, expensive accidents. Allow 3 working days. Call 1-800-351-1111—A Free Service.
2. After receiving notification that underground utilities are marked, uncover the connection at the building drain, outside the foundation wall and uncover the sewer tap. Check to be certain adequate grade exists between these two points. See "About Grade" below.
3. Dig the trench in the most direct route between the tap and the foundation. Maintain 5 foot safe "zones" from other utilities as marked. A trench width of 12" is the minimum acceptable. 24" offers the best work space. Trench machines are not allowed for sewer installations.
4. Dig the trench at least 17" deep to leave a minimum of 12" of cover. See the drawing below.
5. Protect the sewer pipe from the wall where it enters the building with a sleeve pipe of a larger size. This may be cast iron, Schedule 40 steel, or schedule 40 plastic pipe. Let the sleeve extend past the wall at both ends.
6. Re-waterproof the wall and caulk the sleeve pipe. See the drawing at the right.
7. The connection to the tap may only be made with a neoprene coupling with stainless steel bands.
8. After you have completed all connections, and the solvent weld has had curing time, flush some water inside the house and inspect for leaks. Take corrective actions if necessary.
9. Before covering your work, call 862-6570 and request the inspection (have your permit number at hand). Make certain the inspection is approved in writing before proceeding with the backfill.
10. When backfilling, use no large stones. Rock material the size of crush is allowed in the first 12" above the pipe. Do not use trench to dispose of organic material. Mound excess soil on top of trench.

ABOUT GRADE...Gravity is the power that makes a sewer function. Piping must be installed with "grade" from the house to the main sewer tap. 1/4 inch of fall for every linear foot of pipe is preferred. 1/8 inch is the code minimum, but it takes a very skilled crew to work successfully within such minimums.

1 linear foot	1/4 inch fall	1/8 inch fall
10 linear feet	2 -1/2"	1 1/4"
25 linear feet	6 1/4"	3"
50 linear feet	12 1/2"	6 1/4"
60 linear feet	15"	7 1/2"
100 linear feet	25"	12 1/2"



RE-WATERPROOF the foundation wall to prevent groundwater passage and subsequent damage to foundation.



ABOUT ROCK...Pipe may not be laid on solid rock or unstable ground. The rock or unstable ground must be removed and a bed of rock crush shall be provided 4" to 6" deep on the trench bottom above the solid rock to support the pipe. 12" of protective cover above the pipe must be maintained.

CAUTION...Removing solid rock is best left to professionals.

BLASTING...requires special licenses and permits.

LARGE ROCKS...may not go back into the trench. You may have to haul them away.

ABOUT PLASTIC PIPE...

Dig an even, smooth bottom trench. Fill any holes or depressions with crushed rock, or tamp with clean earth. Clean the pipe and apply primer. Follow curing instructions on Solvent Weld container. Use clean backfill of soil, crush or sand, free of rock and debris.

ABOUT CLEANOUTS...Install a clean out approximately 3 to 5 feet outside of the foundation wall. Then one is required every 80 linear feet. If your home has non-plastic drains, you may want to install a 2-way cleanout to start.