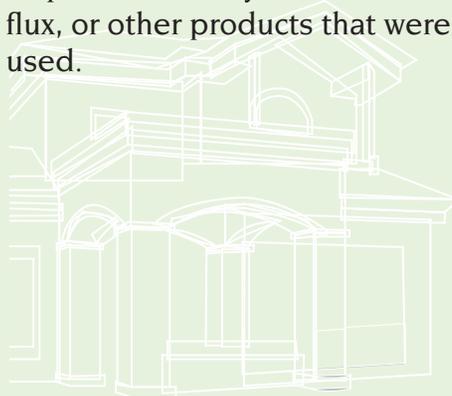


Re-Pipe *(continued)*

- Air chamber type water hammers are no longer in the plumbing code. For quick closing valves such as at clothes washer and dishwasher an approved mechanical pressure-absorbing device should be installed as close as possible to the quick-acting valve.
- Backflow protection is required for irrigation systems and lawn sprinklers. A non-removable backflow prevention device is required on all hose bibs.
- Steel nail protection plates are required for copper and plastic piping penetrating framing members within one inch of exposed framing. Copper piping must be isolated from any dissimilar metal.
- Re-pipe projects will require all water heaters to be properly installed to current code standards. (For information see our water heater installation brochure)
- CPVC and Pex piping and tubing have been approved for water supply and distribution systems. Installation is per manufacturers' instructions and CPVC requires that the installer is trained in the installation and hazards of CPVC, and has a current certification. (CPVC shall be installed IAPMO IS 20-2005 installation standards)
- The cold water piping grounding bond must be re-established for metal piping systems. If changing to plastic piping, the grounding system must be updated.
- The installer shall be present at the time of inspection to verify what procedures they followed and how installation standards, such as reaming and flushing, were met. Material samples and labeled packaging shall be available for the inspector to verify correct solder, flux, or other products that were used.



Re-Pipe



Residential Permit Requirements



City of San Bruno

**Community Development
Department**

Building Division

567 El Camino Real
San Bruno, CA 94066
Phone (650) 616-7074

www.sanbruno.ca.gov

REVISED June 2014

Plumbing Permit

A plumbing permit is required to re-pipe the water service, and or the interior water piping system. Plans are generally not required to re-pipe a single family dwelling unless it is determined that they are necessary. San Bruno is currently using the California Plumbing Code (CPC).

IN THE CITY OF SAN BRUNO IT IS UNLAWFUL TO TURN ON OR OFF THE WATER SUPPLY AT THE METER. TO HAVE WATER TURNED OFF OR ON, PLEASE CALL SAN BRUNO WATER DEPARTMENT AT (650) 616-7162

Re-Pipe Installation Requirements

It is not possible to cover all the variables of a plumbing system; however, the following information covers basic installation requirements.

- The main water service supply line cannot be less than $\frac{3}{4}$ inch in diameter. Sizing of the water piping system should be determined by using the plumbing code.
- An accessible fullway shut off valve (the valve opening as big as the pipe it serves) is required for the main water line and on the cold water supply of each water heater.
- When water pressure is over 80psi a pressure regulator is required to be installed.
- Properly secure and support piping to maintain its alignment and prevent sagging. There should be no strain or stress on the piping, make provisions for expansion and contraction. Water piping cannot be directly embedded in concrete, a sleeve or approved wrap is required. Underground piping must be set on a firm bed for its entire length (If the soil is rocky use sand to provide a smooth bed for pipe) minimum cover is 12 inches below finish grade. Secure and support all piping as required by code and manufacturers' installation requirements.
- Type M copper identified by a red stripe may be used for aboveground in a building or underground outside structures. Type L copper pipe identified by a blue stripe must be used for underground/slab. Solder and flux must be approved for potable water systems (Lead free type). (Copper piping shall be installed to IAPMO IS 3-2003 installation standards)
- Dielectric unions or brass adapters shall be used at all points of connection where there is a dissimilarity of metals. When connecting plastic pipe to other types of piping, only approved types of fittings or adapters designed for the specific transition shall be used.