



**SOLANO COUNTY**  
**Department of Resource Management**  
Public Works Administration  
675 Texas Street, Suite 5500  
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**RURAL NORTH VACAVILLE WATER DISTRICT**  
**COUNTY REQUIREMENTS FOR WATER SUPPLY PIPE INSTALLATION**  
**ON PRIVATE PROPERTY**

A plumbing permit and inspection is required for the installation of potable water supply pipe from the water meter box to the building or structure being served on private property. Plumbing Permit Application forms can be found on-line and can be down loaded from the Rural North Vacaville web site [www.solanocounty.com](http://www.solanocounty.com) or call (707) 784-6064 and one will be mailed or faxed to you. Please complete the application form and mail to the Department of Resource Management or fax to (707) 784-4805. Please allow 24-48 hours for the processing of all mailed or faxed applications. The permit can also be issued over the counter at the Department of Resource Management at 675 Texas Street, Suite 5500, Fairfield.

**MATERIALS.** Potable water supply piping and fittings shall be CPVC, PE, or PVC (plastic). Pipe size shall be (1) inch in diameter or larger depending on distance and elevation from the water meter and backflow prevention device to the residence. Pipe, fittings and valves may be supplied by a licensed plumbing contractor or purchased at a building supply and/or hardware store.

**VALVES REQUIRED.** Water piping must be fitted with an approved full-way shutoff valve at the point of entry to each dwelling. Shutoff valves need to be accessible at all times.

**INSTALLATION.** Water supply piping must be installed a minimum of twelve (12) inches below grade. Water piping crossing sewer or drainage piping constructed of clay shall be laid a minimum of twelve (12) inches above the sewer or drainpipe. Piping shall not be covered until inspected, except piping may be covered where it crosses under a driveway in order to maintain access to the residence.

**LOCATION.** No potable water supply piping shall be located in any other lot other than the lot on which the building or structure to be served is located.

**TESTING.** Upon completion of the water supply installation and before the pipe is buried, it shall be tested and proved tight under a water pressure not less than the working pressure under which it is to be used. Install a threaded nipple and attach a water supply (hose) under pressure at one end of the pipe and install a cap at the other end. A 50-pound per square inch (PSI) air pressure test may also be used. Install a threaded nipple at one end of the pipe and screw in

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an air pressure test gauge. Install a cap at the other end and pump until achieving a minimum reading of 50 psi on the pressure test gauge. Both methods of testing shall be for a minimum of fifteen (15) minutes. The Solano County Building Inspector must inspect all testing.

**INSPECTION REQUIRED.** The County building inspector must inspect the pipe in the trench under water or air pressure test prior to covering. Piping may be covered prior to inspection where it crosses a driveway to maintain access to the residence. PLEASE CALL THE 24-HOUR INSPECTION REQUEST LINE AT (707) 784-4750 and request an underground water pipe inspection. Please give the site address and the plumbing-permit number. The site needs to be accessible for inspection.