

## **SOIL TESTING PROCEDURES FOR NEW LOTS**

A QVHD Sanitarian shall witness all soil testing. All scheduling will be done through the office of this health district. Application and fees payable before testing.

Soil testing consists of a minimum of three deep test pits (one down gradient) and one soil percolation hole in the proposed primary area, and one deep test pit and one soil percolation hole in the reserve area. Location to be determined by the design engineer

The deep test pit is dug with a backhoe to a depth of at least seven feet, or until ledgerock is encountered. In some cases, additional pits may be required if ledgerock or high water table indicators are encountered. The perc hole is dug with a post hole digger and should be 6" to 12" in diameter. Each perc hole should be approximately 10 feet from the location of the deep pit, and be an average depth of 24"-30" below ground surface. Shallower or deeper perc holes may be required, depending on test pit inspection results.

The perc hole must be filled with 12" of water at least two hours before the Sanitarian arrives (for adequate presoaking of that hole), but filled no earlier than 30 hours before the test. An additional five-gallon bucket of water must be available at each perc hole to conduct the actual perc test.

The deep test holes should be pre-dug before the Sanitarian arrives. For safety purposes, holes must be filled immediately after the test and inspection by QVHD.