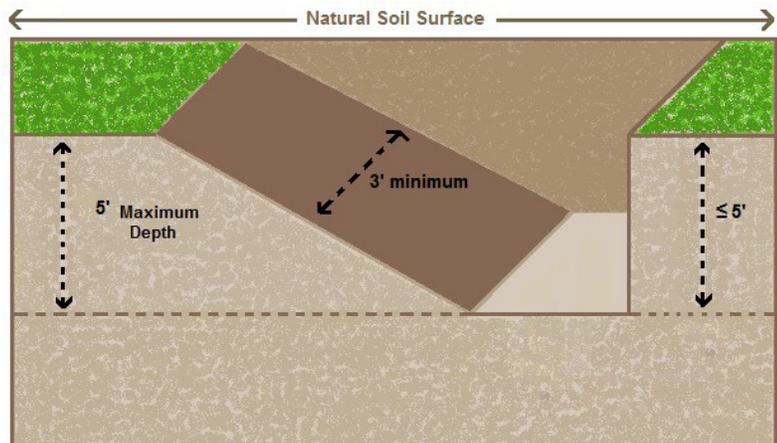


# Guidelines for Test Pit Construction for Onsite Wastewater System Soil Evaluation

## Onsite Wastewater Program



Test pits may be requested by the Department in cases where the evaluator encounters an obstruction during initial evaluation or when an area is known to require test pits due to soil characteristics. This test pit diagram meets South Carolina Department of Health & Environmental Control (DHEC) safety requirements. Local DHEC staff may have more specific guidance for your area depending on local soil classification.



*Above diagram shows the side view of a test pit.*

### If test pits are deemed unsafe, DHEC staff may not be able to complete an evaluation.

- Call 811 to locate underground utilities prior to digging.
- All test pits must be evaluated for stability by a DHEC employee that has been trained to recognize trenching hazards; test pits will not be entered by DHEC staff if the pit is deemed unstable.
- DHEC evaluators will not enter test pits that are deeper than 5 feet.
- Every test pit must have a ramp for entry and exit with a 34 degree slope as required by OSHA standards for Type C soils.
- All spoils (excavated soil) must be placed at least 3 feet from the edge of the test pit.
- All equipment within 20 feet of the test pit that produces vibrations and/or fumes must be turned off to significantly reduce the risk of hazardous atmospheric conditions and collapse. If odor is present or fissures develop in the sidewall, DHEC staff will stop the evaluation and exit the pit.
- It is recommended that test pits be filled immediately after being evaluated. Test pits dug prior to evaluation must be properly barricaded per OSHA standards ([www.osha.gov](http://www.osha.gov)).

Please see the Onsite Wastewater Website ([www.scdhec.gov/SepticTanks](http://www.scdhec.gov/SepticTanks)) for additional information or contact your local DHEC office (<https://www.scdhec.gov/EOffices/>) with any questions.

Material within this informational sheet was obtained from OSHA's trenching and excavation safety standards and SC DHEC's Safety Director.