

There Are Solutions To Sinkhole Problems

The following illustrates how a sinkhole was repaired in Cumberland County.



1) In the first of a series of photos of a sinkhole repair in Cumberland County, first the six-foot deep hole is widened and cleaned using a backhoe to expose the bedrock and cavity.



2) Next, the sinkhole is filled with large field-type stones, some measuring up to 1½ feet in diameter.



3) The sinkhole is then filled with smaller, 2B stones to a depth of two feet.



4) After the 2B stone is laid, a six-inch layer of sand is placed on top.



5) On top of the sand filter is placed a special fiberglass filter fabric. This helps prevent the fine-grained soil from entering into the coarse material below and adds stability over the area.



6) As a last step, about two feet of clay soil is filled in and compacted on top. In this case, the site will be used for a manure pond, so a concrete pad is added as a final step.