

Understanding About Ground Water Around Your Pool

This article is to help you understand why it's so important to divert the water from getting near your swimming pool. When you have a yard that slopes and you are putting your pool near the bottom of the slope you have to make sure water does not go near your pool. If your yard is flat but all the neighbors' yards are above yours you will still have the same issues with ground water. This article should help you understand how ground water could affect your pool.



Water Science Pictures Groundwater seepage

Did you ever see a driveway with some water on it... what could this have to do with ground-water seepage? This picture really demonstrates why there is water in many streams ***even after long periods of no rainfall.*** You have to "look below the surface" (pun intended) of what you see here. The water on the driveway is not runoff from the surface, **but is seepage out of the ground after a downpour the day before.**

During the rainstorm water soaked into the ground in the hill above the driveway. As happens with water below ground, it started moving along underground layers of soil and rock that are porous enough to allow water to move through it. **After a storm, water doesn't move straight down into the ground, but, rather, it moves both downward and horizontally along permeable layers.** The water is moving downhill ("down-gradient") toward the lower ground area.

Normally, the water would just flow underground to the bottom of the hill and seep out of the stream banks into the creek. But here the driveway was dug deep enough into the ground so that it cut into the permeable layer of soil that carries the underground water downhill. Thus, you can see ground-water seepage coming to the surface.

By the way, it is seepage such as this that helps keep water flowing in many creeks and streams during periods of drought.

From (<http://water.usgs.gov/edu/gwdriveway.html>)

DIVERTING THE WATER AWAY FROM YOUR POOL

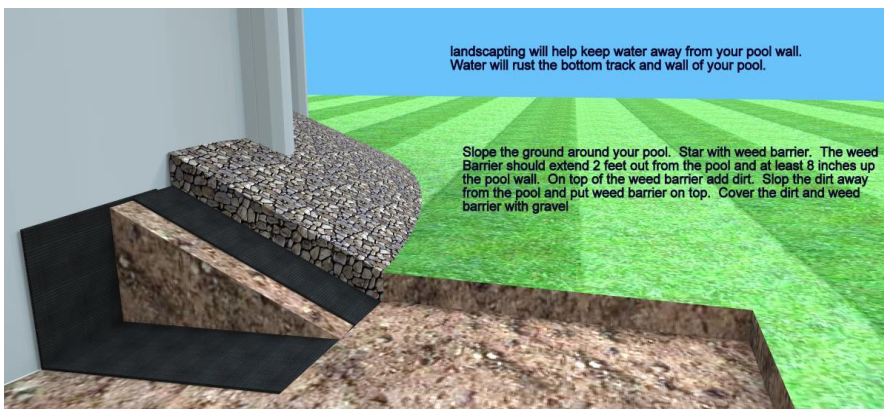
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It's very important to make sure water does not accumulate near the bottom of your above ground pool wall. You must make the water go away from your pool wall. It cannot sit next to the pool wall or water will go under the pool and cause all kinds of problems.

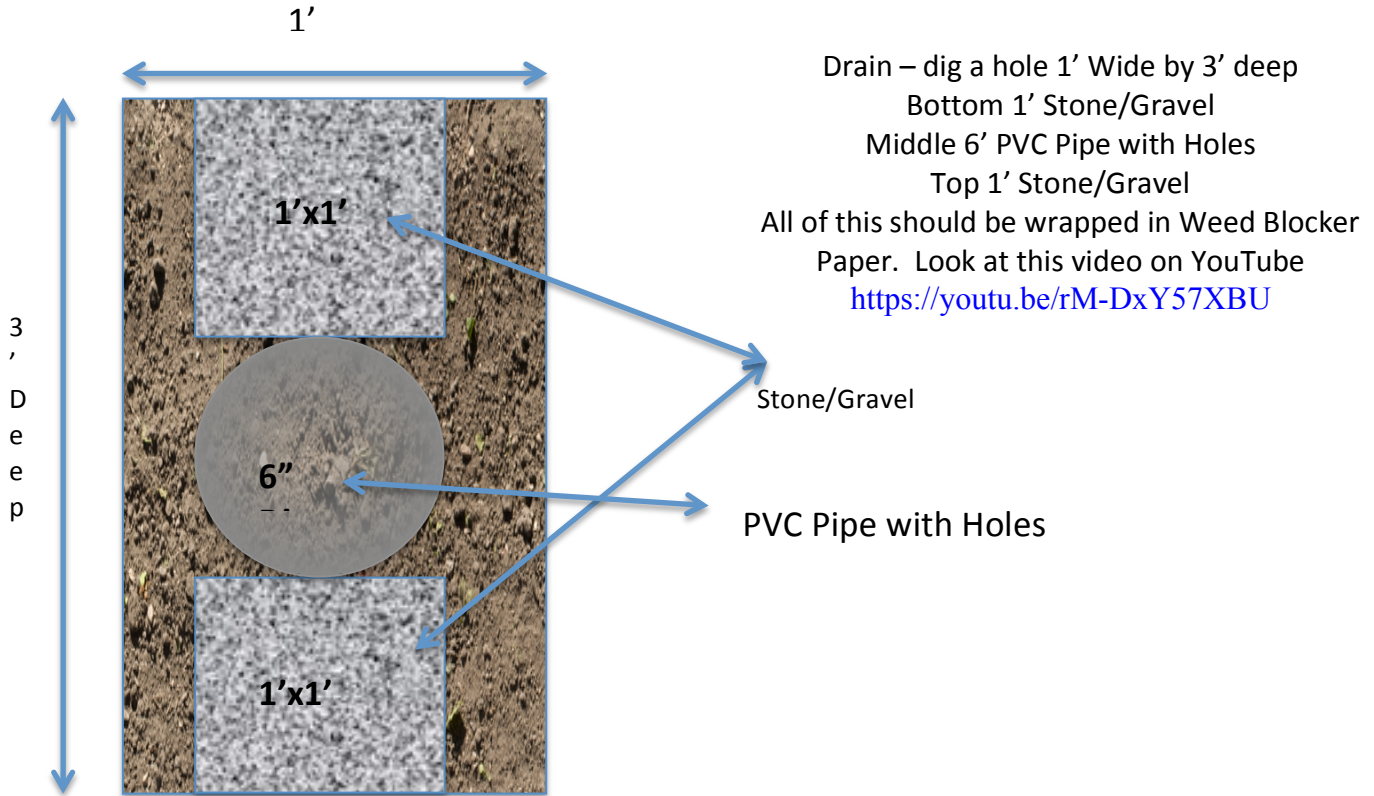
When you have a deck next to your pool the water will go right underneath the pool wall if you don't make a swale or drain under the deck to keep the water away from the pool walls. The sand acts like a sponge and is absorbing all the excess water that is hitting the walls of the pool or is accumulating around the pool wall and track. With the heavy rains we now have in this area we need to take extra precautions to keep water from sitting around your pools. Water was never a problem before because we never had rain in this area like we have now.

Every pool site is different. When it rains go out the next time and watch where the water is going around your pool. Find the problem spots and do what ever you have to do to divert the water away from your pool. If your wall and track sit in water your pool will not last very long at all. The walls and bottom track will rust or oxidize. Like pitting on an old storm door.

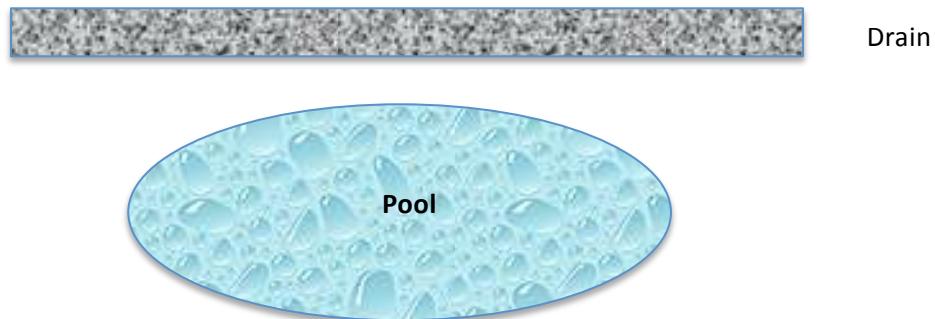
1. Layer of weed blocker paper against the pool wall.
2. Dirt on a slant away from the pool.
3. Another layer of weed blocker paper.
4. Then stone to divert the water away from the pool wall.
5. Whatever you have to do to keep the water from going under your pool.



Making A Drainage System



The drain needs to be made so that it is above the area where the water would flow towards the pool. Make it large than the pool. Example: 15'x30' pool the drain should be if on the 30' side then drain should be 36' long. If the drain is on the shorter side 15' then the drain needs to be 21' long. Remember three feet deep. Round or Oval pool it does not matter as long as the drain is wider than the pool itself.



HERE IS ONE VIDEO INSTALLING DRAIN SYSTEM.....
<https://youtu.be/rM-DxY57XBU>

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