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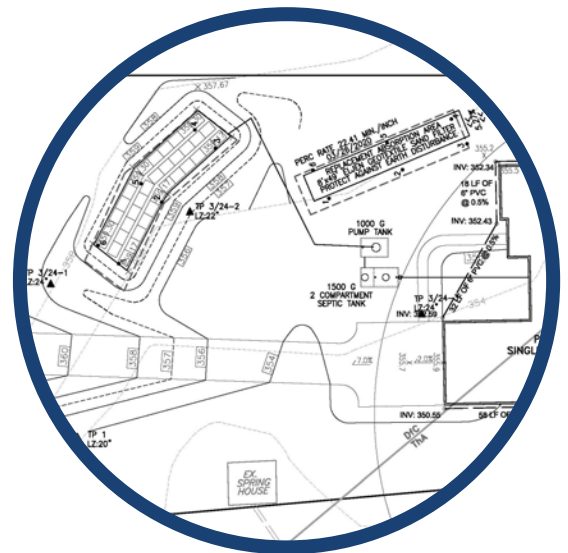
All County and Associates, Inc.



On-Site Sewage (Septic) System Design

Many homeowners do not think about where their wastewater goes. Most people's introduction to an on-site sewage system comes when building a new house or when an existing system fails. This especially occurs in rural areas.

All County and Associates leads you through the permitting process. Our relationships and knowledge ensure a smooth process. We coordinate soil testing, prepare calculations and make the necessary submissions.



Full-Service Civil Engineering Firm

Civil/Site Engineering | Construction Management | Environmental Services |
Land Surveying | Sewage Disposal Systems | Wetland Delineation



What is Involved in an On-site Sewage Design?

On-site sewage system design starts with soil testing. The first step involves digging holds to investigate the distance to a limiting zone. This available distance and soil properties dictate the type of system. There are systems available for poor soils, but the cost of the system increases with complexity.

With a soil investigation performed, the process moves to percolation testing. In this phase, six holes are dug and filled with water. Our Sewage Enforcement Officer monitors the rate of absorption over a two-day period. These rates determine the size of the system.

With all this information, the design preparation occurs. The entire process usually takes 45 to 75 days. Outside factors can extend these lead times. These include time of year, weather, and Township or County availability. Additionally, more complex systems need coordination with and approval by PA Department of Environmental Protection.

How Much Does Permitting an On-Site Sewage System Cost?

No two projects are identical, nor are soils or systems. The typical on-site system costs a few thousand dollars to permit. Once permitted, the typical installation costs tens of thousands of dollars. Some factors in permitting cost variability include:

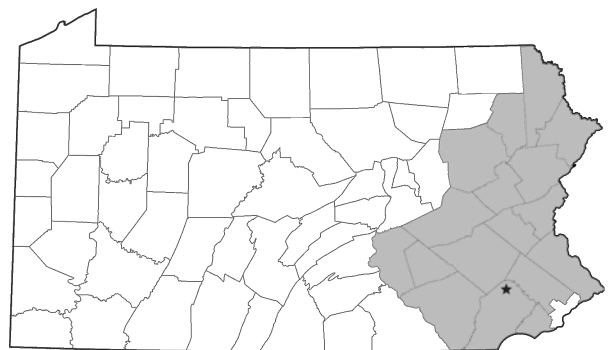
- Soils - Poor or slowly draining soils can require more testing and complex systems.
- Location - Different counties have different agencies.
- Time of Year - Performing testing can be difficult during extreme dry periods and during frozen months.
- Complexity - Alternative technologies require more complex designs and cost more to install.

All County and Associates, Inc.

ACA is a professional Land Surveying, Civil Engineering and Environmental Permitting firm located in Pottstown, Pennsylvania. As a full-service company, ACA has the knowledge and experience to make your goals become reality.

We offer many other services, including:

- Civil / Site Planning
- On-site Sewage System Inspections
- Environmental Permitting
- Wetland Investigations
- Building Permit Plans



Serving 17 Eastern Pennsylvania Counties

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