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## COUNTRY CLUB GOLF HOMES

Country Club Golf Homes, located in Elizabethtown, Kentucky, is a great example of how technology and engineering can come together to make unsuitable land suitable for onsite wastewater dispersal.

Located alongside The Elizabethtown Country Club, developers planned to build a patio home complex, but poor soil conditions, including a shallow restrictive horizon and an extremely high seasonal perched water table had prevented that from moving forward. These problems were solved with the use a Quanics AeroCell® system and drip irrigation. It was the first of its kind in the state.

Several months prior to construction, a dispersal field area was created. High quality fill was added and allowed to settle and a vegetative cover was established before drip placement. The amount of fill required was lessened due to the shallow placement of the drip irrigation tubing. A conventional system would have required much more fill and created a large mound which would detract from the aesthetics of the project. The current drip irrigation field and surrounding landscape blend naturally into the surrounding landscape.



After construction of the treatment system, approximately 3600 linear feet of pressure compensating drip lines were installed into two separate zones. The zoned drip field was placed in the green space that had been reserved in front of the complex. Installation was completed using a vibrating plow which allows very little site disturbance.

Automated control of the management system allows for frequent backwashing of the spin filter and drip field. Qualified personnel keep the system maintained on a mandatory 6-month basis.

