

Puraflo®

Peat Fiber Biofilter

Quick Facts

Application:
Residential Use

Product:
Puraflo® / Perc-Rite®

Designer:
Soil Service Company Inc

Installer:
Ward Brothers, LLC

Location:
Greensboro, NC

Puraflo and Perc-Rite® Enable Upscale Home to be Built on Complex Site

Situation

A valuable residential building lot in Greensboro, NC was not readily accessible to city sewer. Accessing city sewer was price prohibitive because a major thoroughfare was adjacent to the property and easements crossed adjoining properties.



The site also had limited depth of soil for an on-site wastewater system. Soil in this area is typically clay to clay loam.

Greensboro is a large progressive city in central North Carolina. Lots can range from \$35,000 to more than \$200,000. This parcel was a wooded lot in the heart of the city and accessible to a major thoroughfare, shopping and dining. The site was ideal for an upscale singlefamily home.

Solution

The property owner evaluated all alternatives for development and chose the Puraflo peat fiber biofilter with Perc-Rite drip irrigation for the septic system. Due to the limited usable soil for on-site wastewater disposal, pre-treatment was necessary.



After consulting with the designer, Soil Service Company Inc., and the installer, Ward Brothers, LLC, the decision was made to use Puraflo peat fiber biofilters as the treatment method and Perc-Rite drip irrigation as the dispersal method.

Results

After installation, Puraflo created a self-sustaining eco-system via its peat media—consisting of a diverse population of microorganisms. During periods of reduced wastewater flow, the Puraflo microbial population naturally decreases and continuously adjusts to fluctuating flow levels.



Puraflo

