

Case Study: Voorhees, New Jersey, Nursing Facility

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Mitigating the effects of increased stormwater runoff caused by land development is at the forefront of effective stormwater management. The innovative use of nonstructural stormwater management measures in conjunction with traditional and non-traditional structural approaches has become a necessity in the current land development environment. Designs that combine cost effectiveness with a final product that is aesthetically pleasing have helped to garner support and acceptance from developers.

In a continuing effort to combat the adverse effects of stormwater runoff, a 7.6-acre site located in Voorhees, New Jersey was recently developed utilizing both nonstructural stormwater management measures and a variety of structural BMPs. Existing woods throughout the site were maintained and building roof runoff was kept separate from pavement runoff, reducing the volume of water to be treated. Structural BMPs such as porous asphalt, bio-retention swales, vegetated filter strips, a wet pond, and an extended dry detention basin were also incorporated into the site's overall stormwater management design.