

Elementary School Adds Subsurface Storm Water Storage

Gladwyne Elementary School in Montgomery County, Pa., is a public school that teaches students from kindergarten to fifth grade. Although the facility consists of 31 classrooms, the elementary school found itself unable to support anticipated population growth.

The project lead recommended a multiphase expansion of facilities. Initially, Gladwyne installed four provisional modular classrooms, but the facility was in need of a more permanent solution that would replace the temporary structure and expand upon the existing infrastructure.

The architect, Gilmore & Associates, partnered with Chester Valley Engineers Inc. to prepare the site plans for submission. Because the project construction exceeded 1 acre of disturbance, it required an NPDES permit for storm water management. To address space constraints associated with installing an aboveground system, the engineers turned to a product that would provide subsurface storm water storage: Brentwood's StormTank module.

During installation of the 1,172-sq-ft system, Brentwood worked with the contractor, J & P Contracting, to provide onsite pre-construction guidelines. Staff members were available to ensure that the project would run smoothly, despite

the tight installation space. Designed as a seepage bed, the StormTank system provided the necessary storage capacity to meet the project's requirements, and the module's application flexibility allowed the system to be installed in conjunction with the existing facilities and new construction.

Installed in the summer of 2014, the system allowed the contractor to stay on schedule, completing the project prior to the upcoming school year. The system also allowed the engineer to propose a cost-effective solution for meeting strict regulations and provided the school district with an expansion that will serve Gladwyne Elementary School for years to come.

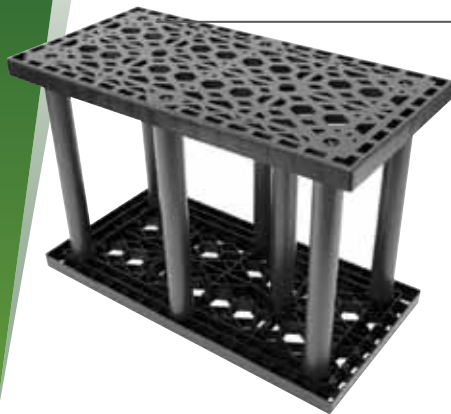


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