Water Conservancy District

Application

29,800 cubic feet of EPS 19 Geofoam was installed as foundation stability fill against the below-grade wall of a new building at the Washington County Water Conservancy District in St. George, Utah.

Project Details

Fall 2008, engineers needed a material to stabilize the foundation of the new water conservancy district's building. The building site was located on a steep slope that required the slope to be cut back into the hillside to make room for the structure. The back side of the building sits approximately 28 feet below ground. An 18 foot layer of Geofoam was installed against the back wall and smaller thicknesses around the sides of the building to reduce soil pressure on the structural wall.

"Geofoam was used as a way to greatly decrease lateral soil pressures on the back and side walls. By using Geofoam the wall thickness was reduced from 16 inch to 10 inch thick, saving significant material and labor costs," Kim Campbell, Campbell & Associates.

Geofoam

Water Conservancy District
- St. George, UT
- Fall 2008
- Geofoam Foundation Stabilization
- 29,800 Cubic Feet

Engineer
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