Application

89,000 cubic feet of Foam-Control® EPS19 and EPS22 Geofoam was installed as utility protection fill beneath the North Valley Highway in Phoenix, Arizona.

Project Details

During spring 2007, an access road to a new residential subdivision, Fireside at Norterra, was proposed to be constructed directly above a 54" in diameter water line. The new road would add between 10' to 14' of additional fill material above the utility. The additional heavy fill material would cause structural damage to the water line.

Engineers utilized Foam-Control® Geofoam for its light weight and high compressive strength to lighten the load on the below-grade utility, rather than relocating the water lines which would be too costly and time consuming. An 8' layer of Foam-Control® Geofoam was installed instead of conventional backfill to minimize weight on the utility and eliminate structural damage.

Geofoam

North Valley Parkway
- Phoenix, AZ
- Spring 2007
- Foam-Control® EPS19 and EPS22 Geofoam Utility Protection Fill
- 89,000 Cubic Feet

Engineer
Mary Cook
Advanced Engineering Solutions, Inc.

Architects
Jim Nichol
Jacon Dean
Brown & Caldwell