

# Beerline B Apartments

## Application

70,050 cubic feet of Foam-Control® EPS Geofoam was installed as utility protection fill in the courtyard of the Beerline B Apartments in Milwaukee, Wisconsin.

## Project Details

The Beerline B Apartments are a new development on the Milwaukee river in downtown Milwaukee. The area has experienced tremendous residential development over the past few years. The Beerline B Apartments are designed with two apartment structures and a proposed parking courtyard in the middle. Beneath the courtyard lies a large Metropolitan Milwaukee Sewerage District (MMSD) concrete pipe.

Engineers determined that conventional fill material would overload the MMSD concrete pipe. They were also concerned about the varied traffic loading, slope of the pipe and slope of the final grade. As a result, engineers turned to Geofoam to protect the concrete pipe and provide a level surface grade for the courtyard.

Three grades of Geofoam (EPS 15, 22, and 29) with tapered top and bottom layers were originally specified. However, ACH Foam Technologies worked very closely with the engineers and contractors to optimize the design, minimize costs and simplify the installation. ACH Foam provided detailed cross-section drawings which illustrated the grades and thicknesses of the Geofoam and their placement.

Eric Warden, Geofoam Contractor, Schneider Excavating, explains “this project turned out to be far more complicated than I had originally anticipated.” There were numerous revisions to “develop the shop drawings, different densities, depths, elevations, slopes and steps. ACH was professional, accommodating and fair.”

## Geofoam

### Beerline B Apartments

- Milwaukee, WI
- Summer 2011
- Geofoam Utility Protection Fill
- 70,050 Cubic Feet

### Contractor

Eric Warden  
Schneider Excavating

### Engineer

Paul Giese  
Giles Engineering



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