

Grove Terrace

Application

250 cubic yards of EPS 15 Geofom was used as retaining wall stabilization fill along Grove Terrace road in Dubuque, Iowa.

Project Details

Spring 2008, heavy rains caused the retaining wall along Grove Terrace road to collapse, resulting in limestone blocks tumbling into the roadway below, prompting the closure of West 11th Street. Engineers selected Geofom for its high compressive strength and because it had already been used in newly constructed areas of West 11th Street.

The limestone blocks were restored and used in the construction of the new retaining wall. This was the first time the design team had worked with Geofom. As a result of the project's success, two other retaining walls have been fixed using Geofom as the retaining wall's stabilization fill.

Geofom has been used for over 30 years in the construction industry for its light weight, high compressive strength, predictable material behavior and ability to reduce lateral or bearing loads. Other fill materials such as foamed concrete, waste tires, soil, woodchips or wood fiber have higher densities but are variable in their makeup, have limitations in handling and can be weather sensitive, requiring staged construction, preloading, surcharging and draining.

Geofom

Grove Terrace

- Dubuque, IA
- Fall 2008
- Geofom Retaining Wall Stabilization Fill
- 250 Cubic Yards

Engineer

Robert Schiesl
City of Dubuque

Dennis Waugh
IIW Engineers & Surveyors

Contractor

Mike Portzen
Portzen Construction



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