

Synteen Uniaxial Geogrids

Armed Forces Reserve Center Reinforced Slope (WWF Facing) Middletown, CT

A Case Study

Project

Armed Forces Reserve Center

Location

Middletown, CT

Owner

US Army Corps of Engineers

Contractor

KBE Ventures
Farmington, CT

Installer

VL Stoneworks
Nashua, NH

Problem

Site required 50ft increased in building pad elevation

Solution

Construct reinforced slope utilizing Synteen uniaxial geogrids, biaxial geogrids and welded wire form facing

Synteen

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When the Army Corps of Engineers decided to build their new Armed Forces Reserve Center in Middletown, CT, they were confronted with a serious issue –the selected building site needed to be raised 50 feet to accommodate building pad construction.

Their solution? Build a reinforced slope utilizing Synteen uniaxial and biaxial geogrids.

By utilizing Synteen SF Series geogrids in custom roll dimensions, VL Stoneworks was able to substantially reduce waste percentages and time required for constructed of the 49,000 ft² reinforced slope.

Synteen produced a 10' wide mesh style facing geogrid that not only eliminated waste for the facing wrap and secondary geogrid, but also eliminated the need for a geotextile wrap at the face of the slope, reducing overall material costs.

