



Project SPOTLIGHT

World's Largest Retailer Uses World's Strongest TRM to Prevent Slope Erosion



Douglas County's premier Wal-Mart development site is located adjacent to a field owned by the Paiute Indian Tribe and the environmentally sensitive Clear Creek in Carson City, Nevada. Throughout the design and construction phase, Wal-Mart was faced with the potential for hefty environmental penalties. Fines were eminent if any sediment reached the adjacent field and stream properties.

Kimley-Horn and Associates, Inc and Wal-Mart chose to armor their steep slopes with Pyramat[®] high performance turf reinforcement mat (HPTRM) because of its ability to blend in with the native soil and vegetation while offering a high strength permanent erosion control solution.

SI Geosolutions' Pyramat is the strongest, most durable TRM available today. It has superior tensile strength (3,000 lbs/ft), exceeding that of an AASHTO M288 stabilization geotextile. Designed for the most demanding slope and storm water channel applications, Pyramat has patented three-dimensional woven



PROJECT FILE

Project	Wal-Mart Site Reinforcement
Location	Carson City, Nevada
Product	Pyramat [®] HPTRM
Application	Slope Erosion Protection
Designer	Kimley-Horn & Associates, Inc.
Installer	CSI California
Date	November 2002

construction that provides slopes and channels with long-term strength, dimensional stability, durability, and functional longevity not available in other permanent or degradable erosion control solutions.

More than 14,280 sq. yds. of Pyramat HPTRM were used to control erosion on the site's 1.5:1 side slopes. After one full growing season, the slopes are more than 50 percent vegetated, and the potential for erosion has been successfully controlled.



Pyramat[®] HPTRM helped Wal-Mart avoid costly fines and prevented damaging erosion from occurring at the company's Carson City site. In addition, the EPA recognizes this vegetated solution as a best management practice (BMP).



4019 Industry Drive • Chattanooga, TN 37416
(423) 899-0444 • (800) FIX-SOIL
FAX (423) 899-7619 • www.fixsoil.com

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