TENAX® Corporation Project Highlight

# Tri-Axial Geocomposite Under a Concrete Sidewalk

**OVERVIEW:** When an attempt was made to prepare the surface for the pouring of the sidewalk, the contractor could not get the required compaction due to the poor quality of the soils and the moisture from ground water. In consultation with Broward County Engineering Department, three proposals were made. These proposals included the use of a geogrid to reinforce the base, a cellular confinement system, and a drainage geocomposite. The drainage geocomposite provided the lowest cost option along with the drainage required to build a stable sidewalk.

**Project Name: Pasadena Estates Sidewalk drainage.**

**Location: Davie, FL**

**Owner: Pasadena Estates at Imagination Farms**

**Product: Tri-Axial Geocomposite**

**Quantity: 4,800 lineal feet**

**Application: Drainage Geocomposite under a concrete sidewalk.**

**Date: January, 2003**

Tenax Tri-Axial Geocomposite was installed on the prepared base, and the concrete sidewalk was poured directly on top of the Tri-Axial Geocomposite. A 6” flap was left exposed to either side of the concrete to allow for free drainage into the adjacent swale. The exposed flap was backfilled to prevent physical damage and UV degradation.

TENAX® Corporation
4800 East Monument Street
Baltimore, Maryland 21205
Office: (410) 522-7000 Order Line: (800) 356-8496
Fax: (410) 522-7015 Waste Mgt: (800) US-GRIDS
Web Site: www.tenaxus.com