

# GEOBLOCK®

## CEMETERY GRASSED ACCESS LANES

### PROJECT TEAM

#### OWNER:

National Cemetery  
Southern California

#### PROJECT ENGINEER:

National Cemetery  
Administration Pacific Division

#### PROJECT CONTRACTOR:

Team West Contracting Corp,  
Corona, CA

#### MATERIAL SUPPLIER:

Triumph Geosynthetics,  
Anaheim, CA



## NATIONAL CEMETERY

Southern California



GEOBLOCK units are installed over an engineered base in a herringbone pattern for multi-directional traffic.

Create a CSI-Spec

## GRASS PAVERS Protect Cemetery Turf from Frequent Access by Excavation Equipment

### A COMMON PROBLEM

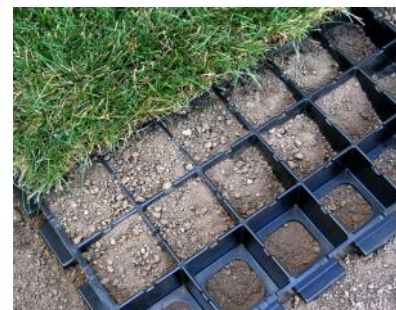
The drive lanes within cemetery grounds are notably challenging to maintain—they are often deeply rutted and sparsely vegetated in the concentrated traffic areas accessed by equipment and vehicles.

Protecting the grass and maintaining the natural aesthetics in these drivable areas was an important concern for a National Cemetery in Southern California, a heavily utilized military cemetery.

### GRASS PAVERS DESIGNED FOR VEHICLE LOADING; TURF PROTECTION

GEOBLOCK®5150 grass pavers protect topsoil infill in their interconnected cells. Large units offer excellent load distribution and resistance to torsional loading.

The cross-section used by the cemetery—2 inches of engineered base—was suitable for the designed H-15 requirement (60,000 lb. loading) when sub-grade California Bearing Ratio (CBR) values are at least 4%.



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**GEOBLOCK®5150 grass porous pavements were designed for frequent traffic with H-15 loading.**

### INSTALLING THE GRASS PAVER ACCESS LANES

GEOBLOCK®5150 grass pavers were installed at sixteen separate locations frequently used by excavating equipment. Most of the access lanes were 13-ft. wide—while one main, centrally-located access lane was 40-ft. wide to allow multiple vehicles to travel in either direction at the same time.

*Top photo:* An engineered base (aggregate/topsoil mix) is placed.

*Bottom photo:* Topsoil infill is placed in the GEOBLOCK paver units.

### INSTALLATION COMPONENTS

The recommended 2/3 aggregate, 1/3 topsoil mix was used for the base, placed at a depth of 2 inches. This base mixture, along with the topsoil component used as infill, is an excellent growing medium for the vegetation. The heavy duty, recycled High-Density Polyethylene (HDPE) paver structure with shared cell walls allow the GEOBLOCK5150 units to carry heavy loads while protecting the vegetation during frequent use.

### THE RESULTS

After a small test area installed 2 years prior performed extremely well with the heavy, frequent loads and allowed for thick, lush vegetation—the owners approved installing over 100,000 sf of the GEOBLOCK5150 grass pavers throughout the cemetery grounds.



# GEOSYSTEMS

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