

OVERVIEW: *Armorflex to Protect Channel at Kern Valley Sanitary Landfill*

When surface water management improvements at Kern Valley Sanitary Landfill were determined necessary, several options were considered including gabions and rip-rap before determining that Armorflex was the best solution for the project.

The Kern Valley Sanitary Landfill is located in remote and beautiful area near Lake Isabella at the southern end of the Sierra Nevada Mountain Range. A popular weekend recreation area for residents of Kern County, it was important to maintain the natural appearance of the channel and provide protection for the landfill. With velocities approaching 17fps, Armorflex Class 70L was required to withstand the demanding hydraulic conditions while still being flexible enough to move with the differential settlement that is expected to occur overtime on the landfill.

Wood Brothers General Engineering chose to have the 40' flatbed trailers that transported the Armorflex dropped and staged onsite to maximize production. The 130,000sq/ft of material required to protect the channel was installed in 8 days.



- PRODUCT:** ARMORFLEX
Concrete Armor Units
- AMOUNT:** 150,000 Units
- LOCATION:** Lake Isabella, Bakersfield, CA
- DATE:** May 2003
- OWNER:** Kern County, Bakersfield, CA
- ENGINEER:** GeoSyntec Consultants
- CONTRACTOR:** Wood Brothers General Engineering
- SUBMITTED BY:** Eric Fish
- DATE:** March 2004