



LOCATION

Pinole, CA

GENERAL CONTRACTOR

Hayward Baker, Inc.

CATEGORY

Precast Panels with LCC

Project Spotlights: Bay Park



ABOUT THE PROJECT

A heavy rainfall event washed away a significant portion of the hillside. Unfortunately, this was close to a retirement home in the town of Pinole, CA. The hillside fell away from the building and ended up taking along a large section of the parking lot. As an effort to rebuild the area, lightweight cellular concrete (LCC) was proposed as a lightweight fill material preventing any future rainfall events from threatening the structure.

LCC is a strong candidate for fill material when faced with slide repair. The low-density material does not add excess load to the hillside and can safely rebuild for active traffic or vehicle storage.

THE SOLUTION

For the Bay Park project in Pinole, a gravity wall system was installed corresponding to each lift of LCC. A uniaxial geogrid was installed between lifts to add rigidity and strength to the wall and LCC structure. The final depth of the LCC fill was 20' and achieved in 2'-3' lifts over the course of 9 days.

