

GEOPAVE®

PERMEABLE AGGREGATE PARKING



Overflow Parking Meets On-Site Infiltration Requirements

The Challenge

The **East Bay Municipal Utilities District (EBMUD)** Walnut Creek Water Treatment Plant (WCWTP) is an Emergency Control Center Post—Disaster. To accommodate the convergence of emergency vehicles during disasters, approximately one-half acre of additional overflow parking (24,000 sf) was required. The designated area was located adjacent to the water treatment facility on land with about a 10% grade sloping into a residential neighborhood.

EBMUD requires low impact construction where ever possible, and the challenge was to construct a large all weather parking lot that could withstand heavy vehicles and equipment at an affordable cost, on sloped terrain without significantly changing hydrology or increasing water shed onto the neighborhood.

EAST BAY MUNICIPAL UTILITIES DISTRICT Walnut Creek, California

PROJECT TEAM

ENGINEER: East Bay Municipal Utilities District (EBMUD)

OWNER: Walnut Creek Water Treatment Plant (WCWTP)

CONTRACTOR: C. Overaa & Co

SUPPLIER: Reed & Graham Geosynthetics



Low Impact Solution

In order to meet these criteria, EBMUD used the Presto GEOPAVE system. When filled with clear stone, the GEOPAVE system provides a highly permeable pavement that eliminates or reduces runoff while accommodating H/HS-20 loads with no traffic frequency restrictions.

Project designer, Chieh Wang with EBMUD, noted that strength was key in the decision to use the GEOPAVE system. The pavement has performed to expectations.



Asphalt cutoff ditch around perimeter of installation.



GEOPAVE units are installed in a herringbone pattern for multi-directional traffic.

Create a CSI-Spec



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