



SF-Rima - Project Report # 6

Project:

Hilton Garden Inn, Calabasas, California

Design Engineer Rene Varga with
Hewitt Zollars, Irvine, CA

Completed: 2002

When it finally rains in Southern California after a long dry spell, the amounts of rain are considerable.

The City of Calabasas required that a minimum of 30% of the site to be permeable to control the first flush from rainstorms. For the construction engineer it was more important to reduce the first flush than controlling the runoff.



Rain intervals in Southern California are long stretched and pollutants such as sediment and oil accumulate on the pavement. When it rains, the proportion of contamination is very high. This is why the subbase was covered with geotextile and a 10 in. thick layer of compacted crushed

stone (3/4 to 1/2 in). This layer served as the filtering and storage medium for the runoff. The paver bedding comprises of a 2 in. layer and the aggregate compacted into the base was 1/2 in and smaller.



SF-Rima™ stones were placed by hand, the pavement compacted and the joints filled with aggregate No. 4 (6mm) and then compacted again.

Spaced a few meters apart, openings were then included in the curbstones to allow excess water from heavy downpours to drain slowly to a nearby grassed area. Furthermore, two drainage pipes each of 4 in. diameter were installed at the lowest point in the subbase. These pipes were then connected to the storm drains.

SF-Rima™ paving stones were laid in halfbond. As can be seen from the photographs, the joints are completely straight and the combination of color shades are a success.

Photo courtesy: Helga U. Piro, SF Concrete

SF-Rima™ manufacturer:
Angelus Block Co., Inc.
Bloomington, California