



# FAULT RUPTURE HAZARD INVESTIGATION for the Sunset Marquis Hotel Expansion Project West Hollywood, California

## PROJECT DESCRIPTION

The Sunset Marquis Hotel is located between La Cienega Boulevard and Alta Loma Road, approximately one-half block south of the Sunset Strip, in the city of West Hollywood, California. The hotel proposed to construct several new bungalows for hotel occupancy in an area currently used as an employee parking lot. Because the Sunset Marquis Hotel expansion project is located within the Hollywood fault zone, fault location and evaluation studies are required by the City for new development.



**Sunset Marquis Hotel and Villas**  
Existing structure is 3 stories with 114 guest rooms; several new bungalows were proposed on the hotel grounds.

*Earth Consultants International* conducted a comprehensive study of the Sunset Marquis Hotel site in order to:

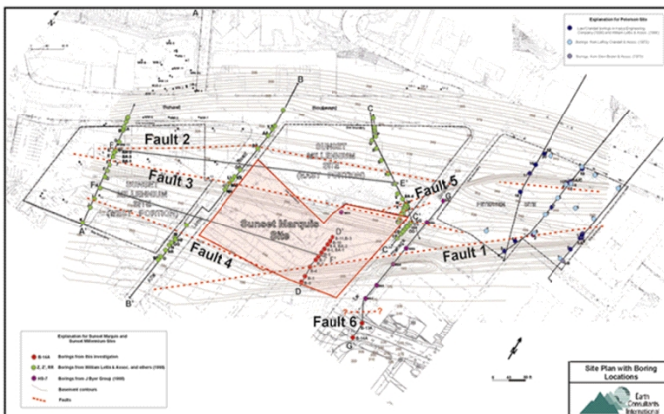
- Resolve the activity of a fault known to project beneath the building site;
- Resolve whether or not there are other active fault strands in the area of the project; and
- Establish, if necessary, setback zones for the proposed buildings.

## SOLUTION

*Earth Consultants International* conducted an extensive subsurface exploration program that consisted of drilling and logging 13 continuously sampled hollow-stem borings, and down-hole logging of two bucket-auger borings. In total, we drilled, sampled, and logged 1,405 lineal feet of material. As a result of these studies, we identified six faults within and adjacent to the site. Detailed studies of the sediments involved in the faulting indicate that all six faults are minor features that have not moved in the past 30,000 years, and possibly not even in the past 100,000 years. Based on these results, we concluded the following:

- The main Hollywood fault is not located beneath the Sunset Marquis Hotel site, nor is it in the vicinity of the hotel; and
- The six secondary faults identified at and adjacent to the site do not pose a surface rupture hazard because they are not active.

As a result, structural setbacks are not required for the construction of several new bungalows at the site.



**Map showing six faults identified and determined to be not active. ECI's borings and prior work completed in the vicinity of the Sunset Marquis Hotel are shown.**

