



## Slide Repair Completed in One Day

Pleasant Hill, California

### City of Pleasant Hill selects the Geopier SRT® system for a difficult slide repair

**Description:** The Public Works Department in the City of Pleasant Hill, California was faced with repairing a shallow slide of about 3,500 square feet in surface area located directly behind a residential property where site access was very difficult. The usual remove and replace method would be near impossible to accomplish in the tight space at the bottom of the slope where the slide occurred. Additionally, the limited budget created further challenges for the City.

Because Plate Piles™ could be installed without the need for a large excavation and filling operation, the Public Works Department selected the Geopier SRT® system. Most importantly to the City, the project could be completed rapidly before the winter rains and at a considerably lower cost than the traditional methods.

**Geopier Solution:** Work began in the morning with regrading and track rolling the slope to restore the rough slope condition. After the slope preparation was completed, the Plate Piles were laid out starting at the bottom of the slope. Three rows at 4 feet on center and 4 feet apart were laid out. The row spacing was increased further uphill. The Plate Piles were driven through the surface soil layer into the underlying weathered sandstone. The tops of the Plate Piles were driven about one foot below grade so as not to be visible. One hundred Plate Piles were installed in the afternoon. The slope was regraded and



track rolled once again. Subsequently, jute erosion matting and wattles were placed over the slope for erosion protection.

### PROJECT HIGHLIGHTS

**Project:**

Pleasant Hills Slope

**System:**

Geopier SRT® system

**Installation:**

100 Plate Piles