



Dee-Morin Slide Repair Los Gatos, California

Civil and Structural Engineering



Client Reference:

Genie Dee and Ronald Morin
23245 Hutchinson Road
Los Gatos, CA 95033
(408) 353-9638

Budget: \$200,000

Project Features:

Tied-Back Soldier Pile Retaining Wall
Tied-Back Grade Beam
Deep Drilled Concrete Piers

MME provided the civil and structural engineering expertise necessary to restore the Morin Access Road after a March 2011 landslide took out the road. We designed a 100-ft long, tied-back soldier beam retaining wall to support the rebuilt road and restore access to this mountain home.

To overcome the very poor soil conditions identified by Pacific Crest Geotechnical Engineers (up to 15-ft of loose fill over 10-ft of clay over mudstone bedrock) our design utilized CIDH concrete piers up to 40-ft deep, tied together with a concrete grade beam and laterally supported by 50-ft long grouted tie-back anchors.

Our design work also included all new drainage systems to convey surface and sub-surface runoff safely down the hillside as well as new paving.

After careful review of our construction documents (plans, specifications & engineering calculations) the County of Santa Cruz issued a building permit in September 2011. Sunstone Construction commenced construction in October 2011 and, after a brief stand down over a relatively mild winter, completed the wall in June 2012.

