



## Slope Stabilization

### Reference Details:

**Owner** Summit  
Community Association,  
Laguna Niguel,  
California, USA +++

**General and Speciality**

**Contractor** Phase 1  
Donald B. Murphy  
Contractors, Inc.,  
Tacoma, WA.; Phase 2  
Schnabel Foundation  
Co., Walnut Creek,  
California, USA +++

**Consulting Engineer**

American Geotechnical,  
Yorba Linda, California,  
USA

**DSI Services** Phase 1:

Supply of 46 pieces of  
DYWIDAG Multistrand  
Anchors 9-0.6" with  
double corrosion  
protection each 53m  
long; Phase 2: Supply of  
196 pieces of  
DYWIDAG Multistrand  
Anchors 9 and 10-0.6"  
with double corrosion  
protection each 60m  
long; Installation of  
temporary DYWIDAG  
soil nails.



## Via Estoril slope stabilization, Laguna Niguel, California, USA

Heavy rains produced A 150m long slide that destroyed several hilltop homes. The project design incorporated a 117m long wall made from circular reinforced concrete caissons with steel pile cores inserted deep into the soil.

Concrete grade beams tied the system together.

A total of 242 pieces DYWIDAG multistrand anchors 9-0.6" with double corrosion protection were anchored back into reinforced concrete grade beams and caissons.