



SECANT PILES | SOIL NAILING | TIEBACKS | SOLDIER PILES & LAGGING

PENITENCIA WATER TREATMENT PLANT - SAN JOSE, CALIFORNIA

The Penitencia Water Treatment Plant site was originally built on an ancient landslide. The site has poor subsurface conditions including shallow groundwater and soft soils which create localized areas of instability.

Schnabel designed and installed soil nails, soldier beams and lagging, and a secant pile wall to help facilitate construction of new structures at the facility. In addition, 1,150 vertical linear feet of drilled piers were installed to contain a smaller slide that developed during construction. Performing the work in difficult site conditions, Schnabel installed over 20,000 square feet of shoring that used over 600 soil nails and tiebacks.

Owner: **Santa Clara Valley Water District**
General Contractor: **Kiewit Pacific**
Design/Build Specialty Contractor:
Schnabel Geotechnical Design & Construction



For more information on this project or any other of our projects please contact Schnabel at:

(703) 742-0020 or visit our website at www.schnabel.com