

On-Call Geotechnical Services for the Santa Clara Unified School District

Santa Clara, California

Client

Santa Clara Unified School District

Timeframe

2009 – Present

Contract Amount

\$220,000

Personnel

Beeson Liang

Bret Treece

Francesca Senes

Grant Deem



The Santa Clara Unified School District (SCUSD) includes sixteen elementary schools, three middle schools, four high schools, and one K-8 school. Since 2009, Geo-Logic Associates (GLA) has been providing geotechnical engineering and construction observation and testing services to the District on various projects.

These projects have included portable buildings, administration buildings, seismic and voluntary upgrade of existing buildings, site utility improvements, solar electric facilities, and pedestrian bridge. Typical work for these projects includes preparation of geotechnical design and geohazards reports following the guidelines of the Division of State Architects (DSA), California Geological Survey (CGS) and California Building Code (CBC). GLA's Morgan Hill laboratory is certified under the DSA LEA program.

Project Highlights

- Geologic and geotechnical literature review
- Geologic site reconnaissance and evaluation
- Subsurface exploration with conventional borings and Cone Penetrometer Test soundings
- Laboratory geotechnical and corrosivity testing
- Engineering analysis, including foundations, liquefaction analysis, ground motion response based on the current California Building Code and ASCE 7
- Preparation of geotechnical design and geohazards reports
- Geotechnical construction observation and testing, including compaction testing, foundation observation, review of submittals and RFIs, preparation and submittal of DSA forms