

Habitat for Humanity

Oceanside, California

Client

Habitat for Humanity

Timeframe

2002 – Present

Contract Amount

\$250,000

Personnel

Ted Primas

Joseph Franzone

William Lopez



Under the direction of Joseph Franzone and Ted Primas, GLA staff provides on-going geotechnical investigation, design, and project/construction management to support construction of numerous single lot residential homes for Habitat for Humanity throughout San Diego County. Work includes subsurface exploration, geologic mapping, laboratory testing, development of geotechnical design recommendations, construction observation and testing, and general problem-solving. Work to date has included 20 single family home sites in Oceanside, California, 10 town homes and 6 single family homes in Escondido, California, 25 homes sites at the San Pasqual Indian Reservation in northern San Diego County after the October 2003 wildfires, and numerous single family sites in Encinitas, Carlsbad, National City, Imperial Beach, San Diego and Crest, California.

Several homes were constructed on the Indian reservations after the 2003 Southern California Wildfires in areas where street addresses were non-existent. As an innovative method to record exact soil sampling and testing locations, GLA representatives used GPS methods to plot locations on USGS topographic maps. In addition to developing the geotechnical design for lot development, GLA personnel also observed and tested the suitability of fill soils to support the residences. Earthwork typically consisted of removal of surficial loose soils, over-excavation of the existing fills and native materials down to competent soil and recompaction of fill within the proposal building pads.

Project Highlights

- Work to date includes over 50 single family homes and 10 town homes
- Several homes were constructed after the 2003 Southern California wildfires
- GLA representatives used GPE methods to plot locations on USGS topographic maps in burn areas.
- Development of geotechnical design recommendations
- Subsurface exploration
- Geologic mapping
- Construction observation and testing
- Observation and testing of fill soil suitability