

California Street Landfill

Redlands, California

CLIENT

City of Redlands Facilities
and Community Services

HIGHLIGHTS

- Expansion design and construction documents
- Closure design and construction documents
- Value engineering resulting in significant cost savings for the City
- Construction quality control
- Joint Technical Document preparation
- Master Plan preparation
- Geotechnical engineering
- Operations support
- Groundwater monitoring

GLA's relationship with the City of Redlands for the California Street Landfill spans more than 25 years, when the City selected the GLA team to prepare and submit a Joint Technical Document (JTD) for landfill expansion; prepare closure and post-closure plans; prepare a master stockpiling plan; and design, permit, and provide construction quality assurance (CQA) services for the 21-acre Phase 1 expansion, the first lined area at the Landfill. During expansion, significant soils needed to be stockpiled. The team suggested that excess soils be used to cover the 20-acre Eastside Landfill, not scheduled for construction for several years. This was approved and resulted in significant savings to the City.

The GLA team then prepared the design and provided CQA services for the Phase 2 expansion. The team worked with the City to modify the design to accept power plant filter cake from a local utility company that would have otherwise required disposal at a hazardous waste facility at great expense. Navigation through a complex regulatory approval process was required to get this design permitted. GLA then provided CQA services for the 9-acre expansion.

The Phase 3 expansion and CQA project was also awarded to GLA. Design involved preparation and permitting of a redesign to allow for developers to build a 200,000 square foot warehouse in the buffer zone south of the operating expansion area. Our relationship with the regulating agencies allowed for the design modification to be approved rapidly, without any modification of the construction schedule. Again, we provided CQA services during the construction of the 6.2-acre expansion, which was constructed with a double-composite liner.

Most recently, we prepared the design package for the 9.5-acre Phase 4 expansion. After regulatory approval, GLA provided CQA for the expansion, including testing and documentation during construction of the earthworks and liner system components, reaching the goal of gaining approval for disposal in the shortest timeframe. GLA has continually provided engineering and operations support, including the update of permitting documents and the preparation of financial assurance documents.

Since 2008, GLA has held an on-call contract with the City to provide hydrogeological services for the Landfill. GLA provides all semiannual and annual groundwater monitoring for the site and performed annual testing of the site leachate collection system.



GLA's suggested use for excess soils resulted in significant savings for the City of Redlands.