

## California Street Landfill

Redlands, California

### Client

City of Redlands, California

### Timeframe

1998 to Present

### Contract Amount

\$1,600,000

### Personnel

Sean Flores	Michael Reason
Jake Russell	Adrienne Thibeault
Neven Matasovic	Terri Satterfield
Stephanie Hamilton	Ben Dell-Era
Caleb Miller	Rogelio Armenta



In 1998, the City of Redlands selected the GLA Team to prepare and submit a Joint Technical Document for expansion of the landfill, prepare closure and post-closure plans, prepare a master stockpiling plan, as well as design, permit, and provide Construction Quality Assurance (CQA) services for the 21-acre Phase 1 expansion, the first lined area at the Landfill. During this expansion, significant soils needed to be stockpiled. The Team suggested that these excess soils be used to cover the 20-acre Eastside Landfill, not scheduled for construction for several years. This was approved, resulting in significant savings to the City. The GLA Team then provided Construction Management (CM) and CQA services for the Eastside Landfill.

The GLA Team was then selected to prepare the design and provide CQA services for the Phase 2 expansion. The Team worked with the City to modify the design of Phase 2 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 in order to get this design permitted. GLA then provided CQA services for the 9 acres expansion.

The Phase 3 expansion and CQA project was also awarded to the GLA Team. The design involved preparation of a permitted redesign to allow for developers to build a 200,000 sf 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, CQA services were provided during the construction of the 6.2-acre expansion, which was constructed with a double-composite liner. GLA is currently working with the City on the Phase 4 Design for the landfill

Since 2008, GLA has provided all of the semi-and annual groundwater monitoring for the site and performed annual testing of the site leachate collection system.

### Project Highlights

- Phase 4 design
- Phase 1 -3 expansion design, construction documents & CQA
- East Side Closure design and CQA
- Joint Technical Document preparation
- Landfill Master Plan
- Interim Fill Plan preparation
- Landfill EIR and CEQA Support
- Alternative interim cover demonstration
- Alternative cap design and permitting
- Borrow soil testing and soil usage analysis
- Site life & drainage calculations
- Landfill cap stability
- Landfill operations support
- Semi-and annual groundwater monitoring