

Projects

The United States Coast Guard (USCG) maintains a small station on the north shore of Lake Tahoe. ERRG was contracted by the USCG to perform a variety of tasks designed to improve the quality of stormwater runoff from the site to Lake Tahoe and bring the site into compliance with the stringent stormwater permit issued by the Tahoe Regional Planning Agency (TRPA). The primary tasks were the elimination of pavement areas exceeding the permitted site coverage and installation of a stormwater collection and filtration system.

The new storm drain system incorporates the use of catch basins with built-in filters designed to reduce the sediment load entering the lake via stormwater runoff. The custom-made catch basin filters were installed, plumbed together, and connected to the existing stormwater outfall at the edge of the property. The new system includes four catch basin filters, three pre-cast manholes, and a cast-in place manhole structure at the connection with the existing stormwater discharge pipe. The existing discharge pipe was lowered approximately 6 inches to accommodate the necessary grades for proper drainage and a new outfall structure was constructed.



Included in the scope of work with the stormwater system, were additional tasks to help bring the station into compliance with the TRPA aesthetic codes.

During construction, ERRG identified numerous topographic issues and other site conditions that had

not been taken into consideration by the architect during the design. ERRG made substantial field corrections to the design and completed additional tasks which increased the scope of the project by approximately 10 percent but did not extend the period of performance.

Stormwater Best Management Practices & Site Improvements

SUMMARY

Owner

U.S. Coast Guard
Civil Engineering Unit

Location

Lake Tahoe, CA

Award Date

July 2006

**Actual Completion Date
or Projected Completion Date**

June 2007

Award Amount

\$577,018

Final Contract Price

\$644,000 (additional scope)

Services Provided

Building Renovation, Alteration
and Repair
Civil Construction
Stormwater Conveyance Systems
Site Security/Vehicle Control
Systems
Asphalt Paving Demo
and Replacement
Re-vegetation, Tree Planting
Fencing and Rolling Gate
Concrete Pad Foundations for
HAZMAT Storage Buildings
Curbs and Gutters
Painting



Engineering/Remediation Resources Group, Inc.

Office Locations > Martinez, San Francisco, Los Angeles, Tustin, Seattle, Portland, Honolulu
Website > www.errg.com