

# U.S. Coast Guard Sector San Francisco, CA

Yerba Buena Island slope stability project, phase II.

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## Project Overview

Sustainable Group assembled an experienced team to design and install a comprehensive slope stability system at this historically problematic site significantly improving slope stability and site safety.

## Reference

LTJG Michael Sumida  
Construction Manager  
Email: [Michael.S.Sumida@uscg.mil](mailto:Michael.S.Sumida@uscg.mil)  
Phone: (510) 603-9141

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## Project Description

The slope above the Sector San Francisco Yerba Buena Island Facility has a long history of rockfall events. Prior to this project, Sustainable Group completed several isolated Design- Bid- Build measures to include stormwater management elements, Reinforced Cable Netting (RCN) installation on the South Hill and a high-strength chain link barrier at the slope's base.

This project implemented a planned and comprehensive engineered approach to the overall slope stabilization. The entire slope was analyzed and priority areas shifted due to active landslides on the slope. The design efforts included drilling several cores for geotechnical analysis which were used in the comprehensive system design. Other elements of work included removal of dead trees and vegetation in specified areas; rockfall debris removal and disposal; installation of an additional 24,000 square feet of RCN draping on the North Hill; and adding a T35 rockfall barrier fence at the base, all of which enhanced the protection and long-term resiliency of the facility. The existing chain link fence was also cleared of previous rockfall debris and repairs made at the slope base.

Sustainable Group provided the on-site construction management, safety oversight, and Quality Control/Quality Assurance for this project bringing it to completion on budget and with a clean safety record despite the dangerous nature of the work to include repelling and working on steep slopes.



North Hillside Existing Condition



Soil Sampling

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### Key Personnel Certifications

PE, LEED AP, PMP, CFM

Sustainable Group is a Service Disabled Veteran Owned Small Business Corporation.

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### Let's Discuss Your Needs

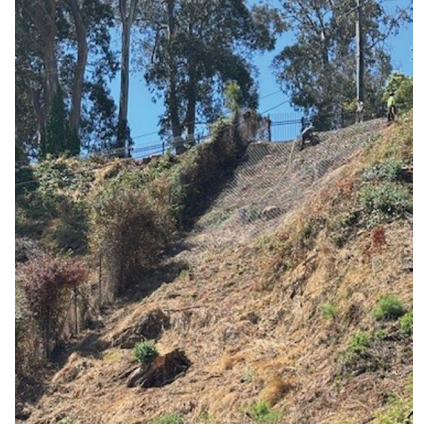
Sustainable Group will become a highly valued and trusted resource that you'll rely upon to consistently provide expert, efficient and professional construction, remediation, demolition, LEED, and facility management consulting services. Contact us at your convenience; we look forward to discussing your needs.

For more information, call us at **925-899-9721**, or email [info@sustainable-group.com](mailto:info@sustainable-group.com).

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South Hillside Scaling of Loose Rock



North Hillside RCN Installation

### About Sustainable Group

Headquartered in Moraga, California, Sustainable Group Inc. is a premier licensed General Contractor (CA #966993, HAZ) providing general construction environmental remediation, demolition, civil site development, and marine construction services. Sustainable Group also offers Leadership in Energy and

Environmental Design (LEED) expertise pertaining to renewable energy and sustainable sites, as well as overall facilities management consulting services. Sustainable Group key personnel have over 35 years of experience in successfully executing projects and performing expert facilities management for multiple Federal entities including the Department of Homeland Security, Department of Veterans Affairs, Department of Defense, Department of Energy, Department of Transportation, Department of the Interior and the Army Corps of Engineers.



New T35 Rockfall Barrier