

U.S. Coast Guard Station Cape Disappointment, Ilwaco, WA

Services to critical portions of the electrical distribution system.

Project Overview

Sustainable Group key personnel performed on-site construction services to underground critical portions of the electrical distribution system.

Reference

Keith Ruch
Contracting Officer's Representative
Email: Keith.J.Ruch@uscg.mil
Phone: (510) 219-5640

Project Description

For decades, U. S. Coast Guard Station Cape Disappointment and the co-located National Motor Lifeboat School experienced multiple power outages each winter due to storm related winds toppling trees and damaging power lines. These power failures significantly affected the operations of both units at the mouth of the Columbia River also known as the "Graveyard of the Pacific." Multiple Search and Rescue cases are conducted each year from the Station as is Heavy Weather Surfman Training that was recently featured on both "60 Minutes" and the "Today Show."

While the entire length of the overhead medium voltage (MV) power lines was nearly 3,500 linear feet, only 1,000 linear feet near the pier facilities was the most problematic as this section was adjacent to a steep hillside with tall trees and substantial amount of decaying vegetation. This Design-Build contract required close coordination with the local utility company, Pacific County Public Utility District No. 2, to underground this section of overhead MV lines. In addition, affected street light circuits and cable TV infrastructure were also placed underground during this project. Finally, the scope of work included extensive tree trimming/removal along the remaining sections.

Prior to construction, Sustainable Group hired a local utility location firm and quickly discovered multiple underground utilities already existed in the area. To further complicate trenching operations, hard rock was also encountered requiring a larger



Tree Trimming Operations



Trenching Operations

Key Personnel Certifications

PE, LEED AP, PMP, CFM

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

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.



Lighting Circuit Vault Installation



Paving of Trench

excavator with hammer attachment to obtain the required depth for the trench. All of these operations were conducted under the watchful eye of a registered archaeologist to ensure no significant historical objects were disturbed during the execution of this project.

Sustainable Group personnel self-performed a significant amount of the work to include all trenching, placement of conduit, backfilling and final site restoration. Key personnel also performed on-site construction management, field superintendence, safety oversight, and Quality Control/Quality Assurance (QA/QC) services throughout the duration of this project that was completed without any safety or quality control incidents of any kind.

About Sustainable Group

Headquartered in Moraga, California, Sustainable Group Inc. is a premier licensed General Contractor (CA #g66993, 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 26 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, and the Army Corps of Engineers.