

Project Name

Kalihi Valley Home Site and Dwelling Improvements, Phase 3A, Honolulu, Hawaii

Client / Owner

State of Hawaii - Housing and Community Development Corporation of Hawaii

Year Completed

2007

Project Description & Firm's Responsibility

Kalihi Valley Homes is a public housing project operated by the State of Hawaii. We were contracted by an architectural firm to provide civil engineering services for the renovation of six buildings and a parking lot.

Work included the preparation of construction plans, specifications, and estimate of probable construction cost for the renovation of an existing State housing development. Improvements included replacing the water and sewer systems; designing a drainage system behind each building to connect to the existing drainage system; repairing an existing concrete-lined drainage channel and outlet; restoring walkways, retaining walls, parking lots, and roadways; grading and stabilizing existing slope embankments; and related improvements. Work also included the preparation of an NPDES permit application for storm runoff during construction.

Extensive field investigation and review of as-built plans and documents were critical aspects of this project during the design phase to evaluate existing conditions. Services during the construction phase involved design changes to mitigate construction conflicts due to unforeseen or changed conditions.

