

Project Name

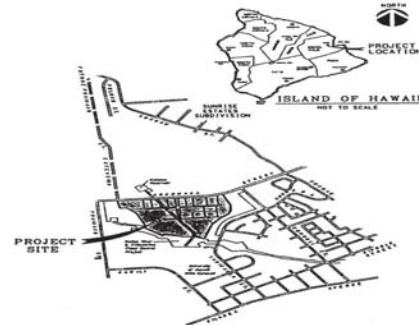
UH Hilo University Park - Roadway Improvements, Phase 1,
Hilo, Hawaii

Client / Owner

University of Hawaii, Hilo Campus

Year Completed

1996



Project Description & Firm's Responsibility

This project involved the expansion of the University of Hawaii Hilo Campus. A 116-acre University Park consists of a research and technology park, student housing, and academic-related facilities. Preliminary engineering studies were conducted to determine infrastructure requirements for this development.

Preliminary engineering plans and reports of the recommended improvements were prepared. Work also included the preparation of an environmental assessment. Design services in Phase I consisted of the addition of sidewalks and water, wastewater, drainage, electrical, and communication systems in a cul-de-sac that was recently constructed for the research and technology park.

Design services also included the main trunk sewers, mass grading for roadways, electrical ducts for future electrical and communication lines, and the relocation of an existing 8-inch water main. Construction of a sewer across Wailoa River also required an application for a Stream Channel Alteration Permit, U.S. Army Corps of Engineers' 404 Permit, Department of Health 401 Water Quality Certification, and Coastal Zone Management Certification.

Infrastructure improvements were constructed for the University Park without approved master plans. Our recommendation to prepare and process master plans for approval by the affected County of Hawaii agencies was accepted by the State Department of Accounting and General Services. A preliminary engineering report was prepared which included master plans for water, sewer, drainage, electrical, and communication systems. Approval of the PER by the respective County agencies facilitated approval of the construction documents for all future infrastructure improvements. The cost estimates included in the PER served the State in budgeting funds for future infrastructure construction by phases.