

Project Name

Wahiawa-Whitmore Village Interconnection: 16-inch Water Main, Wahiawa, Oahu, Hawaii

Client / Owner

City & County of Honolulu, Board of Water Supply

Year Completed

2006

Project Description & Firm's Responsibility

The Board of Water Supply intends to install a new 16-inch water main to provide a second interconnection between the existing water systems serving Wahiawa and Whitmore Village.

Work included the preparation of plans, specifications, and construction cost estimate for the installation of approximately 3,200 linear feet of 16-inch water mains and the transfer of approximately 1,300 linear feet of 6-inch water mains to the new 16-inch main. The work included connecting to existing and/or proposed mains, cutting and plugging the mains to be abandoned, and investigating alternative construction methods such as horizontal directional drilling or the use of ball joint pipe for the Wahiawa Reservoir crossing. Work also included the preparation of an environmental assessment and environmental permits (Section 404, Section 401 Water Quality Certification, and Stream Channel Alteration Permit) necessary for the construction of the new water main.

