

HONOLULU HIGH CAPACITY TRANSIT CORRIDOR PROJECT
SURVEYED PROPERTY CONSIDERED ELIGIBLE FOR NATIONAL REGISTER

TMK: 96003045

Historic Status: **Evaluated Eligible**

Portion of Alignment: **'Ewa portion**

Resource Name/Historic Name: **Waiawa Booster Pump Station**

Sector: **12 Pearl Highlands Station Sector**

Location: **Waiawa Road near Farrington Highway**

Owner: **U.S. Department of Defense**

Station Block: **Pearl Highlands Station Block**

Date-Original: **1943**

Source: **All info for these entries is from AECOS, Inc. (Kailua, HI), *Defense Environmental Restoration Program for Formerly-Used Sites, Inventory Project Report, Waiawa Booster Pump Station, Waiawa, Ewa, Oahu*, Project No. HO9HI035300, November 1987.**

Present Use/Historic Use: **Possibly still used for fuel transfer**

Architectural Description:

This is an underground structure, of concrete construction, measuring 20' x 26' with a side wing 12' x 20'. The above-ground portion consists of an entry doorway set several feet into the hillside that is flanked by concrete retaining walls. A section of concrete roof spans the tops of the two retaining walls at their inner ends, above the doorway. The outer ends of the retaining walls are angled downward to approximately follow the slope of the hillside. Against the right-hand retaining wall (facing the door) is a concrete stairway extending from the top of the retaining wall to the level of the entry, which provides secure footing down the hillside. Another above-ground feature is a vent stack constructed of large-diameter (approximately 18") concrete drain pipe with a "tee" section. Also on the property is a concrete valve box with no cover that contains fuel lines.

Integrity:

Presumed unaltered since historic additions: 1957= "inter-connection between existing fuel lines on docks & on shore, PC Peninsula" and 1959 "Install pipeline fr Waipahu Junction to Waikakalaua" (Hickam AFB Real Estate Office inventory cards for 1) Building 50 Waiawa, and 2) Pipeline Facility 12501.

Significance:

Criterion "A" - for its association with the build-up of infrastructure at Pearl Harbor and Hickam AFB during WWII. Criterion "C" - as an example of the military applications of fuel storage and distribution on Oahu during WWII and the early Cold War. This structure was constructed in 1943 as a booster pump station for additional lift when transferring fuel between Pearl Harbor and the higher elevation storage facilities at Kipapa and Waikakalaua. Fuel distribution at Pearl Harbor was an extremely vital part of the war effort in the Pacific. Several underground storage sites were developed upland of Pearl Harbor (Red Hill, Kipapa) in order to protect the fuel supply from direct attack. This booster pump station was crucial for the utilization of the Kipapa and Waikakalaua facilities. It represents an engineering solution to the problem of transferring fuel from sea level to these facilities several hundred feet higher in elevation. The facility was still in use during the Cold War period of the late 1950s as evidenced by the alterations undertaken here in 1957 and 1959. By the early 1960s the pumping equipment was no longer needed, and although it has since been removed, active fuel transfer lines ran through the facility until at least 1987.

