

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

FOR NPS USE ONLY RECEIVED APR 25 1978 DATE ENTERED OCT 4 1978

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM

SEE INSTRUCTIONS IN HOW TO COMPLETE NATIONAL REGISTER FORMS TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC



Kakaako Pumping Station

AND/OR COMMON

Ala Moana Boulevard

2 LOCATION

STREET & NUMBER

653 Ala Moana Boulevard

NOT FOR PUBLICATION

CITY, TOWN

Honolulu

CONGRESSIONAL DISTRICT

1

VICINITY OF

STATE

Hawaii

CODE

15

COUNTY

Honolulu

CODE

003

3 CLASSIFICATION

CATEGORY

OWNERSHIP

STATUS

PRESENT USE

DISTRICT

PUBLIC

OCCUPIED

AGRICULTURE

MUSEUM

BUILDING(S)

PRIVATE

UNOCCUPIED

COMMERCIAL

PARK

STRUCTURE

BOTH

WORK IN PROGRESS

EDUCATIONAL

PRIVATE RESIDENCE

SITE

PUBLIC ACQUISITION

ACCESSIBLE

ENTERTAINMENT

RELIGIOUS

OBJECT

IN PROCESS

YES: RESTRICTED

GOVERNMENT

SCIENTIFIC

BEING CONSIDERED

YES: UNRESTRICTED

INDUSTRIAL

TRANSPORTATION

NO

MILITARY

OTHER:

4 OWNER OF PROPERTY

NAME

State of Hawaii on lease by Executive Order #284 to the City and County of Honolulu

STREET & NUMBER

State Land Office, Kalanimoku Building P.O. Box 621

CITY, TOWN

Honolulu

STATE

Hawaii

VICINITY OF

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC.

Bureau of Conveyances

STREET & NUMBER

1151 Punchbowl Street

CITY, TOWN

Honolulu

STATE

Hawaii

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

Hawaii Register of Historic Places #80-14-9710

DATE

November, 1973

FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR SURVEY RECORDS

State Office of Historic Preservation Survey

CITY, TOWN

Honolulu

STATE

Hawaii

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input checked="" type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Kakaako Pumping Station is fine example of Hawaiian cut blue-stone construction in the Industrial Romanesque style.

It is a single story, concrete and cut bluestone structure with a series of gable and hip roofs covered with green tile. The central portion of the building is a large two-story element, rectilinear in form with a central, large, cut bluestone window opening. The wall is composed of an irregular pattern of finely cut stone with a rusticated face. The wall terminates in a curved gable parapet with a crown cornice and a flat raised portion at the top in which the date of construction, "1900," is included. There is a small quarter round parapet trim which caps off the parapet. Huge cut stones are placed at the eave of the parapet wall and project slightly from the wall.

To the right of the central element is a small octagonal projection with an octagonal hip roof. On three sides are rectilinear awning type windows. The cut bluestone wall terminates in a projecting cornice with crown moulding and a scalloped dental friez. The cornice is in the form of a crown moulding.

To the left of the central structure is a lower rectilinear element with a hip roof. A large arched door opening springs from two scroll-ed capitals slightly projecting from the wall. At the base of the arch are two cut stone bullet-shaped abutments designed to protect the lower portion of the arch from vehicles. At the south end are triple arched, semicircle window openings with steel bars, and similar openings at the north end.

To the rear of the building is a large tower, approximately 80 feet tall, tapering toward the tip, which terminates with a scalloped parapet cap similar to that of the building. The upper portion is plastered over brick with simulated cut stone pattern. The base being cut stone similar to the rest of the building. The tower is connected to the building by a small bluestone gable roof similar to the tile gable roof of the main structure.

On the northeast corner, and to the rear of the building is a concrete block projection added at a later time. To the rear of the building is another concrete block structure which was added at a later time. Several other shed type structures and open enclosures have been added at later times. irrelevant to the existing architecture.

To the rear of the building unconnected to the original structure is a small, single-story, rectilinear structure of similar form and style. There are two levels of the crown mould cornice with one hip roof slightly above the other. Small tinshed structures have been built around this building.

(continued)

8 SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input checked="" type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES 1900 (Completed) BUILDER/ARCHITECT O.G. Traphagen

STATEMENT OF SIGNIFICANCE

1. Architectural: The structures are an excellent example of Hawaiian-cut bluestone construction in an Industrial Romanesque style, creating a unique architectural character.
2. Historic: The buildings are associated with Honolulu's first professionally designed sewage disposal system. The noted New York Sanitary Engineer, Mr. Rudolph Hering, was retained by the Republic of Hawaii in 1896 to draw up the original plans.

In 1896, the Republic of Hawaii hired Mr. Rudolph Hering, a Sanitary Engineer from New York to plan an effective sewage disposal system for the growing city of Honolulu. He recommended a "separate system" whereby separate networks of conduits carry sewage and storm waters. This system is still in use in Honolulu.

Work began on the system in 1899. The sewer lines were laid out in a gravity flow pattern that terminated at a low point at the intersection of Keawe Street and Ala Moana Boulevard. Here, the Kakaako Pumping Station, designed by O. G. Traphagen was built in 1900. It housed steam-powered pumps that carried the sewage through a force main out to sea some 1200 feet from shore.

In 1925 a brick addition was added on the southwestern side of the 1900 building. This structure housed additional pumps. In 1938 construction on a new pumping station began on the southwestern side of the existing structures. When this station was completed in 1939, the original station was closed down. The 1900 structure was partitioned with hollow tile walls and converted into a machine repair and maintenance shop. In 1955 the Ala Moana Pumping Station opened on the southwestern portion of the lot. At this time, the 1938 structure was abandoned but kept operable for standby purposes. It continues to function in this capacity today.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Metcalf and Eddy, Engineers, Report To: Honolulu Sewage Committee Upon Sewage and Sewage Disposal, Vol. 1, (Metcalf and Eddy: Boston, 1944).

Interview with Mr. Raymond C. Y. Len and Mr. Robert Ishida, Division of Sewers, City and County of Honolulu.

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY 1.148

UTM REFERENCES

A	⁰⁴ 0 3	6 1 7 6 6 5	2 3 5 5 9 5 0	B			
	ZONE	EASTING	NORTHING		ZONE	EASTING	NORTHING
C				D			

VERBAL BOUNDARY DESCRIPTION

The Kakaako Pumping Station is a rectangular parcel of land bounded by Ala Moana Boulevard on the north, by Keawe Street on the east, by TMK 2-1-57:7 on the south, and by TMK parcels 2-1-57:15 and 5 on the west. It occupies TMK land parcel #2-1-57:1.

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE

Gary Cummins - Historian/Bob Fox - Architect

November, 1973

ORGANIZATION

State Historic Preservation Office

DATE

STREET & NUMBER

1151 Punchbowl Street

TELEPHONE

548-6408

CITY OR TOWN

Honolulu

STATE

Hawaii

12 STATE HISTORIC PRESERVATION OFFICER CERTIFICATION

THE EVALUATED SIGNIFICANCE OF THIS PROPERTY WITHIN THE STATE IS:

NATIONAL

STATE

LOCAL

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.

STATE HISTORIC PRESERVATION OFFICER SIGNATURE

TITLE

Jane L. Silverman

DATE

April 12, 1978

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

DIRECTOR, OFFICE OF ARCHAEOLOGY AND HISTORIC PRESERVATION

KEEPER OF THE NATIONAL REGISTER

ATTEST:

William Labovick

DATE

6/14/78

DATE

5/26/78

KEEPER OF THE NATIONAL REGISTER

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

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CONTINUATION SHEET

ITEM NUMBER 7 PAGE 1

Directly to its rear is a rectilinear structure with plastered exterior finish, a large arched opening with a projecting lintel with the legend "1940" incised at its keystone. The corners of the structure are articulated by projecting pilasters which terminate in a slightly projecting beveled base for the structure. The wall terminates with cornice moulding similar to the original structures. A Hawaiian hip roof with slight projecting gable and green tile covers the building. This structure is the actual pumping station, as it goes down approximately three floors with an open well in the center and a great deal of pipe and machinery. On the interior is a rectilinear fluted pilaster column, set diagonally at each corner with a small moulded base and capital. Also, midway between each corner is a similar pilaster protecting the wall. These support a steel channel truss system that forms the hip configuration of the roof. The roof itself is of concrete. On either side and to the rear of the building are two arched openings with steel windows. The area above the double glass and steel entry door has a fan lite configuration which reflects the vertical mullions in the door sash.

The buildings are set in a large lawned area adjacent to Ala Moana Boulevard with a number of large palm trees and shrubbery.

To the rear of the complex are some similar industrial buildings which are contemporary style. Currently the structures are being used as machine and repair shops for municipal purposes. To the right of the main structure, running along Ala Moana is a large, cut stone, rusticated wall with large abutments at the corners and recurring periodically with pyramiding caps.

KAKAAKO PUMP STATION

