



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 621
HONOLULU, HAWAII 96809

SUSUMU ONO, CHAIRMAN
BOARD OF LAND & NATURAL RESOURCES
EDGAR A. HAMASU
DEPUTY TO THE CHAIRMAN

DIVISIONS:
AQUACULTURE DEVELOPMENT
PROGRAM
AQUATIC RESOURCES
CONSERVATION AND
RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

OCT 15 1984

REF. NO.: CPO-751-85
FILE NO.: HA-6/12/84-1704
180-DAY EXP. DATE: 12/9/84

Honorable Hideo Murakami
Department of Accounting and
General Services
P. O. Box 119
Honolulu, Hawaii 96810-0119

Dear Mr. Murakami:

We are pleased to inform you that your Conservation District Use Application for improving the Kulani water systems was approved on October 1, 1984 subject to the following conditions:

1. That the applicant comply with all applicable statutes, ordinances, rules and regulations of the Federal, State, and County governments, and applicable parts of Section 13-2-21 of Title 13, Chapter 2, Administrative Rules, as amended;
2. That the applicant comply with all applicable Public Health Regulations;
3. In the event any unanticipated sites or remains such as shell, bone or charcoal deposits, human burials, rock or coral alignments, pavings, or walls are encountered during construction, the applicant shall stop work and contact the Historic Preservation Office at 548-7460 or 548-6408; and
4. Any work or construction to be done on the land shall be initiated within one (1) year of the approval of such use, and, all work and construction must be completed within three (3) years of the approval of such use. Failure to comply with this condition shall render this application null and void.

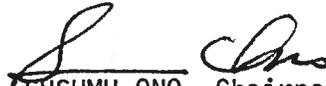
Please acknowledge receipt of this permit with the above noted conditions in the space provided below. Please sign two copies. Retain one and return the other to this Department.

Hon. Hideo Murakami
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Should you have any questions on any of these conditions, please feel free to contact Mr. Gordon Soh of our Planning Office at 548-7837.

Very truly yours,



SUSUMU ONO, Chairperson
Board of Land and Natural Resources

Att.

cc: Hawaii Board Member
Hawaii Land Agent
Hawaii Planning Dept.
DOH/OEQC/EC/DPED/OHA

Receipt Acknowledged:


Applicant's Signature



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FILE NO.: HA-6/12/84-1704
180-Day Exp. Date: 12/9/84

October 12, 1984

Board of Land and
Natural Resources
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Conservation District Use Application
for Water System Improvements at
Kulani Correctional Facility

APPLICANT: Mr. Hideo Murakami, Comptroller
Department of Accounting and General Services
P.O. Box 119
Honolulu, Hawaii 96810-0119

LANDOWNERSHIP: State of Hawaii

LOCATION: TMK: 2-4-08:09 (Portion)

AREA OF PARCEL/USE: 7,244.27 Acres/6 acres

SUBZONE: General (G) Subzone

DESCRIPTION OF AREA/CURRENT USE:

The area is a remote part of the South Hilo District accessible by the Stainback Highway. A portion of the 7,244 acre parcel is used as a State correctional facility presently accommodating about 80 inmates and manned by a staff of 40 persons. It is expected that these will someday increase to 180 inmates and 50 staff persons.

The correctional facility has two water systems: one suitable for drinking, the other for washing and irrigation.

The area is located nearly a mile high above sea level. The finished floor elevation of the kitchen is 5,192 feet. The soil of the area is 3 inches of very stoney muck overlying crushed aa. The soil is named Lala'au, presumably after the "rotten-egg" smell emitted by fumaroles. Rainfall is on the order of 100 inches a year.

PROPOSED USE:

The applicant proposes to install a water system that will render all water at Kulani potable. To do this, he plans to add a filter and chlorinator to the existing systems.

In addition, the applicant would like to increase the water supply to accommodate more inmates and staff (about 40,000 gallons per day.) He cannot tap basal water with a well, so he proposes a catchment system. Water from this system would also have to be filtered and chlorinated so that it will be drinkable. This system is to be on higher ground, a little over 5,280 feet or over 88 feet above the kitchen to provide water pressure. The system, therefore, will need to have a connecting line. The applicant proposes a twelve inch main spanning the distance of nearly half a mile. In case of fire, the applicant proposes to provide the correctional facility with a 300,000 gallon (0.9 acre feet) reservoir to feed a fire fighting surge of 2,000 gallons a minute.

The planned catchment area is to cover 5 acres. It is to be carved out of the earth and lined. It is supposed to be able to hold 5 million gallons (roughly 15 acre feet) or enough to carry the expanded facility over 125 days of drought.

Run off from upslope into the catchment area would be diverted off to the sides of the catchment area. Any water in the catchment would be by direct fall or by drift, not by contaminated runoff.

The applicant would like to encircle the catchment with a four foot high fence. He has described the catchment site as covered with very dense vegetation of ohia, ferns and brush.

SUMMARY OF COMMENTS:

The Division of Land Management recommends approval of the use because it is consistent with the set asides (Governor's Executive Orders 1225 and 1588) for the correctional facility.

The Natural Area Reserves staff advises the proposed land use will have no effect on their existing program.

The Division of Aquatic Resources, the Division of Water and Land Development and the Hawaii County Department of Water Supply have no objections to the application.

The Hawaii District of the Division of Forestry and Wildlife has expressed concern that the catchment will attract wildlife. In particular, the district staff suggests accommodations for wildlife.

The Division of State Parks would like the applicant to stop work and contact the Historic Sites Officer at 548-7460 immediately if historic, cultural, archaeological or paleontological remains are encountered.

ANALYSIS:

Chapter 13-2, Administrative Rules provides that "Development of water collection, pumping, storage, control, and transmission" is a permitted use in a General (G) Subzone.

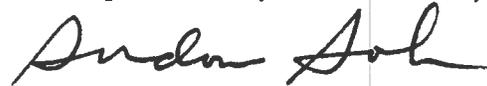
Staff called the Planning Department on the morning of September 17, 1984. Mr. Donald Tong, a county planner, advised that Kulani Prison was not in the Special Management Area.

RECOMMENDATION:

Staff recommends approval of the proposed water system improvements subject to the following conditions:

1. That the applicant comply with all applicable statutes, ordinances, rules and regulations of the Federal, State, and County governments, and applicable parts of Section 13-2-21 of Title 13, Chapter 2, Administrative Rules, as amended;
2. That the applicant comply with all applicable Public Health Regulations;
3. In the event any unanticipated sites or remains such as shell, bone or charcoal deposits, human burials, rock or coral alignments, pavings, or walls are encountered during construction, the applicant shall stop work and contact the Historic Preservation Office at 548-7460 or 548-6408; and
4. Any work or construction to be done on the land shall be initiated within one (1) year of the approval of such use, and, all work and construction must be completed within three (3) years of the approval of such use. Failure to comply with this condition shall render this application null and void.

Respectfully submitted,



GORDON SOH
Program Planning Coordinator

Under the authority delegated by the Board of Land and Natural Resources this application for permitted use as described herein is hereby:

APPROVED
 DISAPPROVED

Dated at Honolulu, Hawaii this
1~~st~~ day of October, 1984.

STATE OF HAWAII

By: 
SUSUMU ONO, Chairperson and Member
Board of Land and Natural Resources