

JOHN WAIHEE
GOVERNOR



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ROBERT P. TAKUSHI
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LLOYD I. UNEBASAMI
DEPUTY COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P. O. BOX 119, HONOLULU, HAWAII 96810

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL LETTER NO. PM-1157.3

MAY 6 1993

Mr. Brian J. J. Choy
Director
Office of Environmental
Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

Dear Mr. Choy:

Subject: Negative Declaration for
Kauai Environmental Education Facility/Camp
Kokee State Park, Kauai, Hawaii
D.A.G.S. Job No. 14-16-6088
TMK 1-4-004

We have received various comments during the 30-day public comment period and have addressed them in our Final EA. Based on the Final EA and comments, the agency has determined that the project will not have significant environmental effects and has issued a Negative Declaration. Please publish this notice in the OEQC Bulletin of May 24, 1993.

We have enclosed a completed OEQC Bulletin Publication Form and four (4) copies of the Final EA. Please contact Sandy Matsumura of Yamasato, Fujiwara, Aoki and Associates, Inc. at 531-8825 if you have any questions.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Gordon Matsuoka".

GORDON MATSUOKA
State Public Works Engineer

RK/si
Encl..

1993-05-23-KA-PEA-Kauai Environmental Camp

MAY 23 1993

FILE COPY

**FINAL
ENVIRONMENTAL ASSESSMENT**

FOR

**KAUAI ENVIRONMENTAL CAMP
KOKEE, KAUAI, HAWAII
DAGS JOB NO. 14-16-6088**

FOR

**KAUAI SCHOOL DISTRICT
DEPARTMENT OF EDUCATION
STATE OF HAWAII**

**Yamasato, Fujiwara, Aoki, and Associates
1100 Ward Avenue Suite 760
Honolulu, Hawaii 96814**

May 1993

TABLE OF CONTENTS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
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45
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71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

TABLE OF CONTENTS

	Page
Chapter I: Description of the Proposed Action	
Description of the Proposed Project	1
Technical Characteristics	1 - 2
Social and Economic Characteristics	2 - 3
Environmental Characteristics	3
Chapter II: Description of the Affected Environment	
Physical Characteristics	4 - 7
Social and Economic Characteristics	7 - 9
Chapter III: Probable impacts of the Proposed Action and Mitigation Measures	10 - 12
Chapter IV: Alternatives to the Proposed Action	13
Chapter V: Agencies, Organizations and Individuals Consulted	
Consulted Parties	14 - 16
Preparers	17
Appendix	1 - 20

ENVIRONMENTAL ASSESSMENT

CHAPTER I

DESCRIPTION OF THE PROPOSED ACTION

Description of the Proposed Project

The Department of Education, Kauai District proposes to establish a multi-purpose outdoor education facility and camp on a portion of Kokee State Park lands to be used by the public schools during the school year, and by other groups during the summer and vacation periods.

The project site is approximately one half mile north of Kokee Natural History Museum and is located about one quarter mile off the main road on 2.33 acres of previously wooded land. The site is presently accessed by a dirt road and has been previously cleared of trees with the exception of a few mature ohia trees. World War II era building foundation and water tank remains are also located in the clearing.

Land Use and Zoning

The subject property is owned by the State of Hawaii and is presently part of lands administered by the Department of Land and Natural Resources (DLNR), State Parks Division. The State Land Use Classification is Conservation.

Upon approval of the Conditional Use Application, a lease agreement will be processed between DLNR and DOE with the property being leased to DOE for the development of the facility.

A letter from State Parks Administrator Ralston Nagata dated April 22, 1992, gave approval for clearing of "previously graded areas" of the site in coordination with Kauai State Parks Administrator George Niitani. This allowed DOE, Kauai District, to participate in a joint clearing project involving the Hawaii Army National Guard and State Parks in July 1992.

The parcel is within the subzone Resource classification. The intended use of the parcel for outdoor education is in accordance with the objectives of the subzone which are to develop, with proper management, areas to ensure sustained use of the natural resources of those areas.

Technical Characteristics

Plans call for a single story multi-use building with kitchen facilities and separate sleeping/shower facilities for boys, girls, and adults. Deck areas will be provided for suitable outdoor activities in rainy weather. The facility will be built to provide overnight accommodations for 32 students and 8 adult supervisors. An individual wastewater treatment unit field is proposed to service the facility.

DOH regulations will be required as follows:

Minimum sanitary facilities are provided in accordance with Chapter 11-11, Sanitation, Hawaii Administrative Rules.

Sleeping facilities are provided in accordance with Chapter 11-14, Housing, Hawaii Administrative Rules.

Kitchen facilities are provided in accordance with Chapter 1-A, Food Service and Food Establishment Sanitation Code, Public Health Regulations, Department of Health, State of Hawaii.

Phase I includes the main multi-use cabin with kitchen facilities and boy's/girl's shower facilities. The main cabin will provide sleeping, living, and dining space.

Future phases are part of an overall master/ultimate site plan for the development of the facility and include separate boy's/girl's sleeping cabins and adult sleeping/shower cabins. There are currently no plans and funds to implement future phases.

Social and Economic Characteristics

Social

The camp will provide a facility suitable for conducting environmental education activities as outlined in the Governor's State Plan. Currently, there is no facility of this type located in Kokee State Park which is readily available to school children.

The combination for overnight stays, hands-on environmental education, and integration of curriculum areas will greatly increase students' knowledge and understanding of Kauai's environment, and enhance the development of a conservation ethic among Kauai's youth.

When not used by the schools, plans call for the facility to be used by DOE and other state agencies, i.e. DLNR - State Parks, as well as private organizations in conjunction with DOE for leadership training sessions and staff conferences. This will provide long term social benefits for teachers and staff as well as for the public.

Economic

Funds are currently available for the construction of Phase I only and costs are estimated to be \$200,000. Building construction is to be done by students from selected high schools with supervision by teachers, volunteer licensed contractors and the trade unions. Construction costs for the later phases have not been determined.

Most of the economic benefit from construction will be generated by revenue from the purchase and supply of building materials. Long term economic factors are not substantial. Department of Education will assume responsibility for care and maintenance of the facility.

Environmental Characteristics

During construction there will be depletion of labor, energy and natural resources that provide materials for construction. There will also be a temporary increase in noise, air pollution, and runoff generated during construction. Grading for construction is designed to be contained to the project site in order to minimize the impact to the surrounding environment. Grading will also require the removal of some native plants and trees.

CHAPTER II

DESCRIPTION OF THE AFFECTED ENVIRONMENT

PHYSICAL CHARACTERISTICS

Location

The proposed site is surrounded on all sides by Kokee State Park, with Kokee Lodge, Kokee Natural History museum, pavilions and campgrounds within one-half mile of the site. Due to its proximity to the Kokee Road, the parcel is in a State Park designated safety zone where no hunting is allowed.

The only activity that occurs on or near the parcel is hiking. An "unofficial" trail follows the old dirt road that passes by a World War II water tank. This trail is not listed on the State Park Division map of Kokee trails.

The proposed building site is on relatively flat land with slopes less than 10% at the base of Kaunuohua Ridge and is surrounded by heavily wooded, hilly terrain. Much of the site was previously cleared, and includes the remains of a concrete building foundation. Also standing are the remains of a World War II era water tank in poor repair. A dirt road provides minimal vehicular access to the site from the main paved road.

All construction and grading is planned within the level cleared area.

Topography

Topography of the site is variable. The parcel is located at the base of Kaunuohua Ridge which extends southward above Kokee Natural History Museum.

The primary building site area consists of relatively flat slopes of approximately 10%. Steeper slopes covered by dense vegetation occur along the upper and lower borders of the parcel.

Above the primary building site area, slopes vary from less than 10% to a maximum of 30%.

Below the building site, the land drops off into a gully that leads down to Noe Stream. The steepest slopes on the lower east site of the parcel are approximately 20%.

Flood Hazard

Flood hazard has not been indicated by the Federal Insurance Administration. The existing sloping grade provides adequate drainage. Grading improvements will not obstruct or divert the flow of water through and off the site.

Bodies of Water

Noe Stream is the only body of water in close proximity to the site and is located about one half mile south of the project site and outside the property boundaries.

Elekeniike Stream is located north of the parcel.

Wetlands

There are no wetlands located in the project area.

Flora and Fauna

Vegetation

The parcel is located in a diverse mesic forest where ohia lehua and koa are the dominant species. In June 1992, prior to initial surveying, botanical consultant Ken Wood and staff conducted rare plant surveys at the request of DOE.

The results of the rare plant survey as well as observations by DOE resource staff have determined that no plant species on the state or federal lists of endangered species were located on the site. Also, no "candidate" endangered species listed in the Federal Register by the Smithsonian Institute were located on the site.

The most abundant native trees and shrubs found on or adjacent to the site as a result of observations and the rare plant survey include the following:

olopua (*Nestegis sandwicensis*), 'ohi'a lehua (*Metrosideros polymorpha*), pilo (*Coprosma waimeae*), kopiko (*Psychotria mariniana*), naupaka kuahiwi (*Scaevola procera*), and 'a'ali'i (*Dodonaea viscosa*).

Occasional to infrequent native species include:

koa (*Acacia koa*), 'iliahi or sandalwood (*Santalum freycinetianum*), halapepe (*Pleomele aurea*), kolokolo kuahiwi (*Lysimachia glutinosa*), pukiawe (*Styphelia tameameae*), 'ohe'ohe (*Tetraplasandra kauaiensis*), manono (*Hedyotis terminalis*), po'ola (*Claoxylon sandwicensis*), maua (*Xylosoma hawaiiense*), 'uki'uki (*Dianella sandwicensis*), 'uki (*Machaerina mariscoides*), and maile (*Alyxia oliviformis*).

Numerous native mosses and ferns found in the area include;

palapalai (*Microlepia setosa*), ho'io (*Athyriopsis japonica*), and 'ekaha (*Elaphoglossum crassifolium*). Uluhe (*Dicranopteris linearis*) is abundant on the slopes adjacent to the site.

Introduced species include the following:

Strawberry guava (*Psidium cattleianum*) and firetree (*Myrica faya*) are the most abundant trees in the area. Several large Monterey cypress (*Cupressus macrocarpa*) are located adjacent to the site, three of which were blown over by Hurricane Iniki in September 1992.

Weedy vining species including banana poka (*Passiflora mollissima*), maile pilau (*Paederia foetida*), and honeysuckle (*Lonicera japonica*) are also abundant. Other introduced species that occur in the area include yellow ginger (*Hedychium flavescens*), kahili ginger (*Hedychium gardnerianum*), blackberry (*Rubus argutus*), daisy fleabane (*Erigeron karvinskianus*), European strawberry (*Fragaria chiloensis*), kikuyu grass (*Pennisetum clandestinum*) and various grass and sedge species.

Fauna

DOE resource staff have observed five native forest bird species which are commonly seen in the area:

Kaua'i 'amakihi (*Hemignathus virens stejnegeri*), 'Anianiau (*Hemignathus parvus*), Kaua'i 'akepa (*Loxops coccineus* var. *caeruleirostris*), 'I'iwi (*Vestiaria coccinea*), and Kaua'i 'elepaio (*Chasiempis sandwichensis*).

Also observed in the area are:

Hawaiian owl or pueo (*Asio flammeus sandwichensis*) as well as large numbers of red jungle fowl, or moa.

Several introduced bird species are observed to be fairly abundant in Kokee including the following:

Japanese white-eye, zebra dove, erckel's francolin, hwamei, white-rumped shama, common myna, house sparrow, northern cardinal, house finch, and nutmeg mannikin.

Air Quality

Air quality is excellent due to the lack of significant sources of air pollution in the vicinity and the elevation.

Noise

Ambient noise levels in the area are generally quite low due to the low population density.

Scenic and Visual Resources

There are no significant vistas which can be viewed from the site due to the density of the surrounding trees and vegetation. However, the site is located nearby two very significant scenic resources: Waimea Canyon and Kalalau Lookouts.

SOCIAL AND ECONOMIC CHARACTERISTICS

Population

The primary population generated primarily by day visitors and campers to the park. The semi-resident population is small and scattered throughout the park.

Land Ownership and Use

The project site is located in Kokee State Park and all surrounding land uses are park related. Approximately 20 scattered homesites are located in the adjacent vicinity as well. Support services and facilities are located at Kokee State Park Headquarters and the Kokee Natural History museum.

Lodge facilities are also available for campers and visitors.

Other facilities located around the perimeter of the park include the Pacific Missile Range Facility, Hawaii Air National Guard and the NASA Geophysical Observatory.

The parcel may receive slight usage for collecting of native plant materials for lei-making, etc. but the lack of suitable native plant materials on the parcel greatly limits its usefulness for such purposes.

State Parks Division future plans for the adjoining land includes the expansion of the Kokee Natural History Museum. This expansion will increase educational displays and programs which will enhance and interface with the facility programs.

Employment

The support services at Kokee Lodge, Kokee Natural History Museum and Kokee State Park Headquarters are staffed by full time employees and volunteers. Numbers of staff varies depending on the numbers of visitors to the area. The various facilities located outside the park are also staffed by full time employees.

Historic/Archaeological Resources

Field observations and investigations conducted by DOE resource staff have determined that no significant historic, archaeological, or cultural sites are located on the project site or within the

property boundaries.

Transportation

Transportation throughout the park is provided by paved roads in good condition. Access from the main paved road to the project site is provided by an existing dirt road. Plan include the widening and improving of this dirt road.

Utilities

The only utility on the site is an un-used waterline connecting to water tank. A main waterline in working condition is located about one quarter mile away, along the main road. Telephone and electrical supply can be obtained from existing lines running along the main road.

Preliminary investigations of the feasibility of providing utilities and the impact of increased utility loads to the environment were made. A brief summary follows:

Sewer

There are no wastewater treatment plants located in the area. An individual wastewater treatment unit field will be required. The proposed facility is located in an area designated as a "Critical Wastewater Disposal Area with No Exception" and is required to meet standards as stated in Chapter 11-62, Wastewater Systems, Hawaii Administrative Rules.

Water

Domestic water to the area is supplied by existing perched ground well storage tanks, located about one mile from the project site in an adjacent valley south of the project site. These existing water tanks currently supply water to surrounding homes. Initial conversations with State Parks Division, County of Kauai, determined that the existing tanks have the capacity to accommodate the increased water demand required by the proposed facility.

The existing tank and proposed buildings were found to be at about the same elevation. Appropriate design measures will be taken to compensate for the elevation and to minimize demand on the existing source during peak usage hours.

The nearest water source within the same valley is located nearby at Camp Slogett. This water source is maintained by State Parks but is no longer active and is fed by a surface water intake from Noe Stream. Per DOH Clean Water Branch regulations, no wastewater discharge is allowed into any potential water source.

Drainage

The project site is gently sloping and provides adequate surface drainage.

Communications and Safety

Electrical utility lines are located along the main paved road. Additional utility poles and lines will be required to provide power to the facility. Telephone service is available in the project area.

Limited fire fighting equipment and trucks are available for park uses.

Permits and Waivers

The development of the proposed facility will include the application and approvals prior to the start of construction including approvals required by the County of Kauai and the State of Hawaii, Department of Land and Natural Resources and Department of Health.

CHAPTER III

PROBABLE IMPACTS OF THE PROPOSED ACTION AND MITIGATION MEASURES

PROBABLE IMPACTS AND MITIGATION MEASURES

Water Quality

Any impacts on water quality are being addressed. Proper design measures will be taken with coordination of DOH and DLNR to minimize any anticipated impacts.

There will be an increase in water consumption due to requirements for showers, toilets, kitchen, and maintenance of grounds. These demands are anticipated to occur at intermittent times during the day and night and not to be a constant demand.

A relatively low constant water pressure demand of approximately 15 gallons per minute on the supply tanks can be maintained by utilizing the on site storage tank to help equalize the demand load during peak demand times.

Drainage and Runoff

The proposed project will increase runoff due to clearing and grading of existing ground cover. The impact is anticipated to be minor.

During construction, measures will be taken to insure minimal impact on the surrounding environment and to prevent any runoff of sediment and other water pollutants into Noe Stream in accordance with Chapter 11-55, Water Pollution Controls and Chapter 11-54, Water Quality Standards, Hawaii Administrative Rules.

These measures include containing the grading and runoff on the site and removing and preserving the top soil. The design and construction of drainage facilities to minimize any impacts and to restore site drainage to pre-development conditions will be employed if necessary.

Air Quality

There will be a small increase in air pollution from vehicles using the facility. The impact is anticipated to be minor.

The proposed facility will result in the generation of air pollution due to motor vehicles bringing students to the facility. There may also be a minor increase in traffic congestion and noise levels due to the more intensive use of the property.

Effective control measures such as dust fences and watering wagons will be used to mitigate any impact to the surrounding areas during construction in accordance with Chapter 11-60, Air Pollution Controls, Hawaii Administrative Rules.

Waste and Debris

Grub material and demolition and construction debris generated by the project will be removed from the site and disposed of at a site approved by the State Department of Health. No debris or waste will be burned.

Flora and Fauna

Clearing and grading of the site during construction will necessitate the removal of several dozen native plants and grasses, all of which are not rare or endangered species. Improvements to the dirt road will require the removal of several dozen native trees and shrubs.

Conservation and preservation measures will be employed to avoid damage to the vegetation during construction and later use of the site.

These measures will include the identification and tagging of uncommon plants found on the site and the re-planting of native species removed during construction. Top soil removed during construction will be replaced for planting purposes.

Noise

There will be a minor increase in noise levels during construction and due to the active use of the site and vehicles servicing the facility. The impact is anticipated to be minor.

Traffic

Traffic is expected to increase during construction and thereafter only with the transportation of students to and from the site. The contribution of the facility to traffic congestion will be minor and will generally occur at other than peak hours.

Sewer

A proposed wastewater treatment system will create some impact on potential water sources provided by Noe Stream. This issue is being addressed and proper design and construction measures will be employed, with coordination from DOH and DLNR, to minimize impact on the environment.

Historic/Archeological Resources

There will be no adverse impact on historic or archaeological resources.

Social and Economic Conditions

Social

All social impacts are anticipated to be positive. The facility will promote environmental education, awareness and appreciation which provides both short and long term benefits for the environment and the community.

Economic

There will be little economic impact due to the construction or maintenance of the facility.

Communications and Safety

There will be little impact to existing public services due to the increase in population to Kokee State Park generated by the proposed facility. Telephone communication will be provided and any emergency that may develop can be handled by Waimea Hospital and local fire and police stations.

Fire Protection

The proposed facility will impact existing limited State Parks maintained fire protection equipment and facilities. Preliminary discussions with Captain Mike Kanno, Kauai Fire Department, have determined that due to the location of the project site and the limited availability of water, fire hydrants or a building sprinkler system is not feasible.

Design measures will be taken with the coordination of the Kauai Fire Department to provide adequate fire protection for the facility with minimum impact on existing services.

Scenic and Visual Resources

The project site, located off the main road and surrounded by wooded area, is not visible from the main road and has a minimal visual impact on the park as a whole. The proposed buildings are designed to retain the rustic feeling of existing structures in the park and sited in clusters of cabins to minimize building mass.

No significant scenic resources will be blocked or compromised by the facility.

CHAPTER IV

ALTERNATIVES TO THE PROPOSED ACTION

Project Alternatives

No other projects have been proposed for the site. Alternative projects that could be built at this location would include facilities similar in nature or for other educational use.

Site Alternatives

The proposed site was identified by both the State Parks Division and Department of Education, County of Kauai, as the best suitable location for the facility. Alternative sites under consideration were found to be not suitable.

Camp Slogett, currently staffed by YWCA, has cabin facilities but no suitable meeting/classroom facilities.

Existing buildings of the Job Corp Camp are in poor condition and not suitable for habitation.

No Action Alternative

Not building at all is contrary to fulfilling the Governor's State Plan and will deprive the Department of Education and ultimately the students of Kauai of a tremendous opportunity for environmental education.

CHAPTER V

AGENCIES, ORGANIZATION AND INDIVIDUALS CONSULTED

Consulted Parties

I. STATE OF HAWAII

- A) agency: Department of Education
address: P.O. Box 2360
Honolulu, HI 96804
attn: Charles Toguchi, Superintendent
phone: 586-3230
fax:
- B) agency: Department of Education
address: District of Kauai
360 Eiwa Street
Lihue, HI 96766
attn: Shirley Akita, District Superintendent
phone: 1-241-3321
fax: 1-241-3820
- C) agency: Department of Health
address: Environmental Management Division
5 Waterfront Plaza, Suite 250 A
501 Ala Moana Blvd.
Honolulu, HI 96813
attn: Thomas Arizumi, Chief
phone: 586-4304
fax:
- D) agency: Department of Health
address: Environmental Health Services
3040 Umi Street
Lihue, HI 96766
attn: Clyde Takekuma
phone: 1-241-3323
fax:
- E) agency: Department of Land and Natural Resources
address: 1151 Punchbowl Street
Honolulu, HI 96813
attn: Roger Evans, Administrator, OCEA

phone: 587-0388
fax: 587-0390

- F) agency: Department of Transportation
Highways Division
address: 869 Punchbowl Street
Honolulu, HI 96813
attn: Rex Johnson, Director
phone: 587-2150
fax: 587-2167
- G) agency: Office of Environmental Quality Control
address: 220 S. King Street, 4th Floor
Honolulu, HI 96813
attn: Brian Choy, Director
phone: 586-4185
fax:
- H) agency: Office of State Planning
address: 250 S. King Street, 4th Floor
Honolulu, HI 96813
attn: Harold Masumoto, Director
phone: 587-2833
fax:
- I) agency: State Historic Preservation Office
address: 33 S. King Street, 6th Floor
Honolulu, HI 96813
attn: Nancy McMahon, Archaeologist
phone: 587-0047
fax:
- J) agency: Department of Accounting and General Services
Division of Public Works
address: P.O. Box 119
Honolulu, HI 96810
attn: Roy Kimura, Project Manager
phone: 586-0463
fax: 586-5030

II. COUNTY OF KAUAI

- A) agency: Planning Department
address: 4280 Rice Street, Annex No. 2
Lihue, HI 96766
attn: Jeffrey Lacy, Planning Director
phone: 1-245-3913
fax:
- B) agency: Department of Public Works
Division of Engineering
address: 3021 Umi Street
Lihue, HI 96766
attn: K. Masaki, H. Funimura, M. Nishihara
Department of Parks and Recreation
phone: 1-245-4751
fax: 1-245-9029
- C) agency: Department of Water Supply
address: 3021 Umi Street, P.O. Box 1706
Lihue, Hawaii 96766
attn: Raymond Sato, Mgr. and Chief Engineer
phone: 1-245-6986
fax: 1-245-5813
- D) agency: Office of Economic Development
address: 4444 Rice Street, Rm. 204
Lihue, HI 96766
attn: Glenn Sato, Director
phone: 1-241-6390
fax:
- E) agency: Fire Department
address: 4223 Rice Street #230
Lihue, HI 96766
attn: Capt. Mike Kanno
phone: 1-246-4435
fax:

Preparers

The following firms were involved in the preparation of this Environmental Assessment:

Yamasato, Fujiwara, Aoki and Associates
Kodani and Associates
Department of Education, County of Kauai

APPENDIX

JOHN WAIHEE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P. O. BOX 119, HONOLULU, HAWAII 96810

ROBERT P. TAKUSHI
COMPTROLLER
LLOYD I. UNEHASAMI
DEPUTY COMPTROLLER

LETTER NO. PM-1066.3

FEB 24 1993

Mr. Brian J. J. Choy
Director
Office of Environmental
Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

Dear Mr. Choy:

Subject: Draft Environmental Assessment (EA) for
Kauai Environmental Education Facility/Camp
Kokee State Park, Kauai, Hawaii
D.A.G.S. Job No. 14-16-6088
TMK 1-4-004

The Department of Accounting and General Services has reviewed the draft environmental assessment for the subject project and anticipates a negative declaration determination. Please publish a notice of availability for this project in the March 8, 1993, OEQC Bulletin.

We have enclosed a completed OEQC Bulletin Publication Form and four (4) copies of the draft. Please contact Sandy Matsumura of Yamasato, Fujiwara, Aoki and Associates, Inc. at 531-8825 if you have any questions.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Gordon Matsuoka".
GORDON MATSUOKA
State Public Works Engineer

BP/si
Encl.

DEPARTMENT OF WATER

COUNTY OF KAUAI
P. O. BOX 1706
LIHUE, HAWAII 96766-5706

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FEB. 24 1993

Yamasato, Fujiwara, Aoki
& Associates, Inc.

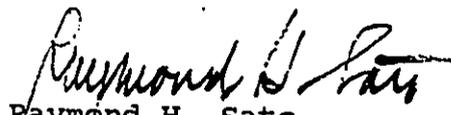
February 22, 1993

Mr. Maurice H. Yamasato
YAMASATO, FUJIWARA, AOKI
& ASSOCIATES, INC.
1100 Ward Avenue, Suite 760
Honolulu, HI 96814

Re: Draft Environmental Assessment (EA) for Kauai
Environmental Camp, TMK: 1-4-004, Kokee State Park,
Kauai, Hawaii, DAGS Job No. 14-16-6088

We reviewed the draft environmental assessment for the
subject project and have no comments to offer at this time.

Thank you for the opportunity to comment.


Raymond H. Sato
Manager and Chief Engineer

WH:rm

JOHN WAIHEE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

REX D. JOHNSON
DIRECTOR

DEPUTY DIRECTORS
JOYCE T. OMINE
AL PANG
JEANNE K. SCHULTZ
CALVIN M. TSUDA

RECEIVED

IN REPLY REFER TO:
STP 8.5049

Feb. 26, 1993

February 24, 1993

Yamasato, Fujiwara, Aoki
& Associates, Inc.

Mr. Maurice H. Yamasato
Yamasato, Fujiwara, Aoki & Associates, Inc.
1100 Ward Avenue, Suite 760
Honolulu, Hawaii 96814

Dear Mr. Yamasato:

Subject: Draft Environmental Assessment for
Kauai Environmental Camp

We find that the proposed Kauai Environmental Camp at Kokee, Kauai, will not adversely impact our transportation programs or facilities.

Thank you for the opportunity to provide comments.

Sincerely,

A handwritten signature in cursive script, appearing to read "Rex D. Johnson".

Rex D. Johnson
Director of Transportation

JOANN A. YUKIMURA
MAYOR



GLENN H. SATO
DIRECTOR

COUNTY OF KAUAI
OFFICE OF ECONOMIC DEVELOPMENT
4444 RICE ST. - RM 204
LIHUE, KAUAI, HAWAII 96766
TELEPHONE (808) 245-7305

RECEIVED
FEB 27 1993

Yamasato, Fujiwara, Aoki
& Associates, Inc.

February 26, 1993

Mr. Maurice Yamasato
Principal
Yamasato, Fujiwara, Aoki & Associates
1100 Ward Avenue, Suite 760
Honolulu, HI 96814

Dear Mr. Yamasato:

Thank you for the opportunity to review the draft environmental assessment for the proposed Kauai Environmental Camp at Kokee State Park, Kauai.

I wholeheartedly support the concept of the camp. I believe that we have too few of these facilities around, and Kauai will benefit greatly, especially after Hurricane Iniki.

I have the following comments and questions about the report which, hopefully, will improve the assessment and make it more complete:

1. What is the status of the Kokee water system in terms of capacity and the ability to handle the consumption that will be generated by this project? Is there a low supply problem?
2. The report states that the proposed project will increase runoff. How close are the two streams which are shown on the attached map and would the facility generate any pollutants that might impact these streams?
3. The socio-economic impacts should discuss the communications/safety issues with this type of facility. There may be concerns that accidents will occur with any gathering of people, especially students, and that this will impact the Kauai Veterans Memorial Hospital, Kauai Fire Department and the Kauai Police Department.

MAILING ADDRESS: 4444 RICE STREET, ROOM 230, LIHUE, HAWAII 96766 FAX NO: 245-6479

Appendix - 4

Page 2
Maurice Yamasato
February 26, 1993

Would 4-wheel drive vehicles be required to access the site during wet weather?

I hope that my questions and comment serve to create a better project that will be safe for our children. I look forward to seeing the completed project.

Sincerely,

Glenn Sato

Glenn Sato
Director

1100 Ward Avenue
Suite 700
Honolulu, Hawaii 96814



ARCHITECTURE PLANNING ARCHITECTURAL INTERIORS

Telephone (808) 531-8825
Facsimile (808) 521-9302

April 29, 1993

Mr. Glenn Sato
Director
County of Kauai
Office of Economic Development
4444 Rice Street, Room 204
Lihue, Hawaii 96766

Dear Mr. Sato:

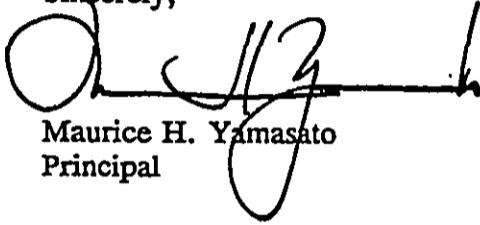
Thank you for taking the time to review the draft environmental assessment for the proposed Kauai Environmental Camp at Kokee State Park, Kauai. The comments and concerns that you have expressed will be addressed in the final report. Below are answers to your specific questions that I hope are satisfactory.

1. Plans call for water for the proposed project to be supplied by existing water tanks located in the adjacent valley, about one half mile from the project site. These existing water tanks currently supply water to surrounding homes. Initial conversations with State Parks Division, County of Kauai, have determined that the existing tanks have the capacity to accommodate the increased water demands required by the proposed facility. In addition, the facility will require intermittent rather than constant, daily usage. Design measures will be implemented to help minimize water use demand during peak hours of use.
2. Of the two adjacent streams, Elekeniike Stream, is north and above the project site and no impact due to the facility is anticipated. Noe Stream is located south and below the project site. The impact of the proposed wastewater treatment system on Noe Stream are being addressed and an appropriate design solution will be coordinated with DLNR, State Parks Division, and implemented.

3. Communications/safety issues have been addressed. Impacts to existing services is anticipated to be minor. Design measures will be taken, with approval of the Kauai Fire Department, to provide adequate access for fire trucks and ambulances in the event of a fire or accident.

The access road will be improved and surfaced with to allow access by cars, trucks, vans, as well as 4 wheel vehicles under all weather conditions.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Yamasato', written over a horizontal line.

Maurice H. Yamasato
Principal

JOHN WAIHEE
GOVERNOR

CHARLES T. TOGUCHI
SUPERINTENDENT



RECEIVED
MAR 7 1993

STATE OF HAWAII
DEPARTMENT OF EDUCATION
P. O. BOX 2360
HONOLULU, HAWAII 96804

Yamasato, Fujiwara, Aoki
& Associates, Inc.

OFFICE OF THE SUPERINTENDENT

February 26, 1993

Mr. Maurice H. Yamasato, Principal
Yamasato, Fujiwara, Aoki and
Associates, Inc.
1100 Ward Avenue, Suite 760
Honolulu, Hawaii 96814

Dear Mr. Yamasato:

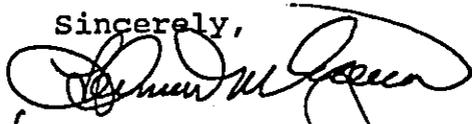
SUBJECT: Draft Environmental Assessment (EA) for
Kauai Environmental Camp, Kokee State Park, Kauai
TMK: 1-4-004

The Department of Education supports the district's effort to establish a Kauai Environmental Camp on Kokee State Park. The multi-purpose facility once completed will enable the public schools on Kauai to use the facility to enhance students' knowledge and understanding of Kauai's unique environment.

We have reviewed the subject draft environmental assessment and have no comment on the report.

Should there be any questions, please call the Facilities Branch at 737-4743.

Sincerely,



Charles T. Toguchi
Superintendent

CTT:hy

cc: A. Suga
S. Akita

AN AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY EMPLOYER

Appendix - 8

JOHN WAIHEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF HEALTH
KAUAI DISTRICT HEALTH OFFICE
3040 UMI STREET
LIHUE, HAWAII 96766

March 3, 1993

JOHN C. LEWIN, M.D.
DIRECTOR OF HEALTH

RON METLER, M.D.
DISTRICT HEALTH SERVICES ADMINISTRATOR

RECEIVED

MARCH 5, 1993

Yamasato, Fujiwara, Aoki
& Associates, Inc.

Mr. Maurice H. Yamasato, Principal
c/o Yamasato, Fujiwara, Aoki & Associates, Inc.
1100 Ward Avenue
Suite 760
Honolulu, Hawaii 96814

Dear Mr. Yamasato:

SUBJECT: REQUEST FOR COMMENTS
Draft Environmental Assessment (EA) for the Kauai
Environmental Camp, Kokee State Park, Kauai,
Hawaii TMK: (4)1-4-04
DAGS Job No. 14-16-6088

Thank you for soliciting our comments on the subject project. We have reviewed the subject document and offer the following comments for your consideration.

1. Being that the proposed outdoor education facility and camp will be used by the public schools, the minimum sanitary facilities shall be provided in accordance with Chapter 11-11, Sanitation, Hawaii Administrative Rules.
2. The proposed sleeping facility shall comply with all applicable minimum requirements of Chapter 11-14, Housing, Hawaii Administrative Rules.
3. The proposed kitchen facility shall meet the applicable requirements of Chapter 1-A, Food Service and Food Establishment Sanitation Code, Public Health Regulations, Department of Health, State of Hawaii.
4. The proposed development is situated in an area that is designated as CRITICAL WASTEWATER DISPOSAL AREA WITH NO EXCEPTION. The type of wastewater system permitted shall meet the minimum applicable requirements of Chapter 11-62, Wastewater Systems, Administrative Rules, State of Hawaii.
5. In accordance with Chapter 11-60, Air Pollution Control, State Administrative Rules, the property

owner/developer shall be responsible for ensuring that effective control measures are provided to minimize or prevent any visible dust emission caused by the construction work from impacting the surrounding areas including the off-site roadways used to enter/exit the project. These measures include but are not limited to the use of water wagons, sprinkler systems, dust fences, etc.

6. In accordance with Chapter 11-55, Water Pollution Control and Chapter 11-54, Water Quality Standards, Hawaii Administrative Rules, the property owner/developer shall be responsible for providing the best management practices (BMP) to prevent the discharge of sediments, debris, and other water pollutant into the Noe Stream during construction.
7. In accordance with Chapter 11-58, Solid Waste Management Control, State Administrative Rules, the property owner/developer shall be responsible for ensuring that grub material, demolition waste and construction waste generated by the project are disposed of in a manner or at a site approved by the State Department of Health. Disposal of any of these wastes by burning is prohibited.
8. The proposed development shall be provided with potable water from an approved source.

Due to the general nature of the application submitted, we reserve the right to implement future environmental health restrictions when more detailed information is submitted.

Should you have any questions, please do not hesitate to call me at 241-3323.

Sincerely,

Clyde Takekuma

Clyde Takekuma
Registered Sanitarian VI
Kauai District Health Office

gt/CT

cc: A. Bauckham (EPO)



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE HISTORIC PRESERVATION DIVISION
33 SOUTH KING STREET, 6TH FLOOR
HONOLULU, HAWAII 96813

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DONA L. HANAKE

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CONSERVATION AND
RESOURCES ENFORCEMENT
CONVEYANCES

FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
DIVISION

LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

March 4, 1993

Mr. Maurice H. Yamasato
Principal
Yamasato, Fujiwara, Aoki and Associates, Inc.
1100 Ward Ave, Suite 760
Honolulu, Hawaii 96814

LOG NO: 7655
DOC NO: 9302NM30

Dear Mr. Yamasato:

**SUBJECT: Draft Environmental Assessment (EA) for Kauai Environmental Camp
TMK: 1-4-004 Kokee State Park, DAGS (Job no. 14-16-6088)
Kokee, Waimea, Kauai**

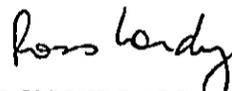
Thank you for submitting the following for EA for our comments. According to this EA, a World War II water tank and building foundation exist on the subject parcel. The site has been cleared and leveled.

On page 4, your EA does not mention that no archaeological surveys have taken place in the project area. The current statement under Section 5 B) is correct.

Given this information and the likelihood that the ground surface was previously altered to construct the barracks and the water tank, we believe that significant sites are unlikely to be present and that the project will have "no effect" on such historic sites.

If you have any questions, please contact Ms. McMahon, our staff archaeologist for the County of Kaua'i, at 587-0006.

Sincerely,

for 
DON HIBBARD, Administrator
State Historic Preservation Division

NM:amk

c: Bruce Piercy, DAGS

JOANN A. YUKIMURA
MAYOR



COUNTY OF KAUAI
PLANNING DEPARTMENT
4280 RICE STREET
LIHUE, KAUAI, HAWAII 96766

JEFFREY LACY
PLANNING DIRECTOR
DEE M. CROWELL
DEPUTY PLANNING DIRECTOR
TELEPHONE (808) 245-3919

March 4, 1993

Maurice H. Yamasato
Yamasato, Fujiwara, Aoki & Associates, Inc.
110 Ward Ave, Ste 760
Honolulu, HI 96814

RE: Draft EA, Kauai Environmental Camp,
TMK 1-4-004, Kokee State Park, Kauai Hawaii
DAGS job no. 14-16-6088

Dear Mr. Yamasato,

Thank you for the opportunity to review the Draft Environmental Assessment for the Kauai Environmental Camp. Based on the information presented in the Draft, we have no objection to the project and would support such an effort. The final EA may wish to address the following questions and concerns:

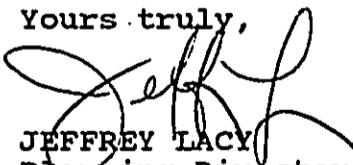
Will the facility be available for public use?

The EA indicates that there are no sensitive habitats on the property. What source is this based on? Due to the nature of the park, there could be sensitive habitat nearby. Has any area greater than the immediate site been surveyed?

The EA indicates there will be no impact on any archeological resources. What source or information is this based on?

This is referred to as Phase I. Is there any timetable or master plan for the entire project?

Yours truly,


JEFFREY LACY
Planning Director

1001 Ward Avenue
Suite 700
Honolulu, Hawaii 96811



ARCHITECTURE PLANNING ARCHITECTURAL INTERIORS

Telephone (808) 531-8825
Facsimile (808) 521-9002

April 13, 1993

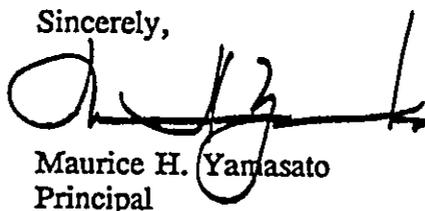
Mr. Jeffrey Lacy
Planning Director
County of Kauai
Planning Department
4280 Rice Street
Lihue, Hawaii 96766

Dear Mr. Lacy:

Thank you for taking the time to review the draft environmental assessment for the proposed Kauai Environmental Camp at Kokee State Park, Kauai. The comments and concerns that you have expressed will be addressed in the final report. Below are answers to your specific questions that I hope are satisfactory.

1. The proposed facility will be used primarily for DOE related activities but be available to community organizations or businesses for conferences or environmental education activities.
2. The determination of no sensitive habitats located on or near the site is based on observations made by DOE resource staff who are very familiar with the area. The determination of no archaeological resources was also made through observation by DOE resource staff and conversations with local residents who are familiar with the history of the area. Formal archaeological surveys of the area have not been conducted.
3. A master plan has been developed and included with this letter. At this time, there is no timetable for construction of future phases of the master plan.

Sincerely,



Maurice H. Yamasato
Principal

JOHN WAIHEE
GOVERNOR OF HAWAII



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

REF:OCEA:SKK

DOC. NO.: 2487

APR 6 1993

1696
Keith W. Ahue, Chairperson
BOARD OF LAND AND NATURAL RESOURCES

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HISTORIC PRESERVATION PROGRAM
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

Mr. Maurice H. Yamasato
Yamasato Fujiwara Aoki & Associates, Inc.
1100 Ward Avenue, Suite 760
Honolulu, Hawaii 96814

Dear Mr. Yamasato:

SUBJECT: Draft Environmental Assessment (DEA) for the Kauai
Environmental Camp at Koke'e State Park, TMK: 1-4-004

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the submitted Environmental Assessment (EA) and have the following comments.

The Department of Land and Natural Resources (DLNR) is currently reviewing a Conservation District Use Application (CDUA) for the proposed Kauai Environmental Camp (CDUA KA-2630). At this phase of the overall process we do have concerns relative to water service and sewerage that have not been adequately addressed in the EA document.

According to our Division of Water and Land Development, water supply and sewage disposal for this facility should be determined prior to implementation. The shortage of adequate water resources and proper sewage disposal to prevent contamination of the perched water well and emergency stream sources in the Koke'e area are problems that should be carefully addressed.

According to information provided by our Division of State Parks, the applicant's sewer system will have to be independent rather than connected to the recently developed system for the Park headquarters area because the State Park's system is limited. Any effluent or leach field area must be located outside the "valley" where the subject property is located, since this site is upstream from the State Park's existing water supply source and would otherwise be a potential pollution source.

Also, there is a need to develop cooperative agreements regarding the use of public areas of the park such as trails, restrooms and pavilion by the applicant's relatively large school groups. An agreement is also needed for possible general public use of the education center whenever it is not being used by the applicant. These agreements and other Conservation District Use Agreements can be incorporated into the applicant's lease.

1100 Ward Avenue
Suite 760
Honolulu, Hawaii 96814



Maurice H. Yamasato

Gary S. Fujiwara

Alfred S. Aoki

Hoyl M. Higa

Telephone (808) 531-8825
Facsimile (808) 521-9902

April 29, 1993

Mr. Keith W. Ahue
Chairperson
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Thank you for taking the time to review the draft environmental assessment for the proposed Kauai Environmental Camp at Kokee State Park, Kauai. The comments and concerns that you have expressed will be addressed in the final report. Below are answers to your specific questions that I hope are satisfactory.

Water supply and sewage disposal for this facility are being addressed prior to implementation. The shortage of adequate water resources and proper sewage disposal to prevent contamination of the perched water well and emergency stream sources in the Kokee area are being addressed.

1. Plans call for water for the proposed project to be supplied by existing water tanks located in the adjacent valley, about one mile from the project site. These existing water tanks currently supply water to surrounding homes. Initial conversations with State Parks Division, County of Kauai, have determined that the existing tanks have the capacity to accommodate the increased water demands required by the proposed facility. In addition, the facility will require intermittent rather than constant, daily usage. Design measures will be implemented to help minimize water use demand during peak hours of use.
2. The impact of the proposed wastewater treatment system on Noe Stream is being addressed and an appropriate design solution will be implemented in coordination with DLNR and DOH.

DOE will not have large school groups using the facility. Plans call for no more than 25 -

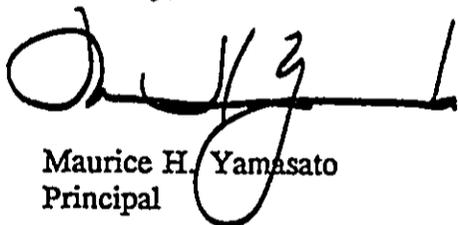
30 school children plus 6 - 8 adult supervisors using the facility at one time. All DOE activities will be planned in coordination with DLNR to best utilize public areas of the park such as trails, restrooms and pavilion.

Whenever the facility is not being used by DOE, any general public or non-DOE users will be required to sign a " Use of Facility " agreement which states condition of use and liability. The signing of this type of agreement is a standard procedure for all public or non-DOE use of any DOE facility.

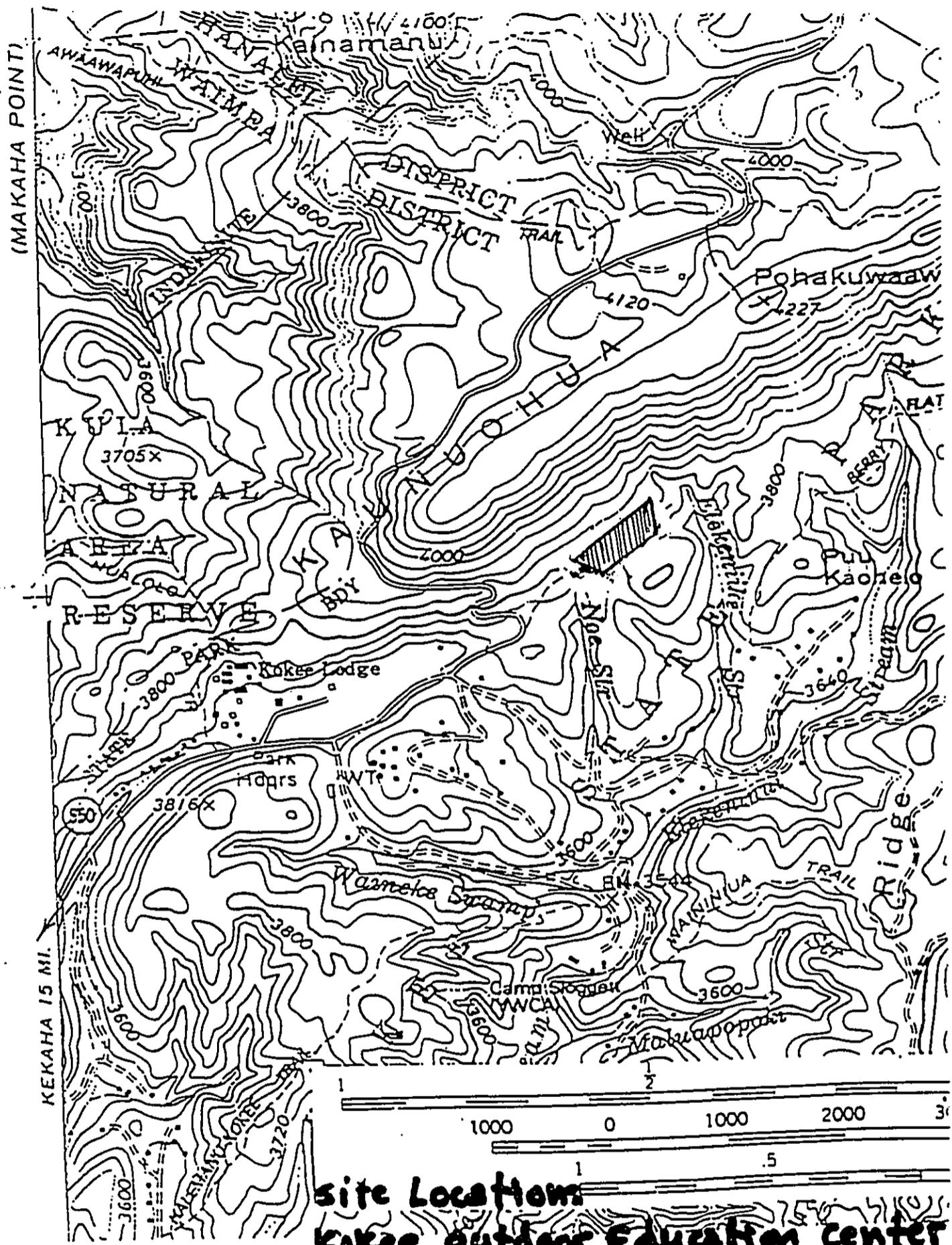
In early stages of planning, DOE consulted DLNR Division of Aquatic Resources. DOE has developed environmental education programs in coordination with DLNR Division of Aquatic Resources Information and Education Specialists Wade Ishikawa and Don Heacock to familiarize students with existing recreational fishing harvest opportunities and regulations in addition to gaining an understanding of the significance of stream habitats, species, and ecosystems.

Proper safety instruction for students and staff will be implemented as a standard part of DOE programs for Kokee Park and will precede all activity in the park. Standard safety procedures will also be a part of the " Use of Facility " agreement as required for all non-DOE users.

Sincerely,



Maurice H. Yamasato
Principal

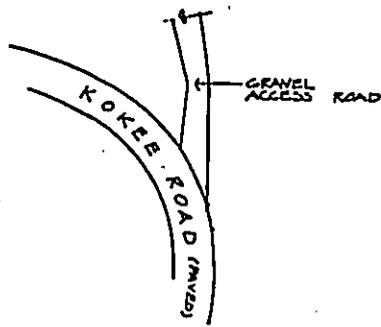
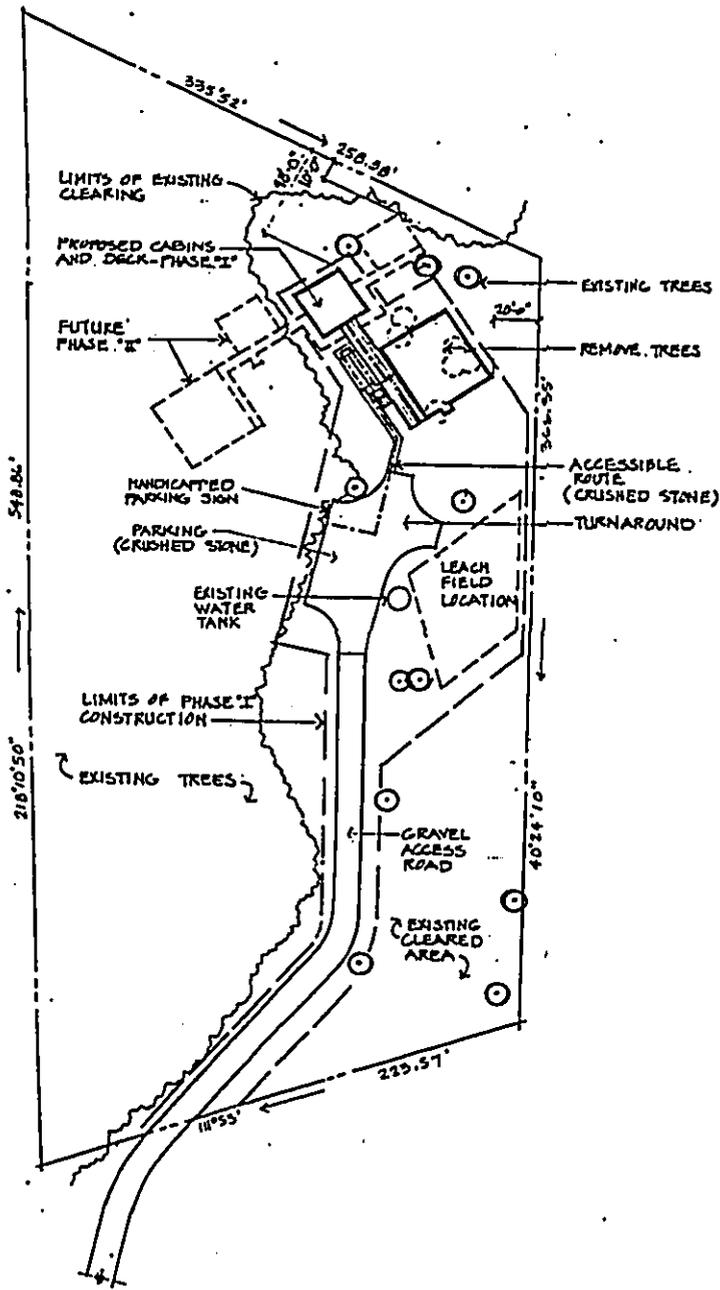


CAMP

APPROVA

CHIEF, DIVISION OF SERVICES
DEPARTMENT OF GENERAL SERVICES
STATE OF HAWAII

STATE PUBLIC WORKS
DEPARTMENT OF GENERAL SERVICES
STATE OF HAWAII



A SITE PLAN
A-1 SCALE: 1"=40'

Appendix - 19

INC.

ND DETAILS

ID DETAILS

TI S AND DETAILS

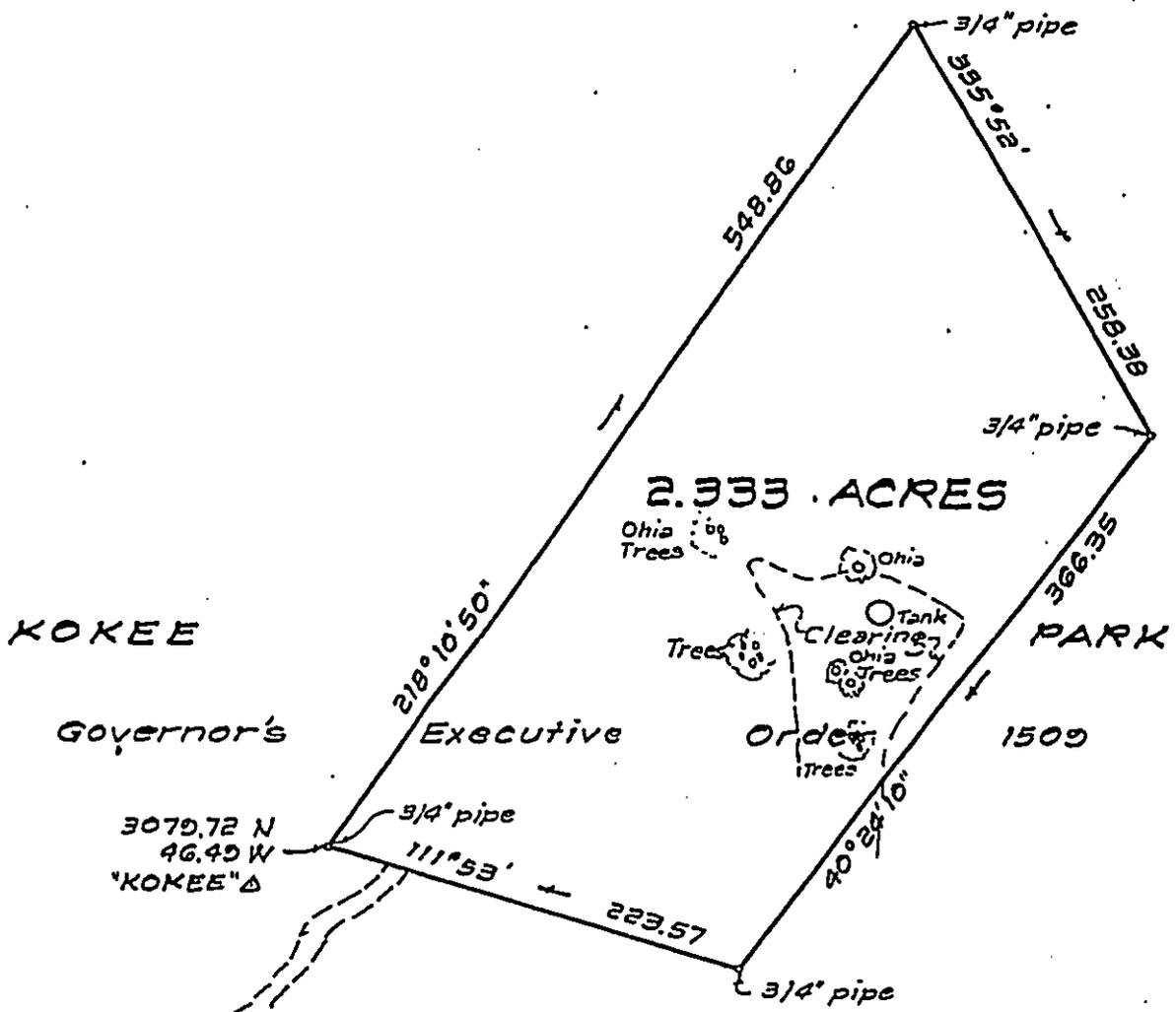
WATER, AND GAS LINES

ID CONTROL DIAGRAM

GENERAL NOTES,
ILLUSTRATIONS
LE PANEL 'A' SCHED.,

PLANS

TRUE NORTH
Scale: 1 inch = 100 Feet



OUTDOOR EDUCATION CAMP

Waimea, Kauai, Hawaii

Scale: 1 inch = 100 feet

JOB
C. BK.

Survey by D. Oyama
May 26, 1958
F.B.No. 2077

TAX MAP 1-4-01

SURVEY DIVISION
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
STATE OF HAWAII

JMM June 5, 1952

CSF. M1