

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
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JEREMY HARRIS
MAYOR



RECEIVED

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

'03 JUN 10 P3:09

(OFC. OF ENVIRONMENTAL
QUALITY CONTROL)

June 5, 2003

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
State of Hawaii
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Dear Ms. Salmonson:

Subject: Final Environmental Assessment (DEA) for
Canoe Halau at Waimanalo Beach Park;
T.M.K.: 4-1-003:016
Waimanalo, Oahu, Hawaii

The City and County of Honolulu Department of Design and Construction has reviewed the draft environmental assessment for the subject project, and anticipates a Finding of No Significant Impact (FONSI) determination. Please publish notice of availability for this project in the June 23, 2002 OEQC Environmental Notice.

We have enclosed a completed OEQC Publication Form, four copies of the draft EA, and the project summary on disk. Please call Mr. Wesley Obata at (808) 523-4783 or Mr. Kimbal Thompson, the project's consultant at (808) 236-1373 if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Eugene C. De".

for Timothy E. Steinberger, P.E.
Director

TES: wo

Enclosures

2003-06-23-DA-PEA

JUN 23 2003

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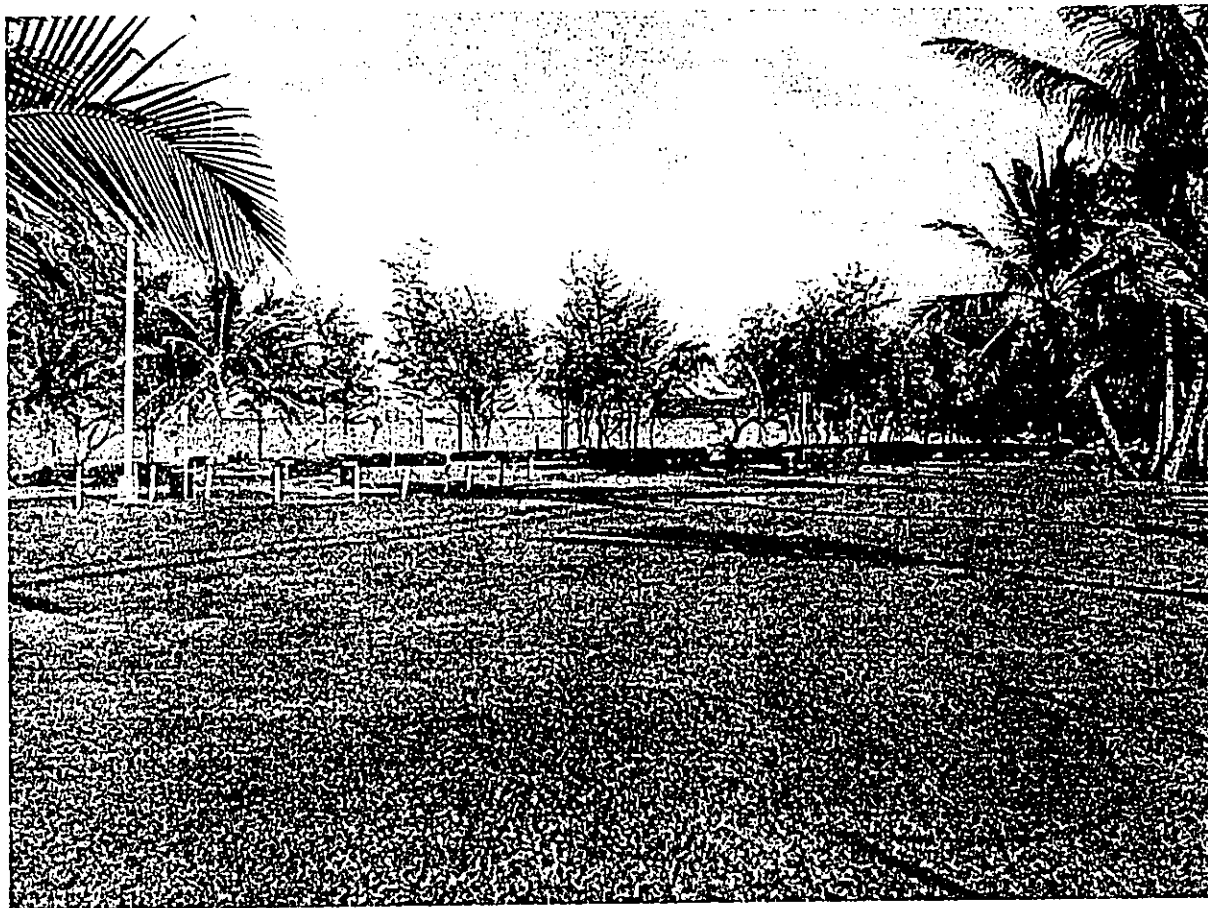
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CANOE HALAU

At

(Waimanalo Beach Park)

FINAL ENVIRONMENTAL ASSESSMENT



CITY AND COUNTY OF HONOLULU

Department of Design and Construction

June 2003

CANOE HALAU
At
Waimanalo Beach Park

FINAL ENVIRONMENTAL ASSESSMENT

Prepared for:

**Department of Design and Construction
City and County of Honolulu**

Prepared by:

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 2003

Table of Contents

1	INTRODUCTION	1
1.1	Project Summary	1
1.2	Proposing Agency and Action	2
1.3	Purpose of the Environmental Assessment	2
1.4	Permits Required	2
2	PROPOSED ACTION	3
2.1	Project Description and Location	3
2.2	Historical Background	3
2.3	Project Purpose and Need	6
2.4	Technical Description	7
2.5	Project Cost, Funding and Schedule	11
3	AFFECTED ENVIRONMENT	12
3.1	Physical Environment	12
3.1.1	Topography	12
3.1.2	Soil Characteristics and Ground Water	14
3.1.3	Coastal Erosion	14
3.1.4	Climate	16
3.1.5	Air Quality	16
3.1.6	Water Quality	17
3.1.7	Natural Hazards	17
3.1.8	Noise	19
3.2	Biological Environment	19
3.2.1	Flora	19
3.2.2	Fauna	19
3.2.3	Marine Wildlife	20
3.3	Socio-Economic Environment	20
3.3.1	Population	20
3.3.2	Surrounding Land Uses	21
3.3.3	Visual and Scenic Resources	23
3.3.4	Recreational Resources	24
3.3.5	Archeological, Historic and Cultural Resources	24
3.4	Traffic and Circulation	25
3.4.1	Existing Parking	27

3.5	Public Utilities and Services.....	29
3.5.1	Water Supply	29
3.5.2	Storm water.....	29
3.5.3	Existing Electrical Service.....	29
3.5.4	Solid Waste Disposal.....	29
3.5.5	Public Health and Safety Devices	29
4	POTENTIAL ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES	31
4.1	Physical Setting	31
4.1.1	Topography.....	31
4.1.2	Soil Characteristics	31
4.1.3	Coastal Erosion	31
4.1.4	Air Quality	31
4.1.5	Water Quality	32
4.1.6	Natural Hazards.....	33
4.1.7	Noise	33
4.2	Biological Environment	34
4.2.1	Flora.....	34
4.2.2	Fauna	34
4.2.3	Marine Wildlife	34
4.3	Socio-Economic Environment	34
4.3.1	Population	34
4.3.2	Surrounding Land Uses	35
4.3.3	Visual and Scenic Resources	35
4.3.4	Recreational Resources	35
4.3.5	Archeological, Historic and Cultural Resources	35
4.4	Traffic and Circulation Impacts	35
4.4.1	Parking Impacts	36
4.5	Public Utilities and Services.....	36
4.5.1	Public Utilities.....	36
4.5.2	Public Services	36
5	CONFORMANCE WITH LAND USE PLANS, POLICIES, AND REGULATIONS.....	37
5.1	State Government	37
5.1.1	Hawaii State Planning Act	37
5.1.2	Classifications of Land Use	37

5.2	City and County of Honolulu.....	38
5.2.1	Oahu General Plan	38
5.2.2	Koolaupoko Sustainable Communities Plan	38
5.2.3	County Zoning	43
5.2.4	Special Management Area	43
6	POSSIBLE ALTERNATIVES	46
6.1	No Action.....	46
6.2	Delayed Action	46
6.3	Alternative Design	46
7	ANTICIPATED DETERMINATION.....	47
8	FINDINGS SUPPORTING THE ANTICIPATED DETERMINATION	48
9	BIBLIOGRAPHY	52
10	AGENCIES, ORGANIZATIONS AND INDIVIDUALS CONSULTED DURING DESIGN AND IN PREPARING THE DRAFT ENVIRONMENTAL ASSESSMENT	53
10.1	Agencies, Organizations and Individuals Consulted in Preparing the Final Environmental Assessment	53
10.2	Agencies and Organizations Contacted during the 30-day Review Period for the DEA	55
10.3	Comments and Responses to the DEA.....	56
	APPENDIX	57
	Historic Preservation review correspondence	
	National Marine Fisheries Service correspondence	
	Waimanalo Neighborhood Board correspondence	

List of Figures

1.	TMK Map.....	4
2.	Location Map	5
3.	Site Plan	8
4.	Floor Plan, Elevations, Section	9
5.	Details	10
6.	Soils Map	15
7.	Rainfall in Waimanalo	16
8.	Flood Map	18
9.	Sustainable Communities: Open Space Map	39
10.	Sustainable Communities: Land Use Key	40
11.	Sustainable Communities: Waimanalo	41
12.	Sustainable Communities: Public Facilities	42
13.	County Zoning Map	44
14.	SMA Map.....	45

List of Tables

1.	Population in Waimanalo, the Koolauoko District, and Oahu, 1990-2000.....	21
2.	Population by Age Group in Waimanalo, the Koolauoko District, and Oahu, 2000.....	21
3.	Kalaniana'ole Highway Traffic Counts	26

1. INTRODUCTION

1.1 PROJECT SUMMARY

Project Name	Canoe Halau at Waimanalo Beach Park
Proposing Agency	Department of Design and Construction City and County of Honolulu 850 S. King Street, 11 th Floor Honolulu, HI 96813 (808) 527-6246
Landowner	State of Hawaii E. O. to City and County of Honolulu
Address	41-741 Kalaniana'ole Highway Waimanalo, Hawaii 96795
Tax Map Key	4-1-003:016
Project Area	1,470,803 Sq. ft.
Existing Use	Public Beach Park with Comfort Station and Camp Site
Proposed Project	New Canoe Halau for Waimanalo Canoe Club
State Land Use	Urban District
Zoning Designation	P-2 General Preservation
Flood Zone	FIRM Zone X
Special Management Area (SMA)	The subject property is located within the SMA
Shoreline Setback	The proposed improvements are NOT located within the 40' Shoreline Setback
Action Requested	Compliance with Chapter 343, Hawaii Revised Statutes
Approving Agency	Department of Design and Construction
Basis for Environmental Assessment	Special Management Area
Anticipated Determination	Finding Of No Significant Impact (FONSI)

1.2 PROPOSING AGENCY AND ACTION

The Department of Design and Construction (DDC), City & County of Honolulu proposes to construct a new canoe halau at Waimanalo Beach Park. This environmental assessment covers all improvements that are sited within the boundaries of the existing beach park.

The proposed new canoe halau for Waimanalo Beach Park was developed through the community vision process sponsored by the City and County of Honolulu. The vision process enables community residents to prioritize capital improvements projects and to allocate funds in a way that would address important neighborhood needs.

1.3 PURPOSE OF THE ENVIRONMENTAL ASSESSMENT

The proposed project involves the use of public funds, is located in a Special Management Area and is therefore subject to the environmental review process under Chapter 343, Hawaii Revised Statutes (HRS), Act 241, Session Laws of Hawaii (SLH) 1992, and Chapter 200 of Title 11, Department of Health Administrative rules, "Environmental Impact Statement Rules." This Environmental Assessment (EA) has been prepared in accordance with Chapter 343HRS to address potential impacts that may be caused by construction or subsequent operation of the canoe halau at the beach park.

1.4 PERMITS REQUIRED

The following permits and approvals are required for the Canoe Halau at Waimanalo Beach Park project:

ADA Accessibility	State of Hawaii, Disability and Communication Access Board
Approval of Design	City and County of Honolulu, Department of Design and Construction
Building Permit	City and County of Honolulu Department of Planning and Permitting
Special Management Area Use Permit (SMP)	City and County of Honolulu, Department of Planning and Permitting

2. PROPOSED ACTION

2.1 PROJECT DESCRIPTION AND LOCATION

The proposed canoe halau is planned for Waimanalo Beach Park at the site of the former caretakers cottage adjacent to the camp facilities and across from the existing small parking lot and comfort station. The beach park is located at 41-741 Kalaniana'ole Highway in Waimanalo, Oahu, Hawaii. The park area is 1,470,803 square feet and is identified as Tax Map Key (TMK) 4-1-003:016. (See Figure 1)

Waimanalo town is located on the eastern shore of Oahu, about seven miles from Kailua town and sixteen miles from downtown Honolulu.

Figure 2 shows the beach park location and its immediate geographic context. The project is located on the makai side and along Kalaniana'ole Highway. Motorist arrives to the beach park directly off Kalaniana'ole Highway. A residential area is located across the park along the mauka side of the highway.

2.2 HISTORICAL BACKGROUND

The existing camp facilities (including comfort station and parking lot) were built in 1968. At that time the former caretakers cottage was re-located from the parking lot area to the location adjacent to the campgrounds.

CANOE HALAU AT WAIMANALO BEACH PARK
 Final Environmental Assessment

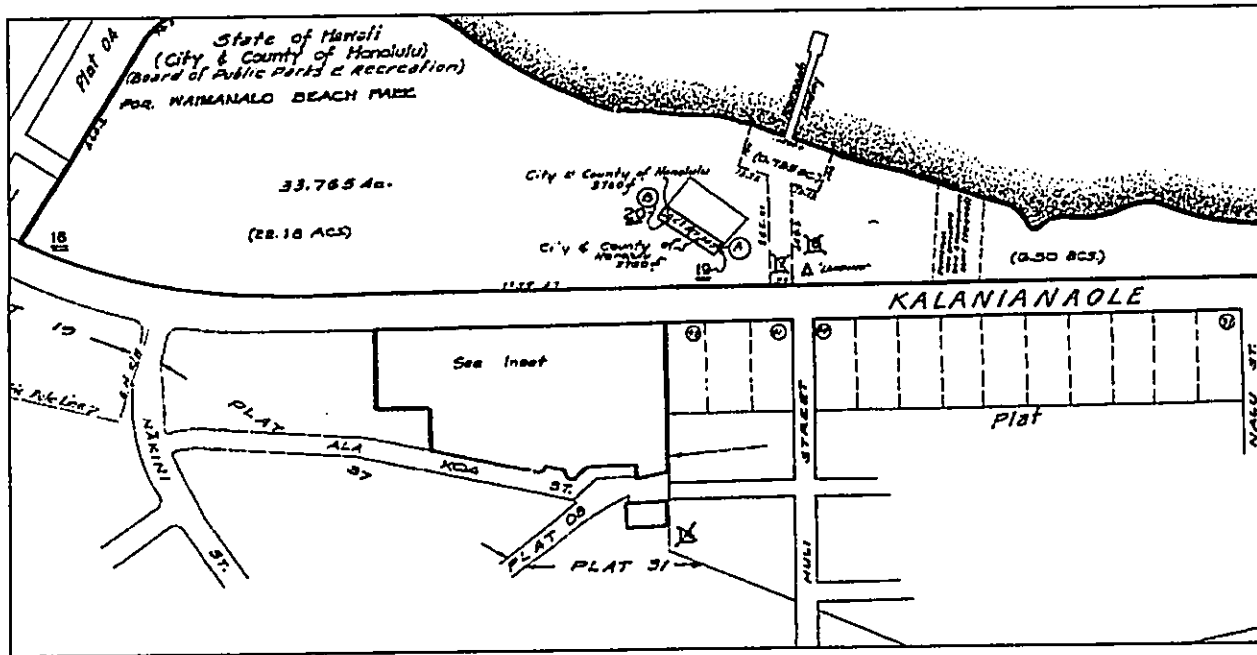
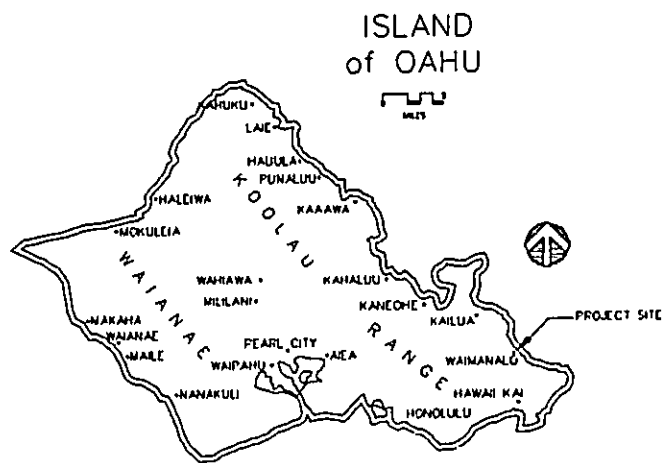
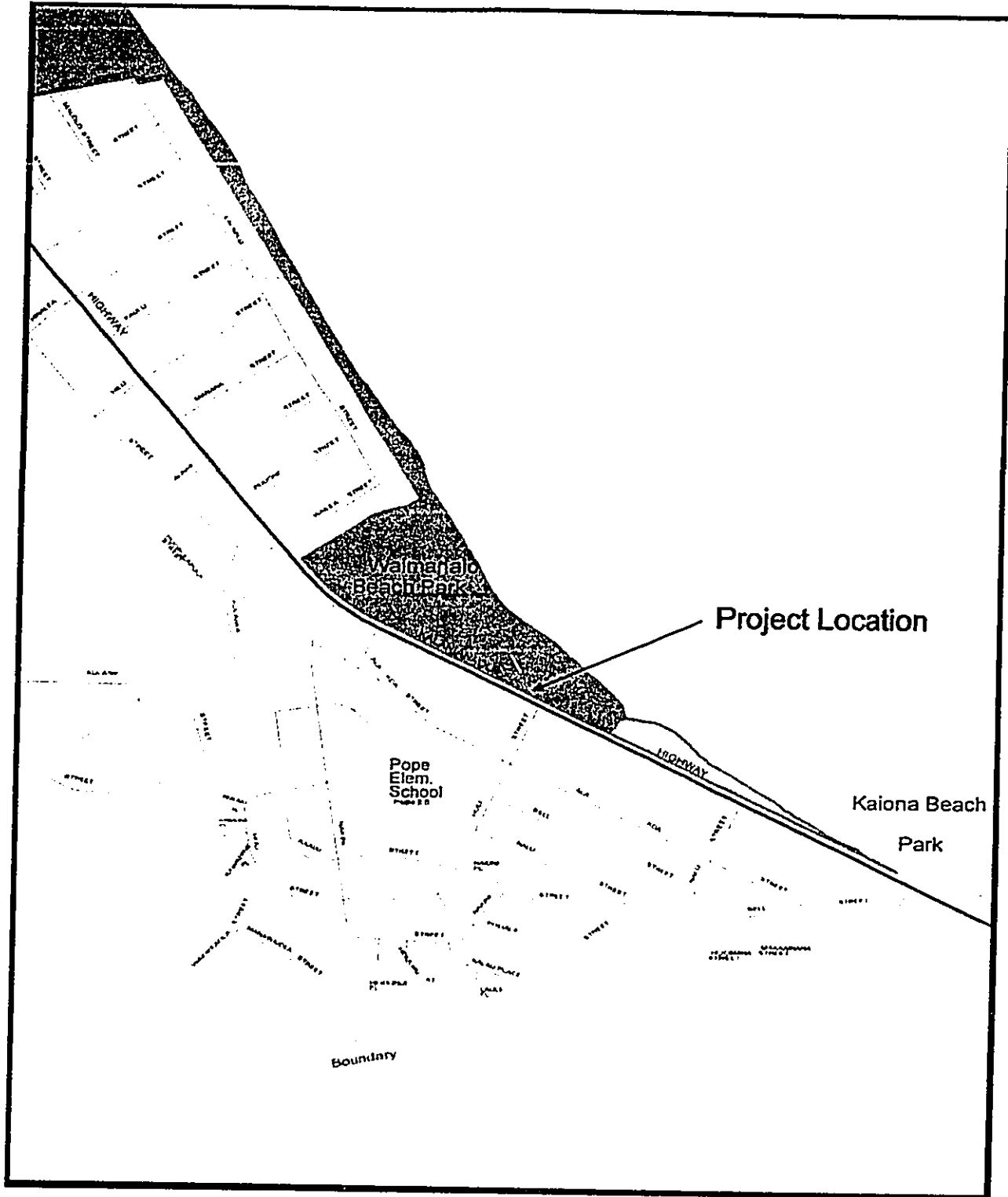


FIGURE 1
 TMK MAP (4-1-003:016)



CANOE HALAU AT WAIMANALO BEACH PARK
Final Environmental Assessment





Scale: 1" = 1000'

FIGURE 2
LOCATION MAP

2.3 PROJECT PURPOSE AND NEED

Waimanalo Beach Park is an important component of social life in the Koolaupoko community. The beach park is heavily used by campers during the weekends throughout the year and by visitors during the weekdays.

The proposed project would provide a permanent and secured storage facility for canoes, kayaks and related equipment. It would be used by the local canoe paddling community that includes among others, Waimanalo Canoe Club, the members of the Waimanalo Canoe Club, their ohana and the Waimanalo Beach Park neighborhood. The proposed facility would support Hawaiian outrigger canoeing which is a growing recreational sport, as well as a vehicle for personal growth, character development, education, and awareness of Hawaiian cultural values. The proposed canoe halau would be a tremendous benefit for the canoeing community and other recreational users.

The City and County of Honolulu Department of Parks and Recreation (DPR) has adopted rules and regulations regarding the construction and operation of canoe shelters on City park properties. According to these rules and regulations, canoe clubs using the proposed facility must have membership that is open to the general public. Furthermore, canoe associations using the proposed canoe halau would be required to furnish DPR, Parks Permit Section with a listing of canoe storage space assignments.

Waimanalo Beach Park is one of eleven beach parks located in the Koolaulpoko area. The 37.6-acre park is among the larger parks such as Waiahole Beach Park (110.00 acres), Waimanalo Bay Beach Park (74.8 acres) and Makapuu Beach Park (46.9 acres).¹ The limited number of beach parks along Kalaniana'ole Highway on this side of the island where it is feasible to construct a canoe halau has created a high demand on the existing parks.

¹ City and County of Honolulu, Department of Planning and Permitting. *Koolaupoko Sustainable Communities Plan* - August 2000

2.4 TECHNICAL DESCRIPTION

Canoe Halau Description

The new canoe halau will provide a permanent and secured storage facility for canoes, kayaks and related equipment. The design of the proposed canoe halau will be appropriate from both a cultural and contextual standpoint with historic reference made to assimilate the design of traditional style halau wa a. This design was derived from information included in publication "Kaiona Beach Park Canoe Halau – A Cultural Stewardship Opportunity for the Waimanalo Community" prepared by the Waimanalo Canoe Club, Summer 1999. The sides of the facility will be kept as open as possible so that air circulation is achieved. The facility will feature a steeply sloped roof structure resting on 10 ohia posts (5 on each side) parallel to Kalaniana'ole Highway, with provision for metal security grille panels, and operable garage doors; and moss rock walls. The exterior of the building will be lighted.

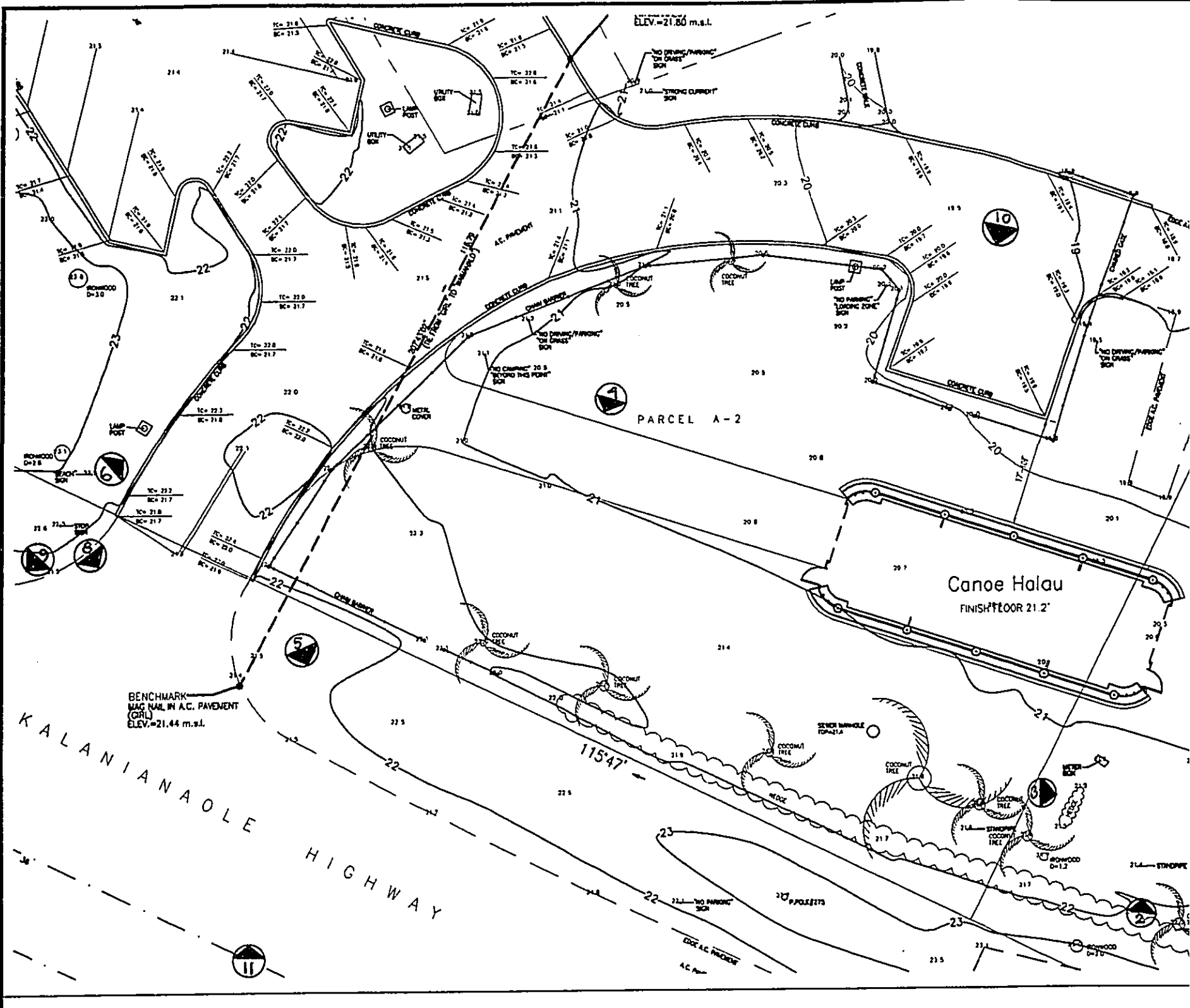
The building will be sited at a relatively flat grassy area and only minor finish grading will be required. The immediate site will require excavation of the 27' x 60' canoe halau 24" backfilled with select borrow (crusher run waste, mud-rock, coral, sand or cinders free of organic matter). Any over-excavation beyond the footprint can be back-filled with the native sand or other suitable backfill material. There will be 790 square yards of clearing and grubbing. Grading (excavation + embankment) = 435 + 70 = 505 cubic yards.

The proposed facility will be sited in a manner that maximizes ventilation and allows air flow-through circulation from both the ocean and trailer loading directions (see Figure 3, 4 and 5).

Components:

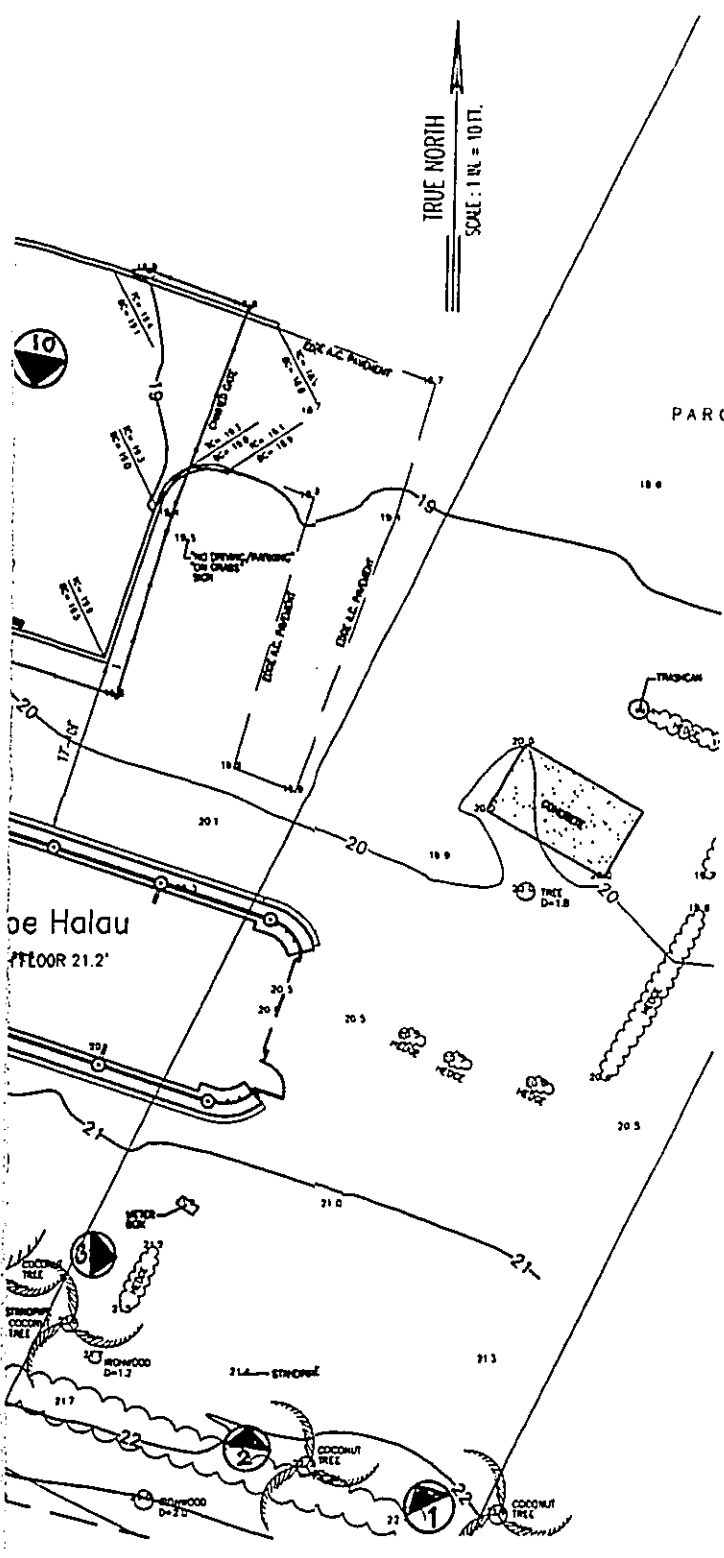
The proposed facility will measure approximately 24 feet by 60 feet and 24 feet high. Components of the canoe halau will include:

- Interior storage racks that can accommodate 6 six-man canoes (40-44 feet in length) and trailer storage for additional six-man canoe, smaller canoes and kayaks.
- Provision for secured storage for equipment (e.g., paddles, canoe covers) and additional storage in attic loft.
- Provision for water hose bib off of building exterior for hosing off canoes.
- The existing outdoor shower adjacent to the existing comfort station will be retained. No additional showers or restroom facilities will be provided in this portion of the park.
- AC pavement driveway to access canoes onto the site is to be used for halau access and trailer loading.



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SITE PLAN SCALE: 1"=10' 1

- SITE PLAN NOTES:**
- REFER TO CIVIL DRAWINGS FOR WATER UTILITIES.
 - REFER TO ELECTRICAL FOR ELECTRICAL UTILITIES.
 - THIS SURVEY IS BASED ON INFORMATION PROVIDED BY THE SURVEYING COMPANY. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE OFFICER IN CHARGE IMMEDIATELY.
 - REFER TO GEOTECHNICAL REPORT FOR WAIMANALO AT WAIMANALO BEACH PARK DATED NOVEMBER 12, 2002 BY WEDIG GEOTECHNICALS (PROJECT NO: 02-0027.001).

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GENERAL NOTES

- ALL WORK CONFORM TO THE FOLLOWING GOVERNING CODES AND COVENANTS:
 - C & C OF HONOLULU LAND USE ORDINANCES
 - C & C OF HONOLULU BUILDING CODE 1997 EDITION UBC AS AMENDED
 - C & C OF HONOLULU PLUMBING CODE 1997 EDITION UPC AS AMENDED
 - C & C OF HONOLULU ELECTRICAL CODE 1999 EDITION NEC AS AMENDED
- CONTRACTOR SHALL CAREFULLY STUDY ALL OF THE CONTRACT DOCUMENTS AND SHALL VERIFY ALL EXISTING SITE CONDITIONS WITH CONSTRUCTION DOCUMENTS PRIOR TO PROCEEDING WITH ANY PORTION OF THE WORK AND TO NOTIFY THE C.O. OF ANY VARIANCES.
- CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- ANY CONDITIONS, MATERIALS, DEVICES OR DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE CLARIFIED WITH THE O.I.C. BEFORE CONSTRUCTION INSTALLATION OR APPLICATION. GENERAL SUBCONTRACTORS SHALL COMPLY WITH ALL GOVERNING CODES, BUILDING REGULATIONS OF FEDERAL, STATE, CITY AND COUNTY, WHICHEVER GOVERNS THE CONSTRUCTION WORK.
- GENERAL SUBCONTRACTORS SHALL PROTECT ADJOINING LAND, BUILDING, AND OTHER IMPROVEMENTS SITUATED.
- GENERAL AND/OR SUBS SHALL PAY FOR ALL PERMITS AND FEES AND ARRANGE FOR INSPECTION BY AUTHORITIES. HE SHALL MAKE ARRANGEMENTS AND PAY FOR WORK TO BE DONE BY UTILITY COMPANIES PERTAINING TO THIS WORK.
- PROVIDE ALL CAULKING AND WATERPROOFING NECESSARY TO OBTAIN COMPLETE WEATHERPROOFING AND WEATHERTIGHT CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE ALL UTILITY INSTALLATIONS WITH THE APPROPRIATE AGENCIES INCLUDING WATER: BOARD OF WATER SUPPLY; GAS: GAS COMPANY; ELECTRICAL: HAWAIIAN ELECTRIC; TELEPHONE: VERIZON TELEPHONE AND CABLE TELEVISION: OCEANIC CABLE; AS MAY BE APPLICABLE

TOPOGRAPHIC SURVEY
WAIMANALO CANOE HALAU SITE
PORTION WAIMANALO BEACH PARK
AT WAIMANALO, KOOLAUPOKO, OAHU, HAWAII

NOVEMBER 20, 2002 WALTER P. THOMPSON, INC.

FIGURE 3

NO.	DATE	DESCRIPTION	BY	APPROVED

THIS WORK WAS PREPARED BY ME UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

ARTHUR THOMPSON & ASSOCIATES, INC.
LICENSED PROFESSIONAL SURVEYOR
NO. 4454

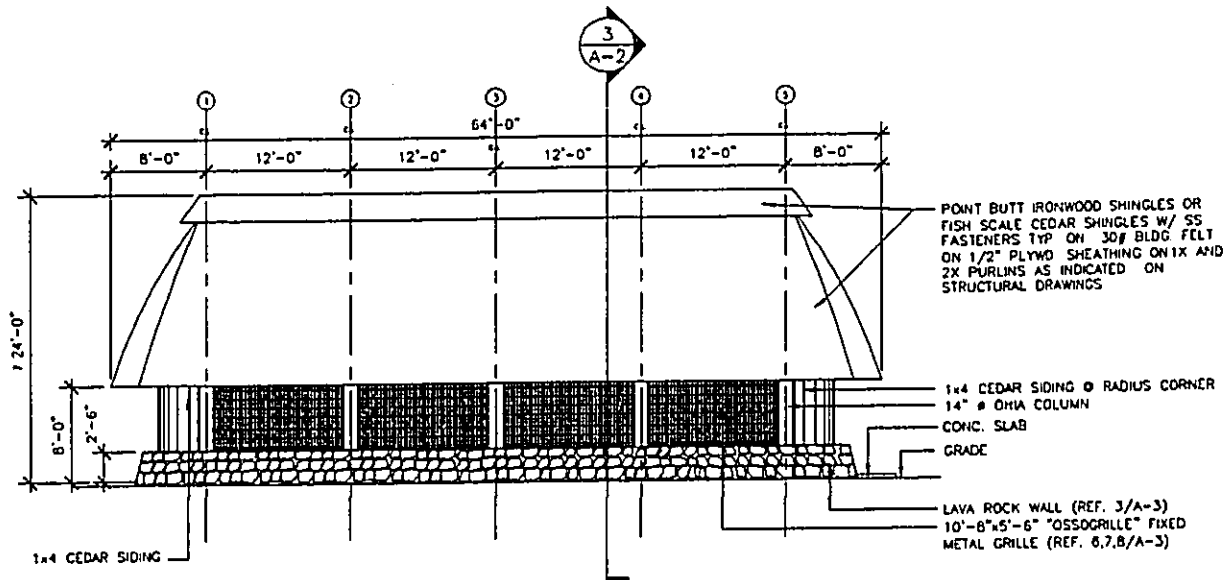
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DRAWN BY:	AKT
CHECKED BY:	CB
DATE:	NOV. 29, 2002
APPROVED:	
DATE:	

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

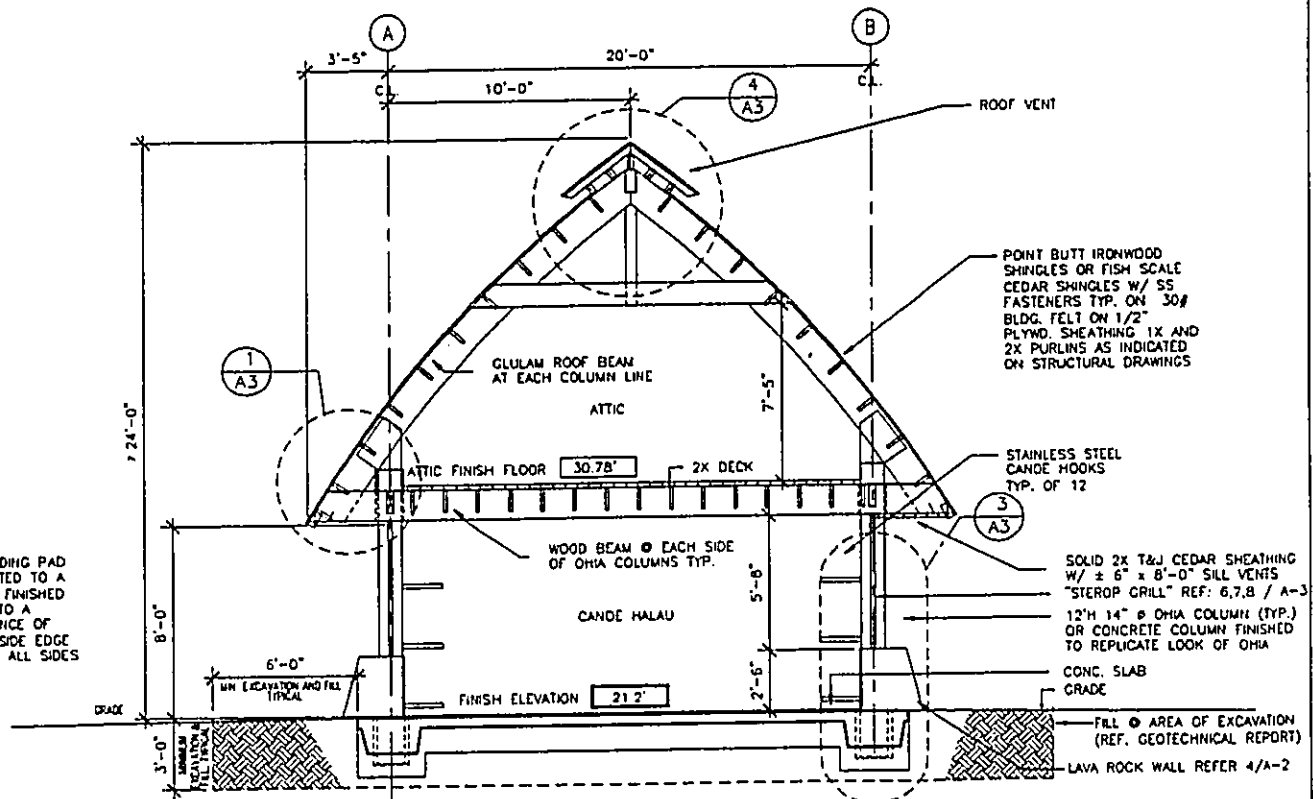
CANOE HALAU
AT
WAIMANALO BEACH PARK

SITE PLAN, GENERAL NOTES

JOB NO.	02-P-62
DRAWING NO.	A-1
SHEET NO.	7 OF 14
FILE NO.	109/50



SOUTH ELEVATION (NORTH ELEV. SIMILAR) SCALE 1/8"=1'-0" 4

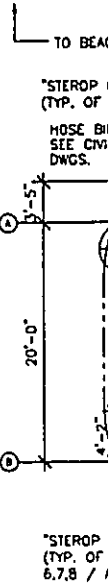


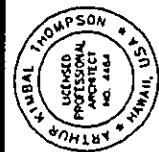
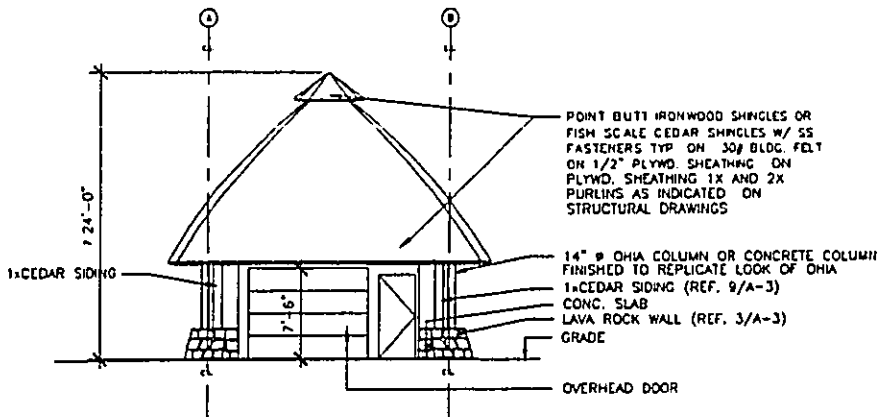
NOTE:
THE ENTIRE HALAU BUILDING PAD AREA IS TO BE EXCAVATED TO A DEPTH OF 3'-0" BELOW FINISHED FLOOR ELEVATION AND TO A MINIMUM LATERAL DISTANCE OF 6'-0" BEYOND THE OUTSIDE EDGE OF THE FOUNDATION ON ALL SIDES

SECTION SCALE 3/16"=1'-0" 3

GENERAL NOTES:

ALL WOOD TO BE TREATED





THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

ELEV. 4

EAST ELEVATION (WEST ELEV. SIMILAR)

SCALE: 1/8"=1'-0" 2

GENERAL NOTES:

ALL WOOD TO BE TREATED AND STAINED

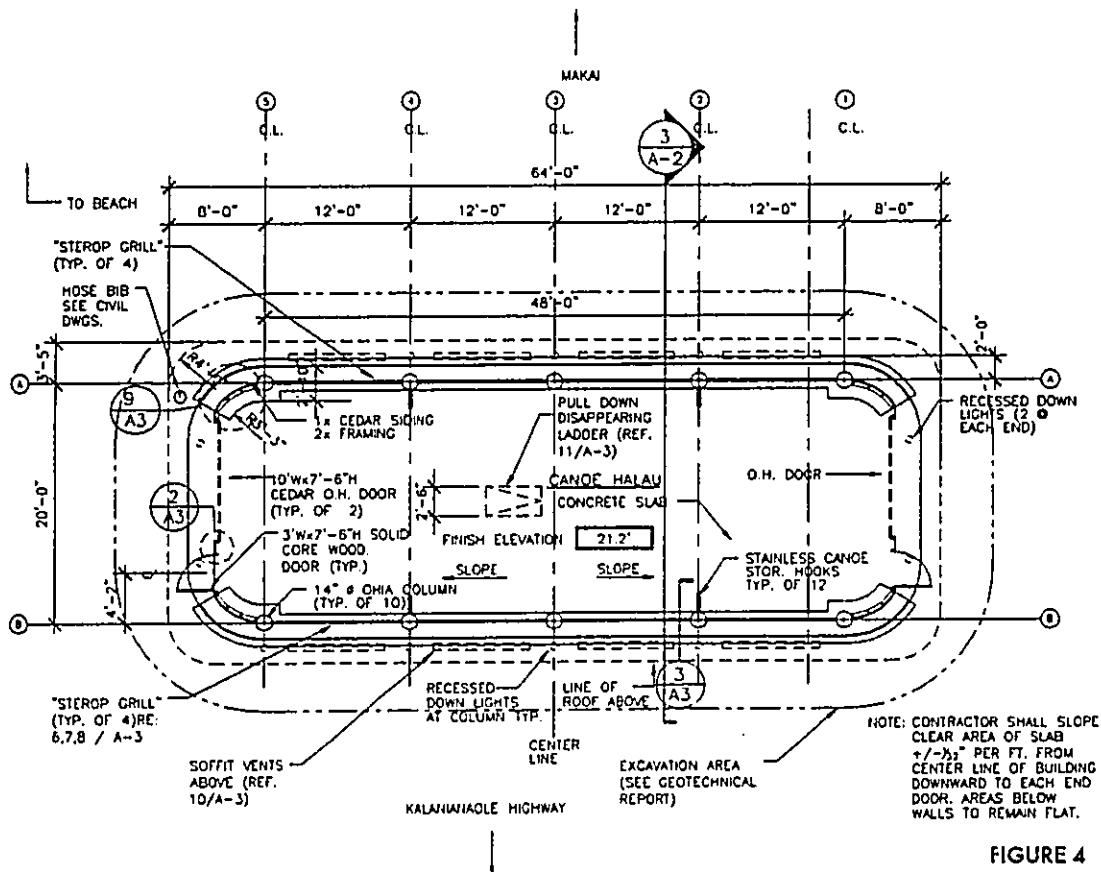


FIGURE 4

FLOOR PLAN SCALE: 1/8"=1'-0" 1

WEATHERING DETAILS
REF. 8 / A-3
FINISHED OHIA
EXCAVATION REPORT
REF. 4/A-2

ELEV. 3

DESIGNED BY:	AKT
REVISED BY:	AKT
DRAWN BY:	CB
DATE:	NOV. 29, 2002
APPROVED:	

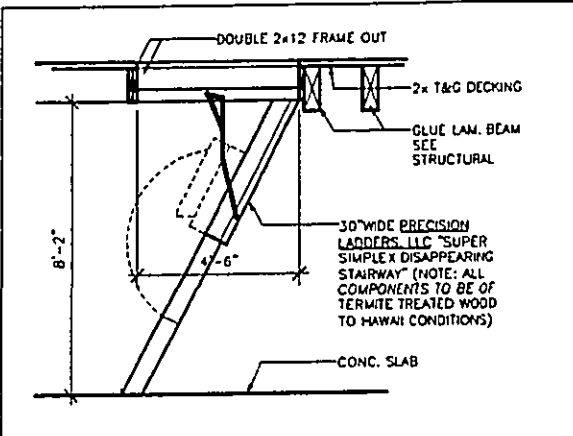
DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU
CANOE HALAU
AT
WAIMANALO BEACH PARK
FLOOR PLAN, ELEVATIONS, SECTION

JOB NO. 02-P-62

DRAWING NO. A-2

SHEET NO.	FILE NO.
8 OF 14	109/50

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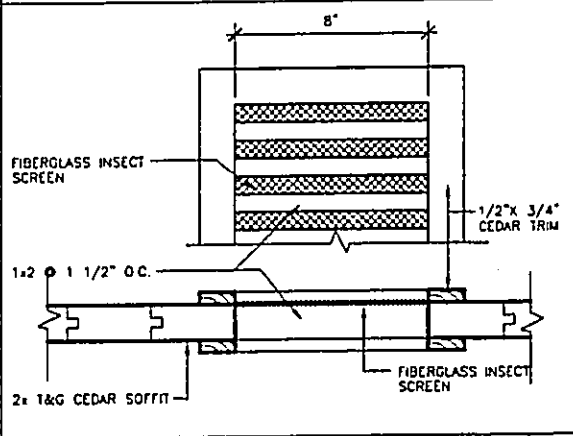


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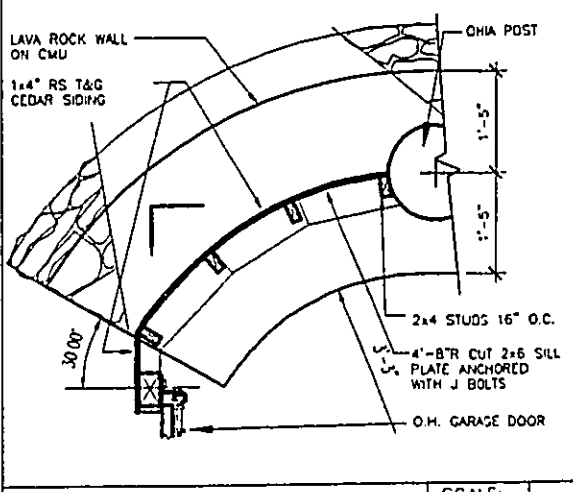
"STEROPE" GRILLE
 SECURITY FASTENERS
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DISAPPEARING LADDER DETAIL SCALE: 3/8" = 1'-0" 11



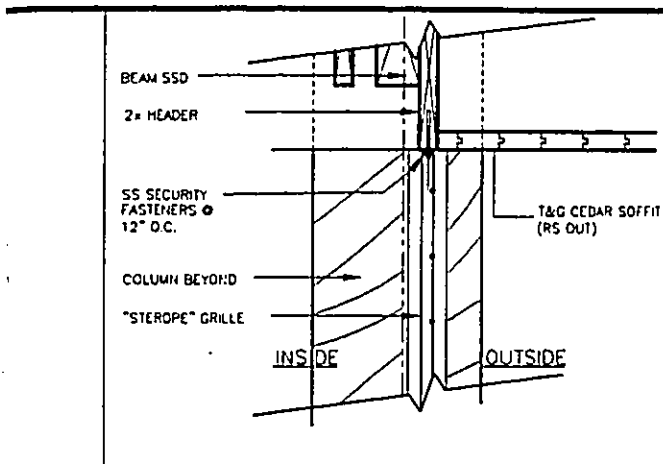
"STEROPE" GRILLE
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 LAVA ROCK WALL RE 3/4"

SOFFIT VENT DETAIL SCALE: 3" = 1'-0" 10

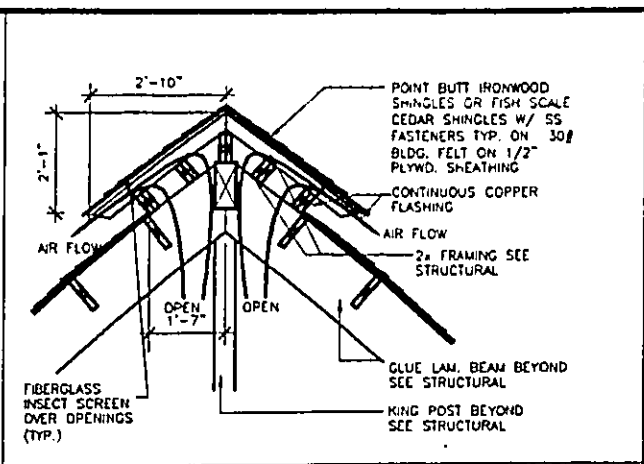


POINT BUTT IRONWOOD SHINGLES OR ROUND END CEDAR SHINGLE W/ SS FASTENERS @ 30# BLDG. FELT ON 1/2" PLYWD. SHEATHING
 CONTINUOUS COPPER

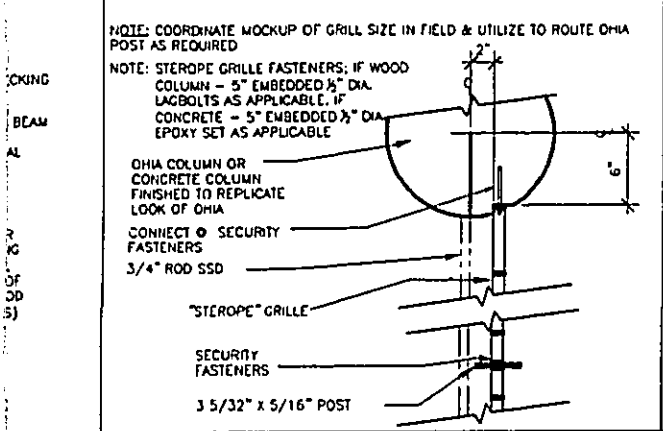
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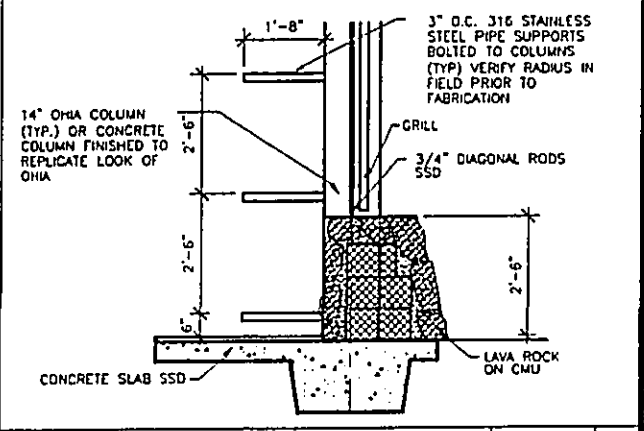
GRILL HEAD DETAIL SCALE: 1 1/2" = 1'-0" 8



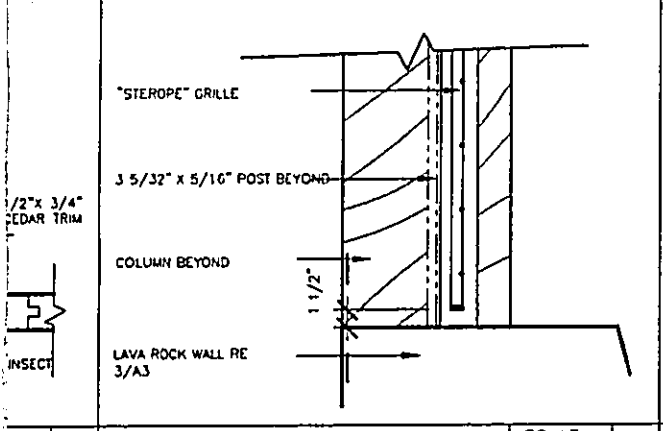
RIDGE VENT DETAIL SCALE: 1 1/2" = 1'-0" 4



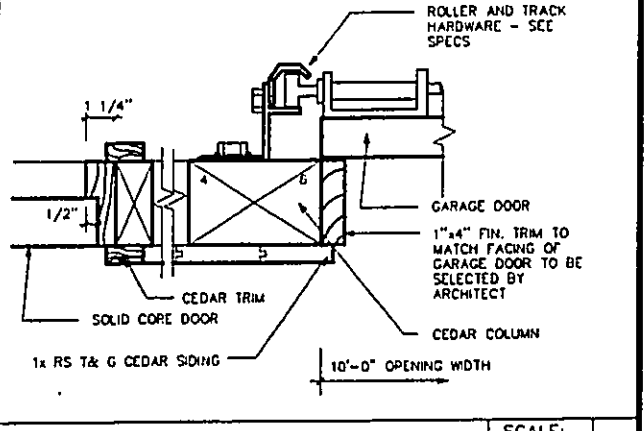
GRILL JAMB DETAIL SCALE: 1 1/2" = 1'-0" 7



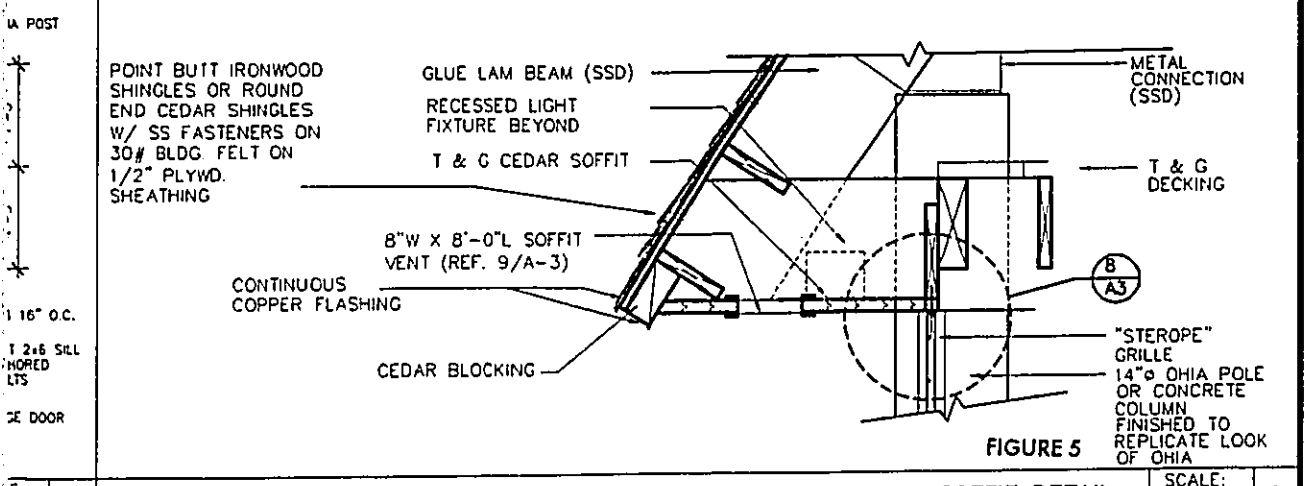
CANOE HOOK AND ROCK WALL DETAIL SCALE: 1 1/2" = 1'-0" 3



GRILL SILL DETAIL SCALE: 1 1/2" = 1'-0" 6



GARAGE DOOR AND ENTRY DOOR JAMB SCALE: 3" = 1'-0" 2



SOFFIT DETAIL SCALE: 1" = 1'-0" 1

THIS WORK WAS PREPARED BY SUPERVISION OF THE CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

DESIGNED BY: AKT	
DRAWN BY: CB	
CHECKED BY: NOV. 29, 2002	
APPROVED: [Signature]	

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU
CANOE HALAU
AT
WAIMANALO BEACH PARK
DETAILS

JOB NO	02-P-62
DRAWING NO.	A-3
SHEET NO.	9 of 14
FILE NO.	109/50

FIGURE 5

Design Features:

The City and County of Honolulu architectural consultant AKTA Ltd. Canoe Halau at Waimanalo Beach Park Drawings (dated November 29, 2002), as previously described and illustrated herein will be used. This design concept was developed by AKTA Ltd. in cooperation with the Waimanalo Canoe Club and the City and County of Honolulu, Department of Design and Construction.

Parking

The existing asphalt concrete parking lot will be used to accommodate visitors to the proposed canoe halau. No new parking is planned for this part of the park.

Landscaping

The existing beach park includes grassed areas with coconut palm trees that will remain. Two coconut palms will be relocated on either side of the new ac driveway. After completion of construction the area will be re-grassed with Seashore Paspalum and temporarily irrigated. No new irrigation system will be installed.

Accessibility

All facilities will be designed to meet the requirements of the American with Disabilities Act and the requirements of the Americans with Disabilities Act and the requirements of § 103-50.

2.5 PROJECT COST, FUNDING AND SCHEDULE

As mentioned earlier, the proposed project is a product of the City's Vision Program and CIP funding. A total of \$ 575,000 for planning, design, and construction of the canoe halau and site improvements was included in the City fiscal year 2002 and 2003 budgets.

Advertisement of bids was scheduled for December 2, 2002 and award of contract is scheduled for January 2003. Construction is expected to begin in mid 2003 and be completed within six to nine months. The proposed canoe halau will be constructed by a private contractor and overall management of the facility will be provided by the City & County of Honolulu Department of Parks and Recreation (DPR).

The proposed canoe halau and other site improvements at Waimanalo Beach Park are considered public uses. Waimanalo Beach Park is publicly owned, and operated and maintained by the City & County of Honolulu Department of Parks and Recreation.

3. AFFECTED ENVIRONMENT

3.1 PHYSICAL ENVIRONMENT

3.1.1 TOPOGRAPHY

The project site is fairly level and located at an elevation ranging between 19.9 feet and 22.2 feet above mean sea level (MSL).² The parcel is grassed and the majority of the site drains towards the ocean.

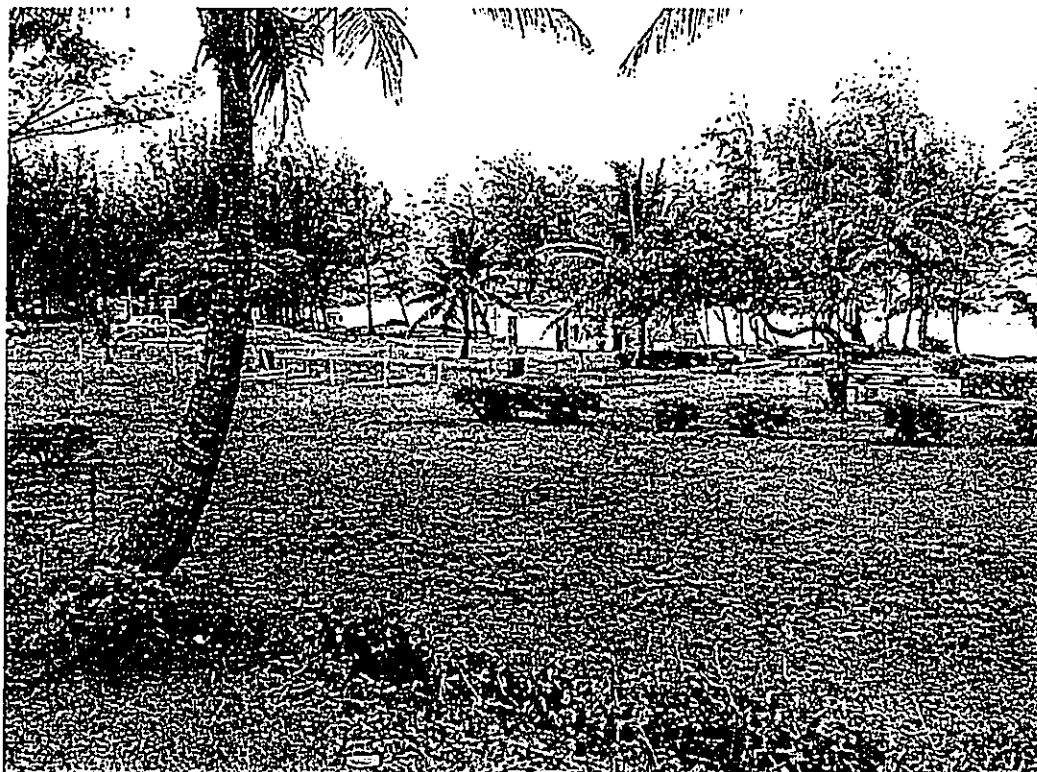


Photo 1: View looking North (find photo key on site plan - Figure 3.)

The existing parking lot is located at about 21.3 feet above MSL. The elevation of Kalaniana'ole Highway is approximately 21.9 feet above MSL.

The campground consists of 23 camp sites (50' x 50' square) at an elevation ranging from 21.4 feet along Kalaniana'ole Highway to 14.0 feet by the beach.

² Walter P. Thompson, Inc. November 20, 2002 Site Survey

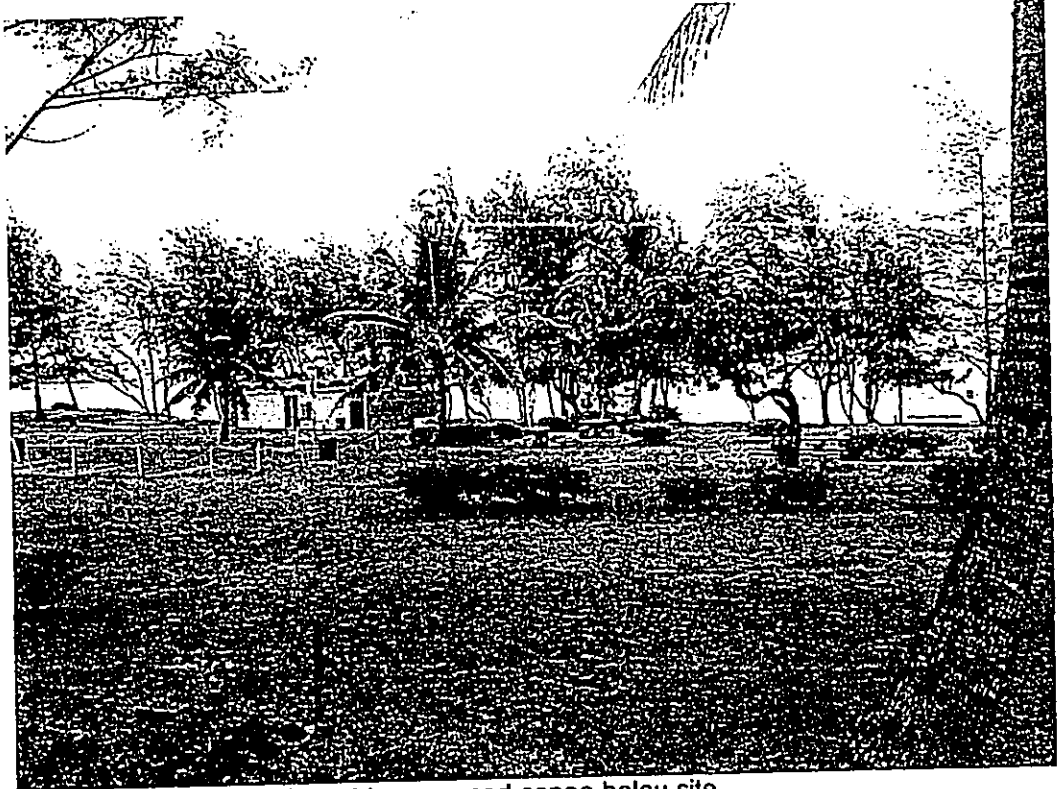


Photo 2: Campsite adjacent to proposed canoe halau site.



Photo 3: View of campsite looking southeast from proposed canoe halau site.

3.1.2 SOIL CHARACTERISTICS AND GROUND WATER

Soils

According to Weidig Geoanalysts the following geologic and soil conditions occur at the beach park. "The shoreline along the park is indicated to be underlain by beach sand composed mainly of coral and seashells. The beach sands are extremely erodable and shift constantly under tidal and wind action. The remainder of the park is underlain by a soil horizon composed of coralline sands assigned to the Jaucas series. These soils have a low expansion potential as well as a low corrosion potential with respect to uncoated steel and concrete. On relatively flat ground, such as typical of the subject building site, the erosion hazard due to water is considered slight, but susceptibility to wind erosion is considered severe where vegetation has been removed (Foote *et al.*, 1972)."³

Waimanalo Beach Park consists entirely of Jaucus Sand (JaC) (see Figure 6).

Jaucas sand (JaC), 0-15 percent slopes (in most places slope does not exceed seven percent). Permeability is rapid, and runoff is very slow to slow. Water erosion hazard is minor, however, wind erosion hazard is severe were vegetation is removed.⁴

Ground Water

According to Weidig Geoanalysts, "stabilized ground water levels were measured at near elevation + 1 foot" and "the ground water table is likely created by fresh water flowing oceanward above a wedge of heavier, saline water intruding beneath it. Ground water levels are expected to fluctuate slightly with major tidal changes, but more markedly seasonal rainfall."

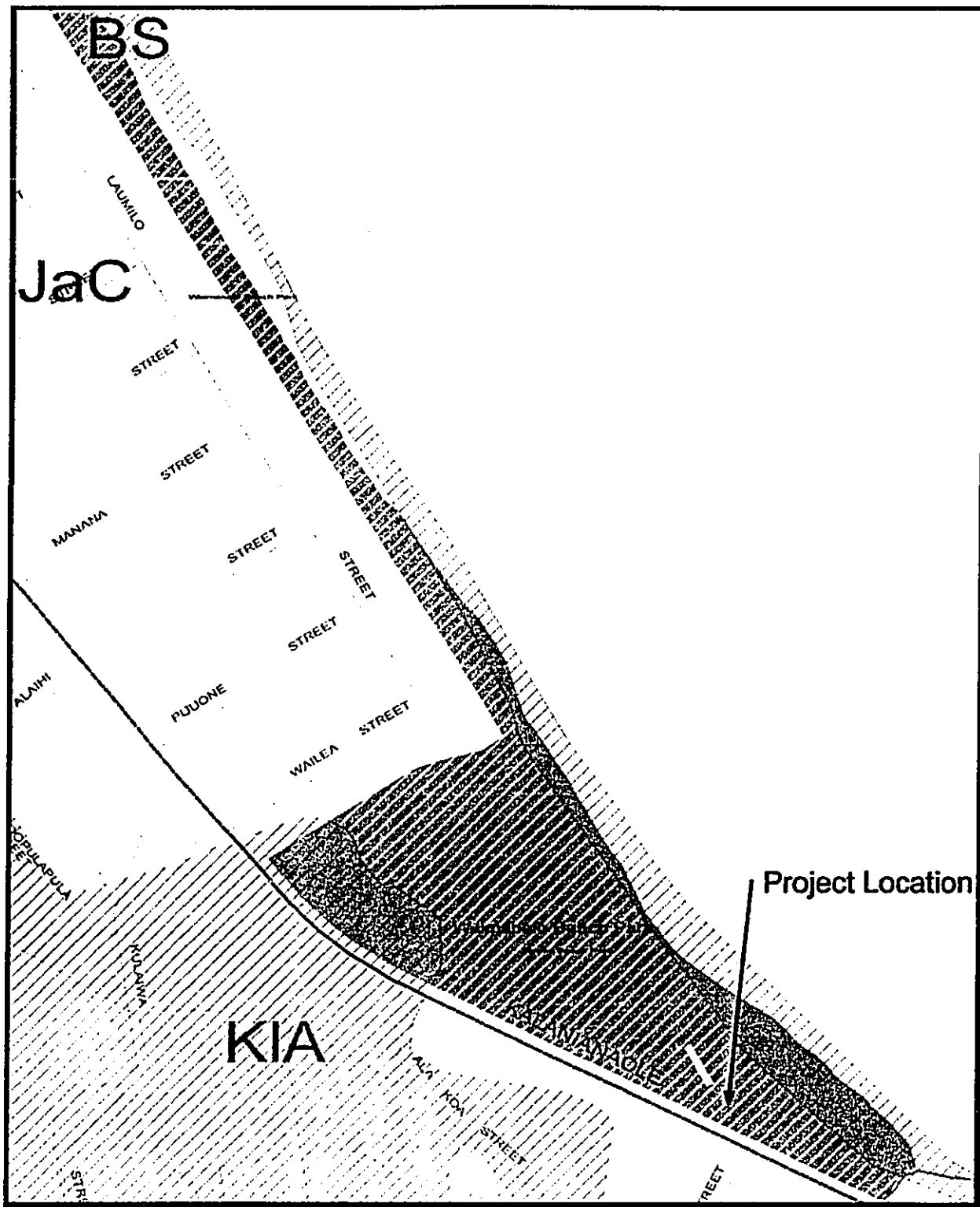
3.1.3 COASTAL EROSION

Coastal erosion is a dynamic process affected by many factors including waves, currents, tides, storms, reef growth, stream erosion, wind, human activities, sea level changes, and coastal structures. These factors serve to shift the position of a natural beach over daily, seasonal, multi-year, and geological time scales. The beach is protected from open ocean waves by a shallow back reef lagoon with a coral reef front. The location of the canoe halau does not impact coastal erosion.

³ Weidig Geoanalysts, Soil and Geologic Conditions, Waimanalo Beach Park Canoe Halau. November 12, 2002.

⁴ U.S. Department of Agriculture, Soil Conservation Service, 1972. Soil Survey of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii.

CANOE HALAU AT WAIMANALO BEACH PARK
Final Environmental Assessment




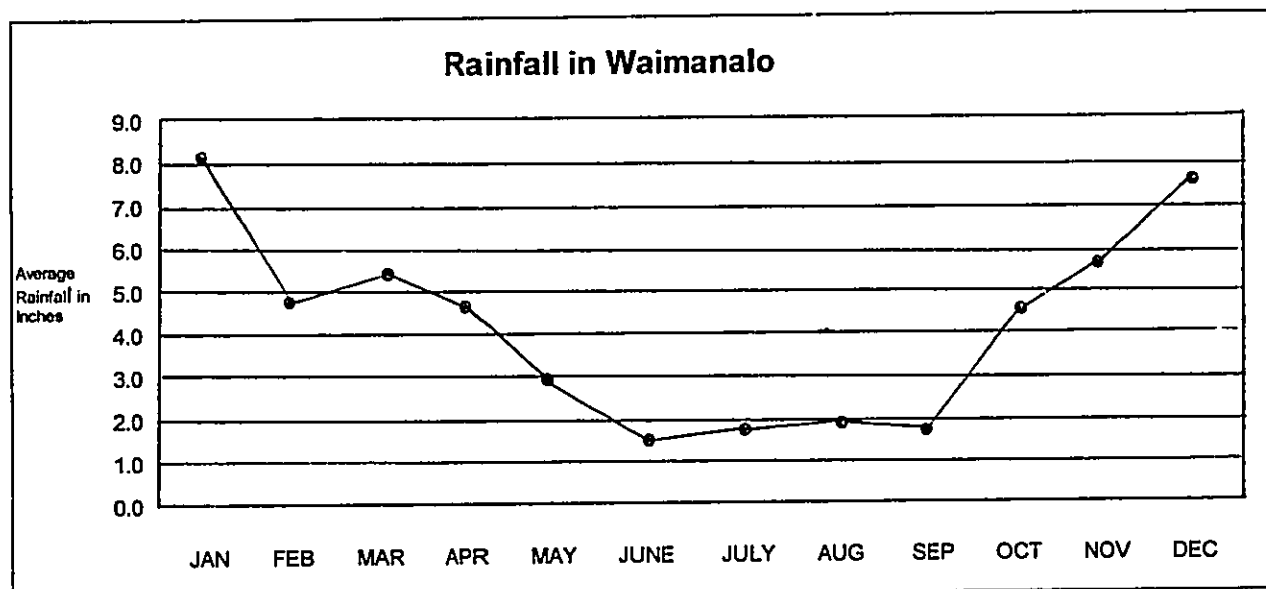

Scale: 1" = 600'

FIGURE 6
SOILS MAP

3.1.4 CLIMATE

The Waimanalo climate includes mild and equable temperatures year round (subtropical), moderate humidity and little variation in temperature between day and night. Prevailing winds are northeasterly trade winds that blow directly on-shore off the ocean. Tradewinds occur 70 percent of the time, with a frequency range of from approximately 45 percent in January to about 90 percent in July. In the summer, between about May and October, when the sun is more directly overhead, the weather is warmer and drier and the trade winds most persistent. In winter, between about October and April, the sun is in the south, the weather is cooler and the trade winds more often interrupted by other winds and by intervals of widespread clouds and rain. Monthly average temperatures range from 70 degrees Fahrenheit in January to 78 degrees Fahrenheit in August. Average annual rainfall in Kaaawa varies with elevation less rainfall at sea level and more at the Koolau Mountain Range. The wet season extends from the beginning of November through April. (See Figure 7)⁵

FIGURE 7



Source: National Weather Service, Honolulu Forecast Office

3.1.5 AIR QUALITY

Air quality in the area is mostly affected by air pollutants from vehicular sources. The project is located along Kalaniana'ole Highway, a major roadway which links Waimanalo with Kailua Kaneohe, Honolulu and East Honolulu and presently carries a high level of vehicular traffic, particularly during the morning and evening commute period. The impact of the project is not considered significant because of the rural character of the area and the tradewinds help keeping

⁵ U.S. National Weather Service, Forecast Office, Honolulu, Hawaii.

pollution levels low. Waimanalo is not situated in an air quality maintenance or non-attainment area per the State Department of Health (DOH).

3.1.6 WATER QUALITY

The ocean outside Waimanalo Beach Park is designated as class A and AA by the State Department of Health, Clean Water Branch. Waters between the Southerly boundary of Kaiona Beach Park to Makapu'u Point and the areas around Manana (Rabbit) Island and Kaohikaipu Island are Class AA, the rest of the bay is Class A. Marine waters are classified as AA or A. According to Hawaii Administrative Rules, Chapter 11-54 "it is the objective of class AA waters that these waters remains in their natural pristine state as nearly as possible with an absolute minimum of pollution or alteration of water quality from any human-caused source or actions. To the extent practicable, the wilderness character of these areas shall be protected." "It is the objective of class A waters that their use for recreational purposes and aesthetic enjoyment be protected. Any other use shall be permitted as long as it is compatible with the protection and propagation of fish, shellfish, and wildlife, and with recreation in and on these waters. Theses waters shall not act as receiving waters for any discharge which has not received the best degree of treatment and control compatible with the criteria established for this class." There is no point or non-point discharge in this area and the waters appear clean. Point source discharge means end-of-pipe discharges from factories or sewage treatment plants. Non-point source pollution (NPS) or polluted runoff comes from many land uses such as agriculture, industrial and residential zones, forests, and marinas.

3.1.7 NATURAL HAZARDS

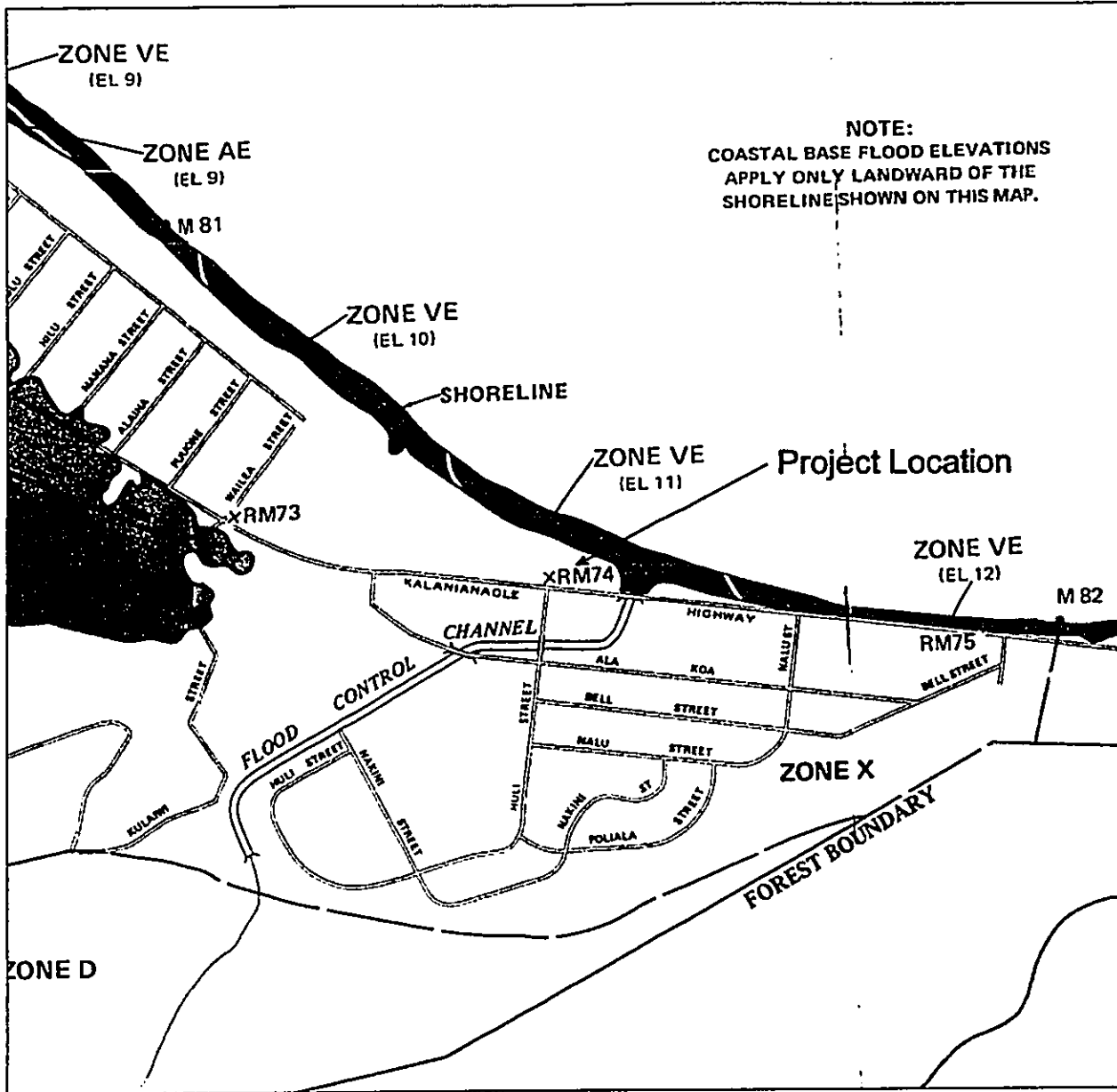
Flood Hazard

According to the Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map the beach park is located in both Floods Zone VE and Flood Zone X, the proposed location of the canoe halau is in Zone X.⁶ (See Figure 8) According to Oahu Civil Defense Agency, Tsunami Evacuation Oahu Map 6: Makapu'u to Waimanalo, the subject property is also located in a Tsunami inundation zone.

The proposed action will not exacerbate any hazard conditions. Planning and design for the project will comply with flood district and other structural standards to mitigate any potential damages.

⁶ Flood Insurance Rate Map (FIRM) Prepared by the Federal Emergency Management Agency, Map Number 150001 0095B, Effective date November 20, 2000.

CANOE HALAU AT WAIMANALO BEACH PARK
 Final Environmental Assessment




 Scale: N.T.S.

**FIGURE 8
 FLOOD MAP**

Hurricane Hazard

The potential impact of destructive winds and torrential rainfall of tropical storms and hurricanes on the proposed canoe halau will be mitigated by compliance with the Uniform Building Code adopted by the City and County of Honolulu.

Seismic Activity

The Uniform Building Code (UBC) provides minimum design criteria to address the possibility of damages due to seismic disturbances. The UBC rates seismic zones on a scale from Zone 1 through Zone 4, 1 being the lowest level of earthquake-induced ground movement. Oahu is a designated Seismic Zone 2A.

3.1.8 NOISE

Existing noise levels at the project site are consistent with similar coastal locations in the surrounding area. Traffic noise from Kalaniana'ole Highway is the predominant source of background noise in the vicinity of the project site.

Construction activities related to the proposed comfort station will affect noise levels. Construction equipment, such as tractor with an excavator and/or, front-loader and small crane or truck mounted hoist and material-carrying trucks and trailers, would be the dominant source of noise during the construction period. Construction noise may impact residents in private homes mauka of Kalaniana'ole Highway, but will be confined to daylight working hours only and should be short-term. Construction will comply with the State Department of Health's *Administrative Rules, Chapter 11-46*.

3.2 BIOLOGICAL ENVIRONMENT

3.2.1 FLORA

Almost the entire project parcel is maintained as an open lawn area by mowing of grass and removal of weedy shrubs. Only the parking lots are not maintained as lawn. Vegetation on the site consists primarily of grass, alien weeds, and trees of common varieties. Mature ironwood and coconut trees border the site along the highway and the beach, a Hau hedge (*Hibiscus Tiliaceus*) provides a natural border between the highway and the site. Each campsite is bordered by remnants of low hedges of Blue Vitex (*Vitex Trifolia Var.*). There are no rare, endangered or threatened species of plants that inhabit the project site.

3.2.2 FAUNA

There are no rare, endangered or threatened species of wildlife that inhabit the project site.

3.2.3 MARINE WILDLIFE

According to the National Fisheries Service (NMFS), the following species might be found in the Waimanalo Beach Park area; "Threatened green sea turtles (*Chelonian mydas*), and endangered hawksbill turtles (*Eretmochelys imbricata*) occurs in waters around Oahu. Green sea turtles may also be found on the beaches of Waimanalo Beach Park. Endangered Hawaiian monk seals (*Monachus schauinslandi*) are also found in the nearshore waters and beaches of Oahu and could potentially be found in the project area."⁷ This area is however, not a sea turtle study site for NMFS and construction activities and operation of proposed canoe halau will not impact the aquatic species.

No significant lighting will be added with the canoe halau and the iron wood trees act as a buffer between the ocean and the halau, strong light can sometimes attract green sea turtles to shore.

3.3 SOCIO ECONOMIC ENVIRONMENT

Waimanalo is primarily known for its low-density single-family houses and also contains some medium-density townhouses. Commercial uses in the vicinity of the project site include a gas station, fast food restaurants and "mom and pop" stores along Kalaniana'ole Highway. Recreational facilities in the vicinity of the project site include the ball field at Waimanalo Beach Park, Waimanalo Beach Park and Kaupo Beach Park.

On a short term basis the proposed project will support construction and construction related employment. On a long-term basis, the canoe halau will not have an impact on employment opportunities, nor will it have an impact upon local population levels. The community is considered a residential area and the population tends to be relatively stable with +/- 60 % of the population in the 18 to 64 year old age range (see Table 2).

3.3.1 POPULATION

On the weekdays the primary users of the park are tourists, during the weekends however, the park users are primarily the local population. The 2000 census counted 7,935 residents in Waimanalo and 117,138 residents in the Koolau-poko region. As seen in Table 1, Koolau-poko experienced .1 percent population decline between 1990 and 2000. In contrast, the population of Waimanalo experienced 3.1 percent growth over the same period.

⁷ Letter from National Marine Fisheries Service, dated January 7, 2003.

Table 1: Population in Waimanalo, the Koolaupoko District, and Oahu, 1990-2000

Area	1990	2000	Net Change 1990-2000	Percent Change 1990-2000
Oahu	836,231	876,156	39,925	4.8%
Koolaupoko District	117,242	117,138	-104	-0.1%
Kailua CDP	36,818	36,513	-305	-0.8%
Waimanalo	7,693	7,935	242	3.1%

Source: U.S. Census Bureau

Table 2: Population by Age Group in Waimanalo, the Koolaupoko District, and Oahu, 2000

Area	Under 5 Years	5 – 17 years	18 – 64 Years	65 Years and Over
Oahu	56,849	151,909	549,661	117,737
Koolaupoko District	7,569	21,718	74,697	14,010
Kailua CDP	2,396	7,943	27,071	6,370
Waimanalo	778	2,332	6,748	1,061

Source: U.S. Census Bureau

The population growth statistics for both Koolaupoko and Waimanalo support continues demand for recreational and beach park facilities.

3.3.2 SURROUNDING LAND USES

Bordering the beach park across Kalaniana'ole Highway are residential neighborhoods.

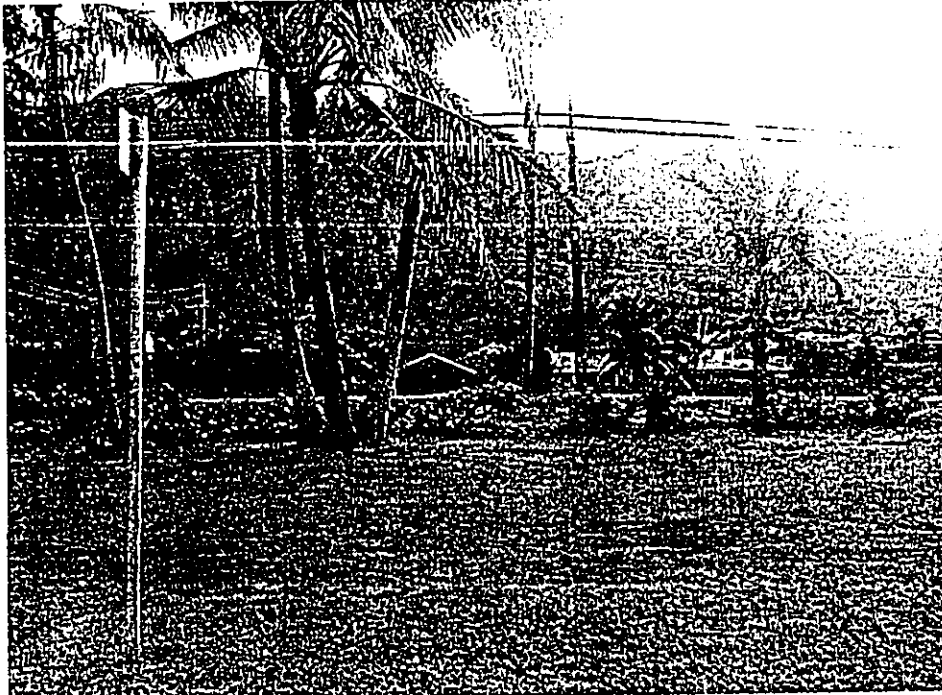


Photo 4: South-West-facing view: Private Residences along Kalaniana'ole Highway.

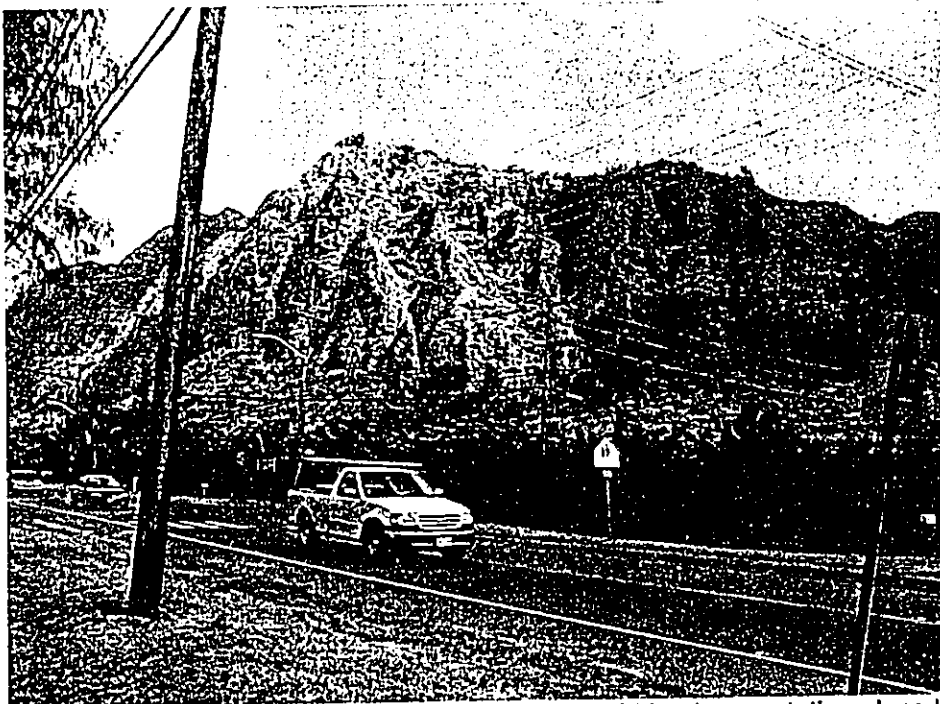


Photo 5: South-facing view: Private Residences hidden by vegetation along Kalaniana'ole Highway.



Photo 6: North-facing view: Existing comfort station and ocean beyond with proposed site to the right.

3.3.3 VISUAL AND SCENIC RESOURCES

Along this strip of Kalaniana'ole Highway the coastal views compete with lush views of the Koolau Mountain Range. Vehicles and pedestrians traveling along glimpse the ocean between mature vegetation. The new canoe halau will be located in an existing grassy area bordered by Coconut palms and a mature Hau hedge along the highway.

The proposed canoe halau would have little or no additional impact on nearby residences. Ocean views for private homes across Kalaniana'ole Highway are currently partially obstructed by the existing comfort station, Ironwood trees, Coconut palms and other vegetation in this part of the park (see photos on next page). The canoe halau will most likely impact the view from a rooftop deck of a residence directly across the highway.

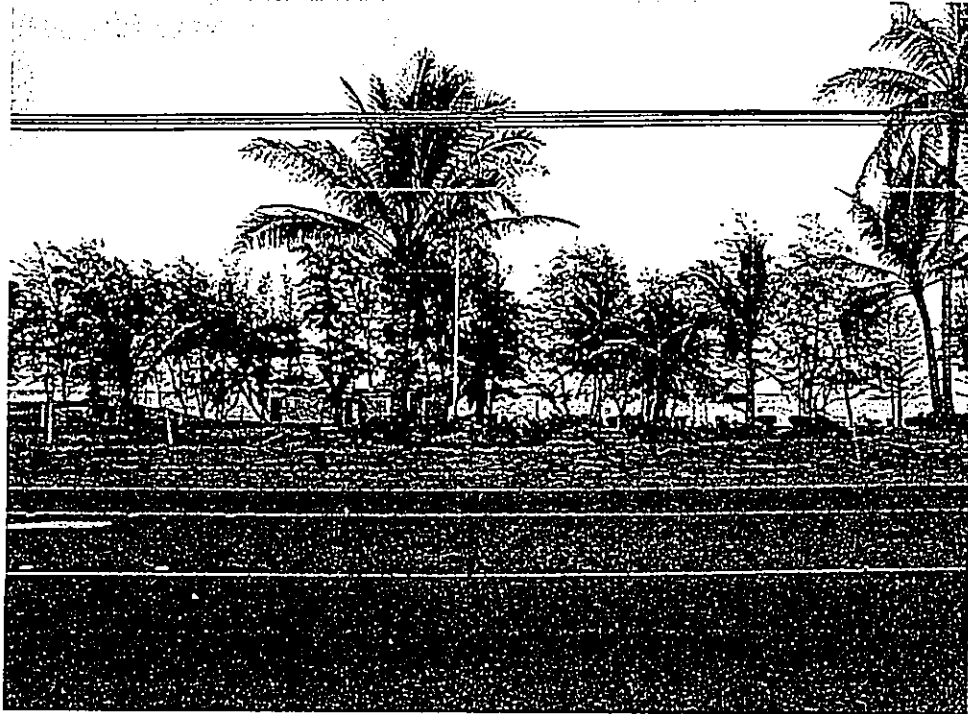


Photo 7: North-facing view from makai side of Kalaniana'ole Highway: Mature ironwood trees, Coconut palms and the existing comfort station partially block views of ocean from highway and residence.

3.3.4 RECREATIONAL RESOURCES

Residents along this coastline typically depend on the natural environment for recreation, notably the beaches and ocean in this area. Some recreational resources provided by Waimanalo Beach Park are fishing, kayaking, swimming and picnicking. There are no anticipated changes in these activities if the proposed project is implemented. Moreover, as a smaller, rural community, the area lacks many of the commercial amenities found in urban areas, such as theaters, shopping malls, bowling alleys and, fitness centers. Canoeing is an increasingly popular and important recreational and cultural resource for community members of all ages.

3.3.5 ARCHEOLOGICAL, HISTORIC AND CULTURAL RESOURCES

According to the State Department of Land and Natural Resources, Historic Preservation Division "there are no known historic sites at this location. According to US Department of Agriculture's soil surveys maps, the project sites at the project area is underlain by Jaucus Sands, which are known to contain cultural layers and human burials. We also have records of an inadvertent discovery of a human burial from the shoreline approximately 600 yards to the west of the current project location as well as elsewhere in Waimanalo. Thus, construction of the canoe halau and associated improvements may have an 'adverse effect' on significant historic sites which may be present in the san deposits." The Historic Preservation Division gives the following recommendations: "we recommend that all ground disturbing work be monitored on-

site by a qualified archeologist in accordance with an approved monitoring plan. Monitoring will enable the identification, documentation, and appropriate treatment of any historic sites that may be adversely affected by the project." They also state that, "the plan should make clear that if any archeological properties (remains) are encountered during the course of monitoring all construction activities in the immediate area shall be temporarily halted." (Find the Historic preservation letter in the appendix of this document).⁸

CULTURAL RESOURCES

No formal cultural impact study was conducted however several field investigations were conducted both during weekdays and weekends. No on-going cultural or religious practices were identified at these times. In addition, members of Waimanalo Neighborhood Board, Waimanalo Vision Team, and Waimanalo Canoe Club were contacted and nobody has mentioned that any cultural activities take place at this part of the park. The project in general has support from aforementioned community groups who feel there is a need for a canoe halau for Waimanalo Canoe Club. In addition, current uses of the beach park will not be impacted except for the relatively short duration of construction of the halau.

3.4 TRAFFIC AND CIRCULATION

EXISTING ROADWAY SYSTEM

Primary and only access to and from Waimanalo Beach Park is from Kalaniana'ole Highway, the only major roadway in this part of the island. The highway links Waimanalo to Kailua, Kaneohe, Honolulu, and East Honolulu. The highway consists of one lane in each direction and is heavily used during the morning and evening commute hours. The speed limit in the vicinity of the beach park is 35 miles per hour.

There are no major intersections near the project site. On a short-term basis, traffic flow on Kalaniana'ole Highway may be impacted as construction vehicles enter and exit the project site. This impact however, is not considered significant due to the short time period this will occur. The canoe halau is a storage facility, the only traffic resulting from the halau is when canoes are loaded onto trailers or returned to the canoe halau. On a long-term basis there are no anticipated traffic impacts associated with the proposed action.

TRAFFIC CONDITIONS

The State Highway Division collects traffic count data at various locations on an annual basis. Based on these counts, traffic estimates are calculated on segments of highway. Table 3 shows peak hour and daily volumes for 1998 through 2002 (for the first six months) at the intersection of Kalaniana'ole Highway and Wailea Street.

⁸ Letter from P. Holly McEldowney, Acting Administrator, State Historic Preservation dated January 6, 2003.

Traffic data for other streets, closer to the beach park that could be affected by the proposed project are not available.

Table 3: Kalaniana'ole Highway Traffic Counts

Intersection of Kalaniana'ole Highway and Wailea Street

Year	24-Hour Period	
	NW Bound	SE Bound
1995	7,899	7,498
1997	8,057	7,548
1999	8,817	7,790
2001	9,077	8,608

Source: State Highways Division, *Traffic Survey Data, Island of Oahu, Station 42-C*

Access to the beach park is from Kalaniana'ole Highway. Left turns to the beach park are made from a separate turning lane when there are gaps in the oncoming traffic. Left turns from the beach park are made when there are gaps in traffic. There are no traffic signs in the vicinity.



Photo 8: South-East-facing view: Kalaniana'ole Highway

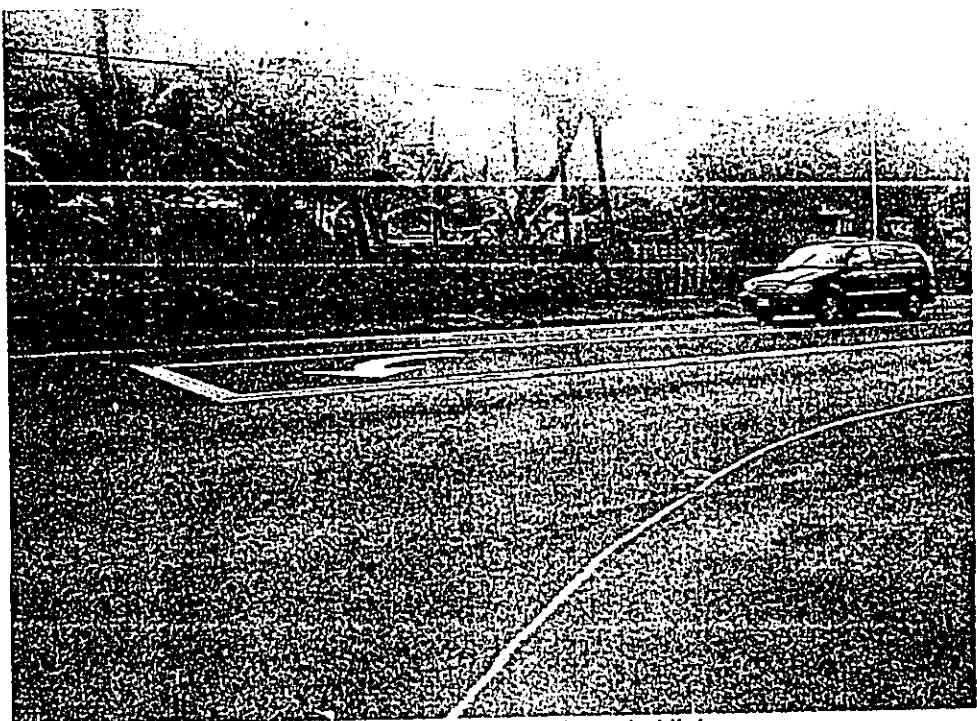


Photo 9: Left turn into beach park from Kalanianaʻole Highway.

3.4.1 EXISTING PARKING

The existing beach park parking lot consists of 27 standard parking spaces and two ADA accessible parking spaces. The smaller parking area makai of the proposed site contains three standard stalls. The existing parking is adequate to accommodate the ten spaces required per Land Use Ordinance for the canoe halau. On occasion during major holidays and three-day weekends the beach park is extremely busy and park users are forced to park along the shoulder of Kalanianaʻole Highway.



Photo 10: South-facing view: Three-car parking makai of proposed canoe halau site.

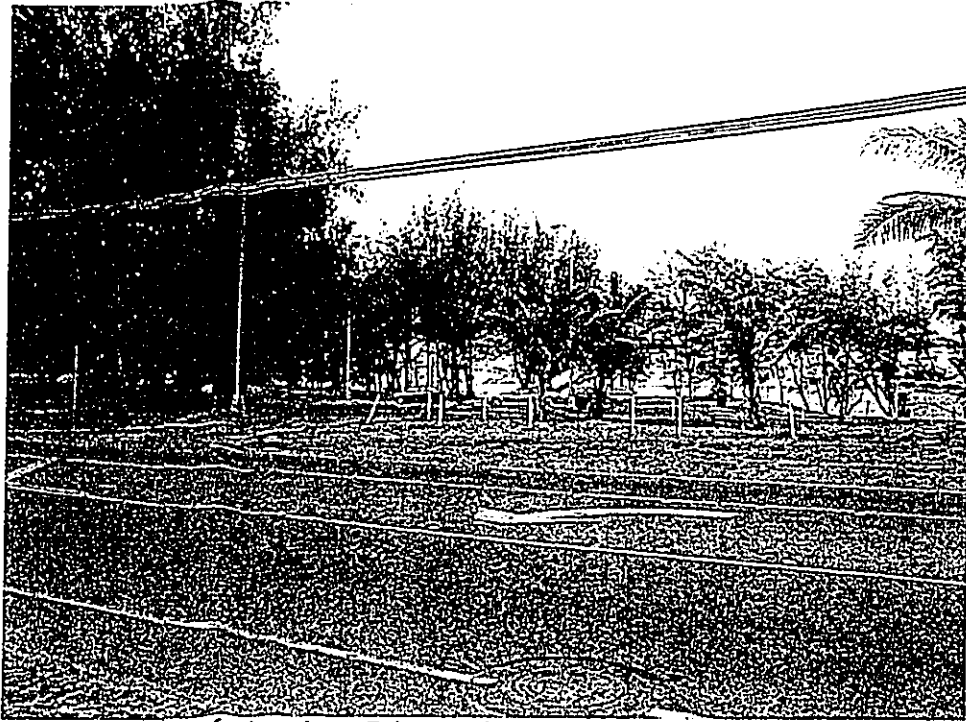


Photo 11: North-facing view: Driveway into site from Kalaniana'ole Highway.

3.5 PUBLIC UTILITIES AND SERVICES

3.5.1 WATER SUPPLY

The project is presently served by one existing 3-inch meters (Board of Water Supply, Premise-ID 1061667).

3.5.2 STORM WATER

Storm water is presently absorbed on the subject property since it is relatively flat with no paved surfaces. With the construction of a paved driveway and building roof, the volume of on-site flows is expected to increase. Improvements will be made to mitigate increased runoff velocity and any adverse impacts.

3.5.3 EXISTING ELECTRICAL SERVICE

Hawaiian Electric provides electrical service at the site. Connections are available to the subject property. There are existing light poles along Kalaniana'ole Highway and the existing comfort station has interior and exterior lighting. The additional electrical fixtures represents an increase in demand in electrical consumption and this can be accommodated without any modifications to the areas power distribution system. Additional electrical supply will be pulled from an existing load center in the storage close of the existing comfort station.

3.5.4 SOLID WASTE DISPOSAL

Solid waste is removed from the trash cans once every day. The trash bags are removed from the site a minimum of once a day depending on the number of people at the beach park. This service is provided by the City and County of Honolulu, Department of Parks and Recreation.

3.5.5 PUBLIC HEALTH AND SAFETY DEVICES

Waimanalo Beach Park is located in District 4 of the Honolulu Police Department. District 4 is the largest patrol area of HPD, extending from Makapuu Point to Kawela Bay on the Windward side of Oahu. Kailua Substation located at 219 Kuulei Road, approximately 6 miles from the beach park serves this area.

The park is part of Beat 450 with one officer assigned to this beat. Additional officers from other beats might be dispatched dependent on the incident.

According to HPD's 2001 Annual Report, the following offenses were committed in Beat 450 during the year:

No. of Reports	Offense
3	Robbery
4	Aggravated Assault
17	Burglary
243	Larceny
13	Auto Theft

According to personnel of the Kailua Substation offenses directly related to Waimanalo Beach Park are thefts from autos.⁹

Fire protection is provided by Waimanalo Fire Station located at 41-1301 Kalaniana'ole Highway, approximately 2 miles from the park. Engine 27, an ocean rescue inflatable jet boat and five firefighters for each shift service the local population.

Castle Medical Center, located at 640 Ulukahiki in Kailua, approximately 5 miles away is the closest medical facility with an emergency room. However, an emergency medical response team is based at the Waimanalo Fire Station. Waimanalo Community Health Center also offers medical services.

⁹ Phone conversation with Police Officer, Kailua Substation, December 6, 2002.

4. POTENTIAL ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

4.1 PHYSICAL SETTING

4.1.1 TOPOGRAPHY

The existing terrain is relatively flat along Kalaniana'ole Highway and gradually tapers off toward the ocean. Some excavation will be required for footings and utilities other than that the grading is minor.

Disturbed areas immediately surrounding the canoe halau will be topdressed and re-grassed with Seashore Paspalum. No mitigate measures are necessary.

4.1.2 SOILS

Erodable beach sand and sandy soils (see section 3.1.2) are predominant in the beach park, however, no soil disturbance will occur in natural areas. The new canoe halau will be located in a relatively flat area, therefore, no problems are foreseen with above soil types.

4.1.3 COASTAL EROSION

The location of the canoe halau does not impact coastal erosion. No mitigate measures are necessary.

4.1.4 AIR QUALITY

Day-to-day beach park operations are not expected to generate any long-term negative impact on air-quality. Short-term adverse impact on air-quality might be due to emission from construction machinery and vehicles as well as dust from associated with construction and landscaping activities. The following measures will be taken to mitigate these impacts:

- a) Construction debris and excavated materials that is not used for construction will be disposed of at appropriate facilities. Stockpiles will be covered.
- b) If necessary, the contractor will water site periodically.
- c) Contractor will use properly maintained vehicles to minimize pollution.

Construction activities will employ fugitive dust emission control measures in compliance with provisions of Hawaii Administrative Rules (HAR), Chapter 11-60.1, "Air Pollution Control," Section 11-60.1-33 on Fugitive Dust and of the State Department of Health Rules and Regulations (Chapter 43, Section 10).

Once the construction is completed, it is anticipated that the canoe halau will not have an adverse impact upon air quality in the area; thus no long-term mitigative measures are needed.

4.1.5 WATER QUALITY

As the canoe halau construction is implemented, storm water runoff is expected to increase. When construction is completed, impermeable surfaces (rooftops, walkways and parking) are expected to increase. Any additional run-off created by the new hardscape can be handled by existing means, i.e. on-site percolation.

Temporary ground cover, plastic barriers and cut-off ditches are examples of soil erosion control measures used during construction.

The proposed canoe halau will not change the ocean-related activities that currently take place at Waimanalo Beach Park, except for providing much-needed canoe halau storage for Waimanalo Canoe Club. During the construction period, the impact to coastal waters will not be affected, as the canoe halau project will adhere to Best Management Practices (BMPs).

The following BMPs are to be implemented and will be noted on the construction drawings.

1. Construct a stabilized construction entrance/exit at the locations indicated or as accepted by the officer-in-charge to prevent sand from being tracked onto area roadways, and from entering into area storm drainage system and surface/coastal waters.
2. An existing paved area in the park may be used for the washing operation provided that runoff from the site will not create nuisance to park users or have the potential to runoff on to area roadways, or into storm drains, coastal waters or channels leading thereto.
3. Stabilized access/egress points in grassed areas may be covered with a reinforced erosion control mat that will serve to retain dirt and soil materials. Mat materials shall cover a minimum area of 50' L x 20' wide and be maintained as a tire wash area surface throughout the duration of work at the site. All mat material and anchoring devices shall be removed upon completion of the work and the area shall be regrassed following use as an access/egress location.
4. If gravel is used to stabilize the access/egress area, it shall be, 1" to 3" size aggregate placed in minimum area of 50'L x 20' wide x 8" D. All gravel is to be removed from the area following construction and disposed off-site. The area shall be re-grassed following use as an access/egress location. Other means of stabilizing the access/egress area may be accepted by the officer-in-charge (O.I.C.). (The Officer-in-

Charge, Architect or Engineer authorized to represent the Director of Parks and Recreation.)

5. Install silt fence at locations shown on plan. Silt fence may be adjusted to fit contractor's operations after the contractor acquires acceptance of the officer-in-charge.

Long-term permanent sand and soil erosion control measures such as grass will be used.

There will be no effect on coastal waters fronting Waimanalo Beach Park; thus no long-term mitigative measures are necessary.

4.1.6 NATURAL HAZARDS

Flood Hazard

The proposed action will not exacerbate any flood hazard conditions. The canoe halau will be located at an elevation 20.8 feet above mean sea level (MSL). The Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map designation of Zone X designates the new canoe halau to be outside of the 500-year flood plain.

The proposed action will not exacerbate any hazardous conditions. Planning and design for the project will comply with structural standards to mitigate any potential damages.

Hurricane Hazard

The potential impact of destructive winds and torrential rainfall of tropical storms and hurricanes on the proposed canoe halau will be mitigated by compliance with Section 3.1.7 of the Uniform Building Code adopted by the City and County of Honolulu.

Seismic Activity

Oahu is a designated Seismic Zone 2A, a low level of earthquake movement, the structure will be designed according to the rules of the Uniform Building Code adopted by the City and County of Honolulu. No mitigate measures are necessary.

4.1.7 NOISE

Construction will comply with the State Department of Health's *Administrative Rules, Chapter 11-46*. Once the construction is completed, it is anticipated that the canoe halau will have no adverse impact upon existing noise characteristics; thus, no-long-term mitigative measures are necessary.

4.2 BIOLOGICAL ENVIRONMENT

The site of the proposed structure deals with a relatively small area within an existing beach park use. As the local community has utilized the area historically, there will be minimal additional impact that would involve a substantial degradation of environmental quality.

4.2.1 FLORA

No endangered plants are located within the park. The construction of the canoe halau will not require the removal of any trees; the area around the canoe halau will be re-planted with grass and naupaka. There are no botanical reasons to impose restrictions to the proposed new canoe halau.

4.2.2 FAUNA

No endangered animal species are located within the park. Construction is not expected to have an adverse impact on birds and other small mammals. Outdoor lighting at the park will not have a negative impact on seabirds and other wildlife. Floodlights will not be utilized. Lighting fixtures will be selected to avoid the problem of light attraction. No mitigate measures are necessary.

4.2.3 MARINE WILDLIFE

No significant lighting will be added to the side of the canoe halau facing the ocean. Strong light can sometimes attract green sea turtles to shore.

The nature and location of the proposed project ensures that marine wildlife will not be affected.

4.3 SOCIO-ECONOMIC ENVIRONMENT

4.3.1 POPULATION

As local beach goers and campers have utilized the area historically, there will be minimal additional impact that would curtail the range of beneficial uses of the environment. The project continues a present shoreline recreational use and access by the general public. In looking to a current planning cycle of 50 years, the intent of this facility is to foster good shoreline management to and for the Waimanalo public.

The proposed project does not involve substantial secondary impacts, such as population changes or effects on public facilities other than provide a canoe storage facility for the Waimanalo Canoe Club. The canoe halau, however, will enhance the social, cultural, and recreational opportunities available at Waimanalo Beach Park. The canoe halau supports a growing sport among adults and young athletes and promotes Hawaiian culture via outrigger canoeing

activities. Canoe paddling is a constructive after school activity that promotes family values, teamwork, commitment, good sportsmanship, and care for the environment. The proposed canoe halau will benefit and support the local canoe paddling community.

There will be minimal additional impact and no mitigative measures are needed

4.3.2 SURROUNDING LAND USES

Residents in the neighborhood could possibly be adversely affected by a more frequent and intensive use of the park. Noise and outdoor lighting are other possible problems. This can be mitigated by the design of fixtures and hour of operation and access to the facility.

4.3.3 VISUAL AND SCENIC RESOURCES

The proposed project will increase the impact of scenic views of the ocean compared to the existing condition. The Kalaniana'ole highway elevation of canoe halau is 60' wide and the roof is 25' at its peak. No additional landscaping is planned for this area. The visual character of the existing beach park will remain unchanged except for the addition of the new canoe halau. The proposed new canoe halau will increase the attractiveness of the beach park.

4.3.4 RECREATIONAL RESOURCES

The new canoe halau will not add recreational resources to Waimanalo Beach Park; however, the project will aid the Waimanalo Canoe Club in continuing the clubs paddling program and providing the club with a much-needed canoe storage facility.

4.3.5 ARCHEOLOGICAL, HISTORIC AND CULTURAL RESOURCES

According to State of Hawaii, Historic Preservation Division "there are no known historic sites at this location." However, the Historic Preservation Division "recommend that all ground disturbing work be monitored on-site by a qualified archeologist in accordance with an approved monitoring plan." A monitor plan will be prepared and approved, and a qualified archeologist will be retained to monitor any groundbreaking activities according to the Historic Preservation Division recommendation.

4.4 TRAFFIC AND CIRCULATION IMPACTS

There is no anticipated major increase in traffic due to the canoe halau project. During construction trucks and other heavy vehicles will temporary increase traffic. The most congested conditions will continue to occur during the weekends and holidays. There will be no overall negative effect on traffic.

4.4.1 PARKING IMPACTS

The canoe halau is for storage of canoes. While trailers are loaded and un-loaded and Waimanalo Canoe Club members are tending to the equipment there will be a no parking impact on the existing parking. There will be minor overall negative effect on parking.

4.5 PUBLIC UTILITIES AND SERVICES

4.5.1 PUBLIC UTILITIES

Water System

The existing water system is presently adequate to accommodate the new hose bib at the canoe halau. New water line for the hose bib will tap off the existing system. The impact on the existing water system will be insignificant. No improvements to the existing water meter is anticipated.

Wastewater

No wastewater will be generated.

Storm Water Drainage

No adverse drainage impacts to the beach park are expected. Drainage from the roof and ac pavement would sheet flow into the adjacent grassy or planted areas where the runoff would percolate naturally into the ground.

Electrical Service

Hawaiian Electric provides electrical service at the site. The additional electrical fixtures represents an increase in demand in electrical consumption and this can be accommodated without any modifications to the areas power distribution system. Additional electrical supply will be pulled from an existing load center in the storage close of the existing comfort station. No improvements to the existing electrical service is anticipated.

4.5.2 PUBLIC SERVICES

The demand for police, fire or emergency medical personnel is not likely to increase with the new facilities. Park improvements are likely to enhance security and safety features in the beach park. Added lighting will create a safer illuminated beach park and parking facility and help deter criminal activities after dark.

5. CONFORMANCE WITH LAND USE POLICIES, PLANS AND REGULATIONS

5.1 STATE GOVERNMENT

Guidelines for land development within the State of Hawaii are provided in several State policies, plans, regulations and controls.

5.1.1 HAWAII STATE PLANNING ACT

The Hawaii State Planning Act of 1996 (Chapter 226, HRS) serves as the umbrella document in the State of Hawaii planning system. It is a written guide for the future long-range development of the state, describing a desired future for the residents of Hawaii and providing an overall theme, goals, objectives, and policies that are intended to shape the general direction of public and private development.

Among the policies included in the Hawaii State Planning Act are several related to shoreline and marine resources, scenic and natural beauty, and leisure and recreation. The Waimanalo Beach Park is consistent with the State's efforts to promote and preserve shoreline and marine resources, preserve scenic and natural resources and promote leisure and cultural activities. The beach park plan provides a blueprint for improvements to the park, thereby ensuring that new facilities are sited appropriately. The beach park plan is intended to maintain and further the use of Waimanalo Beach Park, and in doing so supports the following State objectives and policies:

SEC. 226-11 Objective and policies for the physical environment – land-based, shoreline, and marine resources.

SEC. 226-12 Objective and policies for physical environment – scenic, natural beauty, and historic resources.

SEC. 226-13 Objective and policies for physical environment – land, air, and water quality.

SEC. 226-23 Objective and policies for socio-cultural advancement – leisure.

SEC. 226-25 Objective and policies for socio-cultural advancement – culture.

5.1.2 CLASSIFICATION OF LAND USE

The State Land Use Commission, pursuant to Chapter 205 and 205A, HRS and Chapter 15-15, Hawaii Administrative Rules, classify all lands in the State into one of four land use districts: urban, rural, agricultural, and conservation. The Waimanalo Beach Park falls within the "Urban" classification.

5.2 CITY AND COUNTY OF HONOLULU

5.2.1 OAHU GENERAL PLAN

The City and County of Honolulu, Department of General Planning 1992 General Plan (Amended October 32, 2002) specifies long-range objectives and policies to guide future growth on the island. The General Plan contains social, environmental, economic, and design objectives and associated policies intended to enhance the welfare and prosperity of Oahu residents.

One element of the Oahu general plan relates to culture and recreation. As the beach park plan is implemented, the popular and well-used park will become even more responsive to the needs of local residents. The proposed action is consistent with various objectives and policies in the Oahu general Plan, one objective and three pertaining policies are shown below:

X. Culture and Recreation:

Objective D: To provide a wide range of recreational facilities and services that are readily available to all residents of Oahu.

Policy 2: Develop and maintain a system of regional parks and specialized recreation facilities.

Policy 8: Encourage ocean and water-oriented recreation activities that do not adversely impact on the natural environment.

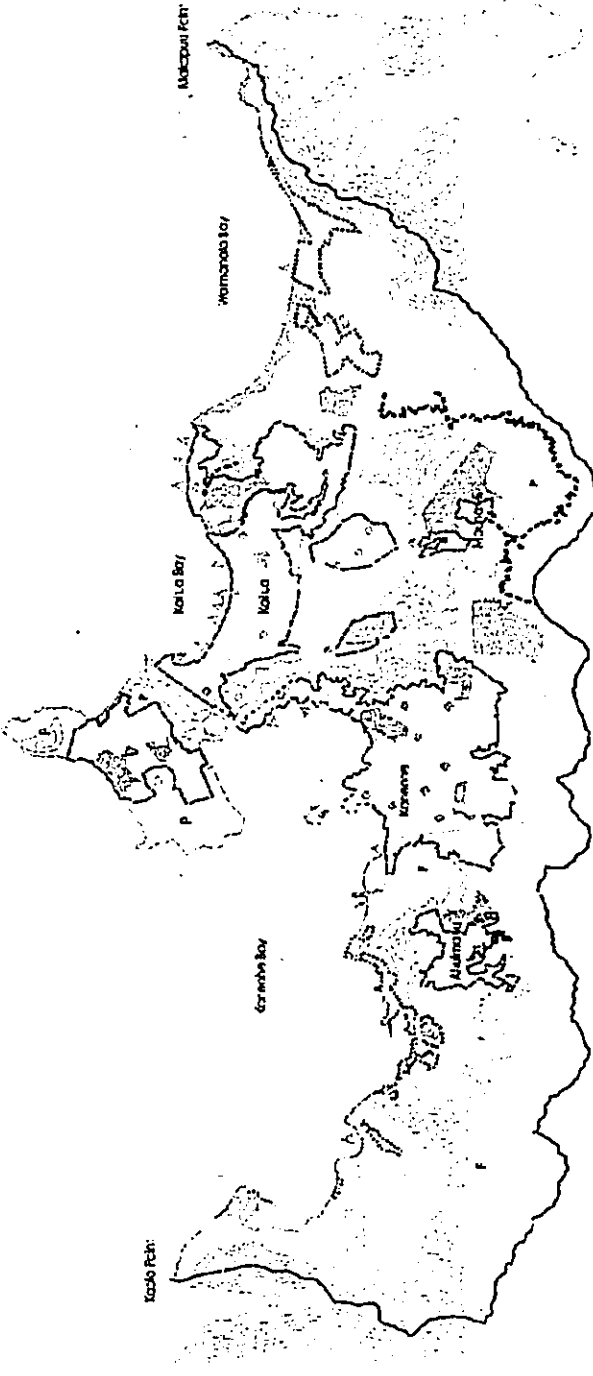
Policy 12: Provide for safe and secure use of public parks, beaches, and recreation facilities.

5.2.2 KOOLAUPOKO SUSTAINABLE COMMUNITIES PLAN

The Honolulu City Charter mandates the preparation of community-oriented plans for the eight regions on Oahu. The project site is located in the Koolau-poko region, an area that stretches from Makapuu Point to Kaoio Point at the northernmost end of Kaneohe Bay. (See Figure 9, 10, 11 and 12) Charter amendment in 1992 redefined the plans as "conceptual schemes" with a purpose to describe the "desired urban character and the significant natural, scenic and cultural" environment of each region and to provide "coordination of major development activities." The City began a program to review and revise the plans, based on this new amendment. The revised Koolau-poko Sustainable Communities Plan (SCP) went into effect in August 2000.

According to Koolau-poko Sustainable Communities Plan, "Koolau-poko is expected to experience essentially no growth over the 20 year projection horizon". The vision for Koolau-poko's future is "calls for protection of the communities' natural, scenic, cultural, historic and agricultural resources."

Click item to return to TABLE OF CONTENTS



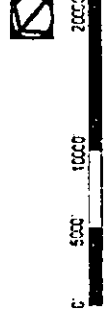
- Preservation Area and Urban Parks
- Agricultural Area
- Regional, District, and Beach Parks, Golf Courses, and Camelias
- Urban Areas
- Community and Neighborhood Parks
- Shoreline Access
- Mountain Access
- Significant Views from Stationary Point
- Continuous Views
- Intermittent Views
- Urban Community Boundary
- Rural Community Boundary
- Agriculture/Open Space/Preservation Boundary

**KOOLAUPOKO
SUSTAINABLE COMMUNITIES PLAN**

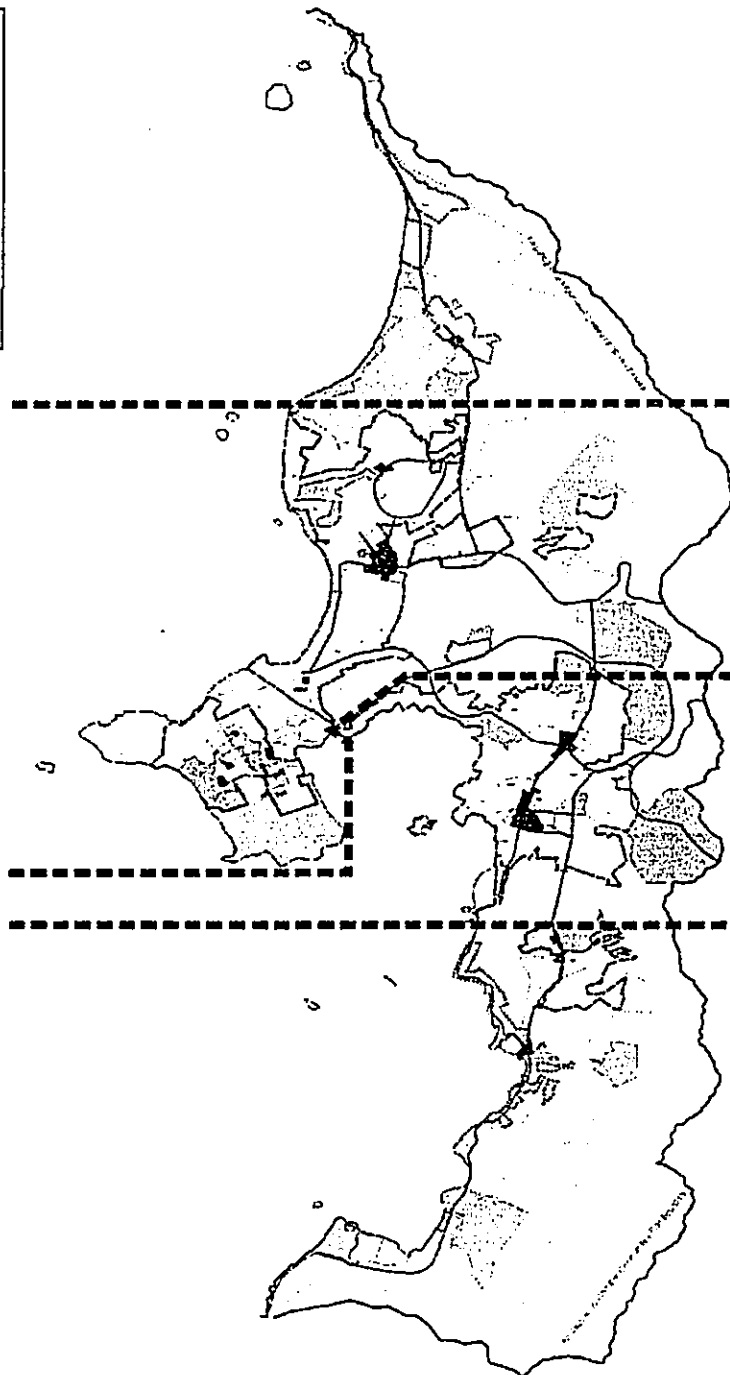
Map A-1: Open Space



Department of Planning and Permitting
City & County of Honolulu
August 2000



[Click here to return to TABLE OF CONTENTS](#)



Section 1:
KAHALUU

Section 2:
KANEHOE

Section 3:
KAILUA

Section 4:
WAIMANALO



- Open Space/Reservations Areas
- Agricultural Areas
- Major Parks, Golf Courses and Cemeteries and Native Reserves
- Medium Density Residential
- Low Density Residential
- Rural
- Institutional
- Military
- Community Commercial Centers, Rural Commercial Centers, Neighborhood Commercial Centers, and Regional Town Centers
- Urban Community Boundary
- Rural Community Boundary
- Agricultural/Open Space Preservation Boundary
- Freeways, Highways, and Major Roads

KOOLAUPOKO SUSTAINABLE COMMUNITIES PLAN

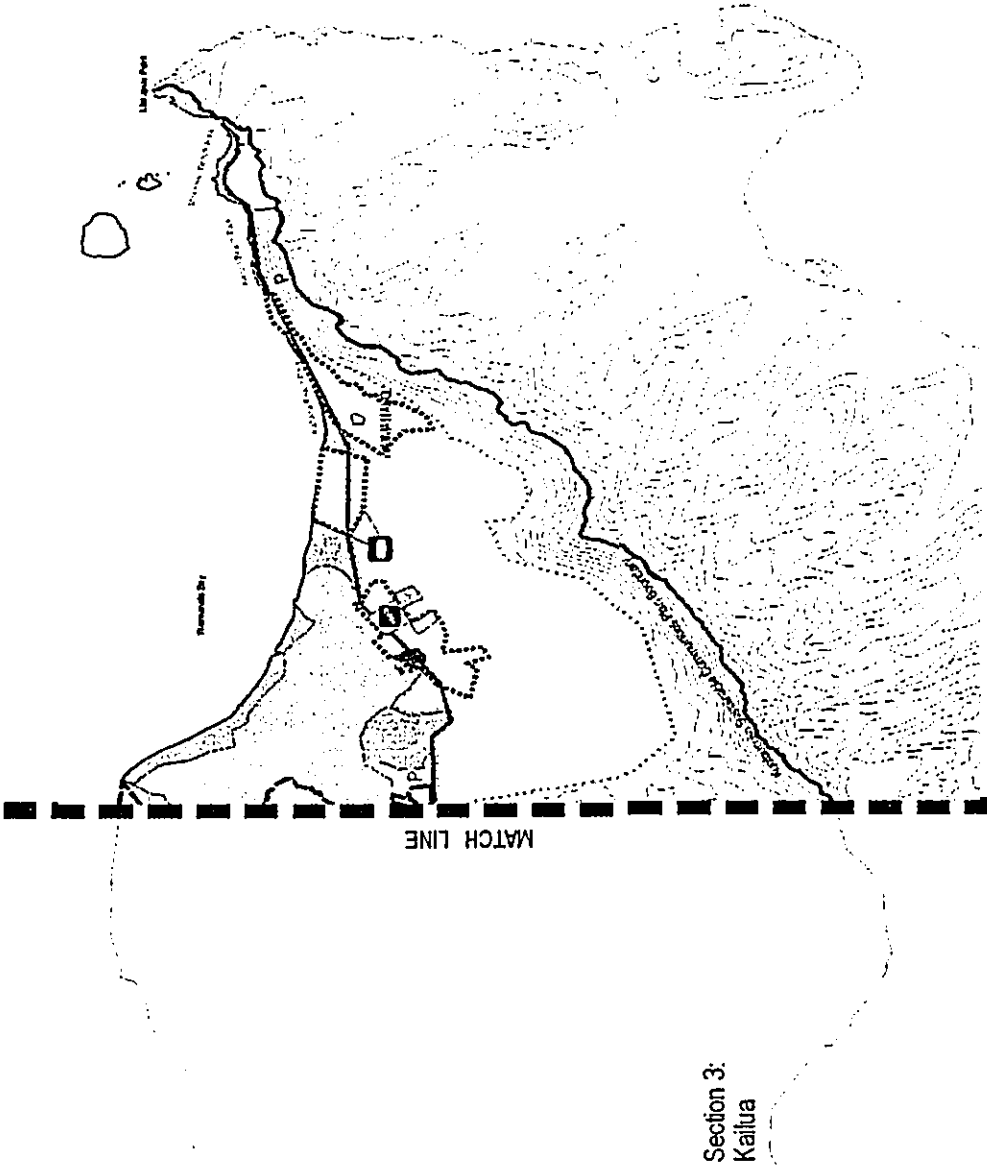
Map A-2: Land Use Key



Department of Planning and Permitting
City & County of Honolulu
August 2000

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 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 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

[Click here to return to TABLE OF CONTENTS](#)



- Open Space/Preservation Areas
- Agriculture Areas
- Major Parks, Golf Courses, and Cemeteries and Nature Preserves
- Medium Density Residential
- Low Density Residential
- Industrial
- Institutional
- Military
- Community Commercial Centers
- Rural Commercial Centers
- Neighborhood Commercial Centers
- Regional Town Centers
- Urban Community Boundary
- Rural Community Boundary
- Agriculture/Open Space/Preservation Boundary
- Interways, Highways, and Major Trunks
- High School (Site)
- Intermediate School (Site)
- Wastewater Treatment Plant

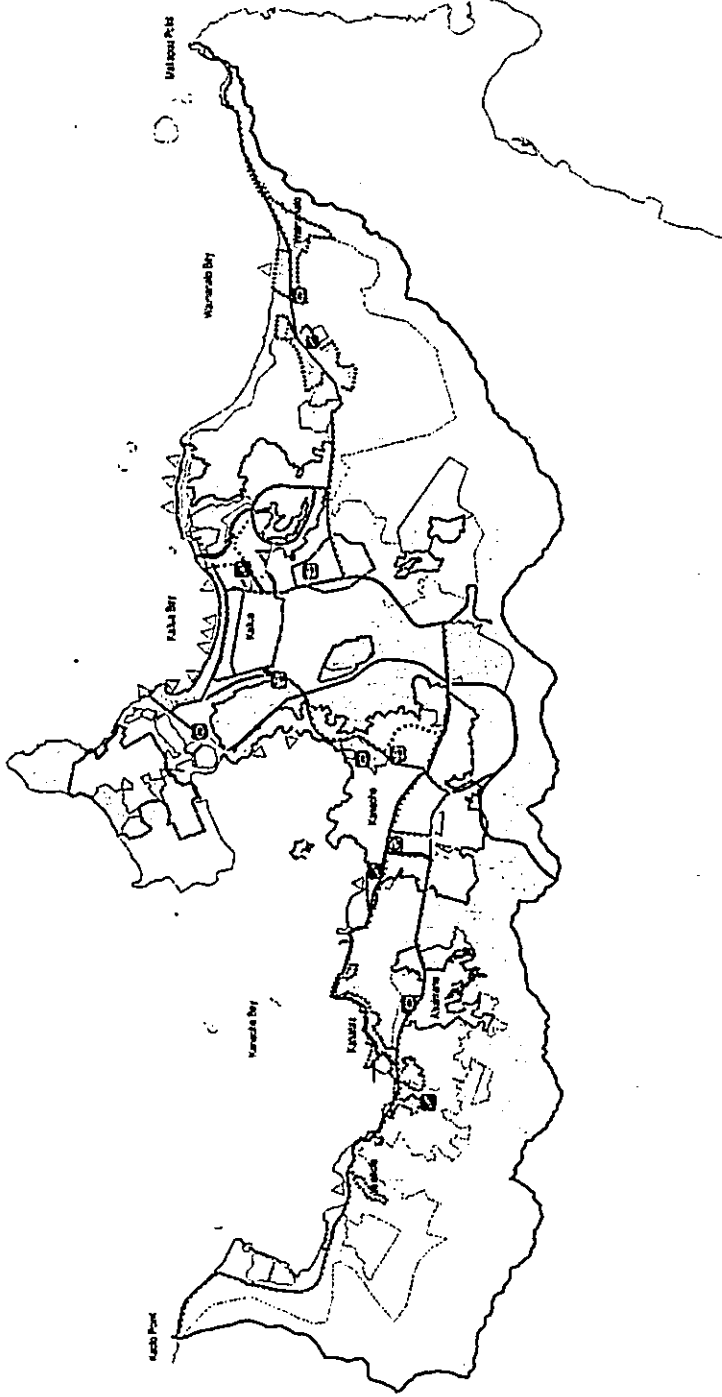
KOOLAUPOKO SUSTAINABLE COMMUNITIES PLAN

Map A-2; Section 4: Waimanalo



Department of Planning and Permitting
City & County of Honolulu
August 2000

[Click here to return to TABLE OF CONTENTS](#)



	Open Space Preservation Areas
	Agricultural Areas
	Urban Areas
	Agriculture/Open Space/ Preservation Boundary
	Urban Community Boundary
	Rural Community Boundary
	Major Parks, Golf Courses, and Cemeteries
	Shoreline Access
	EXISTING Freeways, Highways, Major Roads
	EUTURE Freeways, Highways, Major Roads
	EXISTING Contraflow Lane
	EUTURE Contraflow Lane
	EXISTING Bike Path
	EUTURE Bike Path
	EXISTING Bike Lane
	EUTURE Bike Lane
	EXISTING Bike Route
	EUTURE Bike Route
	High School (State)
	Intermediate School (State)
	Wastewater Treatment Plant
	Transit Center
	Sewer Service Area

KOOLAUPOKO SUSTAINABLE COMMUNITIES PLAN

Map A-3: Public Facilities

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City & County of Honolulu
August 2000

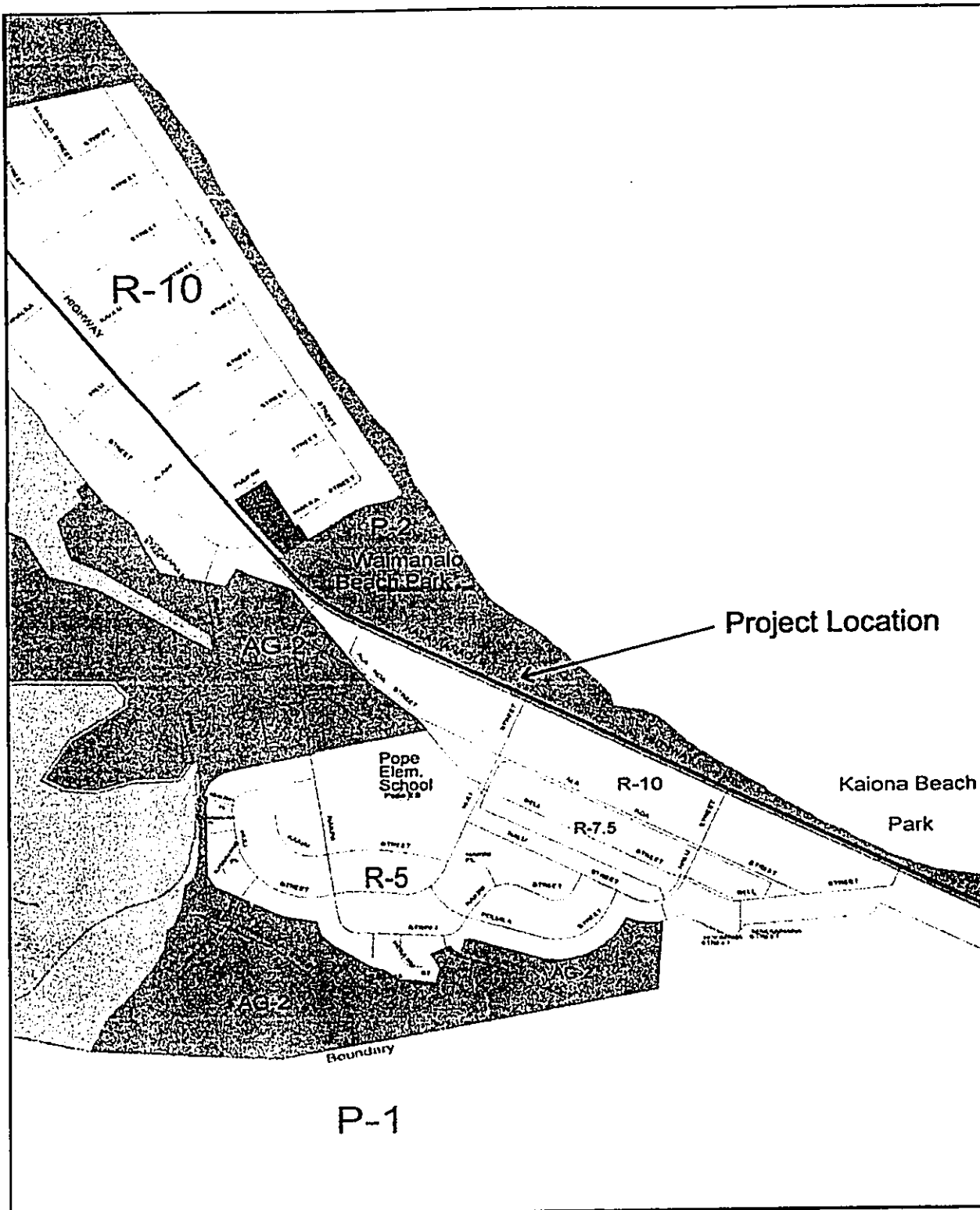
5.2.3 COUNTY ZONING

The project site is located in zoning district P-2 General Preservation (see Figure 13). Because the beach park is a "public use," it is allowed in any zoning district. The Land Use Ordinance defines (LUO No. 99-12 May 10, 1999) "public uses and structures" as "uses conducted by or structures owned or managed by the federal government, the State of Hawaii, or the city to fulfill a government function, activity, or service for public benefit and in accordance with public policy" (pp 10-24 and 10-25). The underlying zoning will not affect proposed beach park improvements.

5.2.4 SPECIAL MANAGEMENT AREA

Coastal Zone Management objectives and policies (Section 205A-2, HRS) and the Special Management Area (SMA) guidelines (Section 25-3.2 ROH) have been developed to preserve, protect, and where possible, to restore the natural resources of the coastal zone of Hawaii. As shown in Figure 14, Waimanalo Beach Park is located within the Special Management Area and a Special Management Area Use Permit-Major (construction cost exceeding \$125,000.00) is required.

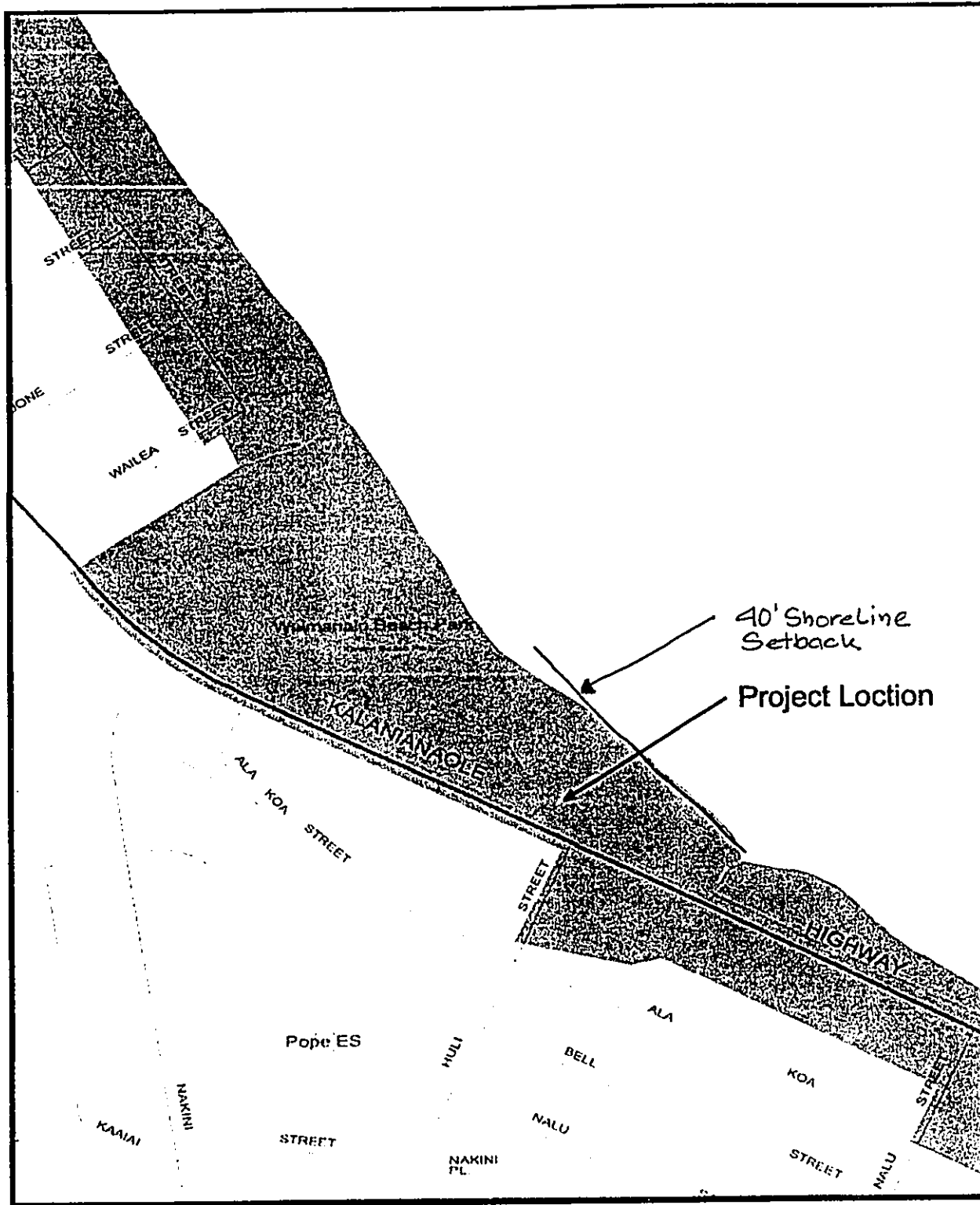
The proposed project is located an area determined to be outside 500-year flood plain (Zone X) as established on the flood insurance rate maps.



Scale: 1" = 1000'

FIGURE 13
COUNTY ZONING MAP

CANOE HALAU AT WAIMANALO BEACH PARK
Final Environmental Assessment





Scale: 1" = 600'

FIGURE 14
SMA MAP

6. POSSIBLE ALTERNATIVES

6.1 NO ACTION

If no action is taken, i.e. the canoe halau plan is not implemented; Waimanalo Canoe Club will remain without a storage facility for its canoes. Necessary new facilities that would maintain or further expand recreational opportunities will not be available. Waimanalo Canoe Club members and residents of Waimanalo would be affected most directly since they would not be able to enjoy the benefits of a secured storage facility for the canoes at the beach park and the improvements envisioned in the canoe halau plans. The "no action" alternative on the other hand, would yield cost savings and enable the City to reallocate funds to other projects. Both of these alternatives are likely to shift benefits to residents in other areas of the island.

6.2 DELAYED ACTION

If funding for the canoe halau plan is deferred or delayed or if the project is delayed for any other reason, canoe club members will continue to rely on existing facilities at Kaiona Beach Park until the plan is initiated. Delaying improvements of the beach park will not significantly alter the environmental consequences of the project. However, project costs might increase because of inflation and changes in economic and labor supply conditions.

6.3 ALTERNATIVE DESIGN

The Canoe Halau at Waimanalo Beach Park plan is derived from a design originally sited and planned for Kaiona Beach Park; the new location was selected and agreed upon by the Waimanalo community and Waimanalo Canoe Club. The Waimanalo Vision Team, the Waimanalo Canoe Club reviewed and accepted the proposed action and existing design. No other design alternatives are considered at this time.

7. ANTICIPATED DETERMINATION

Given the information found and described in this environmental assessment, the proposed Canoe Halau At Waimanalo Beach Park project is not expected to result in significant environmental, economic, social or cultural impacts. Therefore, a finding of no significant impact is anticipated pursuant to the provisions of Subchapter 6 of Chapter 200, Title 11, Hawaii Administrative rules of the Department of Health.

8. FINDINGS AND REASONS SUPPORTING THE ANTICIPATED DETERMINATION

SIGNIFICANCE CRITERIA: According to the Department of Health Rules (I-200-12), an applicant or agency must determine whether an action may have significant impact on the environment, including all phases of the project, its expected consequences both primary and secondary, its cumulative impact with other projects, and its short and long-term effects. In making the determination, the Rules establish "Significance Criteria" to be used as a basis for identifying whether significant environmental impact will occur. According to the Rules, an action shall be determined to have significant impact on the environment if it meets any one of the following criteria:

1. Involves and irrevocable commitment to loss or destruction of any natural or cultural resources;

The proposed project will minimally increase the impact of scenic views of the ocean as the new canoe halau will be located at an existing grassy area. The proposed canoe halau is 24' wide by 60' long and 24' high. Existing ocean views remains around and to each side of the proposed structure. The visual character of the existing beach park will remain unchanged except for the canoe halau structure.

The structure will have minimal impact on existing drainage systems and site runoff. Improvements will be made to mitigate increased runoff velocity and any adverse impacts.

No significant archaeological or historic sites are known to exist on the site. The construction of the canoe halau will be conducted only after a monitoring plan has been approved and all ground disturbing work will be done only while monitored on-site by a qualified archeologist.

2. Curtails the range of beneficial uses of the environment;

The proposed improvements do not curtail the range of beneficial uses of the environment. The area is dedicated to recreational use, and this use will be enhanced with improved facilities. There will be no significant loss of open space with the new facility. The beach park will retain an overall feeling go openness.

3. Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS; and any revisions thereof and amendments thereto, court decision, or executive orders;

The proposed development is consistent with the Environmental Policies established in Chapter 344, HRS and the National Environmental Policy Act.

Per the State Environmental Policy (Chapter 344, HRS) "Parks, Recreation, and Open Space" section the following guidelines apply to the proposed action:

- a) Establish, preserve, and maintain scenic, historical, cultural, park and recreation areas, including the shorelines, for public recreational, educational, and scientific uses;
- c) Promote open space in view of its natural beauty not only as a natural resource, but as an ennobling, living environment for its people.

4. Substantially affects the economic or social welfare of the community or state;

As this area has been used as a beach park historically, there will be minimal additional impact that would curtail the range of beneficial uses of the environment. The project continues a present shoreline recreational use and access by the general public. In looking to a current planning cycle of 50 years, the intent of this facility is to foster good shoreline management to and for the Waimanalo public.

5. Substantially affects public health

The project should not affect public health.

6. Involves substantial secondary impacts, such as population changes or effects on public facilities

The proposed project does not involve substantial secondary impacts, such as population changes or effects on public facilities other than provide a secured canoe halau for the local paddling community as well as visitors.

7. Involves a substantial degradation of environmental quality;

The site of the proposed structure is not environmentally pristine and does not have any biological sources of significance, as campers and beach park goers have utilized the area historically, there will be minimal additional impact that would involve a substantial degradation of environmental quality.

- 8. Is individually limited but cumulatively has considerable effect on the environment, or involves a commitment for larger actions.**

As local beach goers and campers have utilized the area historically, there will be minimal additional impact that would curtail the range of beneficial uses of the environment. The project continues a present shoreline recreational use and access by the general public. In looking to a current planning cycle of 50 years, the intent of this facility is to foster good shoreline management to and for the Waimanalo public.

- 9. Substantially affects a rare, threatened or endangered species or its habitat;**

No endangered plant or animal species located within the park are substantially threatened.

- 10. Detrimentally affects air or water quality or ambient noise levels;**

Ambient noise levels could increase during construction of the canoe halau, while air and water quality impacts are not expected to be detrimental.

- 11. Affects or is likely to suffer damage by being located in an environmentally sensitive area, such as flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, freshwater, or coastal waters.**

According to the Federal Emergency Management Agency (FEMA), the project is not located in a flood zone. Flood insurance rate maps designate the parcel as Zone X, which are areas determined to be outside 500-year flood plain. According to Oahu Civil Defense Agency, the subject property located in a Tsunami inundation zone.

The proposed action will not exacerbate any hazard conditions. Planning and design for the project will comply with structural standards to mitigate any potential damages.

The potential impact of destructive winds and torrential rainfall of tropical storms and hurricanes on the proposed canoe halau will be mitigated by compliance with the Uniform Building Code adopted by the City and County of Honolulu.

- 12. Substantially affects scenic vistas and view planes identified in county or state plans or studies;**

The proposed project will minimally impact scenic views of the ocean since the canoe halau will be located behind an existing hau hedge, coconut palms and ironwood trees. Existing ocean

views remains around and to each side of the proposed structure. No additional view obstructing landscaping will be installed.

13. Requires substantial energy consumption.

The proposed structure requires no substantial energy consumption and is naturally ventilated. Energy in the form of gasoline and diesel fuel will be used during construction.

9. BIBLIOGRAPHY

City and County of Honolulu, Department of Planning and Permitting. August 2000. *Koolaupoko Sustainable Communities Plan*.

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**10. AGENCIES, ORGANIZATIONS AND INDIVIDUALS CONSULTED
DURING DESIGN AND IN PREPARING THE DRAFT
ENVIRONMENTAL ASSESSMENT**

**10.1 AGENCIES, ORGANIZATIONS AND INDIVIDUALS CONSULTED IN PREPARING
THE FINAL ENVIRONMENTAL ASSESSMENT**

The following are agencies informally (verbally) or formally (by letter, included in appendix) consulted in preparing for the Canoe At Waimanalo Beach Park Final Environmental Assessment:

- A. Federal
 - National Marine Fisheries Service
David Nichols
- B. State of Hawaii
 - Department of Health, Clean Water Branch
 - Department of Land and Natural Resources, Historic Preservation Division
Sarah Collins
 - Department of Transportation, Highway Planning Branch
- C. City and County of Honolulu
 - City Council
 - Fire Department
 - Department of Parks and Recreation
 - Department of Planning and Permitting
Eileen Mark
 - Police Department, Kailua Substation
- D. Others
 - Waimanalo Neighborhood Board

- Waimanalo Vision Team
- Waimanalo Canoe Club

10.2 AGENCIES, ORGANIZATIONS AND INDIVIDUALS CONSULTED IN PREPARING THE FINAL ENVIRONMENTAL ASSESSMENT

The availability of the Draft EA was published in the April 23, 2003 Environmental Notice with a public comment deadline of May 23, 2003. The agencies and organizations listed below were contacted during the 30-day comment period. Their major written comments are summarized. A copy of the DEA was also placed at the Waimanalo Public and School Library and the City and County of Honolulu Municipal Library for public review.

Agency/ Organization	Letter Date	Major Comments
Federal Agencies		
Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service	05/20/03	Project not likely to affect listed species under NOAA fisheries jurisdiction. Follow BMPs listed.
State Agencies		
Department of Health	--	
Department of Natural Resources		
Land Division	05/21/03	
State Historic Preservation Division	04/29/03	All ground disturbance to be monitored by a qualified archeological monitor.
Department of Transportation	--	
Office of Environmental Quality Control	04/23/03	
Office of Hawaiian Affairs	05/13/03	
City and County of Honolulu		
Board of Water Supply	05/02/03	Existing water system is adequate.
Department of Parks and Recreation	05/08/03	Supports the construction of the canoe halau.
Department of Planning and Permitting	05/12/03	
Private and Community Organizations		
Koolau Vision team	--	

10.3 COMMENTS AND RESPONSES TO THE DEA

The following section includes the comment letters received during the Draft EA 30-day comment period and the corresponding response letters.



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Pacific Islands Regional Office
1601 Kapiolani Boulevard, Suite 1110
Honolulu, Hawaii 96814-0047

May 20, 2003

代送品

MAY 21 2003

AKTA Ltd./

Camilla Blomqvist
AKTA Ltd.
46-160 Nahiku Street
Kaneohe, HI 96744

RE: Comments on the Draft Environmental Assessment for the Canoe Halau at Waimanalo Beach Park

Dear Ms. Blomqvist:

Thank you for the opportunity to comment on the Canoe Halau at Waimanalo Beach Park Draft Environmental Assessment (DEA). The Department of Design and Construction, City and County of Honolulu propose to construct a new canoe halau at Waimanalo Beach Park at the site of the former caretakers cottage adjacent to the camp facilities and across from the existing small parking lot and comfort station.

Due to the nature and location of the proposed project, construction is not expected to have an adverse impact on marine protected species. However, as previously indicated, the green turtle, hawksbill turtle and Hawaiian monk seal may be present near the area of the proposed project. NOAA Fisheries recommends incorporating the following best management practices (BMPs) into the plans.

1. If any listed species enters the area during project activities, all activities should cease until the animal(s) voluntarily depart the area.
2. All on-site project personnel should be informed of the status of the listed species and the protections afforded to the species under federal laws. A brochure explaining the laws and guidelines for listed species in Hawaii may be downloaded from: <http://www.nmfs.noaa.gov/prod/res/MNWaigh/hawaii.htm>

Should the project plans change or additional information become available, this determination may be reconsidered. Should you have further questions regarding our comments for the proposed project please contact Margaret Akamine or David Nichols at (808) 973-2937 or fax (808) 973-2941

Sincerely,

Margaret M. Akamine
Protected Species Program



AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Ms. Margaret M. Akamine
United States Department of Commerce
National Oceanic and Atmospheric Administration
Southwest Region / Pacific Island Area Office
1601 Kapiolani Blvd., Suite 1110
Honolulu, HI 96814-0047

Dear Ms. Akamine:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park,
Tax Map Key: 4-1-003:016, Koolau-poko District, Oahu, Hawaii

Thank you for reviewing the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park and for your comments of May 20, 2003.

The following best management practices (BMPs) will be incorporated into the construction plans and/or specifications for the project.

- "1. If any listed species enters the area during project activities, all activities shall cease until the animal(s) voluntarily depart the area.
2. All on-site project personnel shall be apprized of the status of the listed species and the protections afforded to the species under federal laws. A brochure explaining the laws and guidelines for listed species in Hawaii may be downloaded from: <http://www.nmfs.noaa.gov/prod/res/MNWaigh/Hawaii.htm>.

Thank you for participating in the environmental review process.

Thank You.

AKTA Ltd./Arthur Kimbal Thompson Architect

Camilla Blomqvist

cc: Wesley Obata,
Department of Design and Construction
City and County of Honolulu

46-160 NAHIKU STREET, KANEOHE, HAWAII 96744
(808) 236-1373 FACSIMILE: (808) 234-6484
E-MAIL: akimball@aol.com

LEWIS & CLARK
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809



PETER T. YOUNG
CHAIRMAN
BOARD OF LAND AND NATURAL RESOURCES
COMMISSIONER OF THE LAND AND NATURAL RESOURCES
LAND DIVISION
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCCUPANCY DIVISION
COMMISSIONER OF THE LAND AND NATURAL RESOURCES
CONSERVATION AND COASTAL LANDS
DIVISION
FORESTRY AND WILDLIFE
DIVISION
HONOLULU DISTRICT LAND OFFICE
STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

Ref. No.: OA-2003-005
Author: LD-PEM

COMMENTS

We confirm that the project site is located in Zone X (Not shaded). Zone X is an area determined to be outside the 500-year floodplain. The National Flood Insurance Program (NFIP) does not have any specific regulations for development within Zone X.

Should you have any questions, please call Mr. Andrew M. Monden of the Planning Branch at 587-0229.

OA-2003-005.RCH
LD-NAV

Arthur Kimbal Thompson Architect, AIA
Kimbal Thompson
46-160 Mahiku Street
Kaneohe, Hawaii 96744

Dear Mr. Thompson:

SUBJECT: Draft Environmental Assessment - Canoe Halaui at Waimanalo
Beach Park, Waimanalo, Koolaulapoko, Oahu - THK: 4-1-03: 16

Thank you for the opportunity to review and comment on the subject matter.

The Department of Land and Natural Resources' (DLNR) Land Division made available a copy of the DEA pertaining to the subject matter to the following DLNR Divisions for their review and comment.

- Division of Aquatic Resources
- Division of Forestry & Wildlife
- Engineering Division
- Land-Oahu District Land Office

Attached is a copy of the Engineering Division comment.

Based on the attached responses, the Department of Land and Natural Resources has no other comment to offer on the subject matter.

If you have any questions, please feel free to contact Nicholas A. Vaccaro of the Land Division Support Services Branch at 808-587-0384.

Very truly yours,

DIERDRE S. MAMIYA
Administrator

C: ODLO

MAY 23 2003
AKTA Ltd./

Signed: *Eric T. Hirano*
ERIC T. HIRANO, CHIEF ENGINEER

Date: 5/5/03

MAY 23 2003
AKTA Ltd./

LOCAL OFFICE
CONTACT



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

April 24 2003

Ref. No.: OA-2003-005
Author: LD-PEM

Suspense Date: May 9 2003

COMMISSIONER
BOARD OF LAND AND NATURAL RESOURCES
CLAY DAVENSON
DEPUTY DIRECTOR FOR LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR FOR
NATURAL RESOURCES
MANAGEMENT

ADJUTANT GENERAL
COMMISSION ON WATER RESOURCES
COMMISSION ON OCEAN RECREATION
COMMISSION ON LAND RESOURCES
COMMISSION ON HISTORIC PRESERVATION
COMMISSION ON STATE PARKS
COMMISSION ON LAND REFORM
COMMISSION ON LAND REVENUE
LAND DIVISION
STATE PARKS

MEMORANDUM



TO: Division of Aquatic Resources
 Division of Forestry & Wildlife
 Na Ala Hele Trails
 Division of State Parks
 Division of Boating & Ocean Recreation
 Commission on Water Resource Management
 Engineering Division

Land Division Branches:
Planning & Technical Services
 Oahu District Land Office

FROM: Charlene Unoki, Acting Assistant Administrator *Charlene Unoki*

SUBJECT: Draft Environmental Assessment - Canoe Halau at Waimanalo Beach Park, Waimanalo, Koolaupoko, Oahu, Tax Map Key: (1) 4-1-03:16

Please review the subject document covering the subject matter and submit your comments (if any) on Division letterhead signed and dated within the time requested above. Should you need more time to review the subject matter, please contact Nick Vaccaro at Ext. 7-0384.

If this office does not receive your comments on or before the suspense date, we will assume there are no comments. Thank you.

() We have no comments.

() Comments are attached.

Signed: *Charlene Unoki*
Date: 5-17-03

MAY 23 2003
AKTA Ltd./

LOCAL OFFICE
CONTACT



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

April 24 2003

Ref. No.: OA-2003-005
Author: LD-PEM

Suspense Date: May 9 2003

COMMISSIONER
BOARD OF LAND AND NATURAL RESOURCES
CLAY DAVENSON
DEPUTY DIRECTOR FOR LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR FOR
NATURAL RESOURCES
MANAGEMENT

ADJUTANT GENERAL
COMMISSION ON WATER RESOURCES
COMMISSION ON OCEAN RECREATION
COMMISSION ON LAND RESOURCES
COMMISSION ON HISTORIC PRESERVATION
COMMISSION ON STATE PARKS
COMMISSION ON LAND REFORM
COMMISSION ON LAND REVENUE
LAND DIVISION
STATE PARKS

MEMORANDUM

TO: Division of Aquatic Resources
 Division of Forestry & Wildlife
 Na Ala Hele Trails
 Division of State Parks
 Division of Boating & Ocean Recreation
 Commission on Water Resource Management
 Engineering Division

Land Division Branches:
Planning & Technical Services
 Oahu District Land Office

FROM: Charlene Unoki, Acting Assistant Administrator *Charlene Unoki*

SUBJECT: Draft Environmental Assessment - Canoe Halau at Waimanalo Beach Park, Waimanalo, Koolaupoko, Oahu, Tax Map Key: (1) 4-1-03:16

Please review the subject document covering the subject matter and submit your comments (if any) on Division letterhead signed and dated within the time requested above. Should you need more time to review the subject matter, please contact Nick Vaccaro at Ext. 7-0384.

If this office does not receive your comments on or before the suspense date, we will assume there are no comments. Thank you.

() We have no comments.

() Comments are attached.

Signed: *Charlene Unoki*
Date: 4-30-03

MAY 23 2003
AKTA Ltd./



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

April 24 2003

DAVID VALDES
DEPUTY DIRECTOR FOR LAND
ERNEST Y.W. LAU
DEPUTY DIRECTOR FOR
THE DIVISION OF LAND
RESOURCES MANAGEMENT

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
COMMISSION ON WATER RESOURCES
MANAGEMENT
CONSERVATION AND RESOURCES
DIVISION
FORESTRY AND WILDLIFE
HAWAIIAN FORESTRY
PRACTICE AND RESEARCH
COMMISSION
LAND
COMMISSION
TITLE PLANS

Ref. No.: OA-2003-005
Author: LD-PEM

Suspense Date: May 9 2003

MEMORANDUM

TO: Division of Aquatic Resources
 Division of Forestry & Wildlife
 Na Ala Hele Trails
 Division of State Parks
 Division of Boating & Ocean Recreation
 Commission on Water Resource Management
 Engineering Division

Land Division Branches:
Planning & Technical Services
 Oahu District Land Office

FROM: Charlene Unoki, Acting Assistant Administrator
SUBJECT: Draft Environmental Assessment - Canoe Halau at Waimanalo Beach Park, Waimanalo, Koolaupoko, Oahu, Tax Map Key: (1) 4-1-03:16

Please review the subject document covering the subject matter and submit your comments (if any) on Division letterhead signed and dated within the time requested above. Should you need more time to review the subject matter, please contact Nick Vaccaro at Ext. 7-0384.

If this office does not receive your comments on or before the suspense date, we will assume there are no comments. Thank you.

We have no comments.

Signed: *Michael G. Buck*
Date: _____

MICHAEL G. BUCK, ADMINISTRATOR
DIVISION OF FORESTRY AND WILDLIFE

MAY 23 2003
AKTA Ltd./

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Ms. Dieder S. Mamiya, Administrator
State of Hawaii
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

Dear Ms. Mamiya:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park, Tax Map Key: 4-1-003:016, Koolaupoko District, Oahu, Hawaii

Thank you for reviewing the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park and for your comments of May 21, 2003.

We acknowledge that the DLNR, Engineering Division confirms that the project site is located in Zone X, an area determined to be outside the 500-year floodplain and that the National Flood Insurance Program does not have any specific regulations for development within Zone X.

We appreciate your input to the environmental review process.

AKTA Ltd./Arthur Kimbal Thompson Archited

Camillo Blomqvist

cc: Wesley Obama,
Department of Design and Construction
City and County of Honolulu

46-160 NAHIKU STREET, KANEHOHE, HAWAII 96744
(808) 236-1373 FACSIMILE: (808) 234-4484
E-MAIL: kimbal@akta-ltd.com WEB: akta-ltd.com

ENCLOSURE
COUNTY OF HAWAII



GENEVEVE SALMONSON
DIRECTOR

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
1555 ALI'OLE DRIVE, SUITE 200
HONOLULU, HAWAII 96813
PHONE: (808) 586-2600
FAX: (808) 586-2601
WWW: <http://www.deq.hawaii.gov>

April 23, 2003

Timothy Steinberger, Acting Director
Department of Design & Construction
650 South King Street
Honolulu, Hawaii 96813

Attention: Wesley Obata

Dear Mr. Steinberger:

Subject: Draft Environmental Assessment (EA), Waimanalo Beach Park Canoe Halau

We have the following comments to offer:

Paving: A driveway leading to the halau is proposed. Hawaii Revised Statutes 103D-407 requires the use of recycled glass in paving materials whenever possible. For the text of this section of HRS contact our office for a paper copy or go to our website at: <http://www.state.hi.us/health/leg/guidance/index.html>.

Shoreline setback: The draft EA states that the halau is not in the setback. In Figure 14 or in a new figure, indicate where the setback boundary is in relation to the proposed halau site.

Tsunami inundation zone: What mitigation measures do you plan to offset the effects of a possible tsunami inundation?

Reclaimed water: We recommend the use of reclaimed, or at least non-potable, water for the canoe washdown.

Cultural impacts assessment: An analysis of impacts to local cultural practices by the proposed project is required by law. Section 3.3.5 of the draft EA states a portion of the process, but no concluding analysis is given. In the final EA fully describe the process of obtaining information on current cultural practices and the conclusions you have reached.

Terminology:

Section 2.4, *Technical Description*, states that the site will be "back-filled with select borrow." In the final EA define "select borrow."

Timothy Steinberger
April 23, 2003
Page 2

A proposed bathroom is mentioned in sections 3.3. (Socio Economic Environment), 4.1.6 (Hurricane Hazard), and 8 (Findings and Reasons Supporting the Anticipated Determination), criterion #11. If a bathroom is proposed in addition to the halau, submit a revised draft EA that fully describes both.

If you have any questions, call Nancy Heinrich at 585-4185.

Sincerely,

GENEVEVE SALMONSON
Director

c: Camilla Blomqvist, AKTA

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Ms. Genevieve Salmonson, Director
State of Hawaii
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, HI 96813

Dear Ms. Salmonson:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park,
Tax Map Key: 4-1-003.016, Koolapoko District, Oahu, Hawaii

We have reviewed your letter dated April 23, 2003 regarding the Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park and have the following responses.

1. **Paving.** The Department of Design and Construction will review and consider the sustainable building guidelines for this project. However, the use of glassphalt for the proposed paving within parks is not a City and County of Honolulu standard.
2. **Shoreline Setback.** Figure 14 in the Environmental Assessment will be revised to clearly indicate the shoreline setback boundary.
3. **Tsunami Inundation Zone.** The canoe halau will be located at an elevation 20.8 feet above mean sea level (MSL). The Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map designation of Zone X designates the new canoe halau to be outside of the 500-year flood plain. Planning and design for the project will comply with structural standards to mitigate any potential damages.
4. **Reclaimed Water.** There is no reclaimed or non-potable water available at the site. If made available in the future we will consider using it.
5. **Cultural Impact Assessment.** A concluding analysis will be provided in the Final Environmental Assessment, Section 3.3.5.
6. **Terminology.** The Final Environmental Assessment (FEA) will define "backfilled with select borrow." A bathroom is not proposed in addition to the canoe halau, the FEA will be revised to reflect this.

Thank for participating in the environmental review process.

AKTA Ltd./Arthur Kimbal Thompson Architect

Camilla Blomqvist

cc: Wesley Okala
Department of Design and Construction
City and County of Honolulu

46-160 NAHIKU STREET, KANEHOHE, HAWAII 96744
(808) 234-1373 FACSIMILE: (808) 234-4484
E-MAIL: akimball@aol.com

PHONE (808) 594-1888

FAX (808) 594-1885



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPOLIANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813

May 13, 2003

Arthur Kimball
AKTA Ltd/ Arthur Kimbal Thompson Architect, AIA
46-160 Nahiku St.
Kaneohe, HI 96744

Re: Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park, TMK
4-1-003-016, Ko'olaupoko District, Oahu, HI.

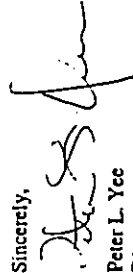
Dear Mr. Kimball,

OHA in is receipt of your April 16, 2003 request for comments on the above referenced project.

OHA concurs with the recommendations of the State Historic Preservation Division that an archaeological monitor be on site during ground excavation. The monitor should have the authority to stop all work should iwi or cultural deposits be found. We will rely on your assurances that in the event that iwi or cultural deposits are found, the appropriate agencies, including ours, will be contacted pursuant to applicable law.

Thank you for the opportunity to comment on this project. If you have further questions, please contact Pua Aiu at 594-1931 or e-mail her at pua@ohha.org.

Sincerely,


Peter L. Yee
Director
Nationhood and Native Rights

Nationhood and Native Rights

DATE: MAY 23 2003

MAY 23 2003

AKTA Ltd./

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Mr. Peter L. Yee, Director
Nationhood and Native Rights
Office of Hawaiian Affairs
State of Hawaii
711 Kapiolani Blvd., Suite 500
Honolulu, Hawaii 96813

Dear Mr. Yee:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park,
Tax Map Key: 4-1-003-016, Koolauopoko District, Oahu, Hawaii

Thank you for reviewing the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park and for your comments of May 13, 2003.

We acknowledge that OHA concurs with the State Historic Preservation Division that all ground disturbances be monitored by a qualified archeological monitor. The monitor will have the authority to stop all work in the event that iwi or cultural deposits are found and the appropriate agencies, including OHA, will be contacted.

We appreciate your input to the environmental review process.

AKTA Ltd./Arthur Kimbal Thompson Architect



Camilla Blomqvist

cc: Wesley Obata
Department of Design and Construction
City and County of Honolulu

46-160 NAHIKU STREET, KANEOHE, HAWAII 96744
(808) 236-1373 FACSIMILE: (808) 234-6484
E-MAIL: kimbal@akta-ld.com WEB: akta-ld.com

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843



May 2, 2003

RECEIVED

MAY 9 2003
AKTA Ltd./

Mr. Kimbal Thompson
AKTA Ltd./Arthur Kimbal
Thompson Architect, AIA
46-160 Nahiku Street
Kaneohe, Hawaii 96744

Dear Mr. Thompson:

Subject: Your Letter of April 16, 2003 on the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park. TMK: 4-1-3: 16

Thank you for the opportunity to review the subject document for the proposed storage facility.

The existing water system is presently adequate to accommodate the proposed project.

The availability of water will be confirmed when the building permit is approved. When water is made available, the applicant will be required to pay our Water System Facilities Charges for resource development, transmission and daily storage.

The proposed project is subject to Board of Water Supply Cross-Connection Control and Backflow Prevention requirements prior to the issuance of the Building Permit Applications.

If you have any questions, please contact Joseph Kaahua at 748-5442.

Very truly yours,

CLIFFORD S. JAMILE
Manager and Chief Engineer

JEREMY HARRIS, Mayor
EDGE FLORES, JR., Chairman
CHARLES A. STEWART, Vice-Chairman
JAN KELLY, AIA
HERBERT S. K. KAOPUA, SR.
DARLENE H. LESDINO

ROONEY K. HARAGA, E.O. 12812
LARRY J. LEOPARDO, E.O. 12812
CLIFFORD S. JAMILE
Manager and Chief Engineer
DONNA FAY K. KOYOSAKI
Deputy Manager and Chief Engineer

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Mr. Clifford S. Jamile, Manager and Chief Engineer
Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, Hawaii 96843

Dear Mr. Jamile:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park, Tax Map Key: 4-1-003-016, Koolauapoko District, Oahu, Hawaii

Thank you for reviewing the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park and for your comments of May 2, 2003.

We acknowledge that the existing water system is presently adequate to accommodate the proposed canoe halau and the availability of water will be confirmed when the building permit application is submitted to the Board of Water Supply for review and approval.

The Department of Design and Construction will comply with the applicable Water System Facility Charges for resource development, transmission and daily storage.

The project will comply with the requirements of the Board of Water Supply Cross-Connection Control and Backflow Prevention prior to issuance of the building permit.

Thank you for participating in the environmental review process.

Thank You.

AKTA Ltd./Arthur Kimbal Thompson Architect

Camilla Blomqvist

cc: Wesley Obata,
Department of Design and Construction
City and County of Honolulu

46-160 NAHIKU STREET, KANEOHE, HAWAII 96744
(808) 236-1373 FACSIMILE: (808) 234-6484
E-MAIL: kimbal@akta-ld.com WEB: akta-ld.com

DEPARTMENT OF PARKS AND RECREATION
CITY AND COUNTY OF HONOLULU
1000 ULUOAHIA STREET, SUITE 103 • KAPOLEI, HAWAII 96707
TELEPHONE: (808) 452-5561 • FAX: (808) 452-5131 • INTERNET: WWW.PARKS.HONOLULU.HI



JEREMY HARRIS
MANAGER

WILLIAM D. BALFOUR, JR.
DIRECTOR
EDWARD T. SHIRAZI, DAZ
SENIOR DIRECTOR

May 8, 2003

Ms. Camilla Blomqvist
AKTA Ltd./Arthur Kimbal Thompson Architect, AIA
46-160 Nahiku Street
Kaneohe, Hawaii 96744

Dear Ms. Blomqvist:

Subject: Draft Environmental Assessment (DEA)
Canoe Halau at Waimanalo Beach Park
Tax Map Key: 4-1-003-016
Koolauopoko District, Oahu, Hawaii

WDB:mk

MAY 12 2003

AKTA Ltd./

Thank you for the opportunity to review and comment on the Draft Environmental Assessment relating to the Canoe Halau at Waimanalo Beach Park.

The Department of Parks and Recreation supports the development of a Canoe Halau at this beach park. We recommend the proposed improvements be designed in such a way as to retain the popular camping area to the greatest extent possible.

Should you have any questions, please contact Mr. John Reid, Planner, at 692-5454.

Sincerely,

WILLIAM D. BALFOUR, JR.
Director

WDB:mk (J. Reid, ESO)
(2/176)

cc: Mr. Don Griffin, Department of Design and Construction
Mr. Wesley Obata, Department of Design and Construction

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Mr. William D. Balfour, JR., Director
City and County of Honolulu
Department of Parks and Recreation
Kapolei Hale
1000 Ulukouia Street, Suite 309
Kapolei, Hawaii 96707

Dear Mr. Balfour:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park,
Tax Map Key: 4-1-003-016, Koolauopoko District, Oahu, Hawaii

Thank you for reviewing the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park and for your comments of May 8, 2003.

We note that the Department of Parks and Recreation (DPR) supports the development of a Canoe Halau at the Waimanalo Beach Park. We acknowledge that DPR recommends that the improvements are designed to retain the camping area to the greatest extent possible. The Canoe Halau is sited to minimize impact on the existing camp grounds while meeting the design program requirements.

We appreciate your input to the environmental review process.

AKTA Ltd./Arthur Kimbal Thompson Architect

Camilla Blomqvist

cc: Wesley Obata,
Department of Design and Construction
City and County of Honolulu

46-160 NAHIKU STREET, KANEOHE, HAWAII 96744
(808) 236-1373 FACSIMILE: (808) 234-6484
E-MAIL: kimbal@akta-ltd.com WEB: akta-ltd.com

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

1435 SOUTH KING STREET - HONOLULU, HAWAII 96813
TELEPHONE: (808) 923-2414 - FAX: (808) 923-6233 - INTERNET: WWW.CC.HONOLULU.HI



JEROME HARRIS
MAYOR

ERIC CRISPIN, AIA
DIRECTOR
BARBARA KIM STANTON
DEPUTY DIRECTOR
2003/ELOG-1453 (DT)

May 12, 2003

RECEIVED

MAY 13 2003

AKTA Ltd./

Mr. Arthur Kimbal Thompson, AIA
46-160 Nahiku Street
Kaneohe, Hawaii 96744

Dear Mr. Thompson:

Waimanalo Beach Park Canoe Halau
Tax Map Key: 4-1-3: 16

This is in response to your letter dated April 16, 2003, requesting comments on the Draft Environmental Assessment (EA) for a new canoe halau at Waimanalo Beach Park. We have the following comments:

Zoning Regulations and Permits Branch

1. Waimanalo Beach Park is within the Special Management Area. Thus, the project requires a Special Management Area Use Permit (SMP).
2. Page 17 of the EA states that the entire parcel is within (Flood) Zone X; however, this statement is incorrect. The parcel is also within Flood Zone VE. This section should state whether the halau site is within Flood Zone X or VE.
3. The EA includes photographs of the project site. However, these photos should include a photosimulation of the halau. We suggest including the following "photosimulated" views:
 - a. Traveling on Kalaniana'ole Highway to Kailua; and
 - b. Traveling along Kalaniana'ole Highway to Hawaii Kai.

Mr. Arthur Kimbal Thompson
Page 2
May 12, 2003

All photographs should be labeled and keyed to a general site map.

4. Wastewater is mentioned under Section 4.5, "Public Utilities and Services." Please expand this section to include the number of comfort stations on the site and whether the site is connected to the City sewer line or utilizes a cesspool or septic tank system.
 5. What is the distance of the halau to the shoreline? A current certified shoreline survey will be required if any grading or any portion of the halau is less than 55 feet from the shoreline. A shoreline setback variance will be required if any portion of the canoe halau or grading is less than 40 feet from the shoreline.
 6. The park is zoned P-2 General Preservation District. The front yard setback is 30 feet, and the maximum height is 25 feet. A waiver will be required if any portion of the canoe halau encroaches into the front yard setback, encroaches into a height setback, or exceeds the permitted height.
 7. Page 27 of the EA states there are 27 parking stalls and two ADA stalls. Canoe halaus are treated as boat launching ramps for off-street parking purposes, and require 10 parking spaces. The EA should state whether the existing parking spaces at the park are adequate for the existing uses and the new halau. A waiver to allow a canoe halau with less than the minimum required off-street parking spaces may be required if there are insufficient parking spaces.
 8. The Final EA should describe how much (in cubic yards) clearing, grubbing, and grading will be done prior to construction of the halau.
- Please contact Dana Teramoto of our staff at 523-4648 if you have any questions regarding the above comments.

Mr. Arthur Kimbal Thompson
Page 3
May 12, 2003

Policy Planning Branch

1. The proposed project is consistent with the General Plan and Koolaupoko Sustainable Communities Plan.
2. The proposed project is not a type of facility that requires a Public Infrastructure Map (PIM) revision. Therefore, a revision to the Koolaupoko PIM is not necessary.

Please contact Timothy Hata at 527-6070, should you have any questions regarding the above comments.

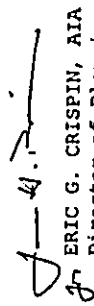
Civil Engineering Branch

1. Is the proposed "minor finish grading" work mentioned on Page 7 exempt from obtaining a grading permit? Please refer to Sec. 14-13.5 of the Revised Ordinances of Honolulu for work that is exempt from obtaining a grading permit.

Please contact Don Fujii at 527-7320, should you have any questions regarding the above comment.

Thank you for the opportunity to review the DEA.

Sincerely yours,


ERIC G. CRISPIN, AIA
Director of Planning
and Permitting

EGC:pl

cc: Dept. of Design and Construction (Wes Obata)
Civil Eng. Branch
Planning Div.
OEQC

Doc 211314

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

June 10, 2003

Mr. Eric G. Cripin, AIA, Director
City and County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, Hawaii 96813

Dear Mr. Cripin:

Subject: Draft Environmental Assessment (DEA) for Canoe Halau at Waimanalo Beach Park,
Tax Map Key: 4-1-003:016, Koolauopoko District, Oahu, Hawaii

Thank you for reviewing the Draft Environmental Assessment for Canoe Halau at Waimanalo Beach Park and for your comments of May 12, 2003.

Zoning Regulations and Permits Branch

1. We acknowledge that a Special Management Area Use permit is required.
2. We acknowledge that Waimanalo Beach Park is located within Flood Zone X and Flood Zone VE. The flood zone information will be revised in the Final Environmental Assessment.
3. A three dimensional photo simulation presentation of the canoe halau will not be included in the Final Environmental Assessment. All photographs will be labeled and keyed to a general sitemap. This information will be included in the Final Environmental Assessment.
4. There are two existing comfort stations at the beach park and they both utilize septic tank systems. This information will be included in the Final Environmental Assessment.
5. The canoe halau is located more than 200 feet from the shoreline. A shoreline setback variance will not be required.
6. The canoe halau does not encroach into the 30 feet front yard setback. The closest portion of the canoe halau is located 3.5 feet from the property line. The height of the canoe halau is 24 feet tall and it does not exceed the maximum height limit of 25 feet.
7. The existing parking spaces are adequate for the existing uses and the new halau. This information will be included in the Final Environmental Assessment.
8. Clearing and grubbing is typically quantified as an area rather than a volume. There will be 790 square yards of clearing and grubbing. Grading (excavation + embankment) = 435 + 70 = 505 cubic yards. This information will be included in the Final Environmental Assessment.

Policy Planning Branch

1. We acknowledge that the proposed project is consistent with the General Plan and Koolauopoko Sustainable Communities Plan.

Mr. Cripin
Page 2
June 10, 2003

2. We acknowledge that it is not necessary with a revision to the Koolauopoko Public Infrastructure Map.

Civil Engineering Branch

1. A grading Permit will be required and a grading permit application will be submitted at the end of the SMA process.

We appreciate your input to the environmental review process.

AKTA Ltd./Arthur Kimbal Thompson Architect



Camilla Blomqvist

cc: Wesley Obata,
Department of Design and Construction
City and County of Honolulu

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APPENDIX

Historic Preservation review correspondence:

Letter from AKTA Ltd. to Mr. Don Hibbard, Department of Land and Natural Resources, Historic Preservation Division, dated December 5, 2002.

Letter from Department of Land and Natural Resources, Historic Preservation Division to AKTA Ltd., dated January 6, 2003.

National Marine Fisheries Service correspondence:

Letter from AKTA Ltd. to Mr. David Nichols, National Marine Fisheries Service, dated December 6, 2002

Letter from National Marine Fisheries Service to AKTA Ltd., dated January 7, 2003

Waimanalo Neighborhood Board No. 32 correspondence:

Letter from AKTA Ltd. to Mr. Wilson Ho, Waimanalo Neighborhood Board, dated January 3, 2003.

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

December 5, 2002

Mr. Don Hibbard, Administrator
State Historic Preservation Division
Department of Land and Natural Resources
Kakuhihewa Building
601 Kamokila Boulevard, Room 555
Kapolei, Hawaii 96707

Dear Mr. Hibbard:

Subject: Waimanalo Canoe Halau At Waimanalo Beach Park, Koolaupoko, Oahu, Hawaii
41-741 Kalaniana'ole Highway
TMK: 4-1-003:016

We have been consulted by the City & County of Honolulu, Department of Design and Construction to prepare an environmental assessment for a new Canoe Halau at Waimanalo Beach Park. The 33 acre beach park is located between Kalaniana'ole Highway and the ocean, the project location is at the site of the former caretakers cottage at the camping grounds. This project is intended to provide a canoe storage facility for Waimanalo Canoe Club.

We would appreciate your assistance in identifying previously discovered historic remains on or in the vicinity of this site. An Internet search of SHPD's library yielded two prior archeological assessments in this area:

Attached find a TMK Map and Proposed Site Plan (A-1 and C-3) for your use.

Please don't hesitate to call if you need further information.

Thank You.

AKTA Ltd./Arthur Kimbal Thompson Architect



Camilla Blomqvist

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LINDA LINGLE
GOVERNOR OF HAWAII



ERIC HIRANO, ACTING DIRECTOR
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCES MANAGEMENT

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION
KAKUHIHEWA BUILDING, ROOM 555
601 KAMOKILA BOULEVARD
KAPOLEI, HAWAII 96707

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
COMMISSION ON WATER RESOURCE
MANAGEMENT
CONSERVATION AND RESOURCES
ENFORCEMENT
CONVEYANCES
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND
STATE PARKS

January 6, 2003

Camilla Blomqvist
AKTA Ltd.
46-160 Nahiku Street
Kaneohe, Hawaii 96744

LOG NO: 31322
DOC NO: 0212EJ10

Dear Ms. Blomqvist:

SUBJECT: Chapter 6E-8 Historic Preservation Review -Pre -Environmental Assessment
(EA) Consultation for the City and County of Honolulu Department of
Design and Construction Proposed Canoe Halau at Waimanalo Beach Park,
O`ahu
Waimanalo, Ko`olaupoko, O`ahu
TMK: 4-1-003:016

Thank you for the opportunity to comment during the pre-EA phase on the proposed canoe *halau* at Waimanalo Beach Park. Our review is based on historic maps, aerial photographs, reports, and records maintained at the State Historic Preservation Division; no field inspection was made of the subject parcel. Ground disturbance is anticipated for the *halau* construction, utility installation including new water lines, access improvements and landscaping including the removal of coconut trees. Expected disturbance will be up to two to three feet in depth for waterline installation.

We previously commented on the construction of a canoe *halau* parcel at the Kaiona Beach Park section of this parcel in June and July 2001 (SHPD Logs 27725, 27843). Our comments for this new location of the canoe *halau* remain the same as those for the Kaiona Beach Park parcel. A review of our records shows that there are no known historic sites at the project location. According to the US Department of Agriculture's soil surveys maps, the project area is underlain by Jaucas Sands, which are known to contain cultural layers and human burials. We also have records of an inadvertent discovery of a human burial from the shoreline approximately 600 yards to the west of the current project location as well as elsewhere in Waimanalo. Thus, construction of the canoe *halau* and associated improvements may have an "adverse effect" on significant historic sites which may be present in the sand deposits

In view of these facts, we recommend that all ground disturbing work be monitored on-site by a qualified archaeologist in accordance with an approved monitoring plan. Monitoring will enable the identification, documentation, and appropriate treatment of any historic sites that may be adversely affected by the project.

Camilla Blomqvist
Page Two

An acceptable archaeological monitoring plan will have the following components.

(1) The kinds of remains that are anticipated and where in the construction area the remains are likely to be found; 2) how the remains and deposits will be documented; 3) how the expected types of remains will be treated; 4) the archaeologist conducting the monitoring has the authority to halt construction in the immediate area of a find in order to carry out the plan; 5) a coordination meeting between the archaeologist and construction crew is scheduled, so that the construction team is aware of the plan; 6) what laboratory work will be done on remains that are collected; 7) a schedule for report preparation; and 8) details concerning the archiving of any collections that are made.

The plan should make clear that, if any archaeological properties (remains) are encountered during the course of monitoring, all construction activities in the immediate area shall be temporarily halted. The monitor shall initially record the remains, so context is clear and significance proposals can be made. The monitor shall then notify the State Historic Preservation Division, contacting the Division's Archaeology Branch to discuss the context and agree upon the find's significance. If the find is a human burial, the Division's Burial Sites Program shall also be notified. Mitigation needs (as appropriate) for non-burial sites will be discussed and resolved with the Archaeology Branch, and treatment of burials will be discussed and resolved with the Burial Sites Program.

Should you have any questions about archaeology, please feel free to call Sara Collins at 692-8026 or Elaine Jourdane at 692-8027. Should you have any questions about burial or cultural matters, please feel free to contact Kai Markell at 587-0008.

Aloha,

P. Holly McEldowney

P. Holly McEldowney, Acting Administrator
State Historic Preservation Division

EJ:jk

c: Mr. A- Van Horn Diamond, Chair, O'ahu Island Burial Council
Mr. Kai Markell, Burial Sites Program

AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

December 6, 2002

National Marine Fisheries Service
2570 Dole Street
Honolulu, HI 96822

To Whom It May Concern:

Subject: Waimanalo Canoe Halau At Waimanalo Beach Park, Koolaupoko, Oahu, Hawaii
41-741 Kalaniana'ole Highway
TMK: 4-1-003:016

We have been consulted by the City & County of Honolulu, Department of Design and Construction to prepare an environmental assessment for a new Canoe Halau at Waimanalo Beach Park. This project is a result of the Ko'olaupoko vision team and is intended to serve as a canoe storage facility for the Waimanalo Canoe Club.

We are requesting a species and habitats lists for Waimanalo Beach Park and we are sending attached documents for your information: TMK Map
Proposed Site Plan.
Plan, Section and Elevations

Please let me know if you need additional information.

Thank You.

AKTA Ltd./Arthur Kimbal Thompson Architect



Camilla Blomqvist for A. Kimbal Thompson

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UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Region / Pacific Islands Area Office
1601 Kapiolani Boulevard, Suite 1110
Honolulu, Hawaii 96814-0047

January 7, 2002

AKTA Ltd.
46-160 Nahiku St.
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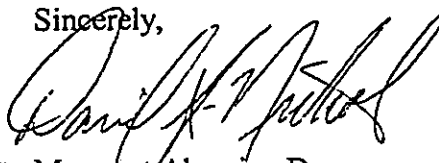
ATTN: Camilla Blomqvist,

This responds to your request received on December 20, 2002, for a list of threatened and endangered species under the jurisdiction of the National Marine Fisheries Service (NOAA Fisheries) that may be found in the Waimanalo Beach Park area. We provide the following information under our statutory authorities under the Endangered Species Act of 1973, as amended, 16 U.S.C. 1531 *et seq.*, and the Marine Mammal Protection Act of 1972, as amended 16 U.S.C. 1361 *et seq.* (MMPA).

Threatened green turtles (*Chelonia mydas*), and endangered hawksbill turtles (*Eretmochelys imbricata*) occur in the waters around Oahu. Green turtles may also be found on the beaches of Waimanalo Beach Park. Endangered Hawaiian monk seals (*Monachus schauinslandi*) are also found in the nearshore waters and beaches of Oahu and could potentially be found in the project area.

Should you have further questions regarding protected species in Hawaiian waters under the jurisdiction of NOAA Fisheries and/or the section 7 process, please contact David Nichols or Margaret Dupree at (808) 973-2937 or fax (808) 973-2941.

Sincerely,


For Margaret Akamine Dupree
Protected Species Program



AKTA Ltd./ARTHUR KIMBAL THOMPSON ARCHITECT, AIA

January 3, 2003

Wilson Kekoa Ho, Chair
Waimanalo Neighborhood Board No. 32
c/o Neighborhood Board Commission
City Hall, Room 400
Honolulu, Hawaii 96813

Via Facsimile @ (808) 527-5760

PROJECT: Canoe Halau at Waimanalo Beach Park

Dear Mr. Ho:

During our research for the Canoe Halau at Waimanalo Beach Park January 2002 Draft EA, we have contacted the Waimanalo Vision Team regarding cultural or religious activities at the beach park. According to them no known such activities take place at the beach park. Please let us know if you have any additional information or knowledge regarding this matter.

Thank You.

AKTA Ltd./Arthur Kimbal Thompson Architect



Camilla Blomqvist

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