

OR

DEPARTMENT OF DESIGN AND CONSTRUCTION  
**CITY AND COUNTY OF HONOLULU**

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RECEIVED

JEREMY HARRIS  
MAYOR



'03 AUG -1 P3:00  
TIMOTHY E. STEINBERGER, P.E.  
DIRECTOR

OFFICE OF ENVIRONMENT/  
QUALITY CONTROL

August 1, 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 (EA) for Canoe Halau at  
Nanakuli Beach Park; Tax Map Key: 8-9-001: 002; Nanakuli, Oahu, Hawaii

The Department of Design and Construction (DDC), City and County of Honolulu, has reviewed the comments received during the 30-day public comment period, which began on May 23, 2003. The DDC has determined that this project will not have any significant environmental effects and has issued a "Finding of No Significant Impact." Please publish this notice in the August 23, 2003, OEQC Environmental Notice.

We have enclosed a completed OEQC Publication Form and four copies of the final EA.

Please call Mr. Taeyong Kim, project's environmental consultant, at 528-4661 or Mr. Wesley Obata, DDC/Facilities Division, at 523-4783, if you have any questions.

Very truly yours,

Handwritten signature of Timothy E. Steinberger in black ink.

TIMOTHY E. STEINBERGER, P.E.  
Director

TES:gt

Enclosures

2003-08-23-UA-FA

Final Environmental Assessment

AUG 23 2003

FILE COPY

(NANAKULI BEACH PARK CANOE)

Canoe Halau at Nanakuli Beach

Nanakuli, Oahu, Hawaii

Prepared Pursuant to Chapter 25  
Revised Ordinances of Honolulu

Department of Design and Construction  
City and County of Honolulu

August 2003

**Final Environmental Assessment  
Canoe Halau at Nanakuli Beach Park  
Waianae, Oahu, Hawaii**

**Prepared for**

**City and County of Honolulu  
Department of Design and Construction  
650 South King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813**

**Prepared by**

**Paul S. Osumi Jr., AIA, Inc. and  
Environmental Communications, Inc.**

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## APPENDICIES

**Appendix A** Archaeological Monitoring Plan prepared by Aki Sinoto Consulting

**Appendix B** Letter from the Historic Preservation Division dated May 29, 2003

## I. PROJECT SUMMARY

**APPLICANT:** Dept. of Design and Construction  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

**CONSULTANT:** Paul S. Osumi Jr., AIA, Inc.  
700 Bishop Street, Suite 228  
Honolulu, Hawaii 96813

**ENVIRONMENTAL CONSULTANT:** Environmental Communications, Inc.  
1188 Bishop Street, Suite 2210  
Honolulu, Hawaii 96813

**PROJECT NAME:** Canoe Halau at Nanakuli Beach Park

**PROJECT LOCATION:** Nanakuli Beach Park  
Nanakuli, Oahu, Hawaii

**TAXMAPKEY/ OWNERSHIP:** 8-9-001: 002 City and County of Honolulu and  
State of Hawaii

**LOT AREA:** 30.001 acres

**ZONING:** P-2, General Preservation

**DEVELOPMENT PLAN:** Parks and Recreation

**DEVELOPMENT PLAN AREA:** Waianae

**STATE LAND USE:** Urban

**CURRENT LAND USE:** The proposed project will be located on open space in the southern makai portion of the existing City and County of Honolulu Nanakuli Beach Park. The area proposed for the canoe halau is located on a relatively flat portion of the site and will not require extensive clearing or grading.

**NATURE OF DEVELOPMENT:** The proposed canoe halau consists of a simple concrete and stone structure that will be used for canoe storage. The platform for the structure is approximately 64 feet square in plan while the structure itself is approximately 48 feet by 60 feet in

plan. A simple peaked monier tile roof reaching approximately 24 feet in height covers the structure. The structure will be constructed with concrete walls on two opposing sides while metal fencing and gates will secure the remaining sides.

Vehicular access to the facility will be provided by an existing access road, which terminates approximately 25-feet from the structure. The gated western end of the halau will provide convenient access to the beach.

General roadway improvements are also planned for the Nanakuli Beach Park and are subject of a Final Environmental Assessment that was published and issued a Finding of No Significant Impact in February of 2003.

**PROJECT COST:**

The total cost of the proposed improvements is approximately \$550,000. The scope of work will be conducted in a single continuous phase.

## **II. PROPOSED PROJECT AND STATEMENT OF OBJECTIVES**

### **A. Project Location**

The proposed improvements are located on the existing Nanakuli Beach Park, Nanakuli, Oahu, Hawaii. The project site is also identified as TMK: 8-9-001: 002

The project parcel consists of lands located east, south and west of the Nanaikapono Elementary and Intermediate School. This continuous shoreline parcel includes sandy beach areas east and westerly of the school site. The shoreline are fronting the school parcel is rocky and is not park of the school site. The sandy area west of the school site is known as Ulehawa Beach Park and the sandy area east of the school is known as Nanakuli Beach Park.

The specific project area within the beach park is located along the eastern-most end of the beach park parcel known as Nanakuli Beach Park. The halau site presently consists of a flat open area. The park is accessed via Farrington Highway to the north.

### **B. Project Description**

#### **1. Canoe Halau Improvements**

The proposed canoe halau consists of a simple concrete and stone structure that will be used for canoe storage. The platform for the structure is approximately 64 feet square in plan while the structure itself is approximately 48 feet by 60 feet in plan. A simple peaked monier tile roof reaching approximately 24 feet in height covers the structure. The structure will be constructed with concrete walls on two opposing sides while metal fencing and gates will secure the remaining sides.

Vehicular access to the facility will be provided by an existing access road, which terminates approximately 25-feet from the structure. The gated western end of the halau will provide convenient access to the beach.

#### **2. Other Beach Park Improvements Not Included in Project Scope**

Other Nanakuli Beach Park improvements that are subject of a separate City and County of Honolulu project, which was previously assessed and issued a Finding of No Significant, include the following.

- Reconstruction of all paved areas
- Improved access and security to overflow parking and provision handicap parking stalls and walkway

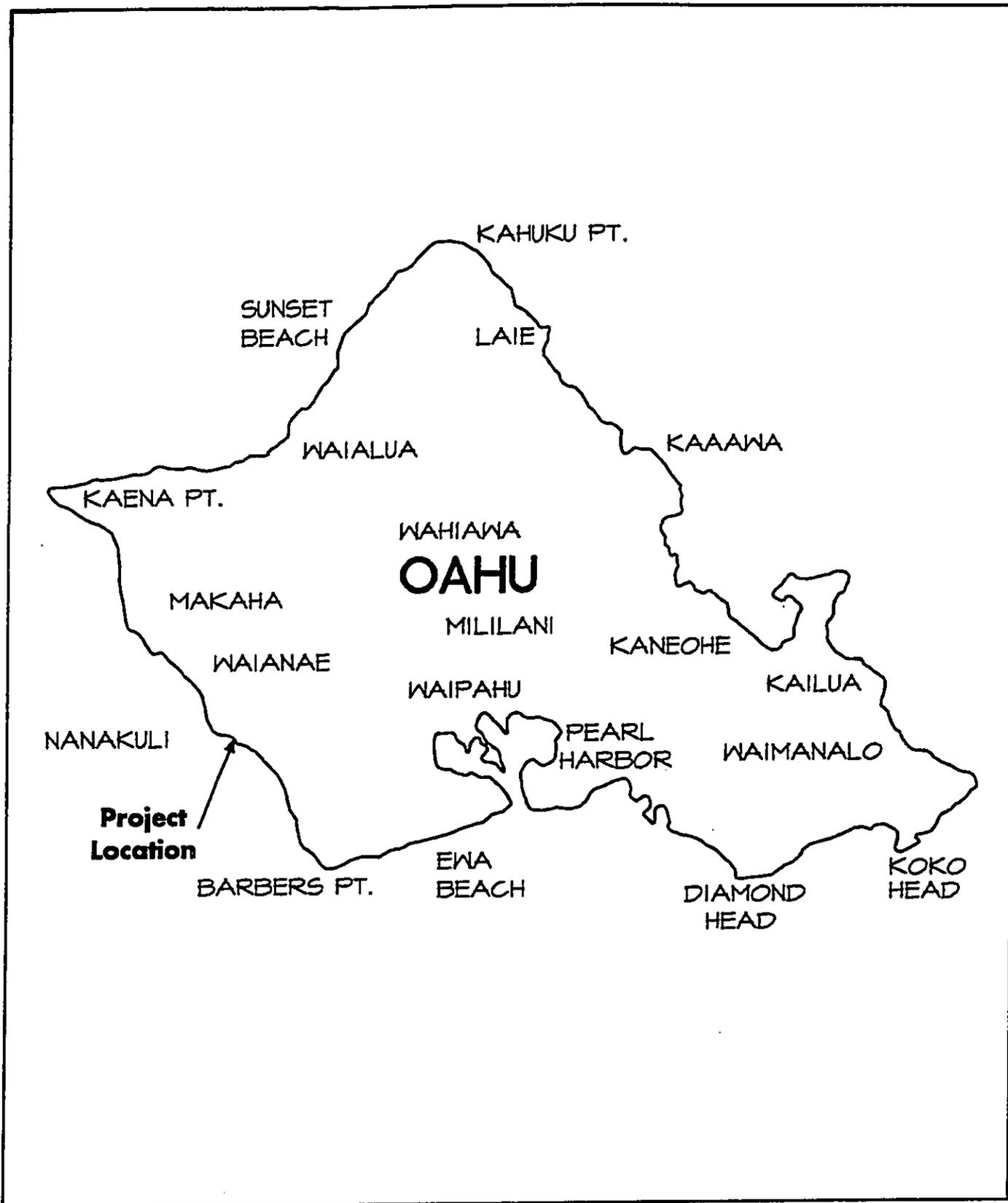
- Repair fencing along railway
- Repair rock wall and install barrier to prevent vehicular access to the beach
- Speed Bumps to slow traffic through park
- Rock wall repairs and addition of wheel stops
- Pave dirt parking area
- Chain gate to restrict automobile access to the beach
- Reconstruct horseshoe pitching area

As previously stated, the above listed improvements are subject to an environmental assessment titled *Final Environmental Assessment, Nanakuli Beach Park Improvements* which was issued a Finding of No Significant Impact in February of 2003.

**C. Project Objective**

The proposed improvements are intended to provide a safe storage and meeting area for the numerous canoe clubs using the Nanakuli Beach Park as a launching and meeting site. This simple structure will be secured between practice periods to protect the valuable canoes from theft and vandalism. Racks provided within the shelter maximize capacity. The structure will be durably constructed to ensure a long useful life for the facility.

This improvement will significantly improve the desirability of the site and will transform the Nanakuli Beach Park into a new community centerpiece.



**Canoe Halau at Nanakuli Beach Park**



**Figure 1  
Vicinity Map**

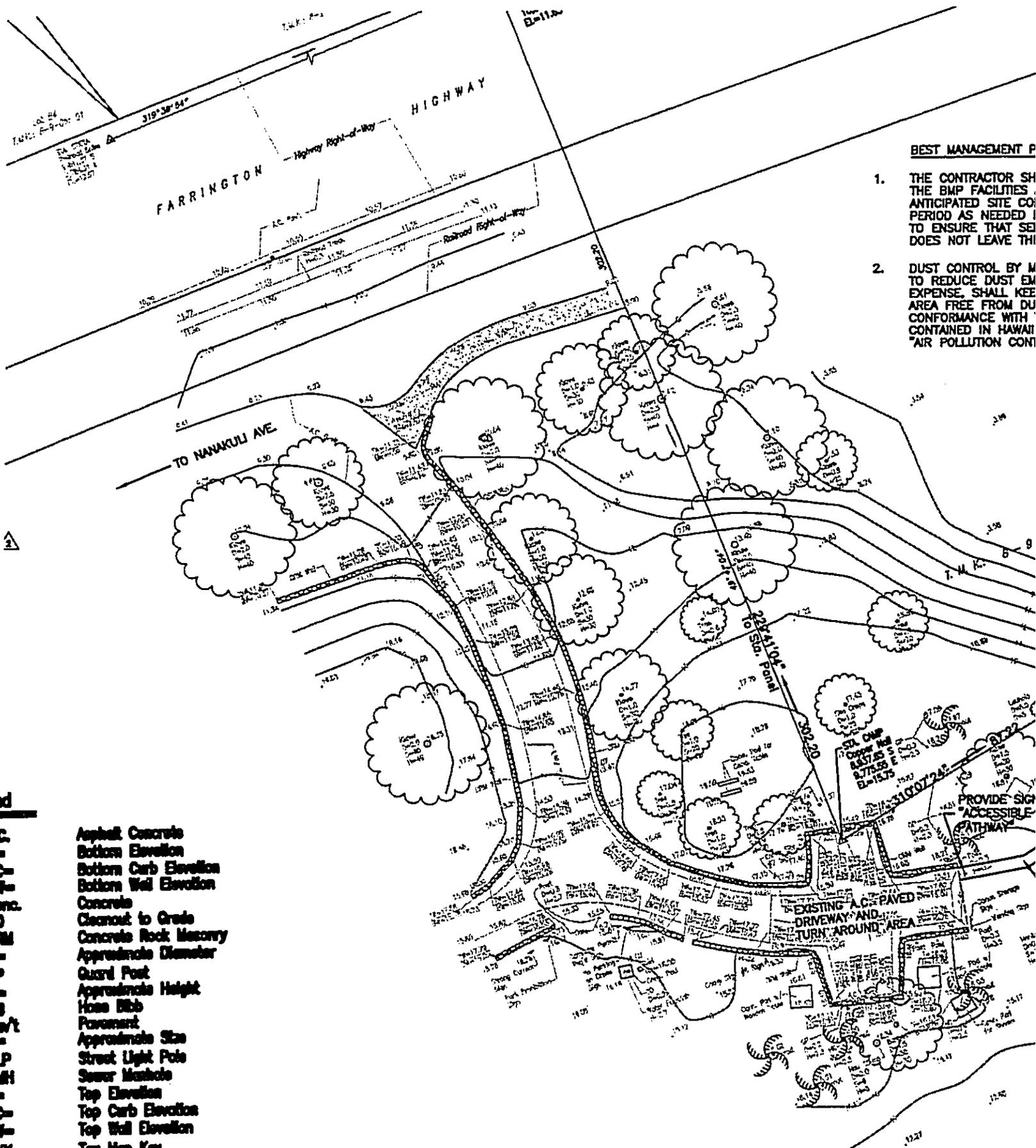
Environmental Communications, Inc.

Not to scale

Source: Engineers Surveyors Hawaii, Inc.



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## Legend

- A.C. Asphalt Concrete
- B= Bottom Elevation
- BC= Bottom Curb Elevation
- BE= Bottom Wall Elevation
- Conc. Concrete
- CG Cleanout to Grade
- CRM Concrete Rock Masonry
- D= Approximate Diameter
- GP Guard Post
- H= Approximate Height
- HB Hose Bibb
- P= Pavement
- S= Approximate Size
- SLP Street Light Pole
- SMH Sewer Manhole
- T= Top Elevation
- TC= Top Curb Elevation
- TW= Top Wall Elevation
- T&M Key Tax Map Key
- W/W Walkway

## BEST MANAGEMENT PRACTICES

1. THE CONTRACTOR SHALL PROVIDE THE BMP FACILITIES AT THE ANTICIPATED SITE CONSTRUCTION PERIOD AS NEEDED TO ENSURE THAT SEDIMENT DOES NOT LEAVE THE SITE.
2. DUST CONTROL BY MEANS OF WATER APPLICATION TO REDUCE DUST EMMISSIONS AT ALL TIMES AT THE EXPENSE OF THE CONTRACTOR SHALL KEEP THE AREA FREE FROM DUST AND IN CONFORMANCE WITH THE REQUIREMENTS CONTAINED IN HAWAIIAN AIR POLLUTION CONTROL REGULATIONS.

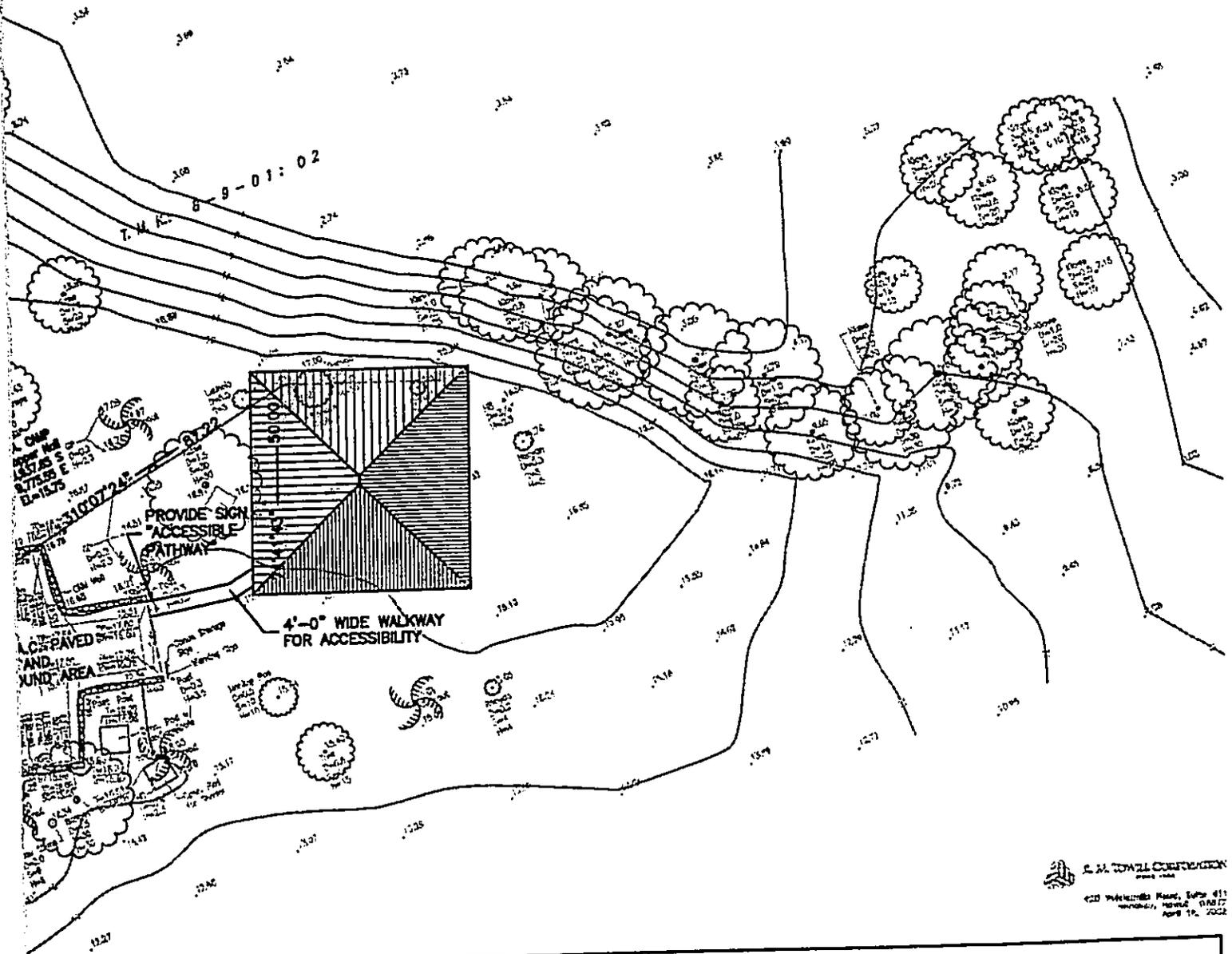
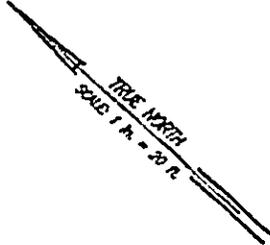
Canoe Halat

Environment

*Topographic Survey of*  
**PORTION OF NANAKULI BEACH PARK**  
 At Nanakuli, Oahu, Hawaii  
 Tax Map Key: 8-9-01: 02 (1st Division)

**BEST MANAGEMENT PRACTICES (BMP)**

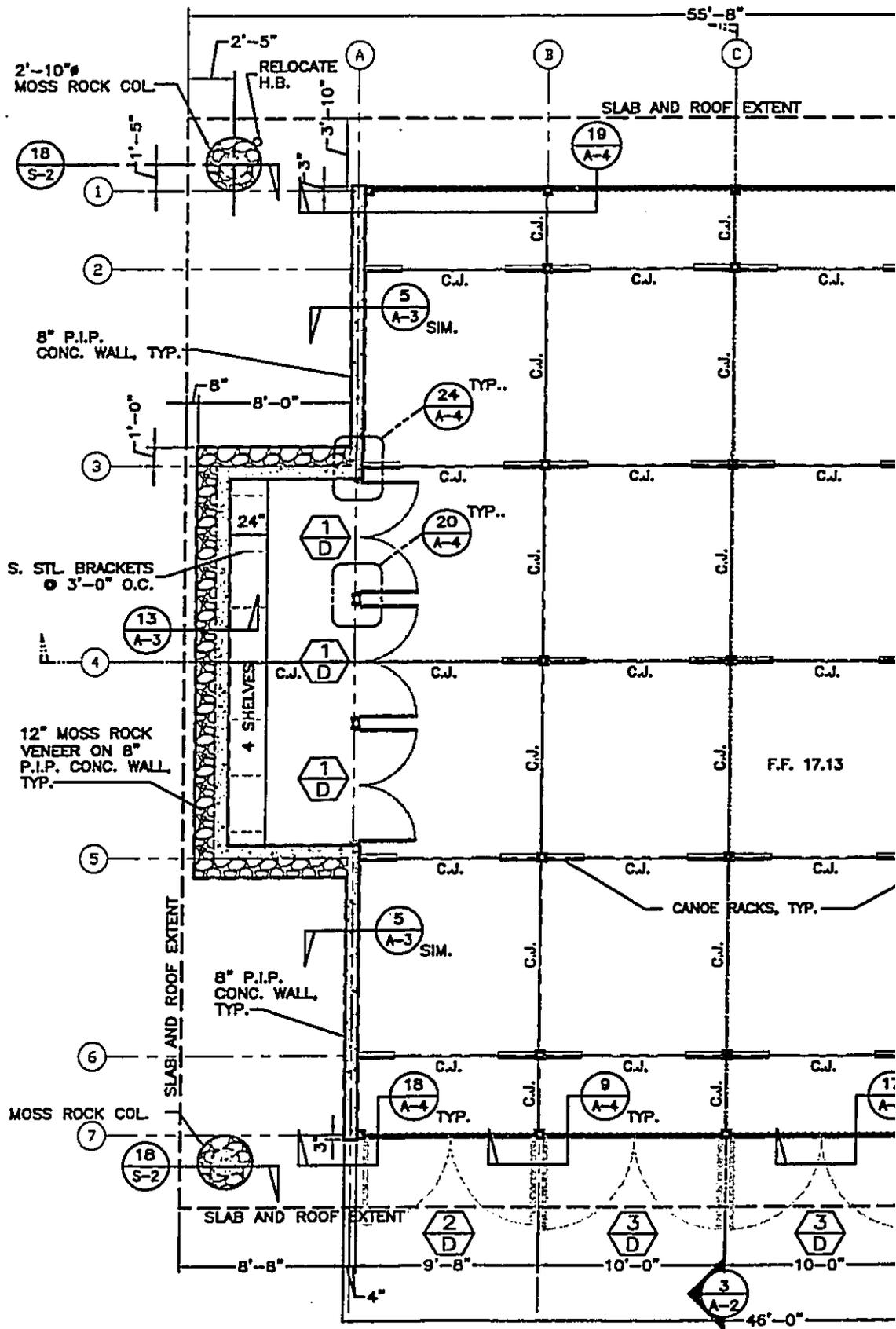
1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DESIGN/BUILD THE BMP FACILITIES ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS DURING THE CONSTRUCTION PERIOD AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE PROJECT LIMITS
2. DUST CONTROL BY MEANS OF WATERING SHOULD BE APPLIED TO REDUCE DUST EMISSIONS. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES: CHAPTER 11-60, "AIR POLLUTION CONTROL".



**P. M. DOWELL CORPORATION**  
 420 WAIKIKOLE ROAD, SUITE 411  
 HONOLULU, HAWAII 96817  
 APRIL 17, 2002

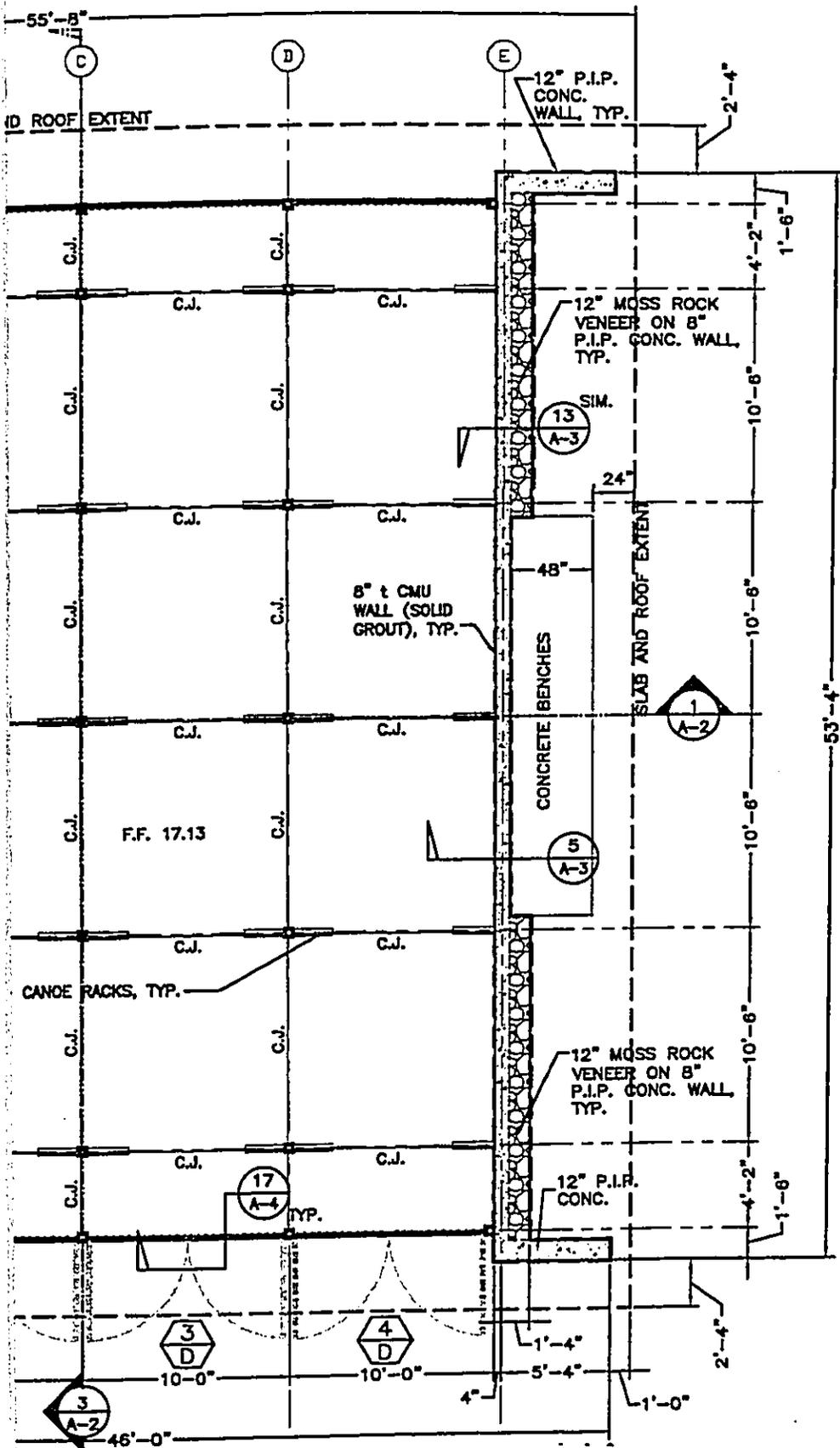
**Canoe Halau at Nanakuli Beach Park**  
**Figure 3**  
**Site Plan**  
 Scale: 1" = 20'  
 Environmental Communications, Inc.  
 Source: Paul S. Osumi Jr., AIA, Inc.

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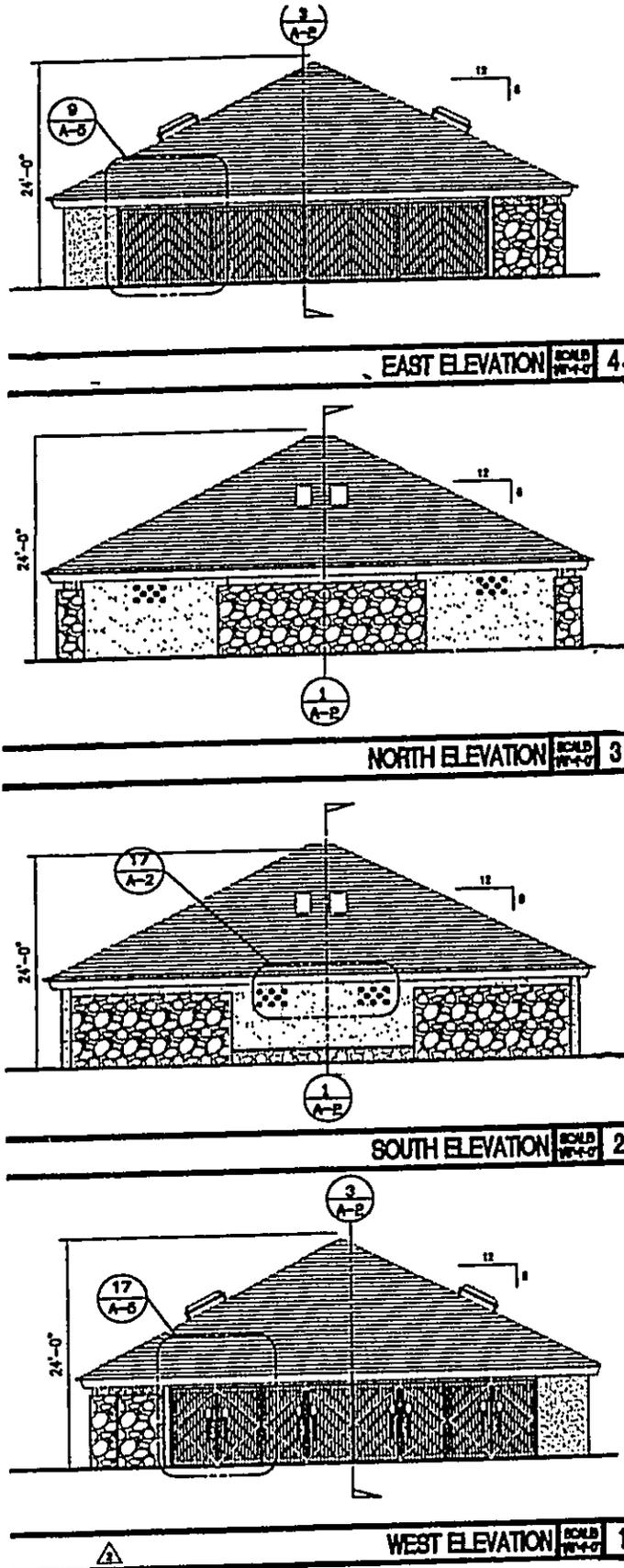
Canoe Hall  
Environment

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**Canoe Halau at Nanakuli Beach Park**  
 Environmental Communications, Inc.  
**Figure 4**  
**Floor Plan**  
 Scale: 1/4" = 1'  
 Source: Paul S. Osumi Jr., AIA, Inc.

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Canoe Halau at Nanakuli Beach Park

Environmental Communications, Inc.

Figure 5  
Elevations

Scale: 1/8" = 1'

Source: Paul S. Osumi Jr., AIA, Inc.

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FARRINGTON

H

FORMER 40' WIDE RAILROAD ROW

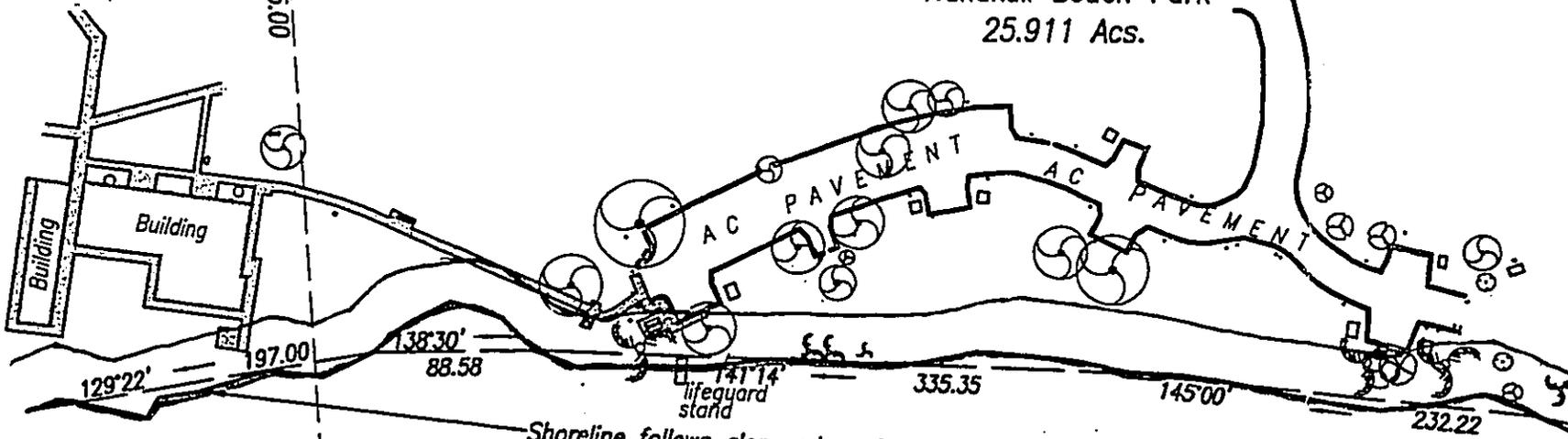
134°42'

140°34'54"

1161.03

R=5665.00

Nanakuli Beach Park  
25.911 Acs.



Shoreline follows along edge of vegetation as of November 4, 2002

Erosion Area = 4.526 Acres

Shoreline follows along high water mark as of June 21, 1921  
(Executive Order No. 104 creating Nanakuli Beach Park, June 21, 1921)



This work was prepared by me or under my direct supervision.

*Miles S. Horie* 4/30/04  
 Miles S. Horie  
 Licensed Professional Land Surveyor  
 Certificate Number 10007  
 Expiration Date: April 30, 2004

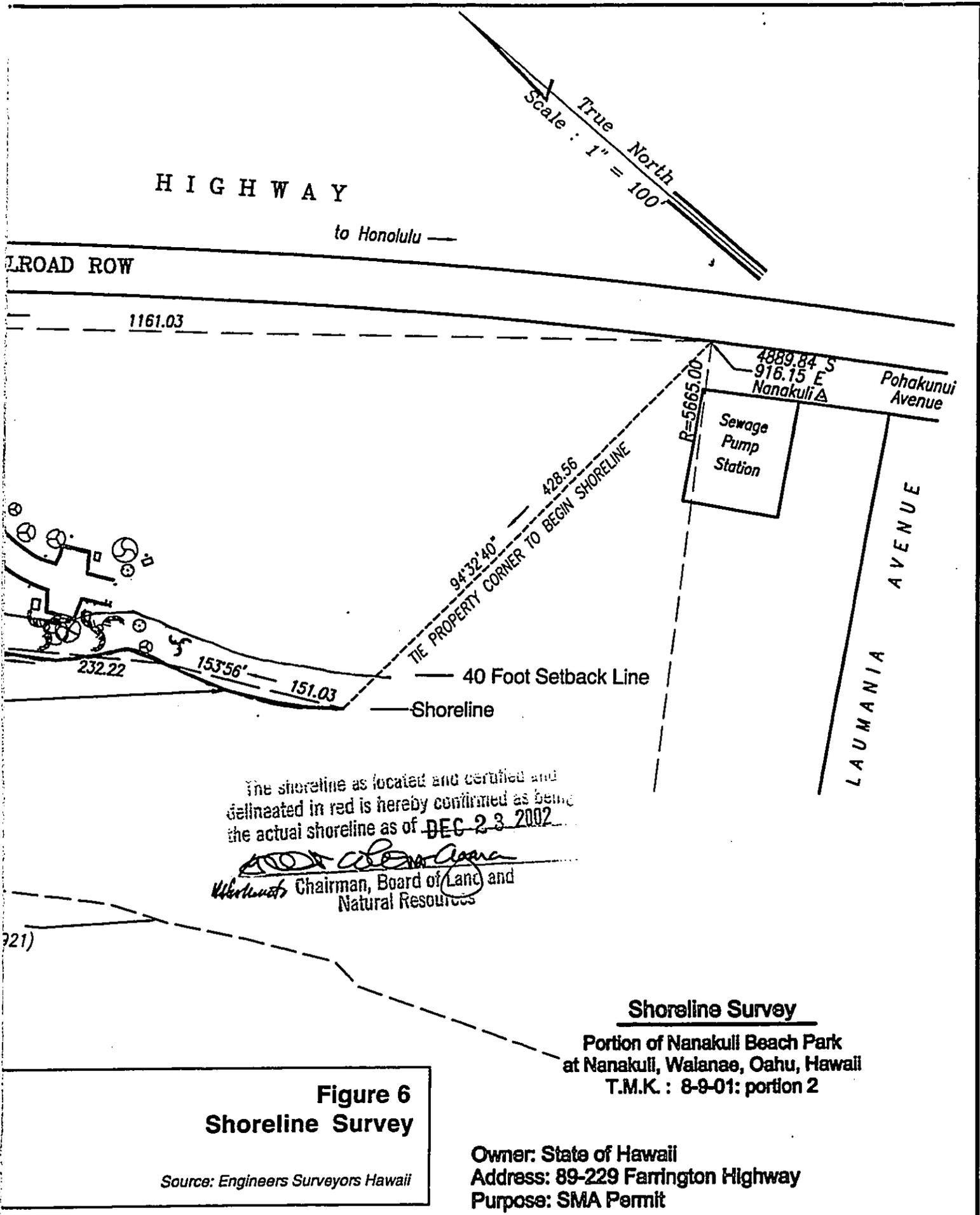
Canoe Halau at Nanakuli Beach Park

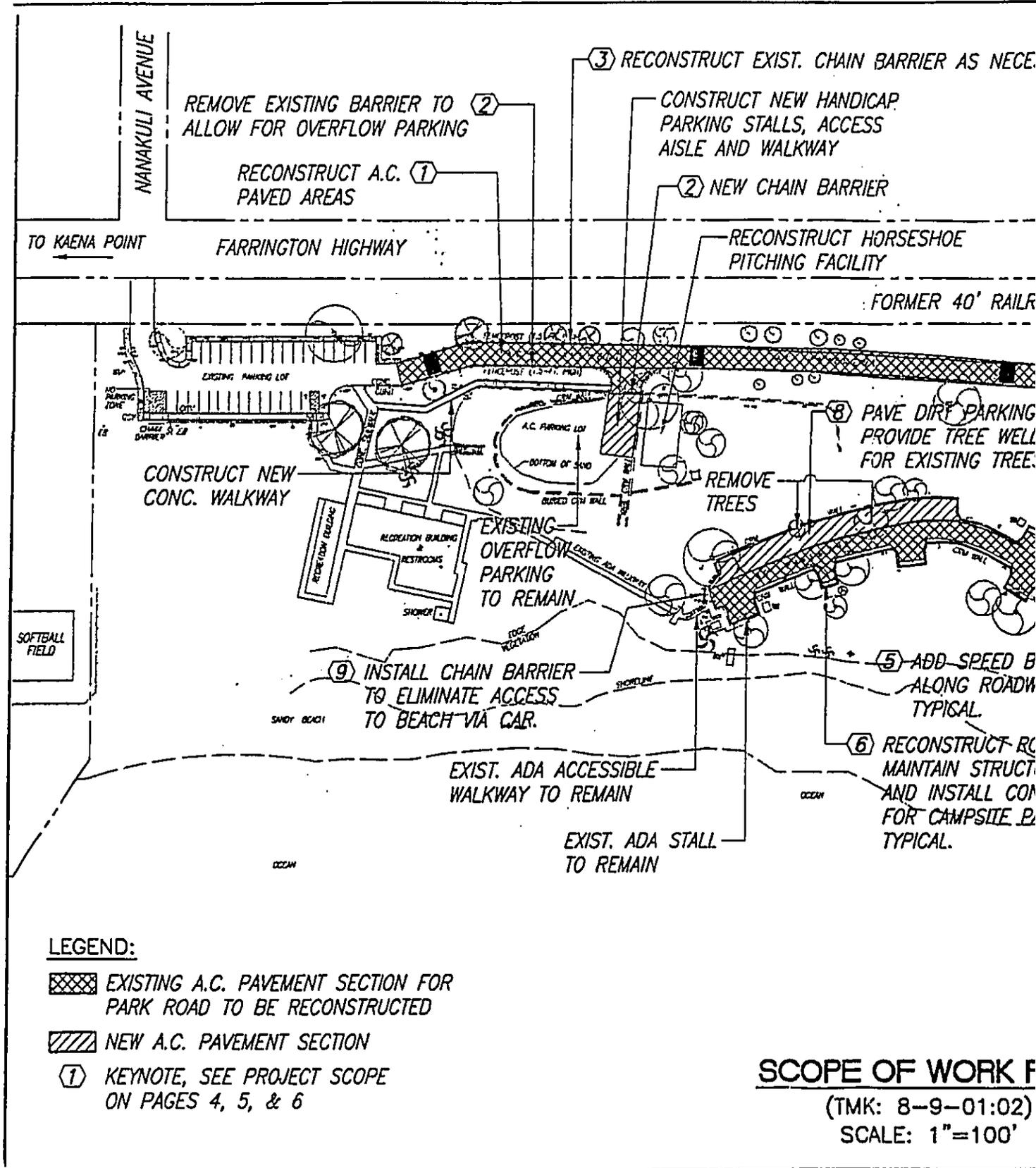
Environmental Communications, Inc.

12

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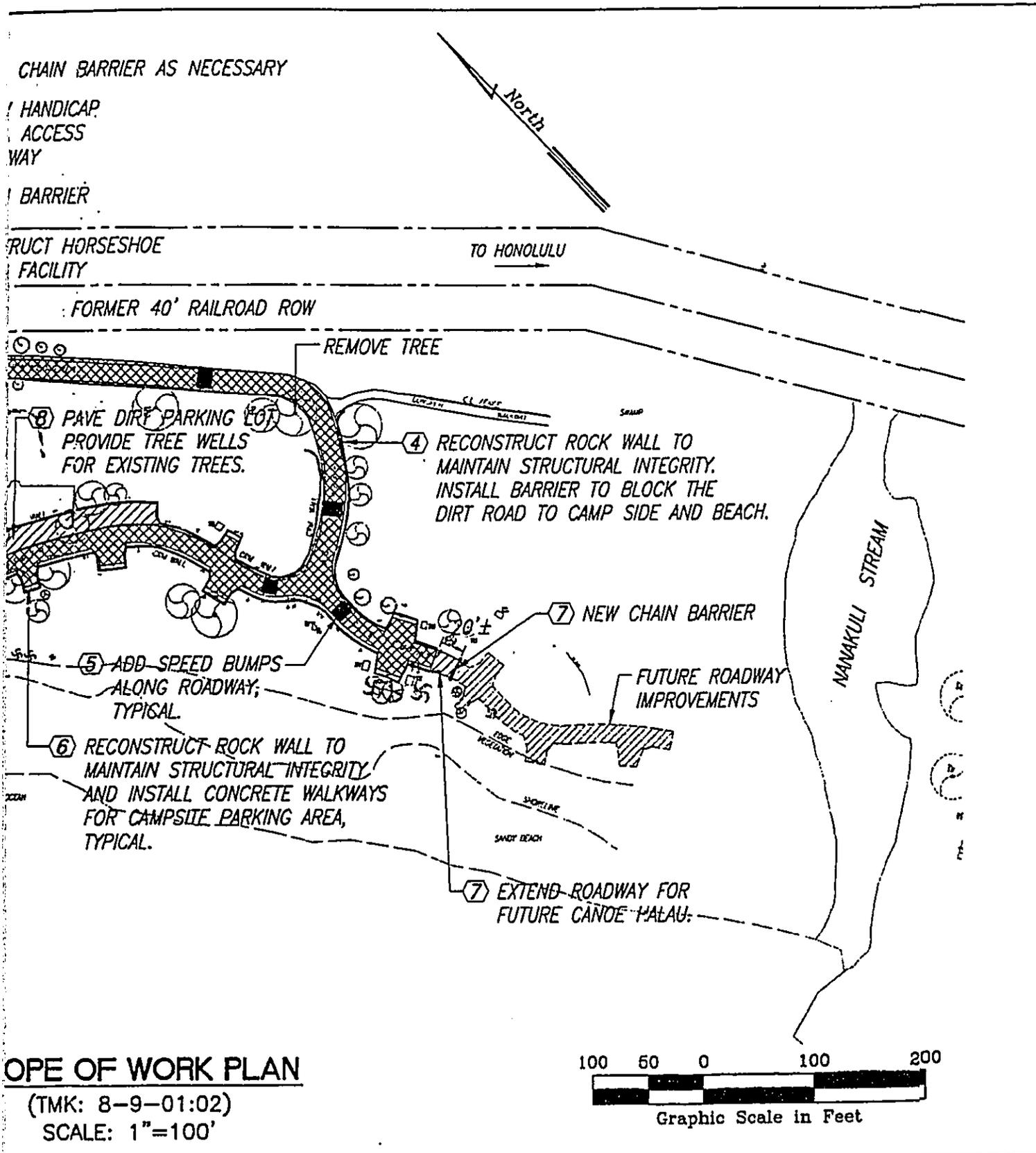
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**Canoe Halau at Nanakuli Beach Park**

Environmental Communications, Inc.



**Figure 7**  
**Beach Park Improvements Plan**

Source: Engineers Surveyors Hawaii

### III. DESCRIPTION OF ANTICIPATED IMPACTS

#### A. Environmental Setting

The canoe halau site is located on a relatively level grassed area flanked by a sandy and rocky shoreline that changes with seasonal surf. The Nanakuli Beach Park in which the halau is located is 30 acres in size, and consists of approximately 2,000 linear feet of shoreline frontage. A parking lot, recreation building, comfort station and campsite improvements are presently available on-site however the existing internal circulation system is in need of improvement. The park is subject to improvement plans that are a separate from the canoe halau project and are covered under a separate environmental impact assessment. In general, these improvements are limited to new or improved roadways, walls and fencing, improved parking areas, and a new horseshoe pitching area.

A former 40-foot railroad right-of-way is located along the northern boundary of the park site between Farrington Highway and the improved park area. This serves as a transitional buffer area that provides the park with some relief from the high levels of traffic along the Farrington Highway arterial.

The shoreline fronting the park varies from expansive sand area with minimal turf to grassed areas that abruptly drop into rocky shoreline. Exposed reef is found throughout the length of the beach

An existing recreation complex and comfort station is located along the western side of the improvement area, makai of the existing parking lot. Sidewalks provide access from the parking lot to the recreation building and the overflow parking area. Handicap parking is available in the existing parking lot and sidewalks allow for handicap access to the main park structures.

Existing vegetation is limited to a Banyan, Hau, Keawe and Coconut trees, Koa Haole, grass and weeds.

Picnic tables and trash receptacles are found throughout the site in proximity to the camp areas.

#### B. Surrounding Uses

The Nanakuli Beach Park is located a highly urbanized portion of Nanakuli. The intersection of Nanakuli Avenue and Farrington Highway is a central point within the Nanakuli community. While the park is zoned for general preservation use at the County level, surrounding uses are zoned for residential use. Nanaikapono School lies immediately to the west of the improvement area, while Nanakuli Avenue, which is located across the park, leads to the Nanakuli High School.

## C. Environmental Considerations

### 1. Geological Characteristics

#### Topography

Turfed portions of the park are relatively flat with less than 5% variation in slope. Minor grade changes occur towards Nanakuli Stream. Larger topographic variations occur beyond the grassed areas toward the shoreline. Along the shoreline, variations in topography range from gradual sand slopes to the ocean to abrupt transitions where erosion from surf results in a drop-off of approximately 4 feet.

#### Climate

While Hawaii is generally characterized as being temperate, the geography of the Waianae/Nanakuli District is notable for its prevailing dry, warm climate. Rainfall in this area is the lowest of all coastal regions on Oahu. Prevailing tradewinds are diminished by the Waianae mountain range, contributing to the general arid feeling of the coast.

According to the *Atlas of Hawaii, Second Edition*, the Waianae District typically experiences less than 5 inches of rainfall during peak rainfall months. Average mean temperatures on the Waianae coast range from mean highs between 80 and 90 degrees to mean lows between 60 and 75 degrees Fahrenheit.

#### USDA Soil Survey Report

According to panel 43 of the *Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii* by the US Department of Agriculture Soil Conservation Service, the project site is located on soils classified as BS beach and MnC Mamala stony silty clay loam. Beach sand is typical of shoreline areas. Mamala stony silty clay loam consists of coral rock fragments and well-drained soils typically found along the coastal plains.

### 2. Water Resources

The project site is located along the western coast of Oahu. Surf conditions along this coast are generally calm except during the winter high surf season. The shoreline fronting the project site consists of sandy and rocky shoreline and is well suited for recreational use. The non-perennial Nanakuli Stream crosses the along the eastern project boundary. This stream also serves as a major drainage source for the mauka Nanakuli area and abuts a sand basin that is created by occasional retained drainage that has not yet breached the shoreline. While generally dry, this area is not suitable for recreational use and is not a wildlife habitat nor as a scenic resource.

### Hydrologic Hazards and Resources

According to Panel 150001 0100 C of the Federal Emergency Management Agency Flood Insurance Rate Map, the project site is located in Zones VE and AE. Areas in Zones VE and AE have been determined to have coastal base flood elevations of 12 to 13 feet above mean sea level.

### Tsunami Inundation

The Civil Defense Tsunami Inundation Maps indicate that the project site is vulnerable to tsunami inundation (GTE Hawaiian Tel).

### Special Management Area

The project site is located within the Special Management Area (SMA) and is consequently subject to the provisions of Chapter 205A Hawaii Revised Statutes and Chapter 25, Revised Ordinances of Honolulu. This environmental assessment will be used to fulfill the requirements for a Special Management Area Use Permit (SMP), which will be filed under separate cover.

## **3. Archaeological, Cultural, Botanical and Faunal Resources**

### Archaeological Resources

The Department of Land and Natural Resources (DLNR) has conducted a preliminary review of the project improvements and noted that the area consists primarily of Beach Sand deposits which are known to contain significant historic sites. Consequently, DLNR recommends that prior to any ground disturbance, consultation with knowledgeable individuals and organizations should be conducted to determine if any culturally sensitive sites are in the area.

The department also noted that the site has been extensively altered and it is unlikely that surface historic sites remain. The one exception is a portion of the OR&L railway (site 50-80-12-9714) that runs between Farrington Highway and the park.

DLNR typically recommends that an archaeological inventory survey of the proposed project be performed to determine if any historic sites are present within the park area. Due to the extensive and intensive use of the park, it was also suggested that an archaeological monitoring plan may suffice for the proposed scope of improvement. If this work is conducted by a qualified archaeologist, in accordance with an approved monitoring plan, DLNR has stated that the proposed improvements will have "no adverse effect" on significant historical sites.

A copy of the archaeological monitoring plan for the previously approved general park improvements is attached as Appendix A. A letter from the Department of Land and Natural Resources, Historic Preservation Division stating that if archaeological monitoring is conducted for all ground disturbances associated with the canoe halau follows the previously approved plan for the Nanakuli Beach Park Improvements, then the construction of the halau will have "no adverse effect" on historic sites is attached as Appendix B.

#### Cultural Resources

The beach park is extensively used as a public park in its current capacity. As a park owned and maintained by the City and County of Honolulu, it is open for all beach-going activities including camping, picnicking, beach recreation and swimming. Camping is allowed by permit and no permanent residents were noted on site. This use has been in effect since the site was obtained from the U.S. Navy where it was identified as Camp Andrews. Camp Andrews was established during World War II. The site has been in public use since this time.

Knowledgeable individuals and organizations were contacted, as suggested by the Office of Hawaiian Affairs, for information of any unique cultural practices that may occur on site. Local kupuna were also contacted for information. Sources contacted include the Office of Hawaiian Affairs, the Hawaiian Civic Club, the Native Hawaiian Preservation Council, and the kupuna program at the Nanakuli Elementary School.

Information received regarding the project and site was limited, if acknowledged at all, and no significant comments were received. In generally, it was acknowledged that this is a community park and provides an important recreational area to the community. It was also discovered that the park was formerly known as the Kalaniana'ole Park however no sources knew of the reason for the name change.

#### Flora

The project site is presently covered with grass and various weedy species, as well as trees and shrubs such as Banyan, Keawe, Koa Haole, Coconut and Hau, all of which are common in beach areas. No rare or endangered species of flora were identified on the park site, and no adverse impacts will occur to flora as a result of the implementation of park improvement plan objectives.

#### Fauna

The site does not serve as a wildlife habitat although avifauna, feral cats, dogs and rodents may be found on-site.

#### 4. Infrastructure and Utilities

The proposed improvements are not expected to have a significant impact on existing infrastructure and utilities.

##### Vehicular Access and Traffic Conditions

No vehicular access improvements to the park specific to the canoe halau are planned within the current scope of work. The Department of Transportation Services has previously recommended that the roadway improvements project should be coordinated with the State Department of Transportation to ensure that no impacts will occur on Farrington Highway. Vehicular circulation within the park will be significantly improved by the Nanakuli Beach Park Improvements project which was initiated separately by the City and County of Honolulu.

Under the scope of the Nanakuli Beach Park Improvements project all paved areas in need of repair will be reconstructed while unpaved roads and parking areas will be paved. These measures will minimize erosion, provide stable pavement sections for traffic loading, and will provide improved roadway definition. Speed bumps and/or humps will be added throughout the park roadway system to control traffic speed. Redirection of traffic past the overflow parking area will eliminate any confusion within the site and will be provided for an organized parking scheme.

An existing roadway that is planned for paving under the Nanakuli Beach Park Improvements project will be provide access to the proposed halau structure. No roadway improvements are included in the canoe halau scope of improvements.

##### Water

No plumbing fixtures will be added in the proposed scope of work therefore demand for water service will not increase. Fresh water is available within the park.

##### Wastewater

No water fixtures will be incorporated into the project therefore wastewater will not increase from the implementation of the proposed action. An existing restroom building is located northeast of the halau. This facility is served by a cesspool system that will not be affected by the proposed improvements.

The site is presently naturally drained. Storm runoff will not run into the City's storm runoff system. Because the site largely consists of sand and coral, the site is well drained. The Nanakuli Stream serves as a collector for Nanakuli Valley storm runoff and outflows through the park during periods of heavy rainfall. Drainage patterns are not expected to be significantly changed by the addition of

the halau structure or the general park improvements. All storm water runoff from the proposed improvements will be reviewed for conformance with City and County of Honolulu Ordinance 96-34 regarding peak runoff.

#### Solid Waste

It is expected that City and County refuse collection service will continue to be used to service the project location. Solid waste is disposed at the Waimanalo Sanitary Landfill.

#### Telephone and Electrical Services

Telephone and electrical services are presently provided to the site. The halau will be served by electrical power for interior fluorescent lights and wall plugs.

### **5. Public Facilities**

The proposed project is not expected to have any impact on public facilities including schools, police, and fire or emergency medical services.

Nanakuli Fire Station Number 28 provides fire protection service to the project area. The station is located at 89-334 Nanakuli Avenue and is located 2 blocks from the project site. Response time to the park is less than 5 minutes.

Ambulance service for the project vicinity is located at the Waianae Fire Station Number 26. Response time to the project site is approximately 10 minutes.

Police service is provided by the Honolulu Police Department Waianae Station located at 85-939 Farrington Highway. Response time to the Beach Park is approximately 5 minutes or less, depending on the location of patrol units. Beats 860 and 863 patrol the project area.

### **D. Relationship to Plans, Codes and Ordinances**

The project site is zoned P-2 General Preservation according the City and County of Honolulu Zoning Map. Park uses are consistent with this designation. The Development Plan Designation for the site is Parks and Recreation, which is also consistent with the existing and proposed use.

The State Land Use Commission Boundary Maps identify the project site as being within the Urban area. This is consistent with the surrounding uses that include commercial uses and single-family to medium density residential units. The site is owned by the State of Hawaii according to the City and County of Honolulu Real Property Assessment Division.

Due to its location within the Special Management Area (SMA) boundaries, a Special Management Area Use Permit (SMP) is required for this project.

**E. Probable Impact on the Environment**

The proposed action will result in the long-term commitment of land to a structure that will occupy formerly open space. The structure will however provide the offsetting benefit of providing much need canoe storage facilities.

The canoe halau addition is expected to enhance park use and desirability. As stated in the project description, the proposed improvements are based on a community input process that identified salient needs, major concerns, and long-term goals.

Viewed in the cumulative with the general park improvements subject of a Finding of No Significant Impact in February 2003, the total park improvements will not have significant adverse effect on the environment.

**F. Adverse Impacts Which Cannot be Avoided**

Adverse impacts that cannot be avoided are generally related to short-term construction impacts. These impacts can be minimized by sound construction practices, adherence to applicable construction regulations as prescribed by the Department of Health, and coordination with applicable County agencies.

**G. Alternatives to the Proposed Action**

No other use alternatives beyond the non-action alternative were considered for this project. Non-action was considered and rejected since no benefit to the community would be provided. Within the scope of proposed improvements, alternative circulation configurations were considered and rejected.

**H. Mitigation Measures**

Long-term impacts resulting from the proposed improvements are expected to be minimal or non-existent based upon the subject environmental assessment. Long-term traffic, air and noise impacts are not expected to change significantly after improvements are completed. Short-term construction related noise and air quality impact mitigation measures include general good housekeeping practices and scheduled maintenance to avoid a prolonged construction period. The contractor will be directed to use best management practices (BMP) wherever applicable.

**I. Irreversible and Irretrievable Commitment of Resources**

Implementation of the proposed project will result in the irreversible and irretrievable commitment of resources in the use of non-recyclable energy

expenditure and labor. Materials used for new construction may have salvage value; however, it is unlikely that such efforts will be cost-effective. The expenditure of these resources is offset by gains in construction-related wages, increased tax base and tertiary spending.

#### IV. FINDINGS AND REASONS SUPPORTING DETERMINATION

As stated in Section 11-200-12, EIS Rules, Significance Criteria: in determining whether an action may have a significant effect on the environment, every phase of a proposed action shall be considered. The expected consequences of an action, both primary and secondary, and the cumulative as well as the short-term and long-term effects must be assessed in determining if an action shall have significant effect on the environment. Each of the significance criteria is listed below and is followed by the means of compliance or conflict (if extant).

- Involves the loss or destruction of any natural or cultural resource.

The proposed action will occur on a site serving as an existing beach park and will not impact any special natural areas or cultural resources. The existing use is complementary to the current park use.

- Curtails the range of beneficial uses of the environment.

The proposed use will result in additional benefit to the environment since it will provide an organized storage and staging area that will decrease the impact to abutting areas.

- Conflicts with the State's long-term goals or guidelines as expressed in Chapter 343, Hawaii Revised Statutes.

The proposed action is consistent with the goals and guidelines expressed in Chapter 343, Hawaii Revised Statutes. The proposed action is triggered by the location of the proposed project within the Special Management Area. The subject Environmental Assessment has been developed in compliance with the Chapter 343.

- Substantially affects the economic or social welfare of the community or state.

The proposed action will make a positive contribution to the welfare of the City and State by providing an improved park with safety, accessibility and general amenities that will result in a desirable and more productive park.

- Substantially affects public health.

The proposed improvements are not expected to have any direct impact on public health. The proposed action does however represent a substantial improvement over existing site conditions and associated liabilities. The proposed improvement may in fact increase participation in canoe paddling thereby providing the community with more recreational opportunities.

- Involves substantial or adverse secondary impacts, such as population changes or effect on public facilities.

The proposed action will not produce substantial secondary impacts resulting in population changes or significant increase in public facilities.

- Involves substantial degradation of environmental quality.

The proposed canoe halau will not involve the substantial degradation of environmental quality. The halau may in fact improve the environment by providing a safe; secure storage and staging area that will result in less wear and tear over other beach areas.

- Cumulatively have a considerable effect upon the environment or involve a commitment for larger actions.

The proposed action is not a first phase of any larger action. General beach park improvements are part of a separate action that is subject to a separated environmental impact assessment. The proposed halau improvement is within the beach park boundary but is not funded by the same appropriation and therefore is considered a separate action. Cumulatively, the impacts of the canoe halau project and the general beach park improvements are similar however the canoe halau action is limited to a much smaller area and is expected to contribute negligibly to the overall adverse beach park impacts.

- Affect rare, threatened or endangered species, or their habitats.

The proposed action will not affect any rare, threatened or endangered species of flora or fauna, nor is it known to be near or adjacent to any known wildlife sanctuaries.

- Detrimentially affect air or water quality or ambient noise levels.

The proposed action will not impact air or water quality. Noise levels may increase slightly due to an increase in use; however, this increase is not expected to exceed levels typically associated with park use.

Minimal impacts on air quality and noise are anticipated during construction, but will be limited by normal construction practices and Department of Health construction mitigation standards.

- Affect scenic vistas and viewplanes identified in County or State plans or studies.

The proposed action will not affect any scenic vistas or view planes identified by the County of State. The project will increase in the amount of built environment

within the park however significant care has been taken to ensure that the halau has been sensitively designed from both aesthetic and functional perspectives.

- Require substantial energy consumption.

The project will not increase energy consumption.

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

The proposed halau is not expected to significantly affect the project site with the exception of the alteration of existing views. The site will replace the existing open area with a structure that has been designed to be aesthetically pleasing and in character with the surrounding area.

The halau is located in an area that is likely to be subject to tsunami inundation and may be subject to some beachfront erosion. These impacts are expected of any structure located near shore. The halau is designed to be minimally affected by tsunami inundation. The structure is open on two sides, which will allow water to flow freely through the structure. The opposing side walls will be constructed of concrete and stone and will be able to withstand tidal surges. Beach erosion is part of a natural cycle where erosion and subsequent accretion occur over the course of many years. The halau has been located in an area determined to be stable and not subject to erosion that may occur closer to the shoreline.

#### **Finding of No Significant Impact**

Based on the above stated criteria, it has been determined by the Department of Design and Construction (DDC) that the proposed canoe halau project will not have any significant adverse environmental impacts and will not require an Environmental Impact Statement. The DDC therefore issues Finding of No Significant Impact (FONSI) determination for the project.

A similar FONSI was also issued for the Nanakuli Beach Park Improvements project that involves the same project parcel with a different scope of work. References to the beach park improvements have been made throughout this document. Cumulatively, both projects warrant a FONSI based on the reasons cited in this section that generally apply to both the halau and beach park improvement actions.

**V. LIST OF PARTIES CONSULTED PRIOR TO DEVELOPMENT OF THE  
DRAFT ENVIRONMENTAL ASSESSMENT**

Agencies with ministerial or specific interests regarding the proposed project were contacted for their early comments regarding the proposed project. Parties responding to contact are listed below and their comments are attached in the following section.

United States Coast Guard  
U.S. Department of Transportation

Department of Defense  
Civil Defense Office  
State of Hawaii

Department of Health  
State of Hawaii

Department of Land and Natural Resources  
Historic Preservation Division  
State of Hawaii

Office of Hawaiian Affairs  
State of Hawaii

Department of Community Services  
City and County of Honolulu

Department of Parks and Recreation  
City and County of Honolulu

Department of Planning and Permitting  
City and County of Honolulu

Honolulu Fire Department  
City and County of Honolulu

Honolulu Police Department  
City and County of Honolulu

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U.S. Department  
of Transportation



United States  
Coast Guard

Commander  
Fourteenth Coast Guard District  
Prince Kalaniana'ole Federal Building

300 Ala Moana Blvd., 9th Floor  
Honolulu, HI 96850-4982  
Staff Symbol: dpi  
Phone: (808) 541-2126  
FAX: (808) 541-3103

11011

AUG 28 2002

Environmental Communications, Inc.  
1188 Bishop Street, Suite 2210  
Honolulu, HI 96813

Dear Sir or Madam:

The Coast Guard has no comment or concerns regarding the construction of a canoe halau at the Nanakuli Beach Park in Nanakuli, Oahu.

I appreciate you including the Coast Guard in your distribution of this notice. Please contact me if I can further assist you. I am available at (808) 541-2126.

Sincerely,

A handwritten signature in black ink that reads "B. K. Swanson".

B. K. SWANSON  
Commander, U.S. Coast Guard  
District Planning Officer  
By direction

BENJAMIN J. CAYETANO  
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D., M.P.H.  
DIRECTOR OF HEALTH

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. BOX 3378  
HONOLULU, HAWAII 96801

In reply, please refer to:  
File:

02-203/epo

August 29, 2002

Mr. Taeyong M. Kim, Principal Planner  
Environmental Communications, Inc.  
P.O. Box 536  
Honolulu, Hawaii 96809

Dear Mr. Kim:

Subject: Pre-Environmental Assessment (PEA) Consultation  
Canoe Halau at Nanakuli Beach Park, Oahu

Thank you for the opportunity to review and comment on the subject proposal. The PEA request was routed to the various branches of the Environmental Health Administration. We have the no comments at this time.

If you have any questions, please contact the Environmental Planning Office at (808) 586-4337.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gary Gill".

GARY GILL  
Deputy Director  
Environmental Health Administration

c: EPO

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08/26/02 MON 15:25 FAX

OHA

001

PHONE (808) 594-1888

FAX (802) 534-1885



STATE OF HAWAII  
OFFICE OF HAWAIIAN AFFAIRS  
711 KAPOLANI BOULEVARD, SUITE 800  
HONOLULU, HAWAII 96813

August 26, 2002

HRD02/731

Paul S. Osumi, Jr.  
Environmental Communications, Inc.  
700 Bishop St., Ste 228  
Honolulu, HI 96813

Dear Mr. Osumi:

OHA is in receipt of your request for comments on a proposal to build a canoe halau at Nanakuli Beach Park. OHA has the following comments.

In order to ensure the best design and use for the canoe halau, OHA suggests that you talk to residents of Nanakuli, in particular residents of the Nanakuli Hawaiian Homesteads. We also suggest that you talk to residents who use the beach, and paddlers who will use the halau. The final design should reflect the vision of the Nanakuli community.

OHA trusts that you have reviewed the design of similar halau built at various parks throughout O'ahu and have taken steps to avoid the design flaws of those projects.

Thank you for the opportunity to comment on this proposed project.

If you have further questions please contact Pua Aiu, Acting Assistant Director, Hawaiian Rights Division at 594-1931.

Sincerely,

Jalna Keala  
Acting Director, Hawaiian Rights Division

C: BOT  
ADM

Post-It® Fax Note	7671	Date	8/26/02	# of pages	1
TO	Paul Osumi	From	OHA		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	528-4883	Fax #			

DEPARTMENT OF COMMUNITY SERVICES  
CITY AND COUNTY OF HONOLULU

715 SOUTH KING STREET, SUITE 311 ● HONOLULU, HAWAII 96813 ● AREA CODE 808 ● PHONE: 527-5311 ● FAX: 527-5498  
www.co.honolulu.hi.us

JEREMY HARRIS  
MAYOR



MICHAEL T. AMII  
DIRECTOR

JOHN R. SABAS  
DEPUTY DIRECTOR

August 8, 2002

Mr. Taeyong M. Kim  
Principal Planner  
Environmental Communications Inc.  
P.O. Box 536  
Honolulu, Hawaii 96809

Dear Mr. Kim:

Subject: Canoe Halau at Nanakuli Beach Park

We have reviewed the information transmitted with your letter dated July 31, 2002 related to the construction of a Canoe Halau at Nanakuli Beach Park. The proposed project will have no impact on any projects or programs of the Department of Community Services and we have no objections to the proposed project.

Thank you very much for the opportunity to review and comment on this project. Questions regarding this matter may be directed to Keith Ishida at 527-5092.

Sincerely,

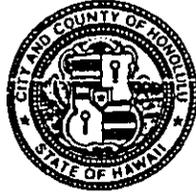
A handwritten signature in black ink, appearing to read "Michael Amii", is written over a horizontal line.

MICHAEL T. AMII  
Director

MTA:dk

FIRE DEPARTMENT  
**CITY AND COUNTY OF HONOLULU**

3375 KOAPAKA STREET, SUITE H425  
HONOLULU, HAWAII 96819-1869



JEREMY HARRIS  
MAYOR

ATTILIO K. LEONARDI  
FIRE CHIEF

JOHN CLARK  
DEPUTY FIRE CHIEF

August 22, 2002

Mr. Taeyong M. Kim  
Principal Planner  
Environmental Communications, Inc.  
1188 Bishop Street, Suite 2210  
Honolulu, Hawaii 96813

Dear Mr. Kim:

Subject: Canoe Halau at Nanakuli Beach Park  
Tax Map Key: 8-9-001: 002

We received your letter dated July 31, 2002, regarding the City and County of Honolulu, Department of Design and Construction's proposal to construct a canoe halau at Nanakuli Beach Park.

The Honolulu Fire Department (HFD) has no objections to the proposal provided the following are complied with:

1. Provide a private water system where all appurtenances, hydrant spacing, and fire flow requirements meet Board of Water Supply standards.
2. Provide a fire department access road within 150 feet of the first floor of the most remote structure. Such access shall have a minimum vertical clearance of 13 feet 6 inches, be constructed of an all-weather driving surface complying with Department of Transportation (DTS) standards, capable of supporting the minimum 60,000 pound weight of our fire apparatus, and with a gradient not to exceed 20%. The unobstructed width of the fire apparatus access road shall meet the requirements of the appropriate county jurisdiction. All dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved turnaround having a radius complying with DTS standards.

Mr. Taeyong M. Kim  
Page 2  
August 22, 2002

3. Submit construction plans to the HFD and the Department of Planning and Permitting.

Should you have any questions, please call Battalion Chief Kenneth Silva of our Fire Prevention Bureau at 831-7778.

Sincerely,



JOHN CLARK  
Acting Fire Chief

JC/SD:jo

Dec 30 02 11:46a

Paul S. Osumi

(808) 532-0828

p. 2

Dec 30 2002 9:46AM

DDC-INITIATIVES TEAM

No. 4375 P. 2

*J. Reid*

DEPARTMENT OF PARKS AND RECREATION  
**CITY AND COUNTY OF HONOLULU**

1000 ULUOHA STREET SUITE 209 • KAPOLE, HAWAII 96707  
TELEPHONE: (808) 692-5501 • FAX: (808) 692-1131 • INTERNET: www.co.honolulu.hi.us

JEREMY HARRIS  
HATCH



WILLIAM D. BALFOUR JR.  
DIRECTOR

EDWARD T. "SKIPPER" DIAZ  
DEPUTY DIRECTOR

December 23, 2002

TO: RAE M. LOUL, P.E., DIRECTOR *WDB*  
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: WILLIAM D. BALFOUR, JR., DIRECTOR

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT/SPECIAL  
MANAGEMENT AREA USE PERMIT APPLICATION - CANOE  
HALAU AT NANAKULI BEACH PARK

Thank you for the opportunity to review and comment on the Draft Environmental Assessment and Special Management Area Use Permit Application relating to the Canoe Halau at Nanakuli Beach Park.

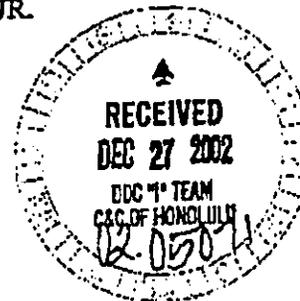
The Department of Parks and Recreation has no comment than to express our support for this project.

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

*W.D. Balfour*  
WILLIAM D. BALFOUR, JR.  
Director

WDB:mk (J. Reid, MS)  
(78533)

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



02 DEC 27 PM 12:44

DEPT OF DESIGN & CONSTRUCTION  
C&C OF HONOLULU

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**VI. LIST OF AGENCIES, ORGANIZATIONS AND INDIVIDUALS  
CONSULTED DURING THE DRAFT ENVIRONMENTAL ASSESSMENT  
PROCESS**

<b>State of Hawaii Agencies</b>	<b>Date of Response</b>
1. Dept of Business, Economic Development and Tourism, Office of Planning	
2. Dept of Health Environmental Planning Office	
3. Dept of Health Clean Air Branch	6/16/03
4. Dept of Health Clean Water Branch	6/12/03
5. Dept of Health Noise, Radiation and Indoor Noise Branch	6/4/03
6. Dept of Land and Natural Resources Historic Preservation Division	5/29/03
7. Dept of Land and Natural Resources Oahu District Land Office	6/17/03
8. Office of Environmental Quality Control	5/16/03
9. Office of Hawaiian Affairs	6/4/03
 <b>City and County of Honolulu Agencies</b>	
1. Board of Water Supply	6/17/03
2. Dept of Community Services	6/2/03
3. Dept of Design and Construction	
4. Dept of Facilities Maintenance	6/6/03
5. Dept of Parks and Recreation	6/5/03
6. Dept of Planning and Permitting	
7. Honolulu Emergency Services Department	
8. Honolulu Fire Department	6/9/03
9. Honolulu Police Department	6/12/03
 <b>Community Organizations and Private Agencies</b>	
1. Neighborhood Board No. 24, Waianae	

LINDA LINGOLE  
SPECIALIST OF HEALTH



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. Box 3171  
HONOLULU, HAWAII 96813-3179

CHRISTINE L. FURUKA, M.D.  
DIRECTOR OF HEALTH

In Reply, Please Refer to  
File #

June 16, 2003

03-649A CAB

Mr. Wesley Obata  
Department of Design and Construction  
City and County of Honolulu  
650 South King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813

Dear Mr. Obata:

SUBJECT: Draft Environmental Assessment for the Canoe Halau at Mail Beach  
Project

This letter is to transmit the following comments on the subject document:

Control of Fugitive Dust:

There is a significant potential for fugitive dust emissions during all phases of construction. Proposed construction activities will occur in proximity to existing residences, public areas and major thoroughfares, thereby exacerbating potential dust problems. It is recommended that a dust control management plan be developed which identifies and addresses all activities that have a potential to generate fugitive dust. Implementation of adequate dust control measures during all phases of development and construction activities is warranted.

Construction activities must comply with the provisions of Hawaii Administrative Rules, §11-60.1-33 on Fugitive Dust.

The contractor should provide adequate measures to control dust from the road areas and during the various phases of construction. These measures include, but are not limited to, the following:

Mr. Wesley Obata  
June 16, 2003  
Page 2

- a) Plan the different phases of construction, focusing on minimizing the amount of dust-generating materials and activities, centralizing on-site vehicular traffic routes, and locating potential dust-generating equipment in areas of the least impact;
- b) Provide an adequate water source at the site prior to start-up of construction activities;
- c) Landscape and provide rapid covering of bare areas, including slopes, starting from the initial grading phase;
- d) Minimize dust from shoulders and access roads;
- e) Provide adequate dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and
- f) Control dust from debris being hauled away from the project site.

If you have any questions, please contact Mr. Barry Ching of my staff at 586-4200.

Sincerely,

WILFRED K. NAGAMINE  
Manager, Clean Air Branch

BC:jhm

c: Taeyong Kim, Environmental Communications, Inc.

ENVIRONMENTAL COMMUNICATIONS, INC.

August 1, 2003

Mr. Wilfred K. Nagamine, Manager  
Clean Air Branch  
Department of Health  
P.O. Box 3378  
Honolulu, Hawaii 96801-3378

Subject: Canoe Halaau at Nanakuli Beach

Dear Mr. Nagamine:

Thank you for your response regarding the subject project. In response to your comments we offer the following:

We understand that fugitive dust is a concern within the vicinity during construction. Construction activities will comply with the provisions of the Hawaii Administrative Rules regarding fugitive dust. The contractor will be responsible for Best Management Practices to control this potential impact and compliance with applicable regulations will be stipulated in the contractors contract.

Thank you again for your comments.

Sincerely,



Taeyong M. Kim  
Environmental Communications, Inc.

11/11/03 10:00 AM

LINDA LINGLE  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. BOX 3378  
HONOLULU, HAWAII 96801-3378

June 12, 2003

CANTONEL FURUKO, M.D.  
DIRECTOR OF HEALTH

1000  
1000

06046CEC:03

Mr. Wesley Obata  
Department of Design and Construction  
650 South King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813

Subject: Draft Environmental Assessment (DEA)  
Canoe Halau at Maill Beach, Island of Oahu, State of Hawaii

Reference is made to a written request, dated May 23, 2003, from Mr. Taeyong M. Kim of the Environmental Communications, Inc. regarding the subject DEA. The Department of Health (Department), Clean Water Branch (CWB), appreciates the opportunity to review and provide comments on the proposed DEA for the subject project.

The proposed project will be located on open space in the southern makai portion of the existing City and County of Honolulu (CCH) Nanakuil Beach Park. The proposed canoe halau consists of a simple concrete stone structure that will be used for canoe storage. The platform for the structure is approximately 64 feet square in plan while the structure is approximately 48 feet by 60 feet in plan. A simple peaked monier tile roof reaching approximately 24 feet in height covers the structure. The following are general comments from the CWB:

1. The Department of Design and Construction, CCH, shall ensure that appropriate and effective erosion control measures will be used. These measures shall be designed, implemented, operated, and maintained in a manner to properly isolate and confine the construction activity and to contain and prevent any construction activity related potential pollutant(s) discharges from adversely impacting the receiving State waters quality.
2. Please clarify what type of the Best Management Practices "facilities" are required in the "Site Plan (Figure 3)."
3. There is a typographical error contained in page 4 which stated that the "[A] simple peaked monier tile roof reaching approximately 22 feet in height covers the structure" while all other information indicated that the roof will reach 24 feet in height.

Mr. Wesley Obata  
June 12, 2003  
Page 2

Should you have any questions, please contact Mr. Edward Chen of the Engineering Section, CWB, at 586-4309.

Sincerely,

DENIS R. LAU, P.E., CHIEF  
Clean Water Branch

c: Mr. Taeyong M. Kim, Environmental Communications, Inc.

ENVIRONMENTAL COMMUNICATIONS, INC.

August 1, 2003

Mr. Denis R. Lau, P.E., Chief  
Clean Water Branch  
Department of Health  
P.O. Box 3378  
Honolulu, Hawaii 96801-3378

Subject: Canoe Halau at Nanaakuli Beach

Dear Mr. Lau:

Thank you for your response regarding the subject project. In response to your comments we offer the following:

1. We understand that the Department of Design and Construction shall be responsible for any potential pollutant discharges into State waters. The project contractor will also be advised for this responsibility.
2. The BMP statement that includes "facilities" was intended to state that BMP measures should be implemented for anticipated site conditions. No permanent structures were meant to be implied.
3. We have noted the typographical error and will revise the Final EA to correctly state that the roof will reach a height of 24 feet.

Thank you again for your comments.

Sincerely,



Taeyong M. Kim  
Environmental Communications, Inc.

# CORRECTION

THE PRECEDING DOCUMENT(S) HAS  
BEEN REPHOTOGRAPHED TO ASSURE  
LEGIBILITY  
SEE FRAME(S)  
IMMEDIATELY FOLLOWING









PETER S. YOUNG  
 CHAIRMAN  
 BOARD OF LAND AND NATURAL RESOURCES  
 COMMISSION ON WATER RESOURCES MANAGEMENT  
 DANE SAUNDERS  
 DEPUTY DIRECTOR - LAND  
 ERNEST Y. LAU  
 DEPUTY DIRECTOR - WATER  
 ADVISORY SERVICES  
 SOUVENIR AND GIFT REGISTRATION  
 BUREAU OF CONTRACTS  
 COMMISSION ON WATER RESOURCES MANAGEMENT  
 CONSTRUCTION AND LOCAL LAND  
 FORESTRY AND WILDLIFE  
 KAPUWAIWA WATERSHED COMMISSION  
 LAND  
 STATE PARKS



STATE OF HAWAII  
 DEPARTMENT OF LAND AND NATURAL RESOURCES  
 HISTORIC PRESERVATION DIVISION  
 KAKUHEWA BUILDING, ROOM 533  
 801 KAHUKOHA BOULEVARD  
 HONOLULU, HAWAII 96813



May 29, 2003

Wesley Obata  
 Department of Design and Construction  
 650 S. King Street, 11<sup>th</sup> Floor  
 Honolulu, Hawaii 96813

LOG NO: 2003.0706  
 DOC NO: 0305EJ51

Dear Mr. Obata:

**SUBJECT:** Chapter 6E-8 Historic Preservation Review - Draft Environmental  
 Assessment Canoe Halau at Nānākūli Beach  
 Nānākūli, Wai'anae, O'ahu  
 TMK: 1J18-9-001:002

Thank you for the opportunity to comment on the draft EA for the proposed canoe halau at Nānākūli Beach Park. Our review is based on historic reports, maps, and aerial photographs maintained at the State Historic Preservation Division; no field inspection was made of the project area. We received notification of this undertaking from Environmental Communications on May 22, 2003.

The Archaeological Resources section of the DEA (Page 13) should clarify that although SHPD previously commented on proposed improvements to Nānākūli Beach Park, plans for a canoe halau were not included at that time (SHPD Log 28387, October 25, 2001). Nonetheless, our previous comments state that we believe that ground disturbances such as grading or grubbing have the potential to adversely affect significant historic sites, and that archaeological monitoring should be conducted on-site by a qualified archaeologist following an approved archaeological monitoring plan remains the same. If archaeological monitoring is conducted in accordance with an approved plan the proposed improvements would have "no adverse effect" on significant historic sites. An archaeological monitoring plan, Archaeological Monitoring Plan for the Proposed Site Improvements Nānākūli Beach Park Nānākūli, Wai'anae, O'ahu, Aki Sinoto Consulting, June 2002) was reviewed and accepted by SHPD (SHPD Log 30275, July 11, 2002) for the proposed improvements submitted at the time.

Wesley Obata  
 Page Two

Although the canoe halau was not included in the archaeological monitoring plan previously accepted, we believe that if archaeological monitoring is conducted of all ground disturbance associated with the construction of the canoe halau following the previously approved plan, then the construction of canoe halau will have "no adverse effect" on significant historic sites.

Should you have any questions about archaeology, please feel free to call Sara Collins at 692-8026 or Elaine Jourdan 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

Eljck

Enc: SHPD Log 28387, 30275

c. Teeyong Kim, Environmental Communications, Inc. 1188 Bishop Street, Suite  
 2210, Honolulu, Hawaii 96813  
 Kai Markell, BSP  
 V. Horn Diamond, OIBC

ROY HANE J. EASTMAN  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION  
1400 Ala Moana Blvd., Room 100  
Honolulu, Hawaii 96813

HELENE E. SHALIMA-VALADAR, CHAIRPERSON  
COMMISSION ON THE HISTORIC PRESERVATION

DEPUTY  
JANET L. LAMBLE  
LEWIS, MISSOURI

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
COMMERCE OR WATER RESOURCES  
MANAGEMENT  
CONSERVATION AND RESTORATION  
COURTESY AND WALKERS  
HISTORIC PRESERVATION  
STATE PARKS

October 25, 2001

Mr. Taeyong M. Kim, Principal Planner  
Environmental Communications, Inc.  
P.O. Box 536  
Honolulu, Hawaii 96809

LOG NO: 28387  
DOC NO: 0110SC20

Dear Mr. Kim:

SUBJECT: Chapter 6E-8 Historic Preservation Review of Proposed Improvements  
to Nanakuli Beach Park  
Nanakuli, Wai'anae, O'ahu  
TMK: 8-9-001:002

Thank you for the opportunity to comment on the proposed improvements to Nanakuli Beach Park in Wai'anae, O'ahu by the City and County of Honolulu. Your client plans to make general improvements that include reconstruction, repair, and expansion of existing roadways and parking areas, and repair to existing walls and fences. Our review is based on historic maps, aerial photographs, records, and reports maintained at the State Historic Preservation Division; no field inspection was made of the subject parcel.

Judging from soils maps prepared in the early 1970s, the project area is largely underlain by Beach Sand deposits, which are known to contain significant historic sites such as cultural layers and human burials. Consequently, we believe that portions of the vision team project, as described, that include ground disturbance, such as grading or grubbing, have the potential to adversely affect significant historic sites.

Therefore, we recommend that, prior to beginning any ground disturbance consultation should occur with knowledgeable Native Hawaiians and Native Hawaiian organizations to determine if any culturally sensitive sites are in the area. Also, an acceptable archaeological monitoring plan shall be submitted to our office for review and approval. An archaeological monitoring plan must contain the following eight specifications: (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

Mr. Taeyong M. Kim, Principal Planner  
Page Two

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.

Thus, we believe that if monitoring of ground disturbance is conducted by a qualified archaeologist, in accordance with an approved plan, the proposed Nanakuli Beach Park improvements will have "no adverse effect" on significant historic sites.

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

Aloha,

DON HIBBARD, Administrator  
State Historic Preservation Division

SC:jk

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





**STATE OF HAWAII**  
**OFFICE OF ENVIRONMENTAL QUALITY CONTROL**  
1555 ALI'OLE DRIVE, SUITE 200  
 HONOLULU, HAWAII 96813  
 PHONE: (808) 541-2000  
 FAX: (808) 541-2001

**DEVELOPMENT DIVISION**  
DESIGN SECTION

Timothy Steinberger  
 May 16, 2003  
 Page 2

May 16, 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), Nanakuli Beach Park Canoe Hala

We have the following comments to offer:

1. Two-sided paper: In order to reduce bulk and save on paper, please consider printing on both sides of the pages in the final document.

2. Segmentation: This draft EA notes that another EA deals with improvements to Nanakuli Beach Park. The environmental review law prohibits segmentation of larger projects and requires that full disclosure of impacts be made on projects in their entirety, regardless of the funding source. In the final EA describe all impacts and related mitigation measures for this park.

A review of our records for the last six months lists Design & Construction environmental assessments for the following parks:

- Waimanalo Beach Park
- Kūhio Beach Park
- Maill Beach Park
- Keolu Lagoon Beach Park
- Nanakuli Beach Park (Improvements)
- Kaaawa Beach Park
- Kaupuni Neighborhood Park

If additional improvement or construction is planned for any of these locations, full disclosure needs to be made on planned activities in their entirety.

3. Figures: The legend in the site plan (Figure 3) is unreadable. Please correct this in the final EA.

4. Paving: Paving sections of the park and pavement repair are proposed, but the areas to be paved or repaired are not indicated on any of the figures. In the final EA indicate this in Figure 3.

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/hsrca/guidance/index.html>.

5. Shoreline setback: Will the hala be in the shoreline setback? In an existing figure or in a new figure, indicate where the setback boundary is in relation to the proposed hala site.

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

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

8. Cultural impacts assessment: Act 30 was passed by the Legislature in April of 2000. This mandates an assessment of impacts to traditional cultural practices by the proposed project. In the final EA include such an assessment. For assistance in the preparation refer to our *Guidelines for Assessing Cultural Impacts*. Go to our homepage at <http://www.state.hi.us/health/hsrca/guidance/index.html> or contact our office for a paper copy. You will also find the text of Act 30 linked to this section of our homepage.

9. Design flaws: The August 26<sup>th</sup>, 2002 letter from the Office of Hawaiian Affairs recommends avoiding design flaws found in hala in other Oahu beach parks. What are these flaws and how will you avoid them?

10. Contacts: Community consultation is an important element of the review process. Send a copy of the draft EA to the nearest neighborhood board, allowing them sufficient time to review the draft EA and submit comments. If you have contacted other community groups or the nearest neighbors be sure to document this in the final EA.

In the final EA enclose a copy of the letter from the Historic Preservation Division of DLNR to support the "no adverse effect" determination and concurrence with the mitigation plan.

ENVIRONMENTAL CONSULTANTS, INC.

August 1, 2003

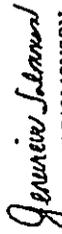
Timothy Steinberger  
May 16, 2003  
Page 3

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

11. *Significance criteria:* In section IV you analyzed the impacts of this project according to 12 of the 13 significance criteria. In the final EA include an analysis for the missing criterion: *Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters*

If you have any questions, call Nancy Heinrich at 586-4185.

Sincerely,

  
GENEVIEVE SALMONSON  
Director

c: Taeyong Kim

Subject: Canoe Halau at Nanakuli Beach

Dear Ms. Salmonson:

Thank you for your comments regarding the subject project. We offer the following in response to your comments.

1. The Final EA will be printed double sided to conserve paper.
2. We understand your concern regarding segmentation and intend to address the overall impacts to the beach park and canoe halau in the Final EA for the Canoe Halau at Nanakuli Beach. It is not the intent of the Department of Design and Construction to segment the projects. The canoe halau and beach park improvements were initiated separately and were not conceived as a single improvement action.

The halau FEA has been revised to include a discussion on the proposed beach park improvements. The canoe halau and beach park improvement documents are largely based on the same site information therefore all beach park improvements are also assessed in the canoe halau EA.

3. Figure 3 will include a more legible graphic in the FEA.
4. A new graphic labeled as Figure 6 showing the general scope of work planned under the Nanakuli Beach Park Improvements plan will be included in the FEA. We understand that recycled glass in paving materials are encouraged wherever possible. For this project, glass paving is not considered to be desirable by the Department of Design and Construction.
5. The project will be located in shoreline setback area. New Figure 7 will show the shoreline and setback area for the Nanakuli Beach Park.
6. No specific tsunami mitigation measures other than compliance with the building code are proposed. The building is open in design and will not be subject to flood damage.
7. The use of reclaimed water or non-potable water will be considered for canoe wash down however no existing infrastructure for such use presently exists onsite.

8. Cultural impacts will be discussed in the final EA. Knowledgeable organizations and individuals have been contacted as recommended by OHA. No significant comments were received regarding the proposed project.
9. OHA's comments regarding design concerns were discussed with the Department of Design and Construction (DDC) staff. It appears that OHA's concern relates to the differences in halau design for each site. DDC explained that each halau is uniquely designed based on the user interviews conducted by each project architect. Each halau is reflective of the design recommendations provided by the various clubs that use each location.
10. A copy of the Draft EA was sent to the Waiānae Coast Neighborhood Board No. 24 in advance of the Draft EA publication. No comments have been received to date. A copy of the letter for the Historic Preservation Division supporting the "no adverse effect" determination and concurrence with the mitigation plan will be included in the final EA.
11. Section IV will be revised to include discussion regarding environmentally sensitive areas.

Thank you again for your comments.

Sincerely,



Taeyong M. Kim  
Environmental Communications, Inc.

ENVIRONMENTAL COMMUNICATIONS, INC.

PHONE (808) 594-1668

FAX (808) 594-1806



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

2003 JUN -9 AM 10:47  
DEPT. OF LAND & NATURAL RESOURCES  
OFFICE OF HAWAIIAN AFFAIRS  
711 KAPIOLANI BOULEVARD, SUITE 500  
HONOLULU, HAWAII 96813

June 4, 2003

Mr. Wesley Obama  
Department of Design and Construction  
650 South King Street - 11<sup>th</sup> Floor  
Honolulu, HI 96813

SUBJECT: CANOE HALAU AT NANAKULI BEACH - DEA

Dear Mr. Obama:

Thank you for the opportunity to review and comment on the above referenced proposal to construct a Canoe Halau at Nanakuli Beach.

The Office of Hawaiian Affairs (OHA) agrees with the DLNR recommendation of consultation with knowledgeable individuals and organizations concerning culturally sensitive sites that might be in the area. You might want to contact the Oahu Hawaiian Civic Club as well as Mr. Thomas Leuchman (696-7700) who serves as a member of the Native Hawaiian Historic Preservation Council.

OHA also requests that you amend your monitoring plan to reflect that upon the discovery of any artifacts or remains, all work will cease, the State Historic Preservation Division (SHPD), and the Oahu Island Burial Council are to be contacted.

If you have any questions, please contact Jerry B. Norris at 594-1847 or email him at [jernom@oha.org](mailto:jernom@oha.org).

Sincerely,

Peter L. Yee  
Director  
Nationhood and Native Rights Division

August 1, 2003

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

Subject: Canoe Halau at Nanakuli Beach

Dear Mr. Yee:

Thank you for your comments regarding the subject project. We agree with your comments recommending that knowledgeable individuals and organizations should be contacted regarding culturally sensitive areas that may be within the project area. Your recommended contacts have been contacted your recommendations as well as kupua familiar with the area but have not received any significant comments regarding the project.

Per your request, the archaeological monitoring plan for the project will state that upon the discovery of any artifacts or remains, all work will cease and the State Historic Preservation Division, and the Oahu Island Burial Council will be notified.

Thank you again for your comments.

Sincerely,

Taeyong M. Kim  
Environmental Communications, Inc.

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



June 17, 2003

ENVIRONMENTAL ENGINEERS, INC.

JEREMY HARRIS, Mayor  
EDDIE FLORES, JR., Chairman  
CHARLES A. STEVENS, Vice Chairman  
JAN HILLY, AMI  
HERBERT S. K. MAOPUA, SR.  
DANOLYN H. LEONG  
ROONEY K. HAAGA, E-0600  
LARRY J. LEOPARD, E-0600  
CLIFFORD S. JAMILE  
Manager and Chief Engineer  
DONALD K. KOTSUMA  
Deputy Manager and Chief Engineer

TO: MR. WESLEY OBATA  
DEPARTMENT OF DESIGN AND CONSTRUCTION  
*W. Obata*  
FROM: *for* CLIFFORD S. JAMILE, MANAGER AND CHIEF ENGINEER  
SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR THE  
CANOE HALAU AT NANAKULI BEACH, TMK: 8-9-1-2

The existing water system is presently adequate to accommodate the proposed canoe halau.  
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 Application.  
If you have any questions, please contact Joseph Kaakua at 748-5440.

cc: Taeyong Kim, Environmental Communications, Inc.

August 1, 2003

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

Subject: Canoe Halau at Nanakuli Beach

Dear Mr. Jamile:

Thank you for your response regarding the subject project. We understand that water supply to accommodate the proposed canoe halau is adequate and that availability of water will be confirmed when the building permit is approved.

We also understand that the a Water System Facilities charge will be required for resource development, transmission and daily storage. It is also acknowledged that the project is subject to BWS Cross-Connection Control and Backflow Prevention requirements prior to the issuance of the Building Permit Application.

Thank you again for your comments.

Sincerely,

Taeyong M. Kim  
Environmental Communications, Inc.



DEPARTMENT OF FACILITY MAINTENANCE  
CITY AND COUNTY OF HONOLULU  
1000 ULUOHIA STREET, SUITE 215, KAPOLEI, HAWAII 96707  
TELEPHONE: (808) 472-5054 FAX: (808) 472-5437



JERRY HARRIS  
AUTHOR

LARRY J. LEOPARDI, P.E.  
DIRECTOR AND CHIEF ENGINEER  
ALVIN K. C. AU  
SENIOR DIRECTOR  
IN REPLY REFER TO:  
DRM 03-439

June 6, 2003

MEMORANDUM

TO: TIMOTHY E. STEINBERGER, P. E., DIRECTOR  
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTN: WESLEY OBATA

FROM: *Larry Leopardi*  
LARRY LEOPARDI, P. E., DIRECTOR AND CHIEF ENGINEER  
DEPARTMENT OF FACILITY MAINTENANCE

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT  
CANOE HALAU AT MAILI BEACH

Thank you for the opportunity to review and comment on the subject Assessment. We have no comments at this time.

If you have any questions, please contact me at 523-4472.

cc: Taeyong Kim

ENVIRONMENTAL COMMUNICATIONS, INC.

August 1, 2003

Mr. Larry Leopardi, P.E.  
Director and Chief Engineer  
Department of Facility Maintenance  
1000 Uluohia Street, Suite 215  
Kapolei, Hawaii 96707

Subject: Canoe Halau at Nanakuli Beach

Dear Mr. Leopardi:

Thank you for your response regarding the subject project. We understand that your department does not have any comments at this time.

Sincerely,

Taeyong M. Kim  
Environmental Communications, Inc.



FIRE DEPARTMENT  
**CITY AND COUNTY OF HONOLULU**  
311E KOWALE STREET, SUITE 4425 - HONOLULU, HAWAII 96813-1440  
TELEPHONE: (808) 531-7111 • FAX: (808) 531-7150 • INTERNET: www.honolulu.gov



ATTILIO K. LEONARDI  
FIRE CHIEF  
JOHN CLARK  
SENIOR FIRE CHIEF



JEREMY HARRIS  
MAYOR

June 9, 2003

**TO:** TIMOTHY E. STEINBERGER, P. E., DIRECTOR  
DEPARTMENT OF DESIGN AND CONSTRUCTION

**ATTENTION:** WESLEY OBATA, ARCHITECT  
FACILITIES DIVISION

**FROM:** ATTILIO K. LEONARDI, FIRE CHIEF

**SUBJECT:** DRAFT ENVIRONMENTAL ASSESSMENT  
CANOE HALAU AT NANAKULI BEACH

We received a letter dated May 23, 2003, from Taeyong M. Kim of Environmental Communications, Inc., requesting our review and comments on the above-mentioned project.

The Honolulu Fire Department (HFD) requires that the following be complied with:

1. Provide a private water system where all appurtenances, hydrant spacing, and fire flow requirements meet Board of Water Supply standards.
2. Provide a fire department access road within 150 feet of the first floor of the most remote structure. Such access shall have a minimum vertical clearance of 13 feet 6 inches, be constructed of an all-weather driving surface complying with Department of Transportation Services (DTS) standards, capable of supporting the minimum 60,000-pound weight of our fire apparatus, and with a gradient not to exceed 20%. The unobstructed width of the fire apparatus access road shall meet the requirements of the appropriate county jurisdiction. All dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved turnaround having a radius complying with DTS standards.
3. Submit civil drawings to the HFD for review and approval.

Timothy E. Steinberger, P. E., Director  
Page 2  
June 9, 2003

Should you have any questions, please call Battalion Chief Lloyd Rogers of our Fire Prevention Bureau at 831-7778.

*Attilio K. Leonard*  
ATTILIO K. LEONARDI  
Fire Chief

AKLSK:bh

cc: Taeyong M. Kim, Environmental Communications, Inc.



POLICE DEPARTMENT  
**CITY AND COUNTY OF HONOLULU**  
301 SOUTH BERETANIA STREET  
HONOLULU, HAWAII 96813 - AREA CODE (808) 529-3111  
<http://www.honolulu.gov>  
[www.co.honolulu.hi.us](http://www.co.honolulu.hi.us)



LEE D. DONOHUE  
CHIEF  
OLEN R. KAJIYAMA  
PAUL D. PUTZLU  
DEPUTY CHIEFS

JEREMY HARRIS  
MAYOR

OUR REFERENCE CS-KP

June 12, 2003

TO: TIMOTHY E. STEINBERGER, P.E., DIRECTOR  
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTENTION: WESLEY OBATA, ARCHITECT

FROM: LEE D. DONOHUE, CHIEF OF POLICE  
HONOLULU POLICE DEPARTMENT

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR THE CANOE HALAU AT  
NANAKULI BEACH

Thank you for the opportunity to review and comment on the subject project.  
This proposed project should have minimal impact on the facilities and services of the Honolulu Police Department.

If there are any questions, please call Captain George Yamamoto of District 8 at 692-4253 or Ms. Carol Sodekani of the Support Services Bureau at 529-3658.

LEE D. DONOHUE  
Chief of Police

By *Karl Godsey*  
KARL GODSEY  
Assistant Chief of Police  
Support Services Bureau

cc: Mr. Taeyong Kim  
Environmental Communications, Inc.

*Striving and Partnering with Aloha*

ENVIRONMENTAL COMMUNICATIONS, INC.

August 1, 2003

Mr. Lee D. Donohue  
Chief of Police  
Police Department  
301 South Beretania Street  
Honolulu, Hawaii 96813

Subject: Canoe Halau at Nanakuli Beach

Dear Chief Donohue:

Thank you for your response regarding the subject project. We understand that the proposed project will have minimal impact on the facilities and services of the Honolulu Police Department.

Sincerely,

Taeyong M. Kim  
Environmental Communications, Inc.

1100 KESSLER STREET, SUITE 2100, HONOLULU, HAWAII 96813 • TEL: 808-529-4401 • FAX: 808-529-4103

APPENDIX A

ASC026-3

ARCHAEOLOGICAL MONITORING PLAN  
FOR THE PROPOSED SITE IMPROVEMENTS  
NANAKULI BEACH PARK  
NANAKULI, WAI'ANAE, O'AHU  
(TMK 8-9-01:2)

for:

The City and County of Honolulu  
c/o Engineers Surveyors Hawaii, Inc.  
900 Halekauwila Street  
Honolulu, Hawaii 96814

by:

Aki Sinoto  
And  
Jeffrey Pantaleo, M.A.

June 2002

Aki Sinoto Consulting  
2333 Kapiolani Blvd., No. 2704  
Honolulu, Hawai'i 96826

## INTRODUCTION

At the request of Engineers Surveyors Hawaii, Inc. of Honolulu, Aki Sinoto Consulting of Honolulu proposes to undertake archaeological monitoring procedures in conjunction with the various improvements being proposed by the City and County of Honolulu at Nanakuli Beach Park. The project area (TMK8-9-01:2), *makai* of Farrington Highway and immediately southeast of the existing Nanaikapono Elementary School, occupies a portion of the shoreline of Nanakuli *ahupua`a*, Wai`anae District, O`ahu Island (Fig. 1). The traffic signal for Nanakuli Avenue is located adjacent to the park entrance.

Besides the reconstruction of all paved areas including roadways and parking areas, the proposed improvements include; removal of existing chain fence and installation of new chain fence in selected areas, repair existing damaged rock wall at the pedestrian walkway, add speed bumps along entire roadway, repair existing rock walls in parking areas and install wheel stops in parking spaces, extend the southeast end of the camp site roadway, pave dirt parking lot along the northwest segment of the camp site roadway, install chain gate at northwest end of camp site roadway, and reconstruct the existing horseshoe pits (Fig. 2). The archaeological procedures shall meet the State Historic Preservation Division (SHPD) guidelines for archaeological monitoring under Section 6E of the Hawaii Revised Statutes. Concurrence and approval of this monitoring plan by the SHPD shall be required prior to commencement of any construction activities.

## PREVIOUS ARCHAEOLOGY

Only two archaeological studies have previously been conducted in the vicinity of the current project area and no investigations are known to have taken place within the boundaries of Nanakuli Beach Park.

In 1994, the area across Farrington Highway, formerly known as Camp Andrews, a Naval Reservation used during WWII, was included in an archaeological assessment of five alternative sites for the proposed Nanakuli Public Library (Sinoto and Pantaleo 1994) and a related historical study (Nakamura and Pantaleo 1994). No surface remains were located.

In 2001, an archaeological inventory survey was conducted in conjunction with the proposed new Nanakuli IV Elementary School in the former Camp Andrews area (Shidler 2001). This survey resulted in the discovery of historic remains attributed to Camp Andrews (Site 50-50-7-5946) and traditional Hawaiian cultural deposits and a human burial within two limestone sinkholes (Site 50-50-7-5947). Avifaunal skeletal remains were also recovered from the sinkholes. Site 5947 is slated to be capped and preserved *in-situ*.

## EXPECTABILITY OF SUBSURFACE REMAINS

Although no archaeological remains have been recorded within the current project area, the occurrence of human burials and other buried deposits have been reported from the neighboring areas. In view of the fact, that structural or other occupational surface features are not likely to be found in the current project area due to evidence of extensive previous disturbances, the remains most likely to be encountered during monitoring, would be subsurface cultural deposition, primary or secondary in context.

## MONITORING PLAN

The construction plans call for minimal ground disturbance for removal of existing pavements and limited excavations for wall foundations and fence posts. Roughly a maximum of two feet is estimated for the deepest excavations, thus, most likely not exceeding the depths of the previous disturbances and fill materials. In view of the potential presence of secondarily deposited remains in fill, all construction-related excavations will be monitored in accordance to State Historic Preservation Regulations contained in Chapter 6E of the Hawaii Revised Statutes.

Prior to commencement of construction and monitoring activities, a coordination meeting shall be held with representatives of all pertinent parties. The procedures to be followed for monitoring, authority of the monitor to halt work in the immediate vicinity of a discovery, and the kinds of expected remains will be discussed.

All construction-related excavation work shall initially be monitored by one full-time monitor, until the nature and extent of subsurface cultural sensitivity and the contingent appropriate scoping can be determined. Following this initial period, the appropriate scope of monitoring; whether full-time, part-time, spot check, or on-call; shall be determined and implemented in consultation with SHPD.

If grubbed material is planned to be taken off-site, to the extent feasible, all inspections shall be completed within the project area prior to transporting.

If any significant remains are encountered during the course of monitoring, all construction activities in the immediate area shall be temporarily halted until the monitor can record and mitigate the remains or determine if additional procedures are needed. All archaeological methods, standards, and techniques for recording and collection of data will be followed.

Representative stratigraphic profiles shall be regularly recorded and any depositional anomalies shall also be documented. Photographic record of monitoring activities will be retained. No additional data recovery procedures shall be implemented without prior approval by the SHPD and consent of the Owner.

All inadvertent finds of human remains shall be treated in accordance with the provisions of Chapter 6E-43.6, HRS and HAR 13-300. Should any human remains be inadvertently discovered during the course of this undertaking, all construction activities shall be halted in the immediate vicinity. The Owner shall be consulted to assess the possibility of avoiding the findings. Whenever possible, avoidance shall be implemented. If possible, without further disturbance to the remains, the determination of the temporal and ethnic origins of the burial shall be attempted. If following these procedures, the remains are determined to be or suspected to be Native Hawaiian, measures shall be taken to ensure temporary *in situ* protection of the remains. The SHPD of the Department of Land and Natural Resources shall be contacted and a decision shall be made in coordination with the O`ahu Island Burial Council (OIBC) regarding *in situ* preservation or removal and re-interment. A burial treatment plan shall be prepared for approval by SHPD and the OIBC.

Following the field phase of this project, all necessary laboratory procedures shall be undertaken. This may include; processing, cataloging, and analysis of artifacts; analyses of any collected samples as warranted; and outside consultant analysis of radiocarbon samples. The collected data shall be synthesized and compiled into a final report to be submitted no later than 90 calendar days following completion of fieldwork.

All records, notes, photographs, and maps shall be archived at the facilities of Aki Sinoto Consulting in Honolulu. All recovered human skeletal materials shall be turned over to the SHPD Burials Program for temporary curation until final disposition can be determined in consultation with the OIBC. The final disposition of artifactual and sample materials shall be determined in coordination with the landowner and SHPD.

#### REFERENCES CITED

Nakamura, Barry and Jeffrey Pantaleo

1994 *Aspects of the History of Lualualei and Nanakuli, Wai`anae District O`ahu.*  
Prepared for DHM, Inc. Aki Sinoto Consulting. Honolulu.

Sinoto, Aki and Jeffrey Pantaleo

1994 *An Archaeological Assessment of Five Alternative Site Areas for the Proposed Nanakuli Public Library.* Prepared for DHM, Inc. Aki Sinoto Consulting. Honolulu.

Shidler, David

2001 *An Archaeological Inventory Survey of the Proposed New Nanakuli IV Elementary School, Nanakuli, Wai`anae, O`ahu.* Prepared for DAGS. Cultural Surveys Hawaii. Honolulu.

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APPENDIX B

LINDA LINGLE  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

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

PETER T. YOUNG  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON  
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU  
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

May 29, 2003

Wesley Obata  
Department of Design and Construction  
650 S. King Street, 11<sup>th</sup> Floor  
Honolulu, Hawaii 96813

LOG NO: 2003.0706  
DOC NO: 0305EJ51

Dear Mr. Obata:

**SUBJECT: Chapter 6E-8 Historic Preservation Review – Draft Environmental  
Assessment Canoe Halau at Nānākuli Beach  
Nānākuli, Wai`anae, O`ahu  
TMK: (1)8-9-001:002**

Thank you for the opportunity to comment on the draft EA for the proposed canoe halau at Nānākuli Beach Park. Our review is based on historic reports, maps, and aerial photographs maintained at the State Historic Preservation Division; no field inspection was made of the project area. We received notification of this undertaking from Environmental Communications on May 22, 2003.

The Archaeological Resources section of the DEA (Page 13) should clarify that although SHPD previously commented on proposed improvements to Nānākuli Beach Park, plans for a canoe *halau* were not included at that time (SHPD Log 28387, October 25, 2001). Nonetheless, our previous comments state that we believe that ground disturbances such as grading or grubbing have the potential to adversely affect significant historic sites, and that archaeological monitoring should be conducted on-site by a qualified archaeologist following an approved archaeological monitoring plan remains the same. If archaeological monitoring is conducted in accordance with an approved plan the proposed improvements would have "no adverse effect" on significant historic sites. An archaeological monitoring plan, *Archaeological Monitoring Plan for the Proposed Site Improvements Nanakuli Beach Park Nanakuli, Wai`anae, O`ahu*, Aki Sinoto Consulting, June 2002) was reviewed and accepted by SHPD (SHPD Log 30275, July 11, 2002) for the proposed improvements submitted at the time.

Wesley Obata  
Page Two

Although the canoe *halau* was not included in the archaeological monitoring plan previously accepted, we believe that if archaeological monitoring is conducted of all ground disturbance associated with the construction of the canoe *halau* following the previously approved plan, then the construction of canoe *halau* will have "no adverse effect" on significant historic sites.

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

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