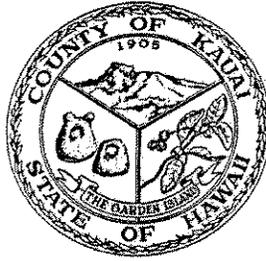


BRYAN J. BAPTISTE
MAYOR



DONALD M. FUJIMOTO
COUNTY ENGINEER
TELEPHONE 241-6600

GARY K. HEU
ADMINISTRATIVE ASSISTANT

LADYE H. MARTIN
DEPUTY COUNTY ENGINEER
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AN EQUAL OPPORTUNITY EMPLOYER
COUNTY OF KAUA'I
DEPARTMENT OF PUBLIC WORKS
4444 RICE STREET
MO'IKEHA BUILDING, SUITE 275
LIHU'E, KAUA'I, HAWAII 96766-1340

March 23, 2006

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

Subject: Finding of No Significant Impact (FONSI) for
Ha'ena County Beach Park Improvements
Ha'ena, Kaua'i, Hawai'i

Dear Ms. Salmonson:

The County of Kaua'i, Department of Public Works, has reviewed the comments received during the 30-day public comment period which began on December 23, 2005. The Department of Public Works has determined that this project will not have significant environmental effects and has issued a FONSI. Please publish this notice in the next available Environmental Notice.

We have enclosed a completed OEQC Publication Form and four copies of the Final EA. Please contact Nadine Nakamura at 808-822-0388 if you have any questions.

Sincerely,

Donald M. Fujimoto, P.E.
County Engineer

Attachments

/mn

RECEIVED
06 MAR 29 P 1:17
OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

APR - 8 2006

FILE COPY

Final Environmental Assessment
Submitted Pursuant to Hawai'i Revised Statutes,
Chapter 343

Ha'ena County Beach Park Improvements
Ha'ena, Kaua'i, Hawai'i

Tax Map Key: (4) 5-9-05:19

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

06 MAR 29 P 1:17

RECEIVED

Applicant:
County of Kaua'i
Department of Public Works
Division of Parks and Recreation
Lihu'e, Kaua'i

NKN Project Planning
March 2006

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1.0 PROJECT DESCRIPTION

1.1 Location

The Ha'ena County Beach Park is located in the district of Halele'a, Ha'ena Ahupua'a. The property is bounded to the north by the Pacific Ocean and Maninihola Bay. To the east is Manoa Stream, to the south the Maninihola dry cave, and to the west is the Ha'ena *pali*.

The parcel, Tax Map Key (4)5-9-05:19, is approximately 5.5 acres (239,487 square feet) in size. A location map is found in **Exhibit 1**.

The subject parcel abuts Kuhio Highway, Route 560, a state highway. The Highway ends at Ke'e Beach and the Ha'ena State Park, approximately one mile away. Ha'ena County Beach Park is approximately 37 miles from Lihu'e.

1.2 Proposed Action

The County of Kaua'i is proposing improvements to the existing facilities, and to bring the Park into compliance with the Americans with Disabilities Act (ADA) requirements, including:

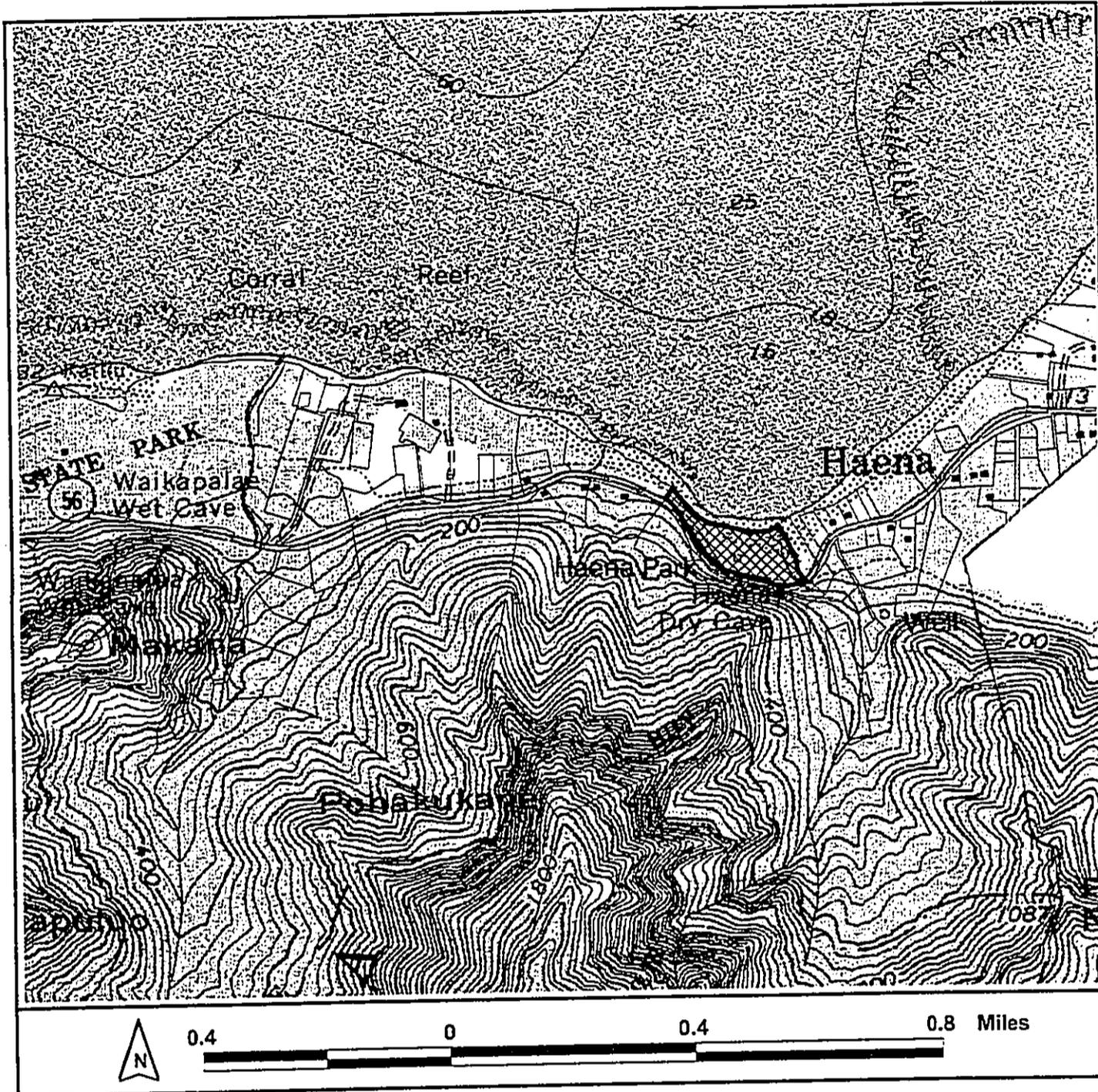
- Construction of a new ADA compliant comfort station will include two additional bathroom stalls
- Demolition of the existing comfort station
- Construction of new ADA compliant pathways to the pavilion, shower and parking stalls
- Construction of new ADA compliant designated parking stalls
- Parking area drainage and surface treatment improvements

1.3 Environmental Review Trigger

Use of State or County lands or funds triggers the environmental review process as defined by Chapter 343, Hawai'i Revised Statutes (HRS). Therefore, an Environmental Assessment is required.

1.4 Land Use

The County of Kaua'i General Plan land use designation is *Park*, and is designated as a *Special Planning Area* within the North Shore Development Plan. The subject parcel is also located within the County's Special Management Area. The State Land Use is Conservation (Limited Sub zone). General Plan, Special Management Area and State Land Use District maps are found in **Exhibits 2, 3, and 4**, respectively.



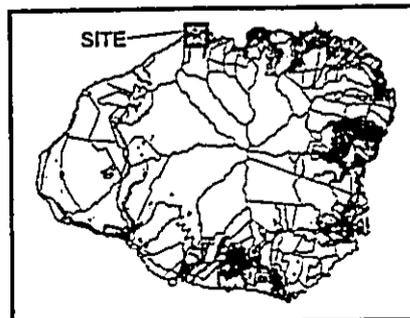
**Ha'ena Beach Park
County of Kauai**

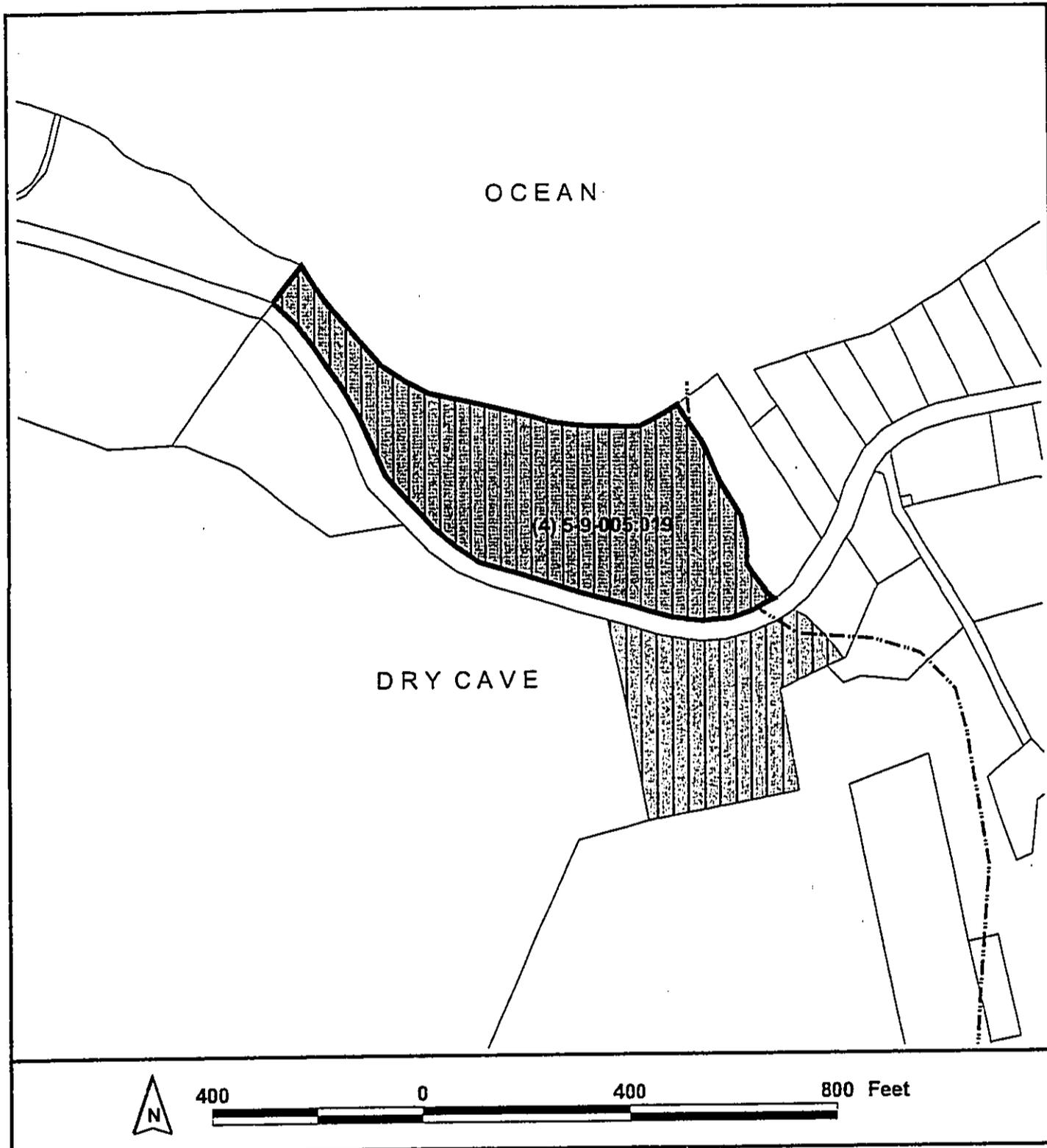
Prepared by
NKN Project Planning

LEGEND

-  USGS Digital Raster Grid
-  Parcels
-  (4) 5-9-005:019
Ha'ena Beach Park

**Exhibit 1
Location**





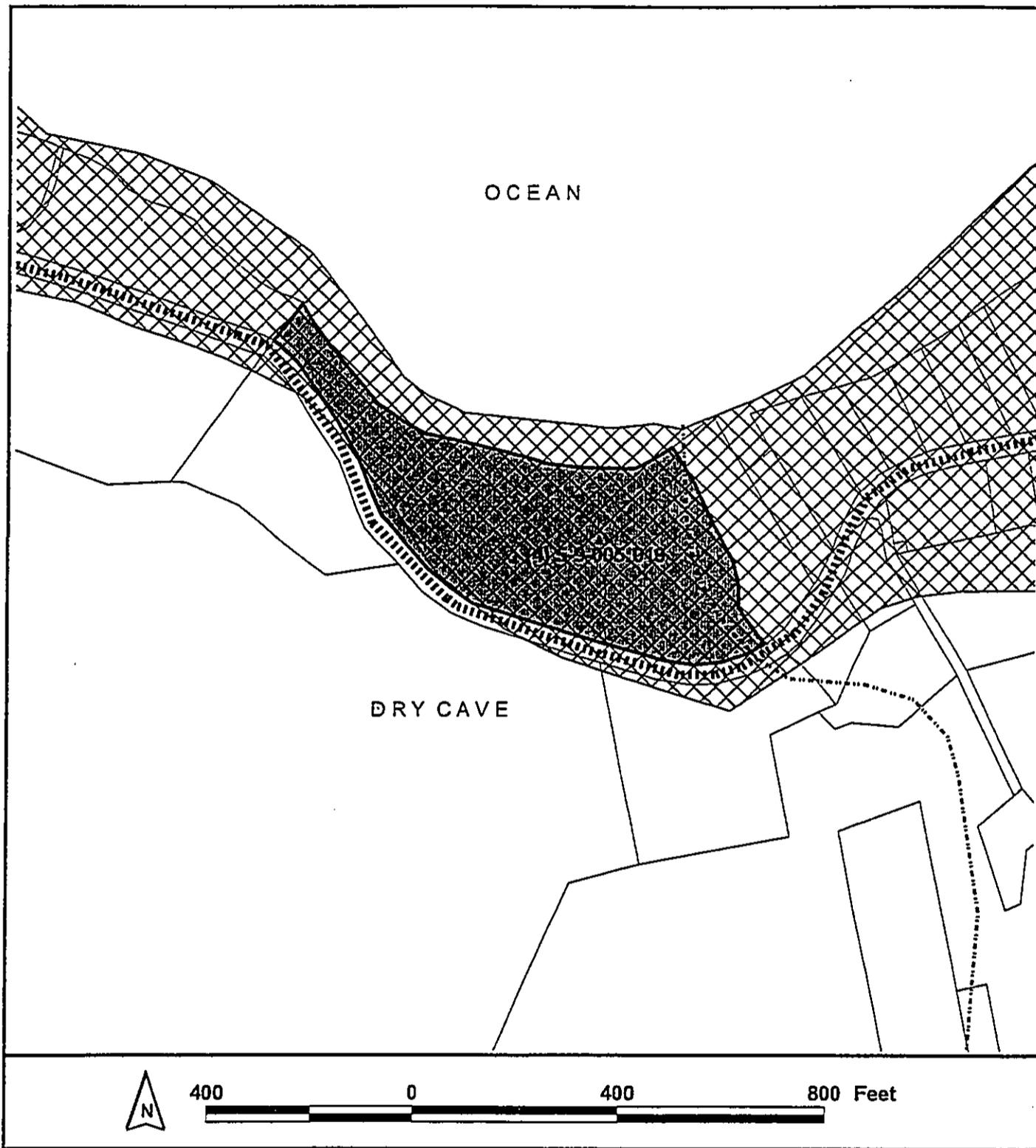
Ha'ena Beach Park
County of Kauai

Prepared by
NKN Project Planning

LEGEND

-  Manoa Stream
(Heritage Priority) Stream
-  Haena State Park
-  General Plan - Park
-  General Plan - Open

Exhibit 2
General Plan



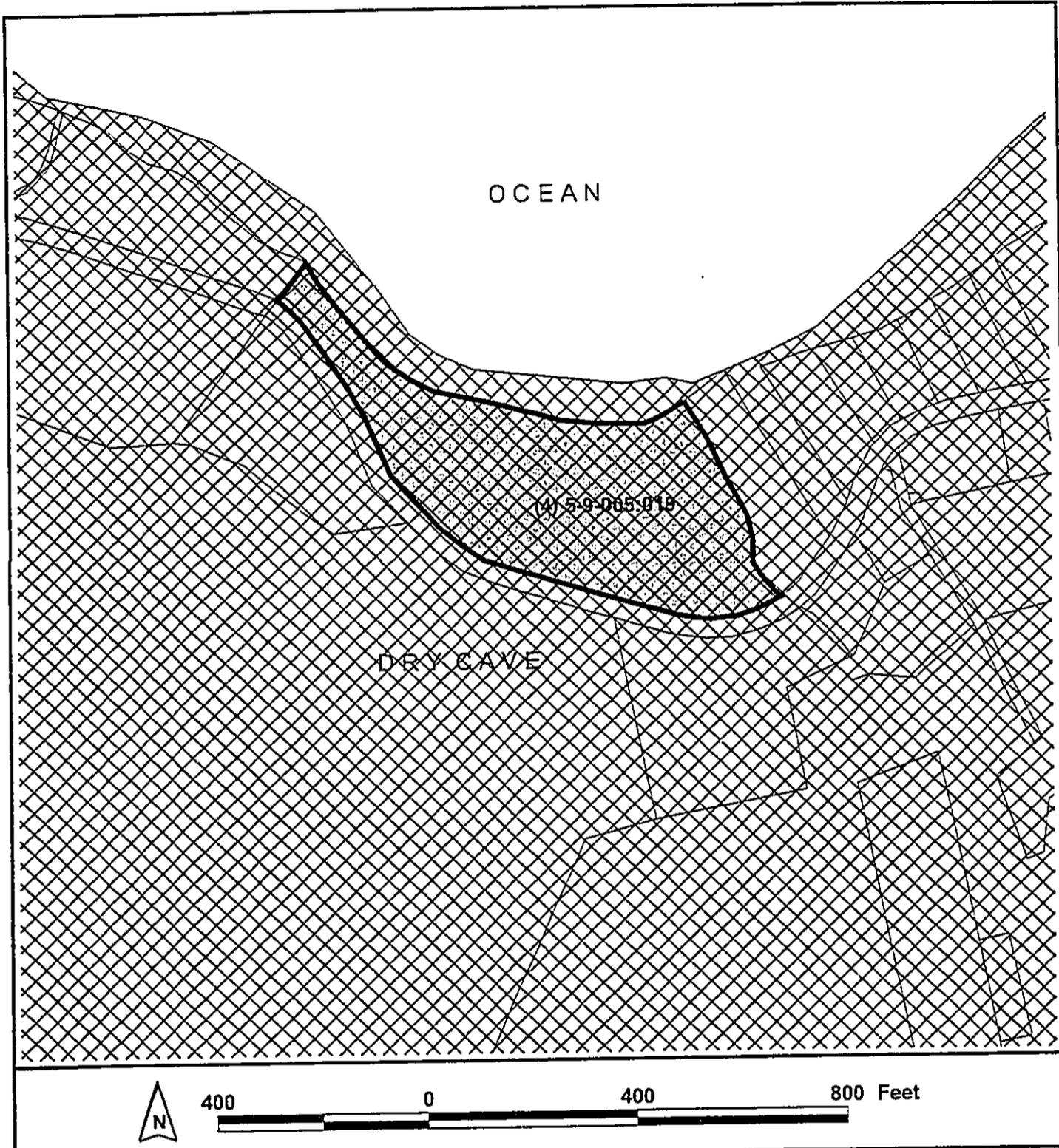
Ha'ena Beach Park
County of Kauai

Prepared by
NKN Project Planning

LEGEND

-  Manoa Stream
-  Highway
-  Special Management Area (SMA)
-  Ha'ena Beach Park
-  Parcels

Exhibit 3
SMA



**Ha'ena Beach Park
County of Kauai**

Prepared by
NKN Project Planning

LEGEND

-  State Land Use - Conservation
-  Ha'ena Beach Park
-  Parcels

**Exhibit 4
State Land
Use**

Ha'ena County Beach Park

The Conservation District has five subzones: Protective, Limited, Resource, General and Special. Omitting the Special subzone, the four subzones are arranged in a hierarchy of environmental sensitivity (Protective) to the least sensitive (General). These subzones define a set of identified land uses which may be allowed by discretionary permit. Ha'ena Beach Park is within the Limited subzone.

1.5 Project Schedule, Permits Required & Approximate Costs

The preliminary schedule and permits for the project include:

Complete Final Environmental Assessment	1 st Qtr. 2006
Special Management Area Permit	2 nd Qtr. 2006
Complete Conservation District Use Permit	3 rd Qtr. 2006
Grading Permits	4 th Qtr. 2006
Building Permits	4 th Qtr. 2006

Following the anticipated permit approvals, construction may begin in late 2006 or early 2007. The total cost of improvements is estimated to be \$500,000.

1.6 Technical Characteristics and Public Services

Parks and Recreation

Ha'ena County Beach Park is one of 17 beach parks on Kaua'i. The ADA requires at least one bathroom be accessible at each beach park, with an accessible pathway from the handicapped parking area. Current uses of the Park are shown in Exhibits 5 & 6.

Ha'ena County Beach Park is classified by the County as a Class III "Medium Use & Visibility" park. This classification defines the frequency and type of maintenance to be performed. Park personnel use the classifications as a guide for frequency of refuse removal, moving, trimming, watering, and maintenance.

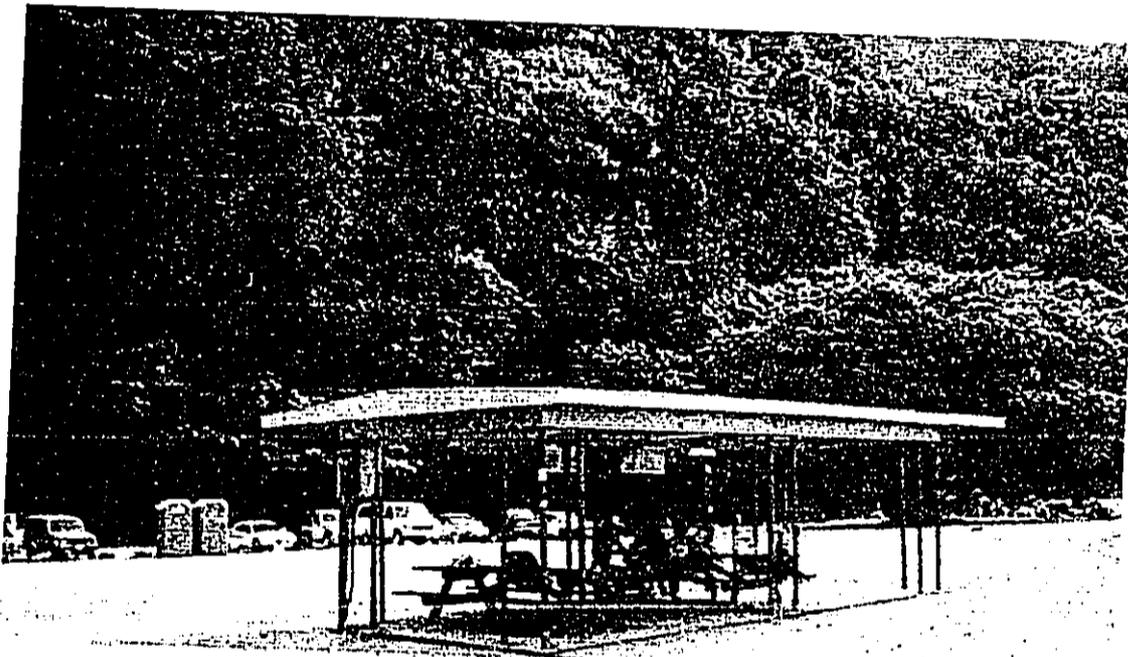
Existing facilities at the Park include the following:

- 1 pavilion
- 4 toilets (2 men's, 2 women), 2 temporary portables
- 2 inside sinks, 2 outside sinks
- 1 shower area
- 8 picnic tables
- 3 BBQ grills
- 8 trash containers, no recycling
- 2 public telephones, 1 emergency 911 telephone
- 1 lifeguard stand

Ha'ena County Beach Park



Ha'ena Beach Park: view towards Hanalei.



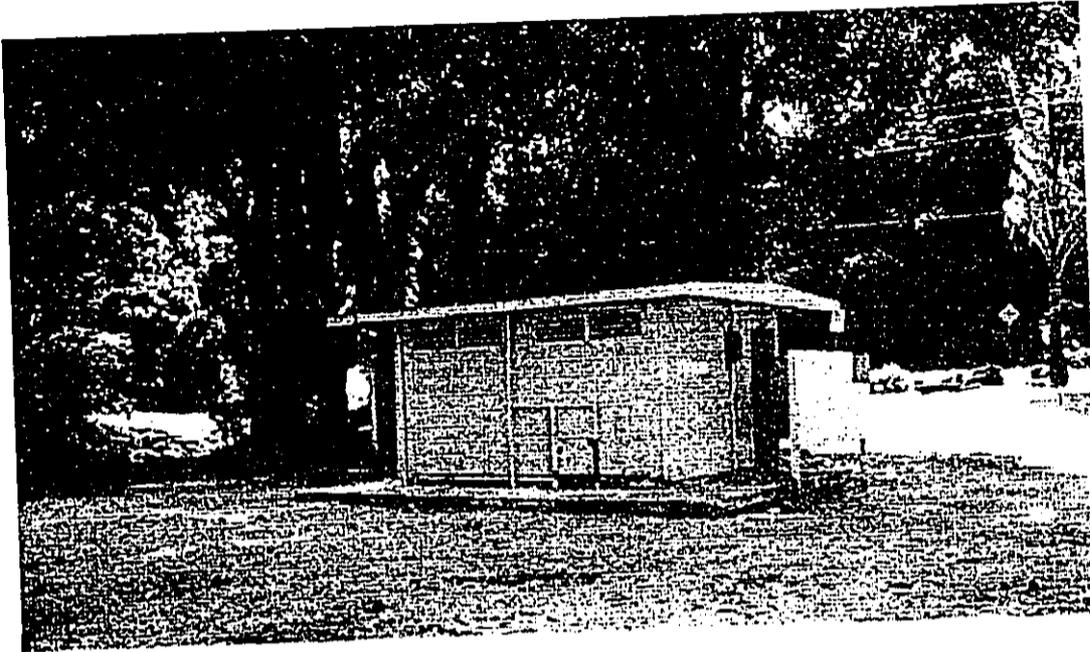
Ha'ena Beach Park: Pavilion

Ha'ena Beach Park: Special Management Area permit,
Conservation District Use Permit

NKN Project Planning

Exhibit 5

Ha'ena County Beach Park



Ha'ena Beach Park: Existing Comfort Station to be demolished



Ha'ena Beach Park: Parking area, lunch wagon.

**Ha'ena Beach Park: Special Management Area permit,
Conservation District Use Permit**

NKN Project Planning

Exhibit 6

Ha'ena County Beach Park

The Park area is grassed, with some large shade trees around the perimeter. At western end, an unimproved area is used for overflow parking and commercial kayak launching.

A site plan showing proposed improvements is found in **Exhibit 7**. The floor plan and exterior elevations of the new comfort station are shown in **Exhibit 8**.

The primary Park users are families, residents, visitors, and campers, who pole and spear fish, swim, body board, snorkel, collect shells and pick *limu* on the reef. The clean, coarse-grained, coral sand beach area is mostly frequented in the summer months when wave activity is small. In the winter, there is surfing and windsurfing offshore. Kayaks traveling to Na Pali launch from the unimproved western end of Park on an informal basis.

Residents also use the Park for family gatherings and parties. Camping with a permit is allowed within the Park. County permits are limited to 85 individuals at one time, and are for six nights only, with the park closed to campers on Monday nights. Limited electrical connections are available.

Two commercial lunch wagon concessions have been issued permits on a month-to-month basis. Concessionaires must remove the lunch wagons at night as a condition of their permits.

Parking and Transportation

Personal vehicles are the primary mode of transportation to reach the Park although some small van-size tour busses stop occasionally. Kaua'i's public transportation service, *The Kaua'i Bus*, concludes its' route in Hanalei. The parking area is unpaved and vehicles park informally, sometimes in two rows, along the entire width of the Park. According to the County Park Ranger, in addition to the regular Park users, some vehicles use the parking lot as a staging area for hiking Na Pali, and leave their cars overnight, or for several nights. Beach-goers who spend time at *Makua* beach occasionally park at this location.

Lifeguard & Ocean Safety Services

Lifeguards at Ha'ena County Beach Park provide the only water safety services beyond Hanalei town. Lifeguard services consist of two lifeguards on duty seven days a week from 9:00 AM to 5:00 PM. Full time lifeguards and lifeguard stand have been on site for about five years. According to the County of Kaua'i Park Ranger for Ha'ena Beach Park, park usage has increased since the lifeguards have been on site. He also believed that some beachgoers turn around Ke'e Beach and come to Ha'ena County Beach Park after seeing there is no lifeguard present at Ke'e.

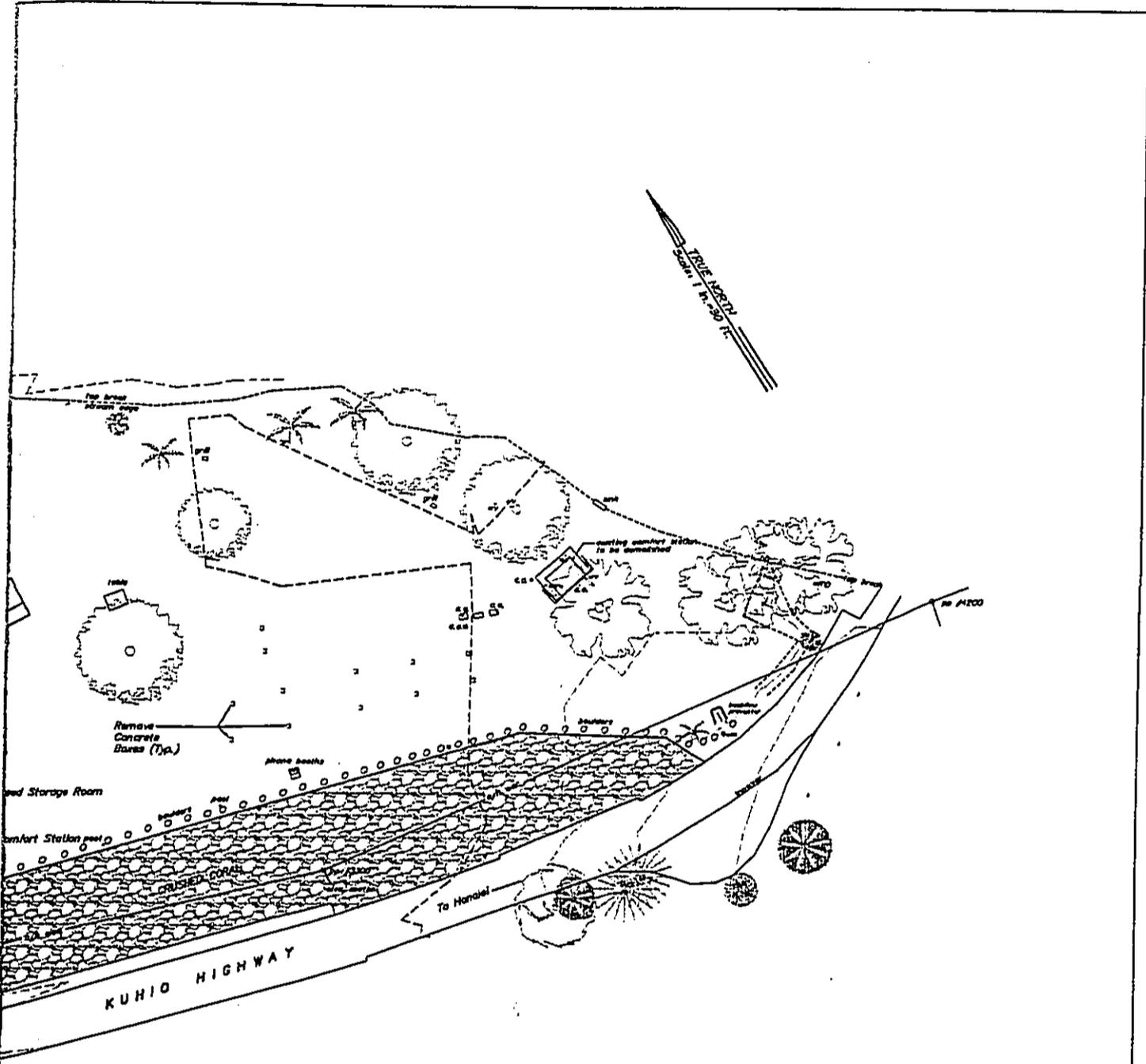
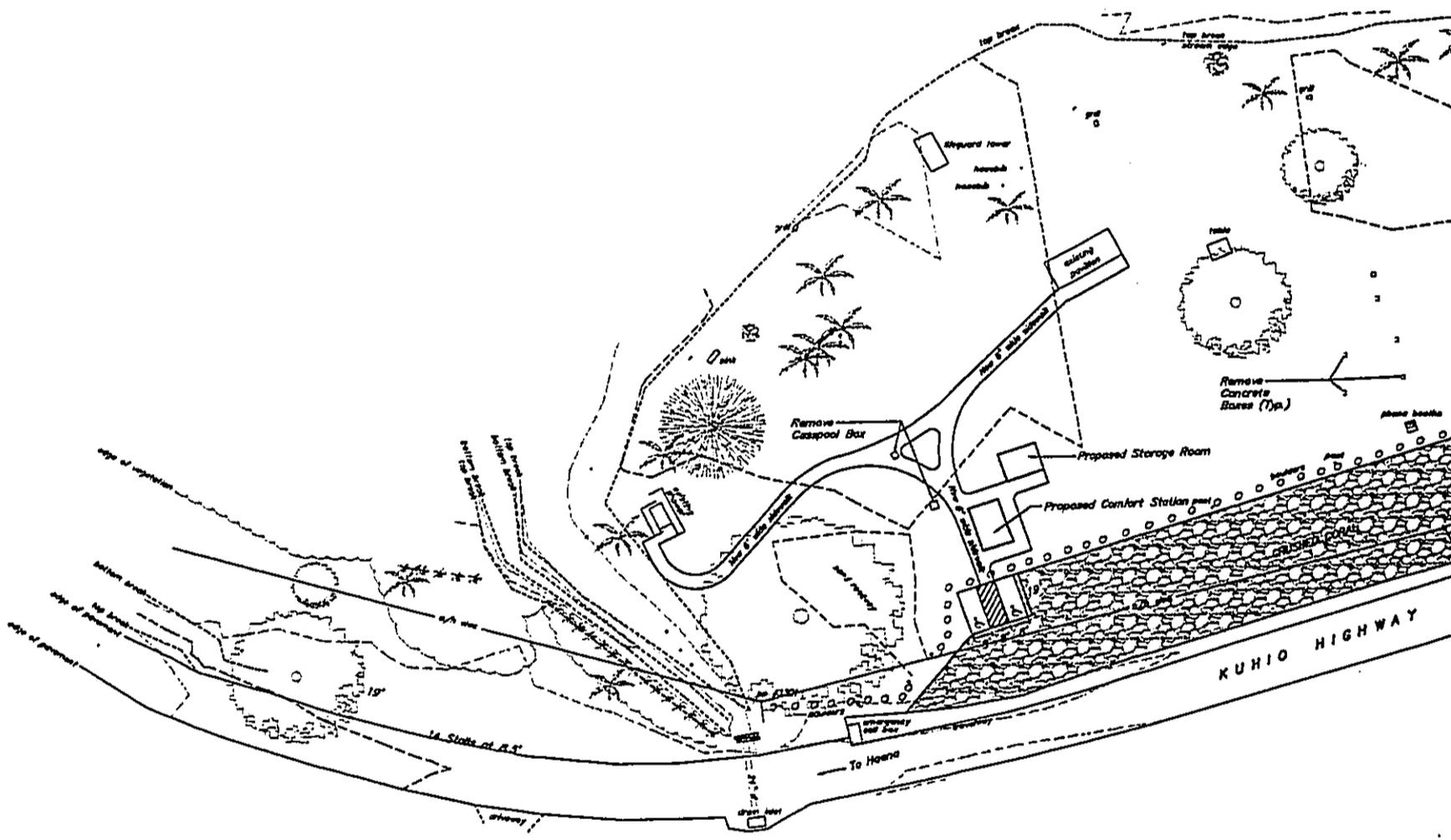
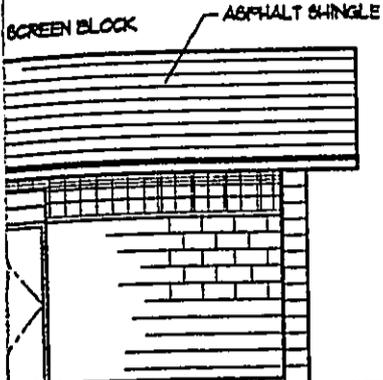


EXHIBIT 7

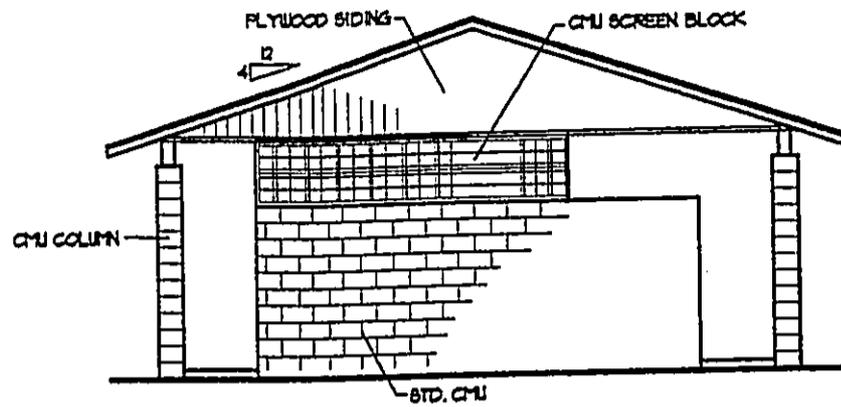
PRELIMINARY SITE PLAN HAENA BEACH PARK

Owner: County of Kauai

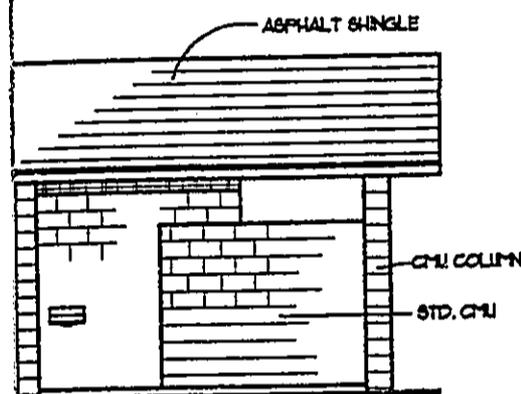




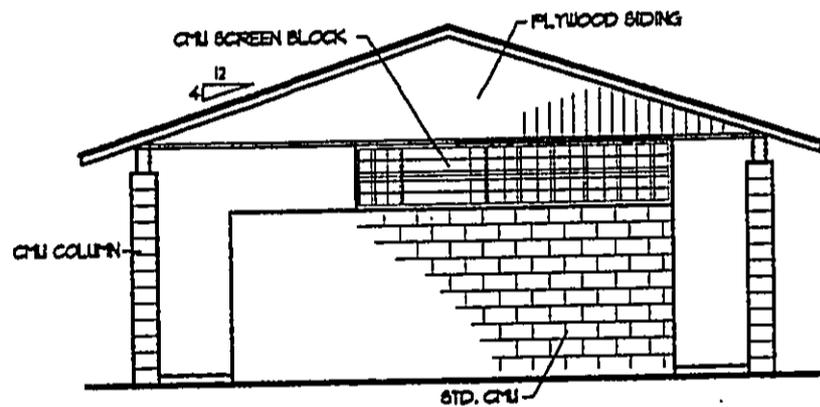
VATION
SCALE: 1/8" = 1'-0"



LEFT ELEVATION
SCALE: 1/8" = 1'-0"



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



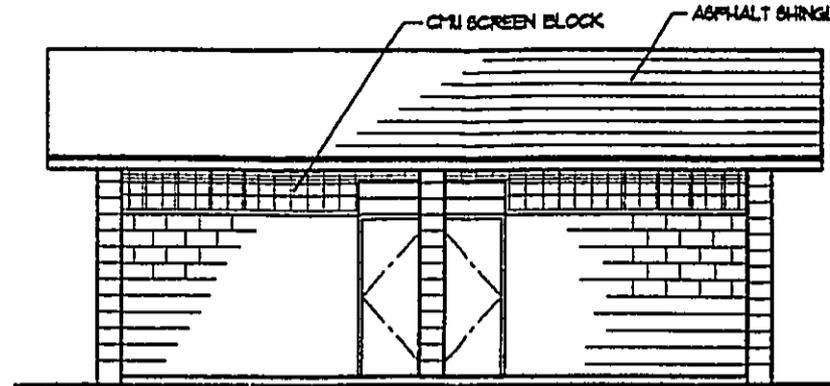
RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

EXHIBIT 8

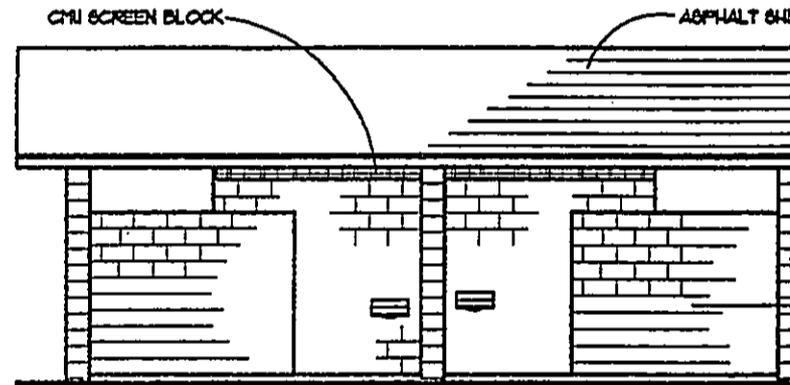
REVISION	DATE	DESCRIPTION	BY	APPROVED
COUNTY OF KAUAI				
HAENA BEACH PARK				
FLOOR PLAN, EXTERIOR ELEVATIONS				
			APPROVED: _____ <small>COUNTY ENGINEER, DEPT. OF PUBLIC WORKS, COUNTY OF KAUAI</small>	
KODANI AND ASSOCIATES, INC. LEHUE, KAUAI, HAWAII 96796				
DESIGNED BY: _____	DRAWN BY: _____	CHECKED BY: _____	SHEET	DATE
			A-1	
			OF	SHEETS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

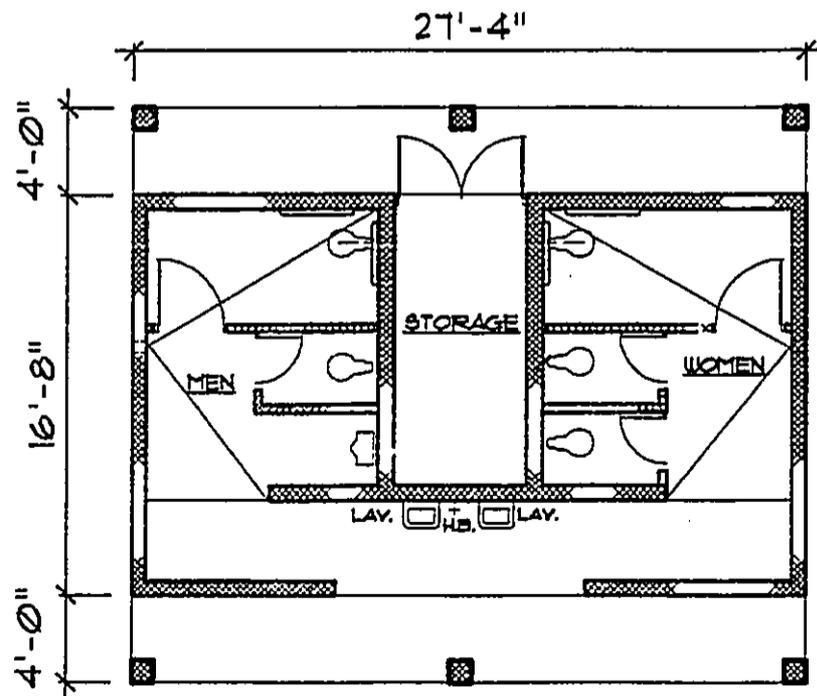
Signature
Exp. Date 4-30-08



REAR ELEVATION
SCALE: 1/8" = 1'-0"



FRONT ELEVATION
SCALE: 1/8" = 1'-0"



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

Police and Fire Services

The Princeville Fire Station serves the subject property and the Kaua'i Police Department (KPD) substation is located in Princeville approximately nine miles away. The main KPD headquarters is located in Lihu'e.

Medical Services

Emergency medical services are provided through the County's 911 communications center. Ambulance service is provided by American Medical Response. At this time, there is a sole practitioner's doctor's office in Hanalei, and the Kaua'i Medical Clinic (KMC) has a facility in Kilauea. Regional medical services are available in Lihu'e at G.N. Wilcox Memorial Hospital, approximately 37 away, and more than one hour by automobile.

Sewage Treatment and Disposal

One new individual wastewater system will be installed in conformance with the State of Hawai'i, Department of Health Administrative Rules, Chapter 11-62 "Wastewater Systems." All structures constructed on the property are required to comply with County and State building code and building permit procedures.

One existing cesspool and one existing septic system will be closed in accordance with the Department of Health requirements.

Solid Waste

Solid waste disposal is provided by the County of Kaua'i, Department of Public Works.

Utilities & Communications

Utilities available for this location include electric (Kaua'i Island Utility Cooperative), and two public telephones (Hawaiian Telcom). At the western boundary of the park there is a solar-powered 911-emergency telephone. The Hawai'i State Civil Defense, through the Department of Accounting and General Services, is proposing to install a civil defense warning siren at Ha'ena Beach Park.

Water

The property is provided with potable water from the County of Kaua'i's existing domestic water system. Currently, the Department of Water (DOW) has determined that there is sufficient source and storage to service the proposed park improvements. The DOW stated that water service will be limited to the existing water meters to the

lot. Any request for additional or larger sized water meters will be dependent on the adequacy of the source, storage, and transmission facilities existing at that time.

1.7 Socio-Economic Characteristics

Demographic Data

The 2000 U.S. Census reported that Kaua'i had a resident population of 58,463 (estimated 61,929 for 2004). The data reported for the Hanalei Census tract 401 was 6348 resident population, a 37.1 percent increase from the 1990 census data. Other relevant data follows:

Number of Households	2428
Median Household Income	\$42,586
Per Capita Income	\$27,651
Persons Below Poverty Level	768
Percent Below Poverty Level	12.1%

Using the Census Designated Place¹ data for Hanalei only, the predominant ethnic groups² are White (70.7%), Asian (32%), Native Hawaiian and Other Pacific Islander (18%) and All Others (7.9%).

More than one million tourists visited Kaua'i in 2004. According to a Hawai'i Tourism Authority study, there were approximately 686,000 visitors at nearby Ha'ena State Park.

Environmental Justice

Public meetings were held at the Hanalei Courthouse on May 19, 2005 and September 6, 2005. Notices for both meetings were placed at the Hanalei Community Center and on the Hanalei Community Association bulletin board in Ching Young Village. Email notices were sent to about 50 Hanalei-Ha'ena residents for each of the two meetings. There were eight attendees at the first meeting and 15 at the second.

For the second meeting, in addition to the above, an invitation letter was sent to about 36 neighbors and long-time local residents living in the vicinity who had been identified by the community as having a particular interest in the resources of the area.

¹ Within Census Tract 401, more detailed community profiles were available for the geographic areas of Hanalei (town), Princeville, Kalihiwai and Kilauea.

² Race alone or in combination with one or more other races. Adds up to more than 100% as individuals may have reported more than one race.

Residents who participated in the public meetings did not express any concerns related to the subject of environmental justice such as adverse impacts on marginalized populations, or social or economic impacts on indigenous groups. A summary of the May 19, 2005 meeting is included in **Appendix A**. A summary of the September 6, 2005 meeting is included in **Appendix B**.

Cultural Impact Assessment

Act 50 requires state agencies and other developers to assess the effects of proposed land use or shore line developments on the "cultural practices of the community and State" as part of the HRS Chapter 343 environmental review process (2001).

In October 2005, a Cultural Impact Assessment (Assessment) was prepared for the Ha'ena County Beach Park. The Assessment was prepared using the methodology and protocol provided in the Guidelines for Assessing Cultural Impacts (Office of Environmental Quality Control 1997). Letters briefly outlining the development plans along with maps of the project area were sent to individuals and organizations whose jurisdiction includes knowledge of the area with an invitation for consultation.

Analysis of the potential effect of the project on cultural resources, practices or beliefs, its potential to isolate cultural resources, practices or beliefs from their setting, and the potential of the project to introduce elements which may alter the setting in which cultural practices take place were assessed. The Assessment concluded that:

The project area is used for traditional cultural purposes, such as fishing, swimming, and gathering beach resources. Based on its present use as a County park, it is reasonable to conclude that pursuant to Act 50, Hawaiian rights or any ethnic group, related to gathering, access or other customary activities within the project area will not be affected and there will be no adverse effect upon cultural practices or beliefs by development activities at Park.

Economic

There will be short-term economic benefits to the island such as employment of contractors and construction workers who will build the new park infrastructure. No new long-term employment is expected to result from this project.

Historic, Cultural and Archaeological Resources

In 1999, an Archaeological Inventory Survey of Ha'ena Beach Park was completed for the subject parcel. A charcoal-stained silty-sand layer was found indicating human activity in the area. The survey concluded that due to natural

and cultural processes that have heavily modified subsurface contexts within the area, the site is no longer considered significant.

The project site does not contain any historic or archaeological sites listed on the State and National Registers of Historic Places (Registers). Abutting the Park, the Kaua'i Belt Road (Kuhio Highway Route 560) fronts the Park, and the Manoa [Stream] Ford (on Kuhio Highway) is close by. These sites are listed on the Registers. Further to the west in the Ha'ena State Park is the Ha'ena Archaeological Complex, and beyond that, the Na Pali Coast Archaeological District are on the Registers.

1.8 Environmental Characteristics

Climate, Rainfall & Wind

The average rainfall is about 80 to 100 inches of rain per year according to the *Atlas of Hawai'i*. At this location the majority of rainfall is orographic because of the close proximity of the cliffs to the Park. Orographic precipitation is generated by a forced upward movement of air upon cliffs, which cools the air, and results in the formation of clouds and rainfall. The closest rain gauge is located in nearby Wainiha (ID# WNHH1).

Annual temperatures range from the mid-60's to mid-80's. Winds generally originate from the northeast (trade winds), although between October and April, Ha'ena may come under the influence of the southerly or southwesterly Kona storms.

Geology & Topography

Kaua'i is one of the oldest of the Hawaiian Islands and consists of a single shield volcano built up from the sea floor by thousands of thin flows of basaltic lava. Following the volcanic period, long periods of erosion, waves cutting high sea cliffs, and streams cut deep canyons Ha'ena Beach Park is located within the *ahupua'a* of Ha'ena, in the hanging valley of Manoa, which is between Wainiha and Limahuli.

Ha'ena County Beach Park is at the center of a broad "V"-shaped shoreline embayment³ facing due north, known as Maninihola Bay. Two well-formed coral reefs are contained within the Maninihola Bay: Hauwa Reef to the west and Makua Reef to the east.

The beach fronting the Park is significantly wider than other beach areas to the west and east and seasonally, can be as wide as 200 feet. The offshore reefs extend about 1000 – 1500 offshore with water depths of mostly 1-5 feet, providing much protection to the shoreline during typical trade wind waves. The

³ DHM Inc. et. al., *Kaua'i Shoreline Erosion Study*.

interior portion of the bay is sheltered from the trade wind waves and is calm in the summertime.

Aquatic Resources

As defined by Hawai'i Administrative Rules, Chapter 11-54-2 the waters adjacent to Ha'ena County Beach Park are classified as Class AA Open Coastal Marine Waters with nearshore reef flats. The proposed project is not anticipated to have any negative impacts on these waters.

This project does not include waterbodies contained in the *List of Impaired Waters in Hawai'i Prepared under Clean Water Act § 303(d)*.

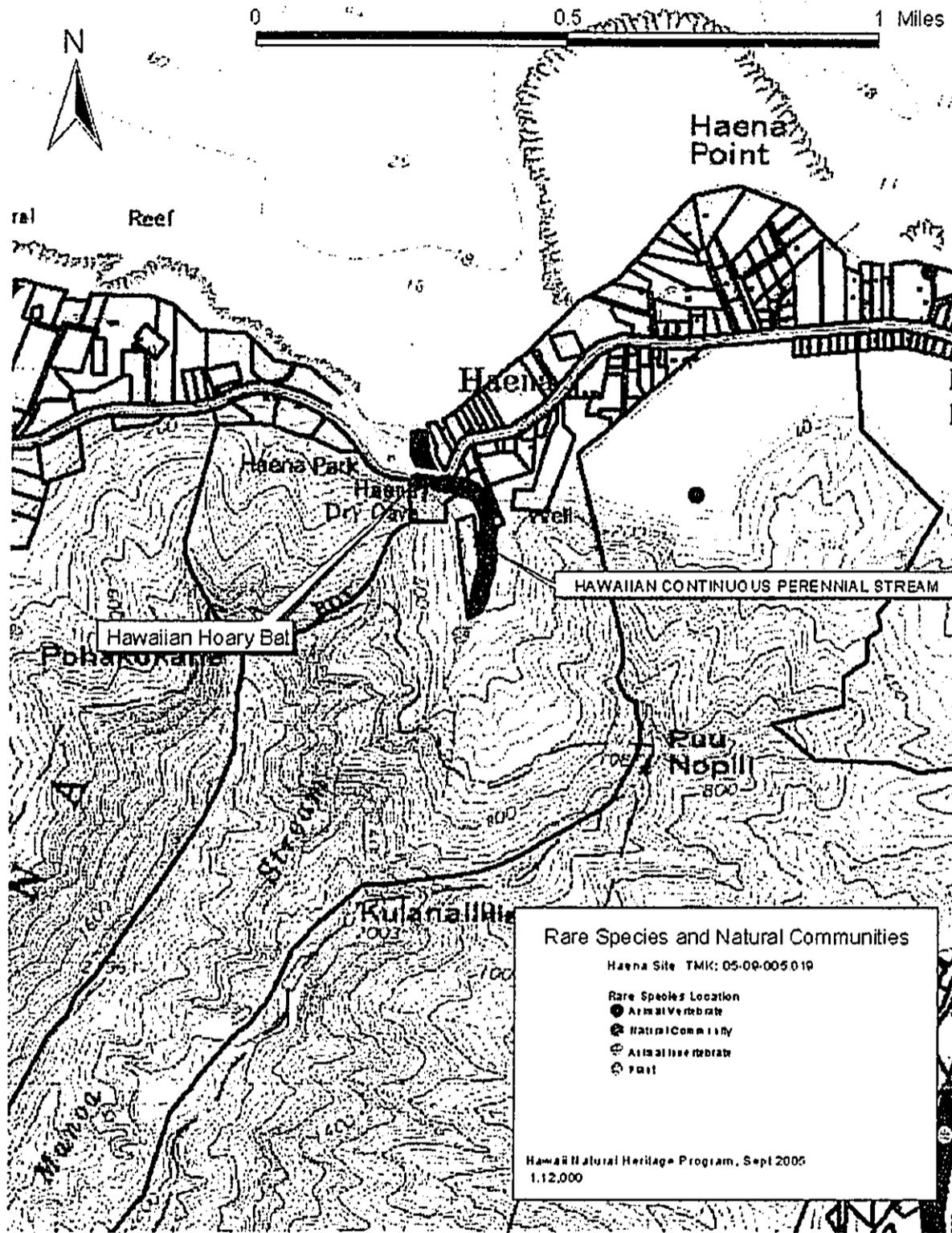
No NPDES permits have been submitted or obtained at this time. An NPDES application will be submitted at the time grading permits are sought by the contractor and will contain the applicable information required by the permitting agencies. The grading plans and permits will also address the Total Maximum Daily Loads (TMDLs). TMDLs have not yet been established at the location of this project. The grading plans will address any effects on TMDLs resulting from this project.

Flora and Fauna

A botanical survey of the Park was conducted on October 6, 2005. The vegetation of the Ha'ena Beach Park site is overwhelmingly dominated by naturalized, alien species, although four species that are indigenous or questionably indigenous to the Hawaiian Islands were found. With the exception of *Pandanus tectorius* (hala) represented by two distinct individuals, all the other native species were represented by numerous clumps of individual plants growing in the northernmost area between the mowed lawn and the beach. Indigenous vines of *Ipomoea pes-caprae* (pohuehue, beach morning glory) and indigenous *Scaevola taccada* (naupaka) were found in high numbers in the section between the grass flat and the Manoa Stream. *Chyrsopogon aciculatus* (golden beardgrass), a questionably indigenous grass, holds the sand substrate together just east of the lifeguard tower. All of the native species found on the Ha'ena Beach Park site are relatively common and widespread and are not considered to be rare, threatened, or endangered by either the State of Hawaii (Division of Forestry & Wildlife) or the U.S. Fish and Wildlife Service.

According to the Hawai'i Natural Heritage Program, University of Hawai'i, there are two rare items recorded on the property. As shown in **Exhibit 9** the Hawaiian Hoary Bat (*Lasiurus cinereus semotus*) which is listed endangered, was observed in 1987, although the exact location was not specified.

Ha'ena County Beach Park



Source: Hawai'i Natural Heritage Program
 Center for Conservation Research and Training
 University of Hawai'i at Manoa

Exhibit 9

The other item recorded is associated with Manoa Stream. The *Hawai'i Stream Assessment* identifies the Stream as a "high quality" perennial stream. The *Assessment* lists one rare plant associated with the Stream's riparian resources but does not indicate where the plant is located. The Stream's aquatic resources include native species of endangered 'o'opu *alamoo*, *nakea*, and *nopili*. Cultural surveys of Manoa Stream are "very limited" and "little or no information exists" concerning any potential cultural resources. The Park, camping, hunting, and scenic views are listed as the Stream's recreational resources in the *Assessment*.

Soils

Soils within the Ha'ena Beach Park belong to the Jaucas-Mokuleia association.⁴ This association consists of excessively drained and well-drained soils in dunes and on former beach areas on the island of Kaua'i. These soils are nearly level to moderately sloping, with coarse-textured underlying material. They developed in coral or basaltic sand. Found on coastal plains, the association makes up about 1 percent of the island.

Jaucas soils make up about 60 percent of the association and Mokuleia soils 25 percent. Dune land and Jaucas soils, dark variant, make up the rest.

Jaucas soils have a surface layer of pale-brown to grayish-brown, very friable loamy fine sand to sand. The substratum is light-colored loose sand. Mokuleia soils have a surface layer of very dark-brown, friable fine sandy loam. The substratum is dark-brown to dark grayish-brown, loose fine sand to sand. The lands in the area of the subject property have been given a "D" productivity rating by the Land Study Bureau.⁵

Hazards: Tsunami, Hurricane, Flooding & Coastal Erosion

Ha'ena County Beach Park is subject to tsunami, hurricane, and flooding from high surf.⁶ Nearby Manoa Stream Ford may flood during periods of heavy rainfall. These areas are shown in Exhibit 10.

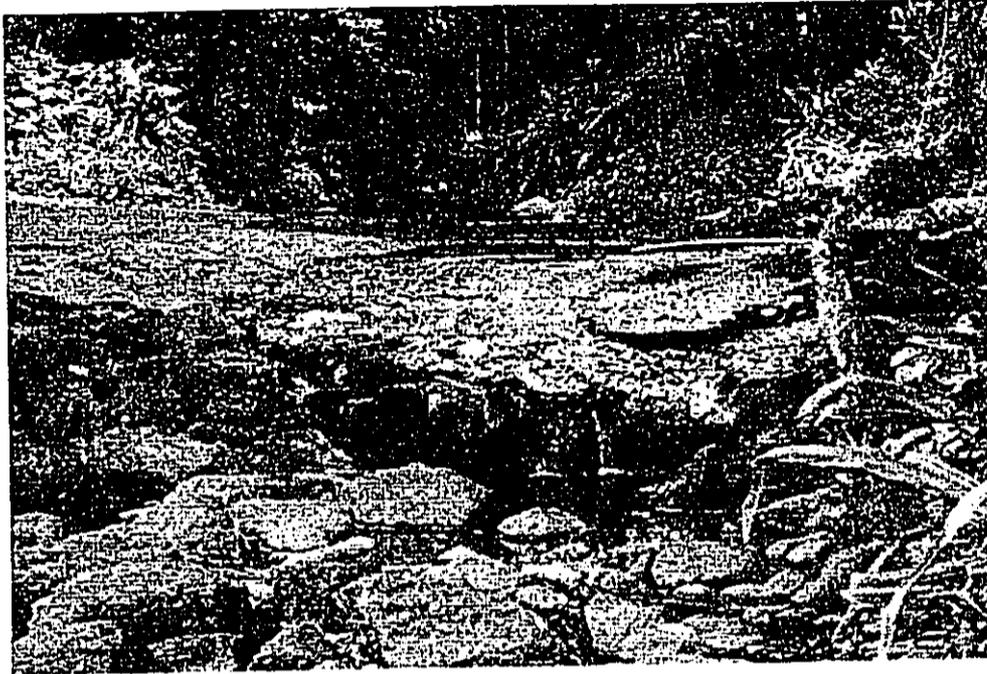
This coastal region receives the full force of any tsunami originating from disturbances in the North Pacific. The 1946 tsunami inundated Ha'ena by producing a 45-foot high wave. A 34-foot high wave inundated the Ha'ena area in 1957. Storms and hurricanes have also impacted beaches in the region bringing high storm surf and coastal erosion. These events have caused major shifts in sand dunes and their formation, and over time, have changed the coastal topography in the area.

⁴ University of Hawai'i, College of Tropical Agriculture and Human Resource (CTAHR). "General Soil Map of Kaua'i and Soil Associations."

⁵ State of Hawai'i, Department of Business, Economic Development & Tourism. Office of Planning. Land Study Bureau maps. A "D" rating is given to lower productivity lands.

⁶ Fletcher, Charles, et. al. *Atlas of Natural Hazards in the Hawaiian Coastal Zone*.

Ha'ena County Beach Park



Ha'ena Beach Park: Nearby Manoa Stream Ford (bordering east end of Park)



Ha'ena Beach Park: High surf on October 23, 2005, looking northeast.

**Ha'ena Beach Park: Special Management Area permit,
Conservation District Use Permit**

NKN Project Planning

Exhibit 10

Ha'ena County Beach Park

The vicinity of Ha'ena Beach Park is one of the areas studied in the Federal Emergency Management Agency (FEMA), Flood Insurance Study, County of Kaua'i, Hawai'i, September 16, 2005. The parcel is identified on the Federal

Emergency Management Flood Insurance Rate Map, Panel 150002-0030E, and shows the parcel located in Zone VE. Zone VE means areas in the "Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined." The flood elevations for the Park range from 34 to 36 feet msl (mean sea level).

In the winter, the shoreline section is directly exposed to the North Pacific swell and can create hazardous conditions for swimmers. During the winter months, the Park is sometimes impacted by high surf events, occasionally washing into the parking area or onto the highway.

The nearest gauging station for surface water is the United States Geological Station located on Limahuli Stream. Data for the 2003 – 2004 year show the daily mean values range from 4.59 to 26.1 cubic feet per second at this location. Manoa Stream data is not available, however, the Ford is subject to flooding in periods of heavy rainfall and the road crossing may temporarily close.

A 1990 shoreline study of coastal erosion from Ha'ena Point to Ha'ena Beach Park estimates the future long-term change for the next 30 years will show visible evidence of massive undercutting at the vegetation line, long-term recession of the water line, and narrowing of the beach width.⁷

⁷ DHM Inc., et. al., *Kaua'i Shoreline Erosion Study*.

2.0 AFFECTED ENVIRONMENT, POTENTIAL IMPACTS, AND MITIGATION MEASURES

2.1 Existing Land Use

The subject property is located in the *North Shore Development Plan, Special Planning Area*. The region is best described in Development Plan as an area:

"...extremely rich in natural resources. These resources establish the unique setting in which the existing communities have developed and maintained their lifestyles. Maintenance of the natural beauty, and ecological systems that characterize the North Shore must take priority over any new development. Scenic resources consist of steep sea cliffs, picturesque beaches and bays, broad fringing reefs, streams and waterfalls, and deep verdant valleys. Excellent outdoor recreational opportunities exist..."

The Plan further recommends that:

"...only basic supportive facilities should be provided at outdoor recreation areas selected for widespread public use in order to enhance the experience. Improvements should be limited to such things as access, comfort stations, trash receptacles, water fountains, emergency telephones and parking..."

The Kaua'i Parks & Recreation Master Plan (1978) calls for the Park to be used on a passive/informal recreation basis as well as a regional basis.

Impacts and Mitigation Measures

Since the Park is currently being used as a public park, no negative impacts are expected. Parking lot improvements and constructing ADA compliant facilities will improve the overall usability and convenience of the Park.

2.2 Topography, Geology, Soils

Manoa Stream borders Ha'ena Beach Park to the east. The Stream is not included in the Hawai'i State Department of Health 2004 List of Impaired Waters in Hawai'i. During periods of high rainfall, the Stream can be subject to flash flooding.

Impacts and Mitigation Measures

The proposed development may slightly alter the topography of the area. Some minor grading will occur within the comfort station area, and the parking area will be graded to improve drainage. Proper permits will be obtained for any land altering construction. The project will abide by the County of Kaua'i, Department of Public Works' new drainage standards. Best Management Practices for erosion

and sediment controls will be implemented during the course of construction to mitigate any negative impacts to Manoa Stream.

2.3 Flora & Fauna

As previously described in Section 1.7, Flora and Fauna, all of the native species found on the Ha'ena Beach Park site are relatively common and widespread and are not considered to be rare, threatened, or endangered.

The Hawaiian Hoary Bat (*Lasiurus cinereus semotus*) which is listed as endangered was observed in 1987.

Although the *Hawai'i Stream Assessment* identifies lists one rare plant associated with the Manoa Stream's riparian resources the *Assessment* did not indicate where the plant is located.

Impacts and Mitigation Measures

No rare, threatened and/or endangered species of flora were found in the project area. The proposed parking area and comfort station improvements should not have any negative impacts on fauna within the project site. Best Management Practices will be followed to mitigate any negative impacts to Manoa Stream and its potential riparian resources.

No new landscaping is proposed. In the event that new landscaping is installed, the Department of Public Works, Parks Division, will make every effort to use native and endemic vegetation.

2.4 Historic, Archaeological and Cultural Resources

The project site does not contain any historic or archaeological sites listed on the National and State Registers of Historic Places. As previously mentioned, there are historic sites near the Beach Park. These include:

- Kaua'i Belt Road (Kuhio Highway Route 560)
- Manoa [Stream] Ford (on Kuhio Highway)
- Ha'ena Archaeological Complex (State Park)
- Na Pali Coast Archaeological District

An Archaeological Inventory Survey of Ha'ena Beach Park was completed for the subject parcel in May 1999.

Impacts and Mitigation Measures

The Historic Preservation Division confirmed that there are no historic properties present and that an acceptable archaeological survey had been completed. No impacts to historic sites, *iwi kupuna*, or native Hawaiian cultural or traditional deposits are anticipated unless during the construction phase cultural deposits or

burials are inadvertently discovered on the property. In that case, all work will immediately cease, and the State of Hawai'i, Department of Land and Natural Resources will be contacted.

2.5 Scenic and Visual Resources

The Kaua'i General Plan identifies this general area as a Scenic Roadway Corridor. The North Shore Development Plan specifically identifies the public scenic view plane along the coast towards the ocean.

Impacts and Mitigation Measures

This proposal will not significantly affect the scenic and visual resources of the area. At the east end of the subject parcel, the existing comfort station will be demolished. The new comfort station will be located at the west end of the Park in the *mauka* area near the parking lot. The large grassy expanse of the Park will remain open with unobstructed views with the exception of the existing pavilion and lifeguard stand.

2.6 Air Quality and Noise

The project involves construction of a new comfort station, pathways, and parking lot improvements. The existing comfort station will be demolished.

Impacts and Mitigation Measures

During the construction phase of the project there may be short-term, temporary impacts in air quality from dust, and equipment noise. Construction machinery will increase noise levels. Contractors will work during reasonable hours of the day and comply with State Department of Health noise regulations during construction. The County of Kaua'i will require contractors to comply with all applicable Federal, State and County permitting requirements. Should noise levels exceed the permissible sound levels, a noise permit will be obtained from the Department of Health, as stated in title 11, HAR, Chapter 11-46, entitled "Community Noise Control."

2.7 Drainage and Hazards

A drainage study was not conducted for this project as the proposal involves minimal grading of an existing parking area to prepare it for the placement of crushed coral which will be compacted. A small area will be graded for the new comfort station and concrete pathways.

The parcel is identified on the Federal Emergency Management Flood Insurance Rate Map, Panel 150002-030E (September 16, 2005), and shows the parcel located in Zone VE. Zone VE areas are identified as "Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined." The Base Flood Elevation for the subject parcel is between ranges from 34 to 36 feet.

Prior to Hurricane Iniki in 1992, there was a second comfort station located at the western end of the Park. It was not rebuilt after Iniki due to flood requirements. The County of Kaua'i has now received permission from the State's National Flood Insurance Coordinator that allows the comfort station to be constructed at ground level.

Impacts and Mitigation Measures

The parking lot area will be minimally graded and compacted crushed coral will be installed. Presently some storm water remains on site and percolates into the ground, some drains into the unimproved drainage swale at the western end of the parcel, and some drains into Manoa Stream. However, this project will not alter the existing drainage pattern, and the future conditions will remain the same as those currently in effect. Storm water runoff quantities are not anticipated to increase over the existing parking. During all construction phases of the project Best Management Practices will be followed to contain any construction materials on site, and prevent any negative impacts to Manoa Stream or storm water runoff that may flow into the ocean.

The drainage standards contained in the County of Kaua'i's Stormwater Runoff System Manual, dated July 2001, as well as storm drainage standards have and will be followed for this project.

As a condition of constructing the new comfort station at grade, the State's National Flood Insurance Coordinator is requiring the following mitigation measures:

1. Walls of the comfort station facing the direction of the waves are to be breakaway.
2. The comfort station shall be designed by a professional engineer or professional architect and certified to be breakaway.
3. The comfort station will not qualify for flood insurance. Kaua'i County would be responsible for the cost of the repair of the comfort station. No disaster funds will be available to repair the comfort station.
4. During a tsunami or hurricane event, all power and water to the comfort station are to be turned off.
5. Kaua'i County shall hold harmless the State and FEMA for construction of this comfort station and shall take full liability of the comfort station in the V zone.

2.8 Transportation

Trucks carrying construction materials will cross over nine historic bridges and the Manoa Ford on Kuhio Highway, Route 560. Weight limits include:

<u>Bridge</u>	<u>Mile Post</u>	<u>Posted Weight</u>
Hanalei	MP 1.2	15 tons
Waioli	MP 3.45	8 tons
Waipa	MP 3.96	8 tons
Waikoko	MP 4.27	8 tons
Wainiha #1	MP 6.44	8 tons
Wainiha #2	MP 6.70	8 tons
Wainiha #3	MP 6.73	6 tons
Ha'ena #1	MP 7.49	10 tons
Ha'ena #2	MP 8.44	10 tons

Impact and Mitigation Measures

Contractors will be prohibited from carrying construction material loads that exceed the posted weight limits. Construction contracts will include information concerning all bridge limitations and contractors will be prohibited from exceeding the posted weights. Transporting materials to the project will occur Monday through Friday, during regular business hours.

2.9 Economic Activity

The proposed Park improvements are estimated to cost about \$500,000.

Impacts and Mitigation Measures

The planning, design, and construction of the proposed project will generate temporary employment opportunities. This will incrementally improve Kaua'i's economy in the short-term. No long-term economic impacts or benefits are anticipated from this project.

2.10 Gathering and Access Rights

During the construction phase of the project, there may be temporary reconfiguring of, or detours to, the existing access to and along the shoreline.

Impacts and Mitigation Measures.

Native Hawaiian traditional gathering rights and public access will not be restricted to and along the shoreline, although the access may occur in different or temporary locations of public access routes to ensure the safety of park users.

3.0 ALTERNATIVES TO THE PROPOSED ACTION

3.1 "No Action" Alternative

One alternative is not to proceed with the proposal. This alternative would result in the facilities at the Park not being in compliance with the Americans with Disabilities Act. The parking area would continue to degrade.

3.2 Alternative Considerations

The three alternatives considered include ADA and parking area improvements. All three alternatives assume the construction of a new ADA compliant comfort station, paved pathways, and handicapped parking stalls.

For the parking area improvements, there were three treatments considered: crushed coral, a combination of crushed coral and "grass-pave," and asphalt. These alternatives were discussed at the two Hanalei Community Association Meetings. The advantages and disadvantages were discussed for each alternative.

Alternative No. 1: ADA Improvements and Crushed Coral in Parking Area (Preferred Alternative)

Discussion of the advantages of crushed coral included: More in keeping with the rural characteristics of the area, least expensive to construct, and promotes on-site percolation. Disadvantages included: It could create some ponding during heavy rain, and it requires higher maintenance cost than asphalt/concrete.

Alternative No. 2: ADA Improvements and Combination Crushed Coral & "Grass-pave" in Parking Area

Favorable discussion on this alternative included: May be possible to grow grass in the "grass-pave" in keeping with the rural character, promotes on-site percolation, and parking and driveway areas would be clearly defined. The disadvantages discussion included: The high cost to construct, and the highest maintenance cost (watering, mowing, etc.).

Alternative No. 3: ADA Improvements and Asphalt or Concrete in Parking Area

The advantages discussion included: Stalls could be marked, low maintenance requirements, and moderate cost to construct. The disadvantages included: Not in the rural character, no percolation – drainage would be off-site (Manoa Stream or into the earthen culvert to the west of the Park).

Alternative No. 1 is the preferred alternative.

4.0 DETERMINATION

The impacts of the proposed action have been assessed. The proposed action will not cause significant negative impacts to the environment. Therefore, a Finding of No Significant Impact (FONSI) is found. The determination of a FONSI is based on the following:

1. ***The proposed action does not involve an irrevocable commitment to loss or destruction of any natural or cultural resources;***
No significant natural or cultural resources have been identified on the property.
2. ***The proposed Action will not curtail the range of beneficial uses of the environment;***
The current Park uses will continue. Improvements will be made within the existing environs currently being used by residents and visitors.
3. ***The proposed action does not conflict with the State's long-term goals or guidelines as expressed in Chapter 344, HRS, State Environmental Policy;***
The project is consistent with the State's long-term environmental goals and will not have any significant negative effects on the environment.
4. ***The proposed action does not substantially affect the economic or social welfare of the community or state;***
The social welfare of the community will be positively improved with the construction of new parking stalls, a comfort station and pathways that are ADA compliant. Economic impacts on the community and state will not be negatively affected, although some short-term economic benefits will occur during the construction phase.
5. ***The proposed action does not substantially affect public health;***
The Park improvements will not negatively affect public health. The construction of a new comfort station with a new septic system should improve the overall water quality of nearshore waters. There may be short-term temporary impacts with noise and dust occurring during the construction phase of the project.
6. ***The proposed action does not involve substantial secondary effects;***
With the exception of short term construction impacts, no substantial secondary impacts are anticipated from this action.
7. ***The proposed action does not involve substantial degradation of environmental quality;***
Best Management Practices will be used during the all construction phases on the proposed improvements.

8. ***The proposed action does not cumulatively have a considerable effect on the environment or involve a commitment to larger actions;***
The Park improvements will not have a cumulative effect on the environment as the parking area improvements will be located in the existing parking area, and the existing comfort station will be demolished following the construction of a new ADA compliant comfort station.
9. ***The proposed action does not affect a rare, threatened, or endangered species or its habitat;***
One endangered Hawaiian Hoary Bat was observed on the property in 1987. Any Hoary Bats present in the project should not be affected by the proposed project. The rare riparian and aquatic resources associated with Manoa Stream (see Section 1.7) will not be disturbed by the proposed action as activity will not occur within the Stream.
10. ***The proposed action does not detrimentally affect air or water quality or ambient noise levels;***
Aside from temporary disruptions during the construction of the comfort station and parking area improvements, air, water and noise impacts will be minimal.
11. ***The proposed action does not affect an environmentally sensitive area;***
The project site is not considered an environmentally sensitive area. There are no rare, threatened, or endangered native plant species in the park.
12. ***The proposed action does not substantially affect scenic vistas and view planes; and***
The subject parcel has not been specifically identified as a scenic resource. Existing scenic vistas and view planes from Kuhio Highway towards the ocean and coastline will not be impacted by the proposed action.
13. ***The proposed action does not require substantial energy consumption.***
The proposed action will not require any additional energy consumption.

5.0 AGENCIES CONSULTED

Copies of the Draft EA were sent to the agencies, organizations and individuals listed below:

State

Department of Transportation, Highways Division
Department of Health
DLNR, State Historic Preservation Division
DBEDT, Office of State Planning
Office of Hawaiian Affairs
UHM, Environmental Center
Department of Accounting and General Services

County

The Honorable Bryan Baptiste, Mayor
The Honorable Kaipo Asing, Chair, County Council
Department of Planning
Department of Public Works
Department of Water
Kauai Burial Council
Kaua'i Historic Preservation Review Commission

Community and Other Organizations

Hanalei Community Association
Hale Halawai Ohana 'o Hanalei
Lihu'e Public Library
Princeville Public Library

Individuals

Carl Berg
Greg Goodwin

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7.0 APPENDICES

Appendix A Hanalei Community Association Meeting Summary 5-19-05

Appendix B Hanalei Community Association Meeting Summary 9-6-05

Appendix C Agency Comments

Appendix A

Meeting Summary Hanalei Community Association Hanalei Courthouse May 19, 2005 at 7:00 p.m.

1. Nadine Nakamura introduced project team: Mel Nishihara, County of Kaua'i Parks Division Chief, Clyde Kodani, engineer, and Barbara Robeson, research & writing.
2. Description of Project. Mr. Nishihara described the three components of the project:
 - A. Constructing a new Comfort Station (CS) with a slightly larger footprint than the existing Station. It will be located in the western area of the park. The existing Comfort Station will be discontinued, but the building may be used for other purposes. The plan is to have the design similar to the Kapa'a Town or Anahola CS's (concrete block, gable roof, earth tones).
 - B. Improvements to the parking area, including possible expansion and improvements to the sandy area to the west. The parking area treatment (e.g., gravel, paving, etc.) has not yet been decided.
3. Comments from the Public
 - Could the CS septic system concrete vent squares on the lawn be removed? Think they are a safety problem.
 - What's the water table? Will the new septic system need to be raised/mounded?
 - Prefer same materials on old and new parking areas. No objection to asphalt.
 - Crushed coral might be better but it is hard to get.
 - Waves go into the parking lot on Ha'ena side. What about using a product like Geo Web and fill it with sand? It could just be smoothed out or refilled after high surf.
 - Parking area could be left as is.
 - High waves come up to the lifeguard tower.
 - Like to see more light in the CS – maybe an opaque roofing material.

- Santa Monica, California has very nice bathrooms – all stainless steel inside, plenty of light, vandal proof.
- Concerns about residents being able to use the park (day-use and camping).
- Park can't rest when occupied all the time. Like the idea of "no camping day(s)".
- Having a lifeguard at the Park has shifted the users to this location even though swimming here is not very safe. Large waves on the left side in winter.
- Like open air pavilions. Further discussion about adding additional pavilions, and balancing keeping the park rural with encouraging more park use. It's a dilemma.
- Like to have new CS towards the left of the Park.
- Possible consider a pavilion near the road on the right?
- Like to keep the Park undeveloped.
- Like to have the Park available for local uses.
- Was a composting toilet considered? Problems with moving solids out – requires lots of maintenance – the stuff needs to dry.
- Could the Park be a pesticide-free park?

4. Resources for Cultural Resources

Nadine collected the names of several people who could be contacted as a source of information about cultural resources of the area.

5. Conclusion

The consultants will come back to the community when preliminary plans have been developed. Feedback from the public will be sought.

Once plans are complete, consultants will work on the environmental assessment and Conservation District Use Permit.

Recorded by:
Barbara Robeson

Appendix B

Meeting Summary Hanalei Community Association Hanalei Courthouse September 6, 2005 at 7:00 p.m.

1. Nadine Nakamura introduced project team: Mel Nishihara, County of Kaua'i, Parks Division Chief, and Clyde Kodani, engineer.
2. Nadine Nakamura noted this was the second meeting to inform and update the community on the improvement projects planned for Ha'ena County Beach Park. She shared an updated site plan with the group, and explained that three steps are: the preparation of an environmental assessment, an SMA permit, and a CDUA. The timeline with a best case scenario would be that the last permit would be approved in mid-June 2006.

A handout was distributed and discussed (attached).

3. Recap of Consensus/Support

- The majority of those present preferred Option #1 (crushed coral) for the parking area treatment. (Option #2 = 1 person, Option #3 asphalt = 2, Option #3 concrete = 1).
- Use crushed coral and live with the circumstances
- Keep the parking area where it is not (don't move boulders)
- Construct the comfort station closer to the road than shown on the plan
- Move the septic system(s) as far from the ocean as possible
- Leave the west end (unimproved area) of the Park as is
- Consider placing the future storage shed at the west end of the Park in the vicinity of the new comfort station.
- Coordinate/combine access for lifeguards and ADA requirements
- Consider curved, more natural paved ADA walkways, and with colored concrete as examples.

4. Comments

General

- Delineate access for lifeguards. Coordinate access way (at left of park) with ADA and lifeguards.
- Make curved walkways, natural looking. Make colored concrete or dark stone still in ADA compliance.

Parking Area – Main Area

- Parking should be crushed coral, organic, no tar or concrete. Natural surfaces are best.
- Proposed sight plan only shows one row of cars. This doesn't make sense unless you move the boulders more mauka. There is enough space for two rows of cars, and that's how people park. You can park three times as many cars as shown on the plan.
- All cars will fit in the parking area if you use coral. If spaces are marked, it will limit the number of parking spaces.
- Oil and gas in the parking area should percolate, not run off.
- Sand would be ideal [as a parking lot treatment].
- There is a constant movement of sand in the parking lot – from wind, and when there is high surf.
- Grass Pave would trap sand.
- Crushed coral is a proven – it will work.
- Crushed coral is hard to maintain.
- If intention is to move rocks, parking will be lost. Maybe more in keeping with carrying capacity of the park. Cars come here because end of the road is full. [This is part of a regional problem.]
- If boulders are moved, and parking area is made smaller, cars will park on the mauka side of the road, on the new shoulders just constructed by DOT. This area is very dangerous. Someone died here from falling rocks. Parking here should not be allowed.
- Questions about the various treatment costs (crushed coral, grass pave, asphalt and concrete).
- Preserve the rural area – crushed coral is the way to go.
- County: if everyone is happy with crushed coral, we have no problem with it. Parking will be a free-for-all, local style.
- Parking should remain uncontrolled.
- Need to discuss the pro/con of reducing parking. Don't shrink. Keep as is. Don't make more.

Parking Area – West End

- By putting stalls here, you will legitimize the unregulated kayak launch activities that are now occurring there. [Difficult to control, might be possible to authorize a certain number and control.]
- Leave as is. Sand here moves around from wind and surf. Any treatment won't last. It's a waste of money.

Comfort Station

- As proposed, it is in the area where local families camp and make an outdoor kitchen area. Prefer it be closer to the parking lot.
- Could you build a more attractively designed bathroom?

Septic System

- Strong concerns about water quality. Cesspools percolate into the sand and ocean. Need to designate leach fields for septic as far away as possible from the ocean.
- Area is packed. Need to consider capacity of septic and oversize septic and leach fields if necessary.

Commercial Activity in Park

- Re commercial uses by kayaks: Would be better to put up a sign saying "no commercial activity in parking lot." [Code says no commercial activity in the parks.]
- Current commercial activity also includes the lunch wagons and they park over night. [Two lunch wagons have County permits. They use their own electricity. They are not permitted to park there over night.]

Future Storage Shed

- Prefer that new storage shed be to the left, in same area as new comfort station. This will preserve the scenic vistas through the park to the ocean.
- Combine new storage shed with construction of new lua? [Not enough money in the budget now. Might never be built.]

Recorded by:
Barbara Robeson

Appendix C

Agency Comments and Responses to Draft Environmental Assessment

1. Kaua'i Historic Preservation Review Commission
2. Kaua'i Water Department
3. State Historic Preservation Division
4. State Department of Transportation
5. State Department of Health
6. State Office of Hawaiian Affairs
7. State Office of Environmental Quality Control
8. State Department of Accounting and General Services

COUNTY OF KAUAI
PLANNING DEPARTMENT
4444 RICE STREET, SUITE A473
LIHUE, KAUAI, HAWAII 96766-1326

MEMORANDUM

DATE: January 25, 2006
TO: Nadine K. Nakamura, Principal
NKN Project Planning
FROM: Kauai Historic Preservation Review Commission *KC*
SUBJECT: Haena County Beach Park Improvements
Tax Map Key: (4)5-9-5:19
Haena, Kauai, Hawaii

This is to inform you that the Kauai Historic Preservation Review Commission (KHPRC) met on March 4, 2004 to discuss your request for comments regarding the Draft Environmental Assessment for the above project as necessary to meet the requirements of Chapter 343, HRS.

It is the KHPRC's understanding that the improvements to existing facilities is required to bring the park into compliance with the American Disabilities Act (ADA) requirements and that the 1999 Archeological Inventory Survey completed in 1999 concluded that due to the natural and cultural processes that have heavily modified subsurface contexts within the area, the site is no longer considered significant.

In light of this information, the KHPRC accepted the Draft Environmental Assessment as submitted. Please contact Rick Tsuchiya at (808)241-6677 should you have any questions.

Mahele.

cc: State Historic Preservation Division
Ms. Genevieve Sahnunson, OEQC
McI Nishihara, County of Kauai, Public Works



March 21, 2006

Rick Tsuchiya
Kauai Historic Preservation Review Commission
County of Kauai
4444 Rice Street, Suite A473
Lihue, HI 96766

Dear Commission Members,

SUBJECT: Draft Environmental Assessment, Haena County Beach Park
Improvements, Haena, Kauai, Hawaii. TMK (4) 5-9-05:19.

This is to acknowledge receipt of comments provided by the Kauai Historic Preservation Review Commission on January 25, 2006, regarding the Haena County Beach Park Improvements Environmental Assessment.

Your comment letter will be incorporated into the Final Environmental Assessment. If you have any questions, please contact me at 822-0388.

Sincerely,

Nadine K. Nakamura
Principal

4830 Liliuokalani
Lihue, Hawaii 96746
Telephone (808) 822-0388
Cellular (808) 675-1507



Water has no substitute.....Conserve it

January 11, 2006

County of Kauai
c/o NKN Project Planning
4849 Iiwi Road
Kapaa, HI 96746

Dear Sir or Madam:

Subject: Draft Environmental Assessment, Ha'ena County Beach Park Improvements,
TMK: 5-9-05: 019, Ha'ena, Kauai, Hawaii

Water service will be limited to the existing water meters to the lot. Any request for additional or larger sized water meters will be dependent on the adequacy of the source, storage, and transmission facilities existing at that time.

If you have any questions, please contact Mr. Keith Aoki at (808) 245-5418.

Sincerely,

Gregg Fujikawa
Chief of Water Resources and Planning

11/11/06 10:00 AM

c: Ms. Genevieve Salmonson, OEQC
Mr. Mel Nishihara, COK, Department of Public Works

NKN PROJECT PLANNING



March 21, 2006

Mr. Gregg Fujikawa
Chief of Water Resources and Planning
County of Kauai
Department of Water
P. O. Box 1706
Lihue, HI 96766

Dear Mr. Fujikawa,

SUBJECT: Draft Environmental Assessment, Ha'ena County Beach Park Improvements, Ha'ena, Kauai, Hawaii. TMK (4) 5-9-05:19.

This is to acknowledge receipt of comments provided by the County of Kauai, Department of Water January 11, 2006, regarding the Ha'ena County Beach Park Improvements Environmental Assessment.

The Final Environmental Assessment has been amended to reflect your comments stating that any request for additional or larger sized water meters will be dependent on the adequacy of the source, storage, and transmission facilities at the time of the project work.

If you have any questions, please contact me at 808-822-0388.

Sincerely,

Nadine K. Nakamura
Principal

4619 Tule Road
Kapaa, Hawaii 96716
Telephone (808) 822-0388
Cellular (808) 635-1507



March 21, 2006

Ms. Nancy McMahon
Hawaii Historic Preservation Division
State of Hawaii
Department of Land and Natural Resources
601 Kamokila Boulevard, Room 555
Kapolei, HI 96707

Dear Ms. McMahon,

SUBJECT: Draft Environmental Assessment, Haleaena County Beach Park Improvements, Haleaena, Kauai, Hawaii
TMK (4) 5-9-05:19
Reference: Log # 2005.2543.

This is to acknowledge receipt of comments provided by the Hawaii Historic Preservation Division, Department of Land and Natural Resources on December 28, 2005, regarding the Haleaena County Beach Park Improvements Environmental Assessment.

The Final Environmental Assessment has been amended to reflect your comments. If you have any questions, please contact me at 808-822-0388.

Sincerely,

Nadine K. Nakamura
Nadine K. Nakamura
Principal

4819 Tava Road
Kapolei, Hawaii 96707
Telephone: (808) 822-0388
Fax: (808) 822-0387
E-mail: (808) 822-0387
http://www.dlnr.state.hi.us

STRATEGIC PLANNING • PERMITTING • COMMUNITY PLANNING • COLLABORATION BUILDING

Applicant/Agency: NKN Project Planning
For: Department of Public Works, County of Kauai

Address: 4849 Iiwi Road
Kapolei, HI 96746

SUBJECT: Chapter 6E-42 Historic Preservation Review - Draft EA for Haleaena County Beach Park Improvements

Alupua: Haleaena
District, Island: Halealei, Kauai
TMK: (4) 5-2-09 and 5-2-11

1. We believe there are no historic properties present, because:
- a) intensive cultivation has altered the land
 - b) residential development/urbanization has altered the land
 - c) previous grubbing/grading has altered the land
 - d) an acceptable archeological assessment or inventory survey found no historic properties
 - e) other:

2. This project has already gone through the historic preservation review process, and mitigation has been completed.

Thus, we believe that "no historic properties will be affected" by this undertaking.

Signed: Nancy McMahon *Nancy McMahon* Date: 1/22/06

Title: Archeologist for Kauai

Cc: Mel Nishihara, County of Kauai, Department of Public Works
Ms. Genevieve Salmonson, OEQC

0

C

LEWALAKALE
CONTRACTOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KALAU DISTRICT
1720 HALELEKUA STREET
LEHUE, HAWAII 96768

December 22, 2005

County of Kauai
c/o NKN Project Planning
4849 Iwi Road
Kapaa, Hawaii 96746

Dear Ms. Nakamura:

Subject: Draft Environmental Assessment
Haena County Beach Park Improvements, Haena, Kauai
TMK 5-9-5:9

We have reviewed the subject Draft Environmental Assessment (EA) and have one comment regarding the weight-restricted bridges on Kuhio Highway (560).

Section 2.8, Transportation (pg. 25 & 26) of the EA specifically mentions the weight limit of 6 tons for Wainiha Bridge #3. We often find contractors and truckers fixate on this one bridge forgetting that other bridges have limits too. Although it may not make sense to break down 8 ton loads to cross Wainiha #3 at 6 tons, it is not unusual for loads to be brought over Hanalei Bridge at 15 tons and then broken down to 8 or 6 tons to continue moving that load north.

We would be satisfied if the Mitigation Measure said something to the effect that contractors will be made aware of all bridge limitations and prohibited from exceeding.

For Highways construction contracts north of Hanalei Bridge, we typically list all the bridges and the weight limits in the contract documents. For your information the bridge limits are:

Bridge	Mile Post	Posted Weight
Hanalei	MP 1.20	15 Tons
Waiohi	MP 3.45	8 Tons
Waipa	MP 3.96	8 Tons
Waikoko	MP 4.27	8 Tons
Wainiha 1	MP 6.44	8 Tons
Wainiha 2	MP 6.70	8 Tons

RODNEY K. HARAGA
DIRECTOR
Deputy Directors
BRUCE Y. MATSU
SARAYUTSUNAGA
BENJAMIN LOROGGA
BENJAMIN SOROGGA

#1 REPLY REFER TO
HWY-K 4.042249

NKN Project Planning
Page 2
December 22, 2005

HWY-K 4.042249

Wainiha 3 MP 6.73 6 Tons
Haena 1 MP 7.49 10 tons
Haena 2 MP 8.44 10 tons

If you have any questions, please call Jim Turturici at 241-3018.

Sincerely,

STEVEN M. KYONO, P.E.
District Engineer

JT:ln

cc Ms. Genevieve Salmonson
OEQC
235 So. Beretania St., Room 702
Honolulu, HI 96813

Mel Nishihara
County of Kauai, Department of Public Works
4444 Rice St., Suite 150
Lihue HI 96766

NKN PROJECT PLANNING

March 21, 2006

Mr. Steve Kyono, P.E.
District Engineer
State of Hawai'i
Department of Transportation
1720 Haleukana Street
Lihu'e, HI 96766

Dear Mr. Kyono,

SUBJECT: Draft Environmental Assessment, Ha'ena County Beach Park
Improvements, Ha'ena, Kaua'i, Hawai'i
TMK: (4) 5-9-05:19
Reference: HWY-K 4.042249

This is in response to your comments of December 22, 2005, regarding the Ha'ena County Beach Park Improvements Environmental Assessment.

The County of Kaua'i, Department of Public Works, will make construction contractors for the proposed park improvements aware of the weight restrictions for all bridges north of the Hanalei Bridge. Construction contracts will list weight limitations and the prohibition from exceeding those limits.

The Final Environmental Assessment has been amended to reflect your comments. If you have any questions, please contact me at 808-822-0388.

Sincerely,



Nadine K. Nakamura
Principal

4849 'Iiwi Road
Kapa'a, Hawai'i 96746
Telephone (808) 822-0388
Cellular (808) 635-1507
Facsimile (808) 821-9427
nknplan@hawaii.rr.com



STATE OF HAWAII
DEPARTMENT OF HEALTH
PO Box 3178
HONOLULU, HAWAII 96831-3178

CHRYSE L. TUBINO, M.D.
DIRECTOR OF HEALTH

In reply, please refer to
EPO-05-125

January 5, 2006

Mr. Nadine K. Nakamura
C/O NKN Project Planning
4849 Iiwi Road
Kapa'a, Hawaii 96746

Dear Mr. Nakamura:

SUBJECT: Draft Environmental Assessment for Hinana County Beach Park Improvement at
Ha'ena, Kauai, Hawaii, TMK: (4) 5-9-5: 19

Thank you for allowing us to review and comment on the subject document. The document was
routed to the various branches of the Environmental Health Administration. We have the
following Wastewater Branch and Environmental Planning Office comments.

Wastewater Branch

We have reviewed the subject document which proposes improvements to the existing facilities
to bring the Park into compliance with the requirements of the Americans with Disabilities Act
(ADA). Our primary concern is wastewater generated from the construction of a new ADA
compliant comfort station that includes two additional bathroom stalls and the demolition of the
existing comfort station.

We have the following comments to offer. The subject project is located in the Critical
Wastewater Disposal Area (CWDA) as determined by the Kauai County Wastewater Advisory
Committee where no new cesspools will be allowed. We have a record of a septic tank being
installed for this project. Three (3) septic tanks serving the park were approved for use on
October 12, 1991. As the Draft Environmental Assessment calls for the abandonment of the
existing wastewater systems and the construction of a new wastewater system meeting the
Department's rules, we have no objections.

All wastewater plans must conform to applicable provisions of the Department of Health's
Administrative Rules, Chapter 11-62, "Wastewater System." We do reserve the right to review
the detailed wastewater plans for conformance to applicable rules. Should you have any
questions, please contact the Planning & Design Section of the Wastewater Branch at (808) 586-
4294.

Mr. Nakamura
January 5, 2006
Page 2

Environmental Planning Office

Please note that some of the following issues may not apply to your particular proposed project
or requested action. Should you have any questions about the applicability of the listed concerns
or the particular environmental programs administered by our office, please feel free to contact
us.

To facilitate TMDL development and implementation, and to assist with our assessment of the
potential impact of proposed actions upon water quality, pollutant loading, and biological
resources in receiving waters, we suggest that environmental review documents, permit
applications, and related submittals include the following standard information and analyses.
Please note that these comments are also listed on our website:
www.state.hi.us/health/environmental/env-planning/landuse/landuse.html. We suggest that you
also review other Standard Comments on this website.

Waterbody type and class

1. Identify the waterbody type and class, as defined in Hawaii Administrative Rules Chapter
11-54 (<http://www.state.hi.us/health/about/rules/11-54.pdf>), of all potentially affected
water bodies. Potentially affected water bodies means those in which proposed project
activity would take place and any others that could receive water discharged by the

proposed project activity or water flowing down from the proposed site. These
waterbodies can be presented as a chain of receiving waters whose top link is the project
site upslope and whose bottom link is in Pacific Ocean "oceanic waters," with all
receiving waters named according to conventions established by Chapter 11-54 and the
List of Impaired Waters in Hawaii Prepared under Clean Water Act § 303(d). For
example, a recent project proposed for Nuhelewai Stream, Oahu (a tributary of Kapalama
Canal) might potentially affect Nuhelewai Stream, Kapalama Canal, Honolulu Harbor
and Shore Areas, and the Pacific Ocean.

Existing water quality management actions

2. Identify any existing National Pollutant Discharge Elimination System (NPDES) permits
and related connection permits (issued by permittees) that will govern the management of
water that runs off or is discharged from the proposed project site or facility. Please
include NPDES and other permit numbers; names of permittees, permitted facilities, and
receiving waters (including waterbody type and class as in 1. above); diagrams showing
drainage/discharge pathways and outfall locations; and note any permit conditions that
may specifically apply to the proposed project.

3. Identify any planning documents, groups, and projects that include specific prescriptions for water quality management at the proposed project site and in the potentially affected waterbodies. Please note those prescriptions that may specifically apply to the proposed project.

Pending water quality management actions

4. Identify all potentially affected water bodies that appear on the current *List of Impaired Waters in Hawaii Prepared under Clean Water Act §303(d)* including the listed waterbody, geographic scope of listing, and pollutant(s) (See Table 5 at <http://www.hawaii.gov/health/environmental/epw-planning/awqwr303dpx/final.pdf>).
5. If the proposed project involves potentially affected water bodies that appear on the current *List of Impaired Waters in Hawaii Prepared under Clean Water Act §303(d)*, identify and quantify expected changes in the following site and watershed conditions and characteristics
 - surface permeability
 - hydrologic response of surface (timing, magnitude, and pathways)
 - receiving water hydrology
 - runoff and discharge constituents
 - pollutant concentrations and loads in receiving waters
 - aquatic habitat quality and the integrity of aquatic biota

Where TMDLs are already established they include pollutant load allocations for the surrounding lands and point source discharges. In these cases, we suggest that the submittal specify how the proposed project would contribute to achieving the applicable load reductions.

Where TMDLs are yet to be established and implemented, a first step in achieving TMDL objectives is to prevent any project-related increases in pollutant loads. This is generally accomplished through the proper application of suitable best management practices in all phases of the project and adherence to any applicable ordinances, standards, and permit conditions. In these cases we suggest that the submittal specify how the proposed project would contribute to reducing the polluted discharge and runoff entering the receiving waters, including plans for additional pollutant load reduction practices in future management of the surrounding lands and drainage/discharge systems.

Proposed Action and Alternatives Considered

We suggest that each submittal identify and analyze potential project impacts at a watershed scale by considering the potential contribution of the proposed project to cumulative, multi-project watershed effects on hydrology, water quality, and aquatic and riparian ecosystems.

We also suggest that each submittal broadly evaluate project alternatives by identifying more than one engineering solution for proposed projects. In particular, we suggest the consideration of "alternative," "soft," and "green" engineering solutions for channel modifications that would provide a more environmentally friendly and aesthetically pleasing channel environment and minimize the destruction of natural landscapes.

If there are any questions about these comments please contact Jiacui Liu with the Environmental Planning Office at 586-4346.

Sincerely,



HAROLD LAO, ACTING MANAGER
Environmental Planning Office

Attachment: Septic Tank Information Sheet

c: EII-Kauai
EPO

NKN PROJECT PLANNING



March 21, 2006

Mr. Harold Lau, Acting Manager
Environmental Planning Office
State of Hawaii
Department of Health
PO Box 3378
Honolulu, HI 96801-3378

Dear Mr. Lau,

SUBJECT: Draft Environmental Assessment, Ha'eua County Beach Park
Improvements, Ha'eua, Kaua'i, Hawaii. TMK (4) 5-9-05:19.

This is to acknowledge receipt of comments provided by the State of Hawaii,
Department of Health, Wastewater Branch and Environmental Planning Office, January
5, 2006, regarding the Ha'eua County Beach Park Improvements Environmental
Assessment (EA).

Wastewater Branch

As outlined in the Draft Environmental Assessment, upon completion of the new comfort
station and new septic system, the County of Kaua'i will close an existing cesspool, and
the septic system currently in use in accordance with the Department of Health
requirements.

Environmental Planning Office

Responses to your comments are noted below:

1. The water body type and class has been incorporated into the Final EA. These
water bodies are not contained on the *List of Impaired Waters in Hawaii
Prepared under Clean Water Act § 303(d)*.
2. No National Pollutant Discharge Elimination System (NPDES) permits have been
submitted or obtained at this time. An NPDES application will be submitted at the
time grading permits are sought by the contractor and will contain the applicable
information outlined in your comments.

4849 Twai Road
Kapaa, Hawaii 96746
Telephone (808) 827-0398
Cellular (808) 635-1507
Facsimile (808) 827-9427
mailto:info@hawaii-pp.com

Letter to Mr. Harold Lau
Page 2

3. We are not aware of any planning documents, groups, and projects that include
specific prescriptions for water quality management at the proposed project site
and in the potentially affected water bodies.
4. As mentioned in No. 1 above, this project does not affect any water bodies on the
current *List of Impaired Waters in Hawaii Prepared under Clean Water Act §
303(d)*.
5. See No. 1 and No. 4 above.

Total Maximum Daily Loads (TMDLs) have not yet been established at this location. The
grading plans will address any effects on TMDLs resulting from this project.

Finally, we do not anticipate any impacts at a watershed scale as a result of this project.
This project does not involve any channel modifications.

The Final Environmental Assessment has been annotated to reflect your applicable
comments. If you have any questions, please contact me at 808-822-0388.

Sincerely,

Nadine K. Nakamura
Nadine K. Nakamura
Principal

PHONE (808) 594-1888

FAX (808) 594-1865



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

HRD05/2038 B

January 20, 2006

County of Kaua'i
c/o NKN Project Planning
Nadine K. Nakamura, Principal
4849 Iiwi Road
Kapaa, HI 96746

RE: Request for Comments on a Draft Environmental Assessment for Hanalei County
Bench Park Improvements, Hanalei, Kaua'i, TMK: 5-9-005-019

Dear Nadine K. Nakamura,

The Office of Hawaiian Affairs (OHA) is in receipt of your December 6, 2005, request for comments on the above-proposed project, which would include demolition of existing comfort station and construction of an American Disabilities Act (ADA) compliant comfort station; ADA compliant pathways to the pavilion, shower and parking stalls; ADA-compliant designated parking stalls; and parking area drainage and surface treatment improvements. OHA offers the following comments.

OHA appreciates the need for ADA compliance and the high use of the parking lot, which often becomes boggy and muddy, leading to active runoff into the pristine waters of the bay. We therefore commend the County for attempting to improve infrastructure discrepancies in those areas.

OHA requests that any permanent landscaping use native and endemic vegetation. This will enable the area to absorb as much water as is locally and naturally possible, while also ensuring fewer introductions of alien species to our fragile ecosystems, including Mamo Stream and its riparian resources, including native Iiwa and fauna.

OHA appreciates the efforts made to consult with the public and neighboring property owners. While turnout was not overwhelming, we remind the applicant that consideration must be given

Nadine K. Nakamura
January 20, 2006
Page 2

to applicable cultural gathering and access rights during and after construction activities. Native Hawaiian traditional gathering rights and public access to and along the shoreline should not be restricted - even during construction - except as necessary to ensure safety. If such safety-related restrictions are put in place, alternate public access routes must be provided.

OHA will rely on the applicant's assurances that should iwi kōpuna or Native Hawaiian cultural or traditional deposits be found during ground disturbance or excavation, work will cease, and the appropriate agencies will be contacted pursuant to applicable law.

Thank you for the opportunity to comment. If you have further questions, please contact Heidi Guth at (808) 594-1962 or e-mail her at heidig@oha.org.

Sincerely,

Clyde W. Naimu'o
Administrator

CC: Genevieve Salomonson
Office of Environmental Quality Control

235 South Beretania St.,
Room 702
Honolulu, HI 96813

Mel Nishihara
County of Kaua'i
Department of Public Works
4444 Rice Street, Suite 150
Lihue, HI 96766

La France Kapaka-Atioleola
3-3100 Kuhio Hwy.
Suite C4
Lihue, HI 96766-1153

NKN PROJECT PLANNING

March 21, 2006

Mr. Clyde W. Namu'o, Administrator
State of Hawai'i
Office of Hawaiian Affairs
711 Kapiolani Boulevard, Suite 500
Honolulu, HI 96813

Dear Mr. Namu'o,

SUBJECT: Draft Environmental Assessment, Ha'ena County Beach Park
Improvements, Ha'ena, Kaua'i, Hawai'i.
TMK (4) 5-9-05:19, Reference HRD05/2038 B.

This is in response to your comments of January 20, 2006, regarding the Ha'ena County Beach Park Improvements Environmental Assessment.

At the present time, the proposed project does not specify any additional or new landscaping. Should the additional of landscaping become part of the final project every effort will be made to ensure that native and endemic vegetation is used.

With respect to your concerns concerning Native Hawaiian traditional gathering and access rights during and after construction activities, the County of Kaua'i, Department of Public Works will ensure gathering and access rights along the shoreline during the construction phase of the project, except as necessary to ensure safety.

Please be assured that should *iwi* kupuna or Native Hawaiian cultural or traditional deposits be found during ground disturbing activities, all work will immediately cease, and the State of Hawaii, Department of Land and Natural Resources will be contacted.

The Final Environmental Assessment has been amended to reflect your comments. If you have any questions, please contact me at 808-822-0388.

Sincerely,



Nadine K. Nakamura
Principal

4849 'I'iwi Road
Kapa'a, Hawai'i 96746
Telephone (808) 822-0388
Cellular (808) 635-1507
Facsimile (808) 821-9427
nknplan@hawaii.rr.com

LURIA LUMBLE
DIRECTOR OF PUBLIC



GENEVIEVE SALMONSON
DIRECTOR

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
725 SOUTH KING ST. 9TH FLOOR
HONOLULU, HAWAII 96813
TELEPHONE: 808-586-4180
FACSIMILE: 808-586-4180
E-MAIL: oeqc@hawaii.gov

December 20, 2005

Donald Fujimoto
Department of Public Works
4444 Rice Street
Lihue, Hawaii 96766

Ain: Mel Nishihara

Dear Mr. Fujimoto:

Subject: Draft Environmental Assessment (EA)
Hana County Beach Park Improvements

We have the following comments to offer:

Paving: 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/oeqc/index.html>.

Soils: Section 1.8 notes that the soil has a Land Study Bureau productivity rating of "D." In the final EA indicate what this rating stands for.

Permits and approvals: List all required permits and approvals for this project and the status of each.

Contacts: In the final EA include copies of correspondence, including any received during the pre-consultation phase.

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

Sincerely,

Genevieve Salmonson
GENEVIEVE SALMONSON
Director

c: Nadine Nakamura

NKN PROJECT PLANNING



March 21, 2006

Ms. Genevieve Salmonson
Director
Office of Environmental Quality Control
Department of Health
235 S. Beretania Street, Suite 702
Honolulu, HI 96813

Dear Ms. Salmonson,

SUBJECT: Draft Environmental Assessment, Hana County Beach Park
Improvements, Hana, Kauai, Hawaii. TMK (4) 5-9-05:19.

This is to acknowledge receipt of comments provided by the Office of Environmental Quality Control on December 20, 2005, regarding the Hana County Beach Park Improvements Environmental Assessment.

The Final Environmental Assessment has been amended to reflect your comments concerning soils, permits and approvals, and contacts.

Compacted crushed coral has been selected for the parking area treatment. It was the preferred alternative presented in the community meetings as the crushed coral is more in keeping with the rural characteristics of the area and promotes on-site pervaporation.

If you have any questions, please contact me at 808-822-0388.

Sincerely,

Nadine K. Nakamura
Nadine K. Nakamura
Principal

4849 Tane Road
Lapele, Hawaii 96746
Telephone (808) 827-0388
Cellular (808) 635-1907
Facsimile (808) 827-9127

LINDA LINGLE
GOVERNOR



STATE OF HAWAII

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

RUSS K. BAITO
COMPTROLLER
KATHERINE H. THOMASON
DEPUTY COMPTROLLER

(P)1056.6

FEB 23 2006

Mr. Mel Nishihara
County of Kauai
Department of Public Works
444 Rice Street, Suite 275
Lihue, Kauai, Hawaii 96766

Dear Mr. Nishihara:

Subject: Draft Environmental Assessment (EA) Comments for
Haena Beach Park Improvements, Haena, Kauai
TMK: (4) 5-9-005:019

This is a belated response to the subject Draft EA for the proposed Haena Beach Park Improvements. Our comments are as follows:

1. On behalf of the Hawaii State Civil Defense, the Department of Accounting and General Services is proposing to install a civil defense warning siren at Haena Beach Park.
2. After reviewing the proposed County improvements (shown in Exhibit 7 of the subject draft EA), we believe there will not be any conflicts between the park improvements and the siren.
3. Before we install the siren, we will contact the County of Kauai, Department of Public Works, Parks Division, to schedule and coordinate the field work.
4. The following information is provided on the proposed siren installation:
 - a. The siren location will be located next to the existing pavilion (about 12 feet to the west). See attachment A for the site plan.
 - b. We have received the County of Kauai's Department of Public Works approval to enter, install, and maintain the siren.

Mr. Mel Nishihara
(P)1056.6
Page 2

- c. The siren installation will include a single 24-inch diameter timber pole with siren controller box, battery cabinet, radio antenna, grounding rod, Type 30-24 omni-directional Civil Defense warning siren, and solar powered array, with a 4'-0" diameter concrete foundation. The pole and siren will have a maximum height of 45 feet above the surrounding ground. The siren controller box, battery cabinet, radio antenna, and grounding rod will be mounted on the pole. No other improvements will be constructed to install the warning siren. Once the installation is completed, the area surrounding the pole will be returned to its previous condition. See a detail drawing of the siren pole on attachment B.

Thank you for this opportunity to comment on the Draft EA. If you have any questions, please have your staff call Mr. Brian Isa of the Planning Branch at (808) 586-0484.

Sincerely,


ERNEST Y.W. TSAU
Public Works Administrator

BT:mo

Attachments

- c:
- Mrs. Nadine Nakamura, NKN Project Planning, w/attachments
 - Mr. Genevieve Salomonson, OEQC w/attachments
 - Mr. Stanley Doi, DAGS-Kauai District Engineer w/attachments
 - Mr. John Sakaguchi, Wilson Okamoto & Assoc. w/attachments

NKN PROJECT PLANNING

March 21, 2006

Mr. Ernest Y.W. Lau
Public Works Administrator
Department of Accounting and General Services
P. O. Box 119
Honolulu, HI 96810

Dear Mr. Lau,

SUBJECT: Draft Environmental Assessment, Ha'ena County Beach Park
Improvements, Ha'ena, Kaua'i, Hawai'i. TMK (4) 5-9-05:19.

This is in response to your comments of February 23, 2006, regarding the Ha'ena County Beach Park Improvements Environmental Assessment.

We understand that the Hawai'i State Civil Defense and the Department of Accounting and General Services are proposing to install a civil defense warning siren at the Ha'ena County Beach Park.

Thank you for providing the project site plan and siren pole detail. As indicated, the siren is proposed to be located next to the existing pavilion, will include a 24-inch diameter timber pole with associated equipment, and will be at a maximum height of 45 feet above the surrounding ground. Please confer with the North Shore Development Plan, Ordinance No. 476, with respect to height limits in this area.

The Final Environmental Assessment has been amended to reflect your comments. If you have any questions, please contact me at 808-822-0388.

Sincerely,



Nadine K. Nakamura
Principal

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