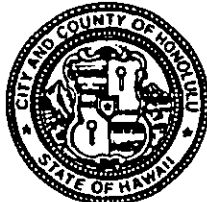


DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

850 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 523-4564 • Fax: (808) 523-4567
Website: www.cc.honolulu.hi.us

JEREMY HARRIS
MAYOR



June 12, 2003

RECEIVED

TIMOTHY E. STEINBERGER, P.E.
DIRECTOR

'03 JUN 13 P2:57

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

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

Dear Ms. Salmonson:

Subject: Final Environmental Assessment (FEA) and Finding of No Significant Impact (FONSI) for Kaupuni Neighborhood Park Master Plan Waianae, Oahu, Tax Map Key 8-5-32: 039

The City and County of Honolulu, Department of Design and Construction, is proposing to upgrade recreational facilities at Kaupuni Neighborhood Park in Waianae in accordance with the recently completed Kaupuni Neighborhood Park Master Plan.

The proposed park improvements include new, hard court facilities (basketball and volleyball), resurfaced multi-purpose playing fields, new irrigation system, lighting, pedestrian pathway, parking, and landscaping. Park space is also being reserved for a possible, future community center.

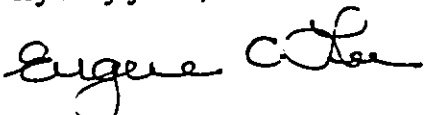
The Department of Design and Construction (DDC) has reviewed the comments received during the 30-day public comment period that began on March 8, 2003. The DDC has determined that this project will not have significant environmental effects and has issued a FONSI. Please publish this notice in the OEQC's June 23, 2003 Environmental Notice.

We have enclosed a completed OEQC Environmental Notice Publication Form, a project summary, and four copies of the FEA.

Ms. Genevieve Salmonson
Page 2
June 12, 2003

If you have any questions, please call Mr. Donald Griffin of my staff at 527-6324
or Mr. Jim Niermann of R. M. Towill Corporation at 842-1133.

Very truly yours,


for TIMOTHY E. STEINBERGER, P. E.,
Director

TES:ei

Enclosures

2003-06-23-0A-~~FEA~~

JUN 23 2003

FILE COPY

Final Environmental Assessment

Kaupuni Neighborhood Park

Waianae, Oahu

May 2003

Prepared For:
City & County of Honolulu
Department of Design & Construction

Prepared By:
Alan Fujimori Landscape Architect

**Kaupuni Neighborhood Park
Master Plan**

Final Environmental Assessment

May 2003

Prepared for:
City & County of Honolulu
Department of Design & Construction

Prepared by:
Alan Fujimori Landscape Architect
Project No. 1-19298-0P

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PROJECT SUMMARY

Project	Kaupuni Neighborhood Park Master Plan
Applicant:	City & County of Honolulu, Department of Design & Construction
Accepting Authority:	City & County of Honolulu, Department of Design & Construction
Agent:	Alan Fujimori Landscape Architect 420 Waiakamilo Road, Suite 411 Honolulu, Hawaii 96817 Phone: (808) 842-1133 / Facsimile: (808) 842-1937
Location:	Waianae Homestead, Waianae District, Oahu
TMK:	8-5-32: 039
Size:	7.505 acre
Property Owner:	Department of Hawaiian Homelands
Existing Land Uses:	Neighborhood Park developed with open space, multi-purpose fields, comfort station, and tot lot. Nearby land uses include residential housing.
Proposed Action:	Master Plan improvements to existing neighborhood park, including new hard court facilities (basketball and volleyball), resurfaced multi-purpose fields, new irrigation system, lighting, pedestrian pathway, parking, community center, and landscaping.
Major Impacts	Construction Noise, Dust and Traffic, Increased Vehicle Traffic
Required Permits	<ul style="list-style-type: none"> • Construction Noise Permit, Department of Health, Noise and Radiation Branch • National Pollutant Discharge Elimination Systems Permit - NOI C Construction Storm Water Discharge, Department of Health, Clean Water Branch • Building and Grading Permit, Department of Planning and Permitting

CHAPTER 1 PURPOSE AND NEED

1.1 PROJECT OVERVIEW

The City & County of Honolulu, Department of Design & Construction has prepared a Master Plan to guide proposed development of the Kaupuni Neighborhood Park in Waianae Valley on the island of Oahu (**Figure 1-1, Project Location**). The park occupies a 7.5 acre parcel of land within the Waianae Valley Homestead. The land is owned by the Department of Hawaiian Home Lands and under lease to the City until the year 2020. The park is currently developed with multi-use playing fields, a comfort station, and tot lot, however existing park facilities and fields are in a state of disrepair and are underutilized as a community resource (**Figure 1-2, Existing Park Facilities**). The Master Plan proposes to upgrade existing park amenities and develop new recreational facilities desired by the community.

Project planning included an evaluation of environmental conditions to determine the overall impact of construction activities and the impacts of park improvements on the surrounding area. All project activities will be assessed for compliance with Federal, State and County regulations and land use plans.

1.2 PURPOSE OF THE ENVIRONMENTAL ASSESSMENT

City and County of Honolulu funds will be used for the proposed project. This project, therefore, is subject to preparation of environmental documentation in accordance with Chapter 200, Title 11, Hawaii Administrative Rules (HAR), and Chapter 343, Hawaii Revised Statutes (HRS). This EA will address the environmental impacts anticipated from the proposed development of the Master Plan.

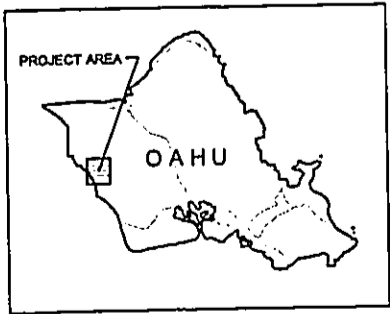
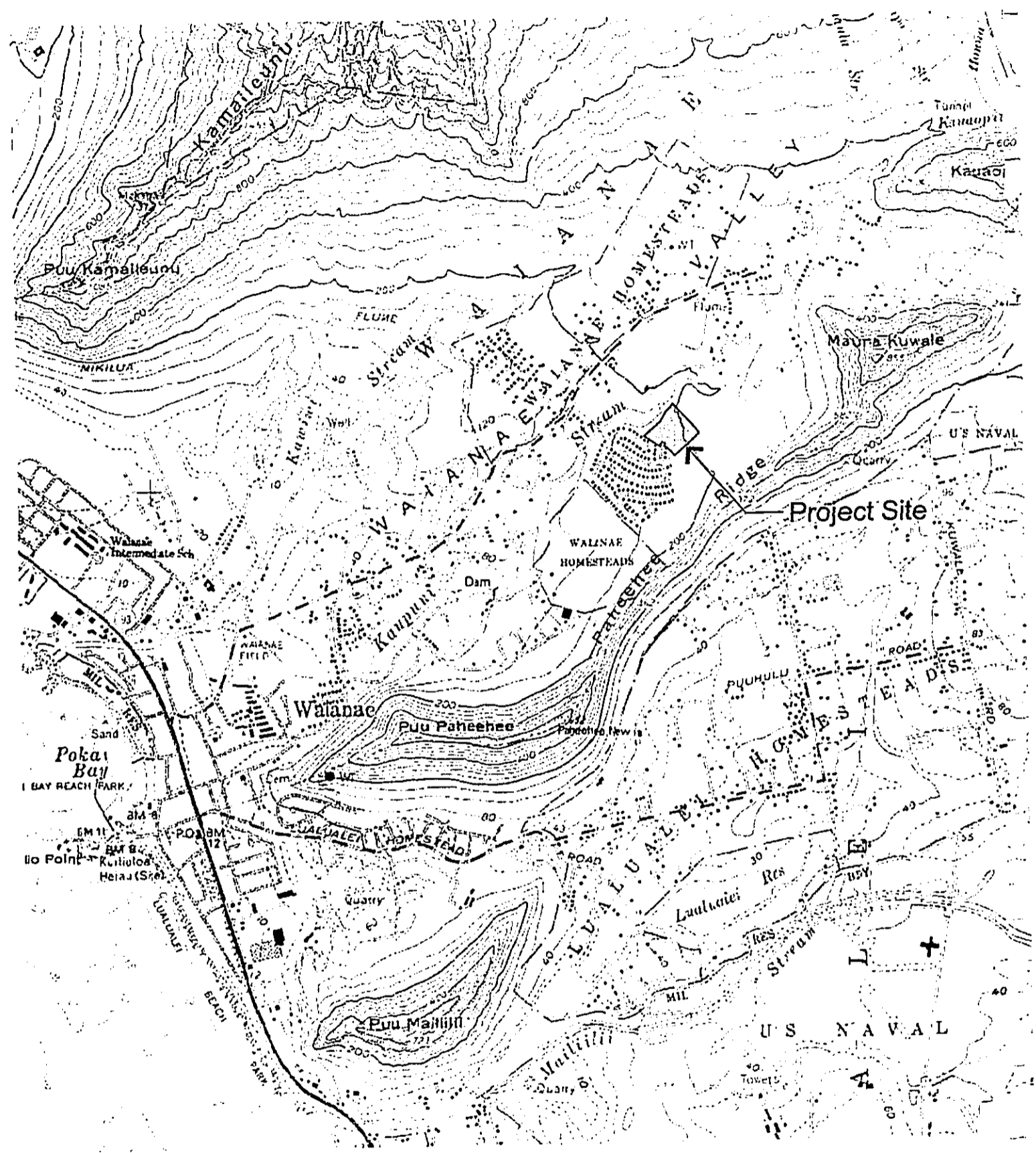
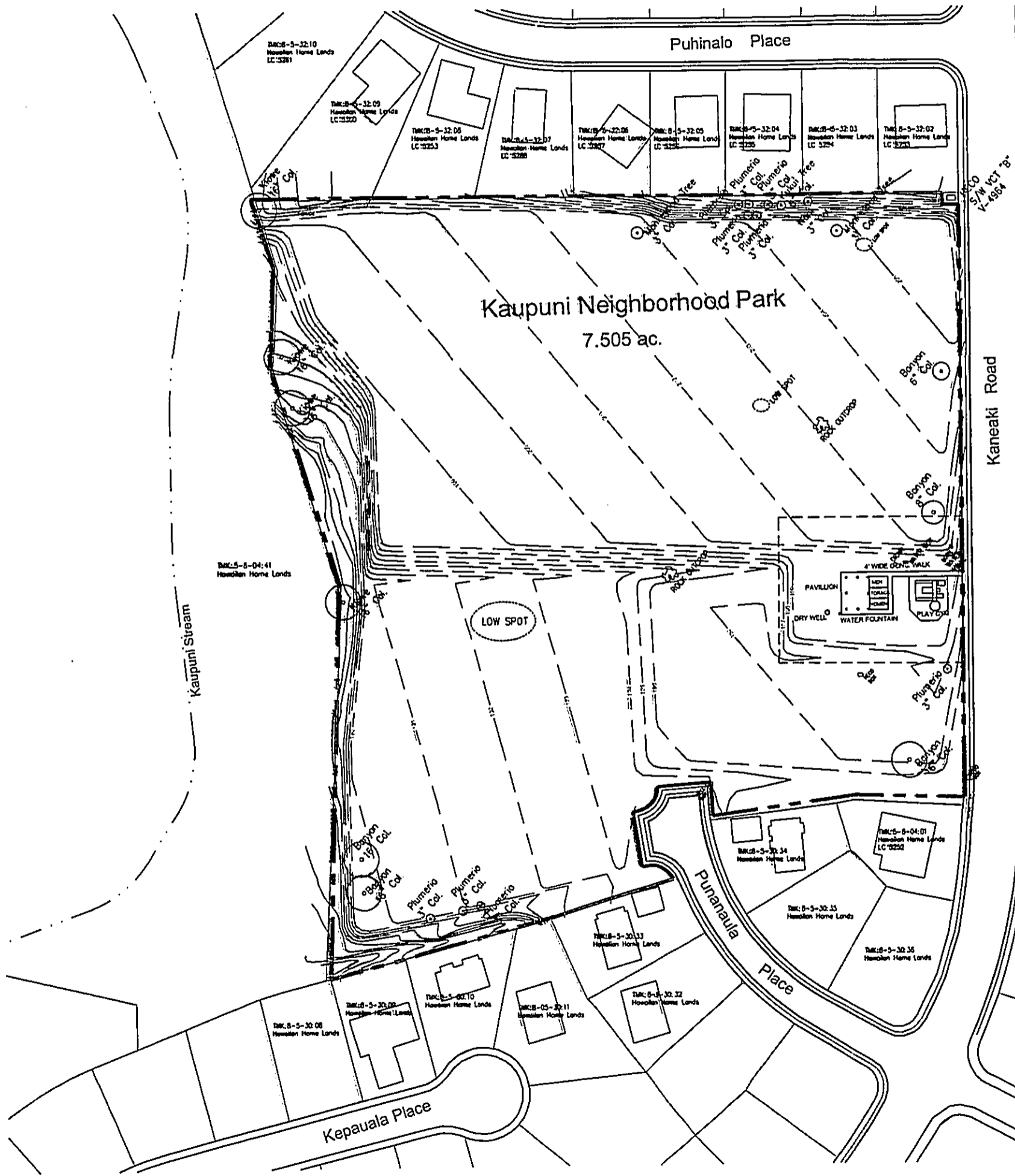


FIGURE 1-1
 LOCATION AND VICINITY MAP
 Kaupuni Neighborhood Park
 Master Plan, Waianae, Oahu



Source: USGS, Waianae Quadrangles



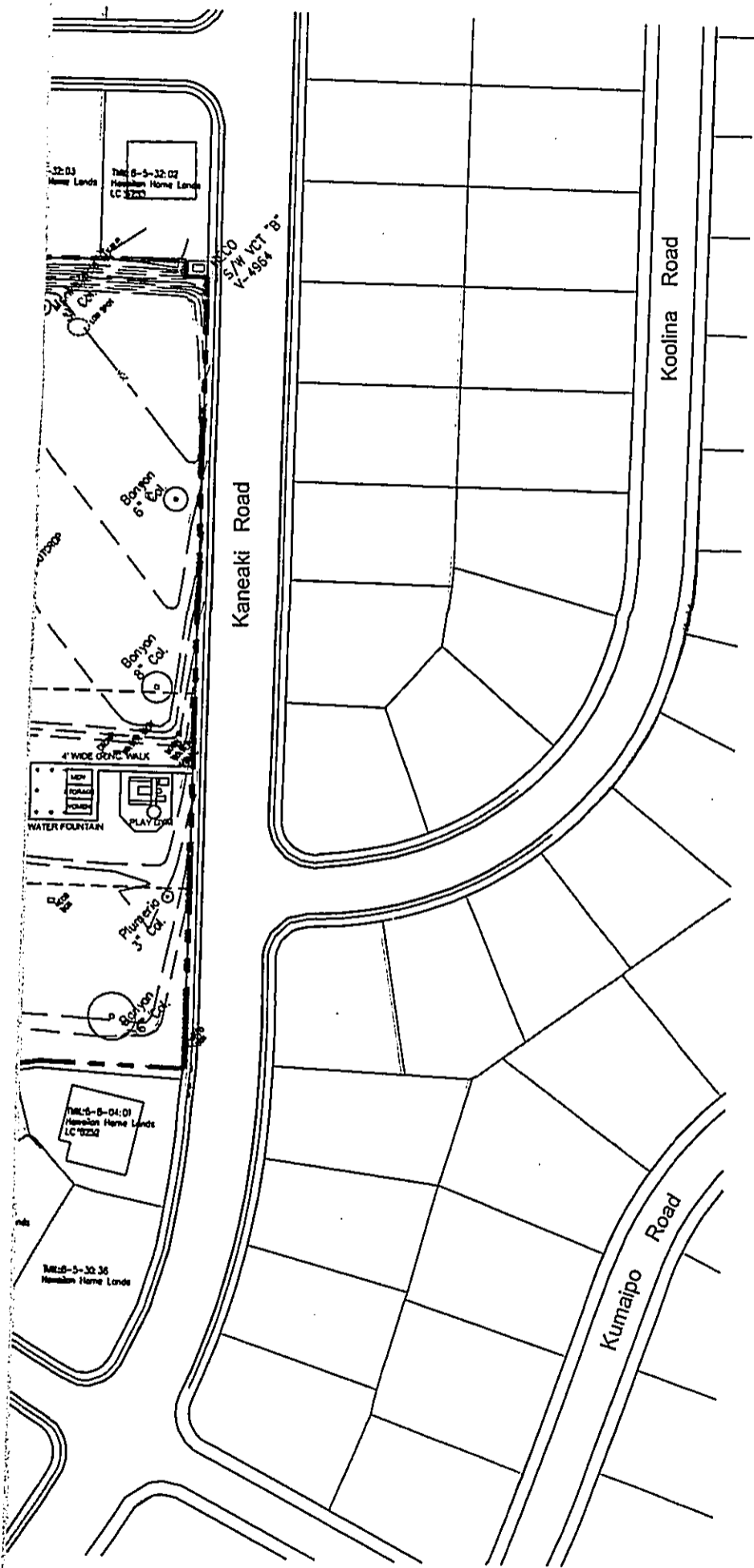
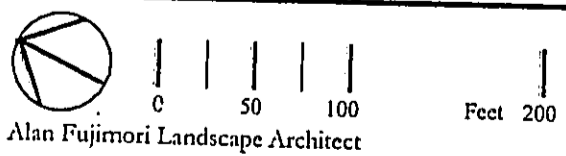


FIGURE 1-2
 EXISTING PARK FACILITIES
 Kaupuni Neighborhood Park
 Master Plan, Waianae, Oahu



Alan Fujimori Landscape Architect

1.3 PURPOSE AND NEED FOR PROJECT

Kaupuni Neighborhood Park was originally developed in 1976 with multi-use field space, comfort station, and tot lot . At that time, planned improvements also included basketball and volley ball courts and extensive landscaping. The Kaupuni Neighborhood Park Master Plan addresses deficiencies in existing park facilities and proposes development of new recreational facilities to increase the value of the park as a community resource. Existing deficiencies are described below.

1.3.1 Existing Deficiencies

- **Playing Fields**

The park is divided into three main playing field areas separated by grade changes. The fields are relatively underutilized at present. Current uses include PAL little league practice on a limited area of the upper field and frequent use by residents who walk or run the park perimeter. The fields are regularly the site of unauthorized vehicle access. The grade between lower and upper field areas is used for a motorcycle jump. Numerous areas of the fields contain exposed rocks and boulders. Grass conditions vary considerably, with exposed soil in many areas and wet depressions elsewhere. Vehicle tire damage to the fields is evident throughout the park.

- **Comfort Station**

The existing comfort station is in disrepair. The structure consists of a men's and women's bathroom, small recreation storage room / office, and covered pavilion area. Lighting is very poor and is regularly vandalized and not working. Bathroom fixtures are vandalized and no longer in service. The office and storage room are not used due to repeated vandalism, including break-ins and fires. There is one non-ADA compliant drinking fountain. The pavilion is regularly used by residents, mainly by children for skating and rollerblading.

Security and vandalism problems at the comfort station are largely due to poor lighting and building orientation relative to Kaneaki Road. Public views from the road of the pavilion and office / storage room are blocked by the bathroom structure. The storage

room and pavilion lighting have been vandalized many times due to the lack of surveillance from the street. Poor lighting, including automatic light shut-off in the evening, invites vandalism and other illicit activities.

- **Keiki Lot**
The keiki lot is located adjacent to Kaneaki Road, separated by a low (48") chain-link fence. Proximity to the road is a safety concern. The elevated play structure is in good condition, but is not compliant with ADA access requirements. The surrounding area does not contain any shaded or sheltered areas, nor benches or tables for parents to sit and rest while watching their children. The keiki lot area is fully exposed to the sun and elements.

- **Landscaping**
Landscaping is extremely limited. Few trees exist in the park, and of those that do, most are very small and poorly irrigated. One healthy banyan tree is located in the southern-most corner of the park, adjacent to Kaneaki Road. Vegetation along the Kaupuni Stream boundary is overgrown and consists primarily of koa haole and a few mature kiawe trees.

- **Irrigation System**
Original automatic sprinkler system has been vandalized. Timer and valve controller wires have been ripped out and the system must now be operated manually. The fields are not regularly irrigated. There is a problem with theft of sprinkler components and broken sprinkler heads and underground pipes. Sprinklers are routinely broken by vehicles driving on the playing fields. The sprinkler system stays broken because of the frequency of damage and City Maintenance's competing priorities. A new system should be automatic to ensure regular irrigation, with controls secured against vandalism and theft.

- **Community Center**
The Waianae Valley Homestead is a community of nearly four hundred households.

During the park master planning process, residents emphasized the need for a community gathering place to focus neighborhood resources and strengthen neighborhood connections, particularly between community elders and the younger generations. The park currently serves this purpose to some extent by nature of its location at the center of the community. The existing pavilion and comfort station are used by local kids and adults for group activities and gatherings. However use of the existing facility is limited by size, poor lighting, exposure to the elements, and lack of amenities. The nearest community center facilities are approximately two miles away at Pililaa Community Park at the mouth of Waianae Valley. The distance renders the Pililaa facilities impractical for many of the inner-valley residents who lack convenient transportation. Located at the center of the Homestead community and within walking distance for most residents, Kaupuni Neighborhood Park provides an ideal site for a community center to serve Homestead families. Its location at the center of the valley would also offer residents of inner Waianae Valley a closer alternative to Pililaa Park.

1.3.2 Program Needs

- Recreation

Demand for basketball and volleyball courts was listed as a high priority by community members during master planning work sessions. There are currently no hard court facilities (basketball, volleyball) within reasonable walking or bicycling distance for the children of the Waianae Valley Homestead and nearby residential areas on Waianae Valley Road. Aside from Kaupuni Neighborhood Park, there are no park facilities serving the communities within the valley interior. The nearest recreational facilities to Kaupuni are located approximately 2 miles away at Pililaa Community Park. Kids from the Waianae Valley Homestead and nearby neighborhoods currently play basketball on a makeshift court fashioned within Kaupuni Gulch on the cement surface of the Kaneaki Road viaduct.

- Security

Security concerns raised by the community indicate the following program needs:

Nighttime lighting is needed for greater visibility into the park for the personal safety of park users and to facilitate better surveillance of park activities. Fencing is needed along the back edge of the park to restrict unwanted access to and from the gulch and to discourage illicit activities within the overgrown areas along the gulch bank. Barriers are needed along park boundaries adjacent to roadways to prevent unauthorized vehicle access onto the park playing fields.

- **Parking**

With proposed improvements, additional parking facilities will be needed to meet both the requirements of the City Land Use Ordinances and to reduce parking impacts on nearby residents.

1.4 PLANNING PROCESS

The Master Plan was developed through a series of three community planning workshops conducted at Kaupuni Neighborhood Park. Prior to the workshops, an analysis of existing conditions at the park was conducted. A summary of the workshop proceedings follows:

Community Work Session #1, April 10, 2002 - Analysis & Program Development

- ▶ Presented site analysis, opportunities and constraints to Community members.
- ▶ Park programming - Solicited ideas from the Community and sketched out several conceptual program directions to develop further.
- ▶ Produced 3 sketch drawings of conceptual program directions.
- ▶ Received additional information from the Community regarding site analysis, park issues, and Community concerns.

Community Work Session #2, May 8, 2002 - Alternatives Development

- ▶ Presented drawings of several program concepts based on previous Community input.
- ▶ Selected and refined preferred alternative for development into Draft Master Plan.
- ▶ Prioritized list of desired improvements.

Community Work Session #3, May 29, 2002 - Draft Master Plan Approval and Refinement

- ▶ Presented the Draft Master Plan for approval.
- ▶ Refined the Master Plan concept with Community input.
- ▶ Prepared final priority list of master plan improvements.

The community approved the Master Plan in the final workshop. The plan was presented to the Parks Committee of the Waianae Neighborhood Board (No. 24) for endorsement on June 18, 2002. A presentation was made to the full Neighborhood Board on July 2, 2002 where it was unanimously approved. See **Appendix A** for documentation of the community master planning work sessions.

CHAPTER 2 MASTER PLAN IMPROVEMENTS

2.1 PROPOSED IMPROVEMENTS

The proposed master plan is designed for flexible phasing of planned improvements. The plan is created around two major phases of development hinging upon parking expansion, but potentially represents three plans:

Figure 2-1, No community center and retain existing comfort station

Figure 2-2, Small community center (5,000 sf / 1 story) and retain existing comfort station

Figure 2-3, Large community center (10,000 sf / 2 stories)

Master plan improvements include the following:

1. *Field Improvements* - The multi-purpose sport field, T-ball field, picnic and sport staging area, and other open field spaces require surface improvements and upgrades to the existing irrigation system. Surface improvements include clearing, regrading, and grassing approximately 4.8 acres of field area, including a 6,800 square feet (sf) pad site reserved for a future community center.

Upgrades to the existing irrigation system will include new controllers and control valves, and may require replacement of wiring, pressure mains, laterals, and sprinkler heads depending on the depth of grading and the condition of system components. Where fill areas cover existing heads and valve boxes, these components must be raised. New irrigation systems will be required to replace areas where cut sections leave the system too shallow or exposed above finished grades.

2. *Drainage/Runoff* - Existing drainage patterns will generally be preserved, with flows directed westward through the park and discharging into Kaupuni Gulch. Minor grade modifications will be required to divert flows from the south-west area of the park toward the drainage swale located at the bottom edge of the step grade change between

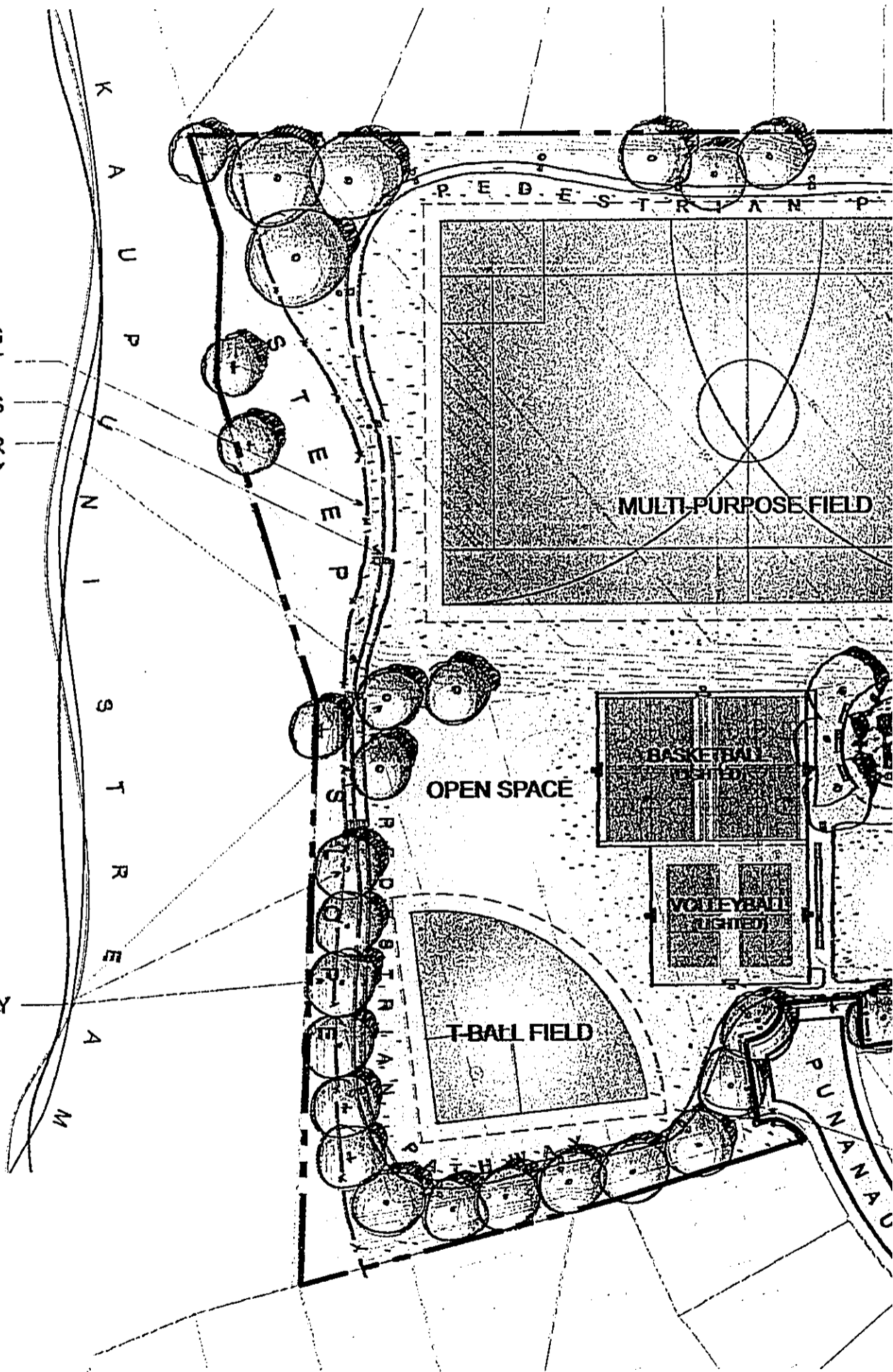
the upper and lower multi-purpose playing fields.

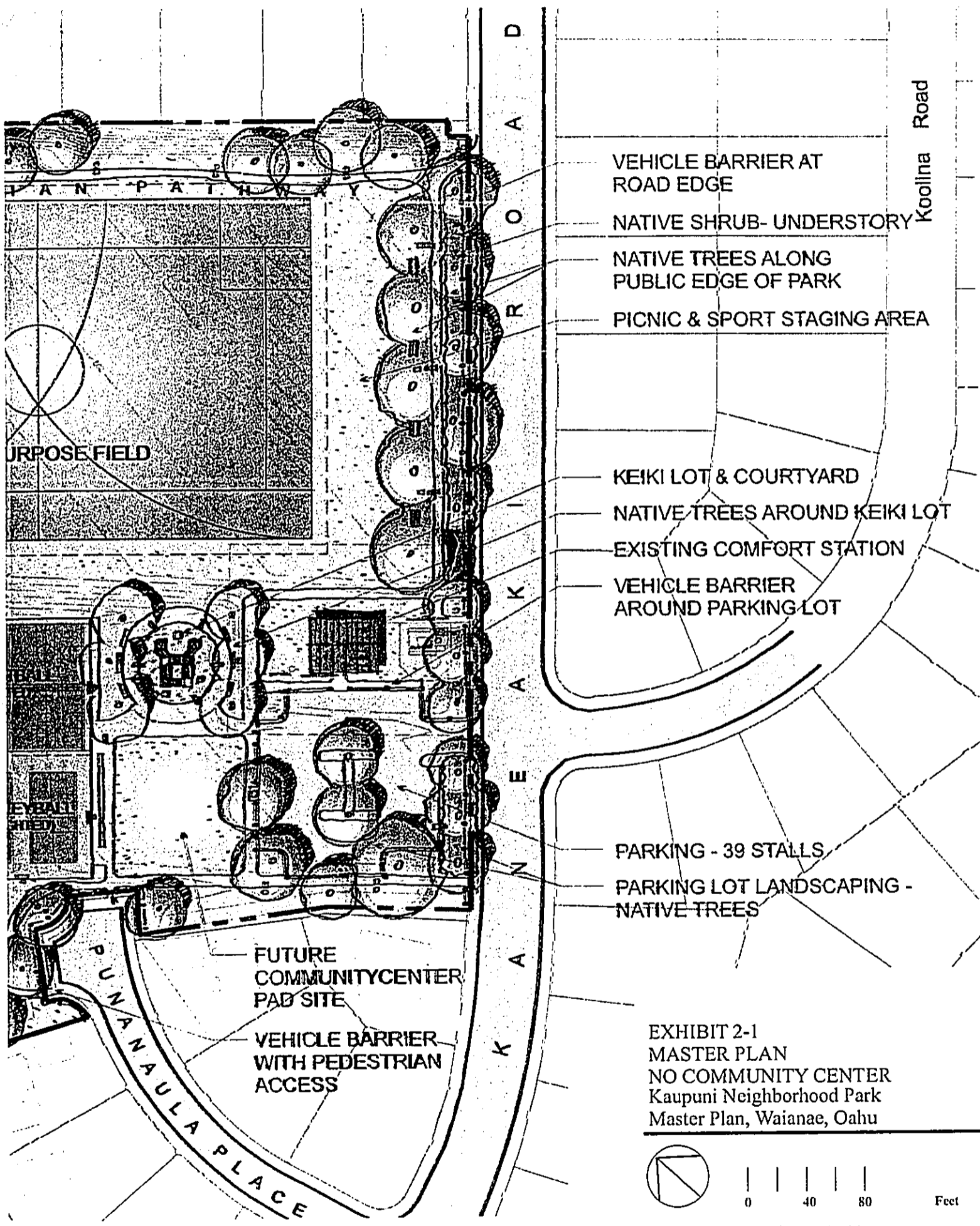
3. *Barriers* - Post and chain barriers will be installed at the park boundary along Kaneaki Road and at the end of Punanaula Place to prevent vehicle access into the park. A post and chain or boulder barrier will also be installed at the base of the multi-purpose field berm to block unauthorized off-road vehicle activity.
4. *Security Fence* - An 8-foot high chain link fence will be installed along the Kaupuni Gulch boundary of the park. The fence will be reinforced against vandalism and material theft. Chain link fabric will be welded onto fence posts. Post footings will be anchored with extra large concrete footings.
5. *Pedestrian Pathway* - A lighted pedestrian pathway will be constructed around the perimeter of the park and through the interior to provide access to program areas. The perimeter pathway will be 6-foot wide and constructed with ADA compliant surfaces and slopes. Curb ramps will be installed at three pathway entrances along Kaneaki Road, and at two locations in the parking lot.
6. *Lighting* - Pathway lighting will consist of 15 to 18-foot high pole lights spaced at 80-foot intervals. Special lighting may be used at pathway intersections and program areas. Lighting adjacent to residential areas will be shielded to minimize glare.
7. *Parking* - A new double bay parking lot aligned parallel to Kaneaki Road will be developed to accommodate parking requirements for the ball courts and community center. The parking lot will be developed in two phases as required.

The first phase will provide approximately 40 stalls to meet parking requirements for the ball courts (12 stalls total), and a community center of 5,000 to 6,000 sf (25-30 stalls).

CHAIN-LINK FENCE ALONG
GULCH EMBANKMENT
PATHWAY LIGHTS
PATHWAY SLOPED FOR
ADA ACCESSIBILITY

NATIVE TREES ALONG PATHWAY



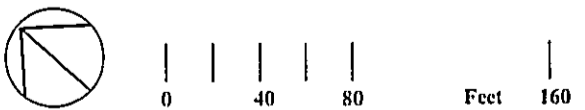


VEHICLE BARRIER AT ROAD EDGE
 NATIVE SHRUB- UNDERSTORY
 NATIVE TREES ALONG PUBLIC EDGE OF PARK
 PICNIC & SPORT STAGING AREA

KEIKI LOT & COURTYARD
 NATIVE TREES AROUND KEIKI LOT
 EXISTING COMFORT STATION
 VEHICLE BARRIER AROUND PARKING LOT

PARKING - 39 STALLS
 PARKING LOT LANDSCAPING - NATIVE TREES

EXHIBIT 2-1
 MASTER PLAN
 NO COMMUNITY CENTER
 Kaupuni Neighborhood Park
 Master Plan, Waianae, Oahu



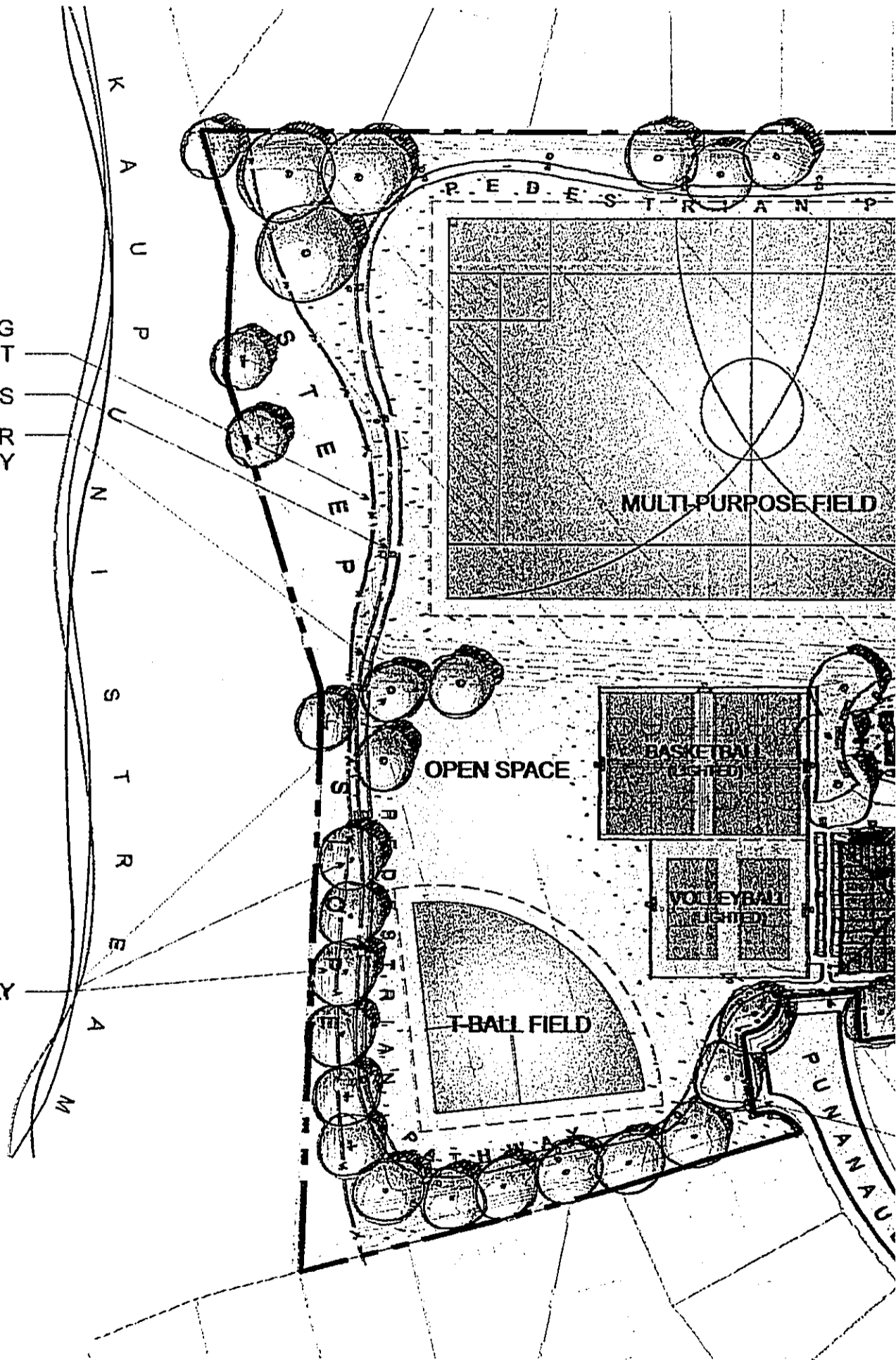
Alan Fujimori Landscape Architect

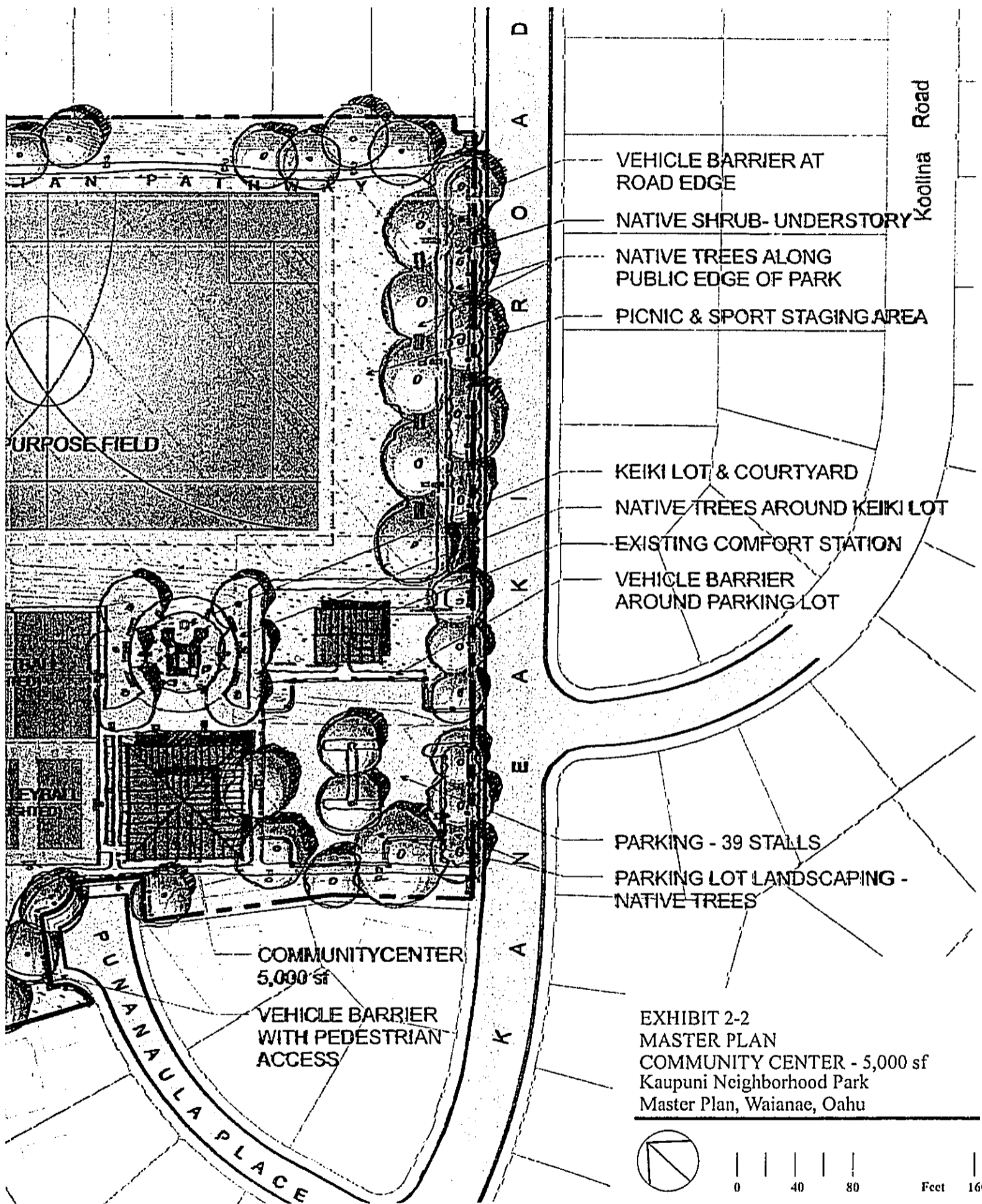
CHAIN-LINK FENCE ALONG
GULCH EMBANKMENT

PATHWAY LIGHTS

PATHWAY SLOPED FOR
ADA ACCESSIBILITY

NATIVE TREES ALONG PATHWAY



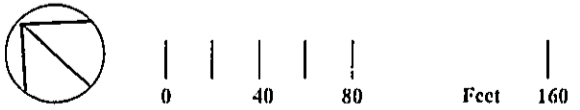


VEHICLE BARRIER AT ROAD EDGE
 NATIVE SHRUB- UNDERSTORY
 NATIVE TREES ALONG PUBLIC EDGE OF PARK
 PICNIC & SPORT STAGING AREA

KEIKI LOT & COURTYARD
 NATIVE TREES AROUND KEIKI LOT
 EXISTING COMFORT STATION
 VEHICLE BARRIER AROUND PARKING LOT

PARKING - 39 STALLS
 PARKING LOT LANDSCAPING - NATIVE TREES

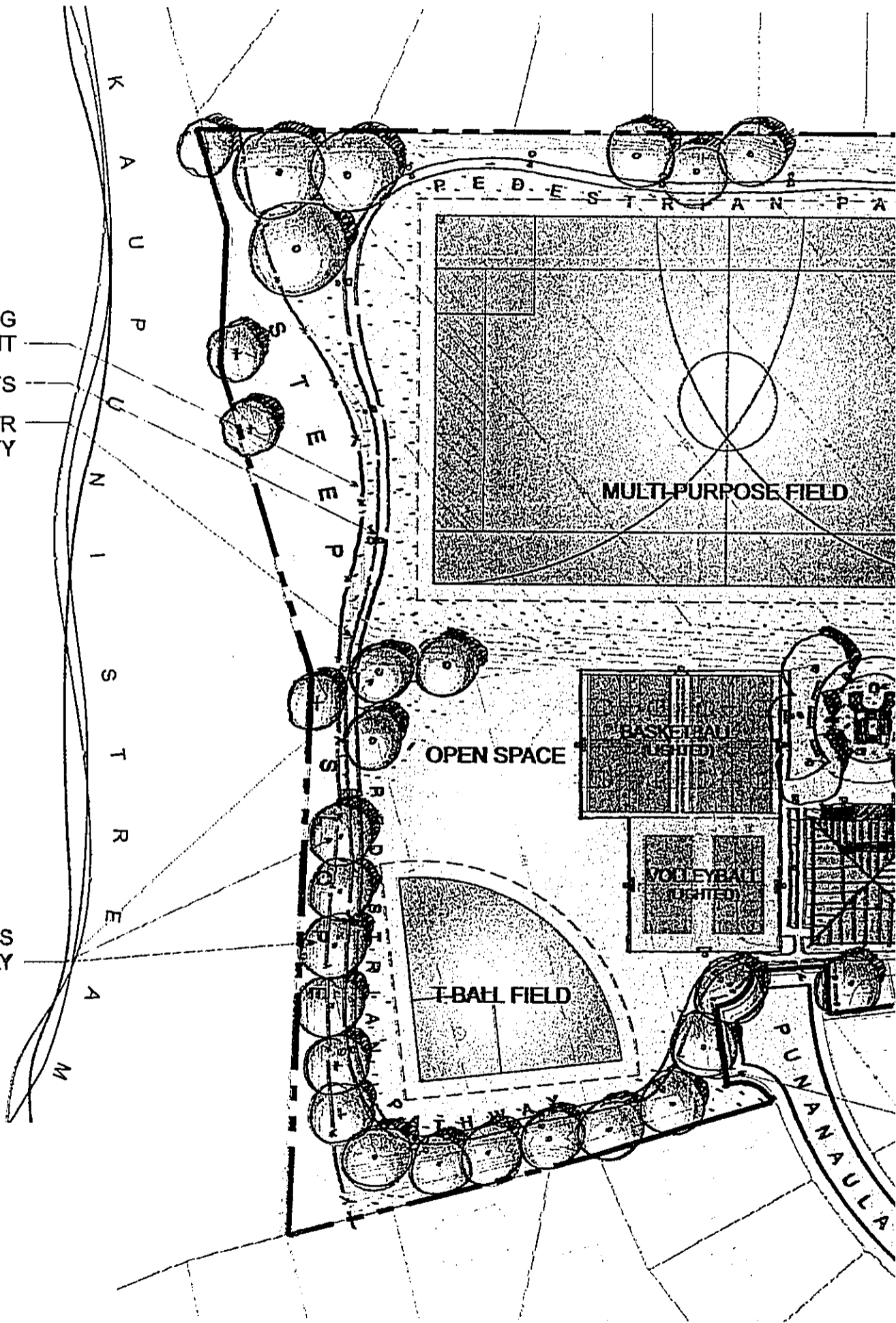
EXHIBIT 2-2
 MASTER PLAN
 COMMUNITY CENTER - 5,000 sf
 Kaupuni Neighborhood Park
 Master Plan, Waianae, Oahu

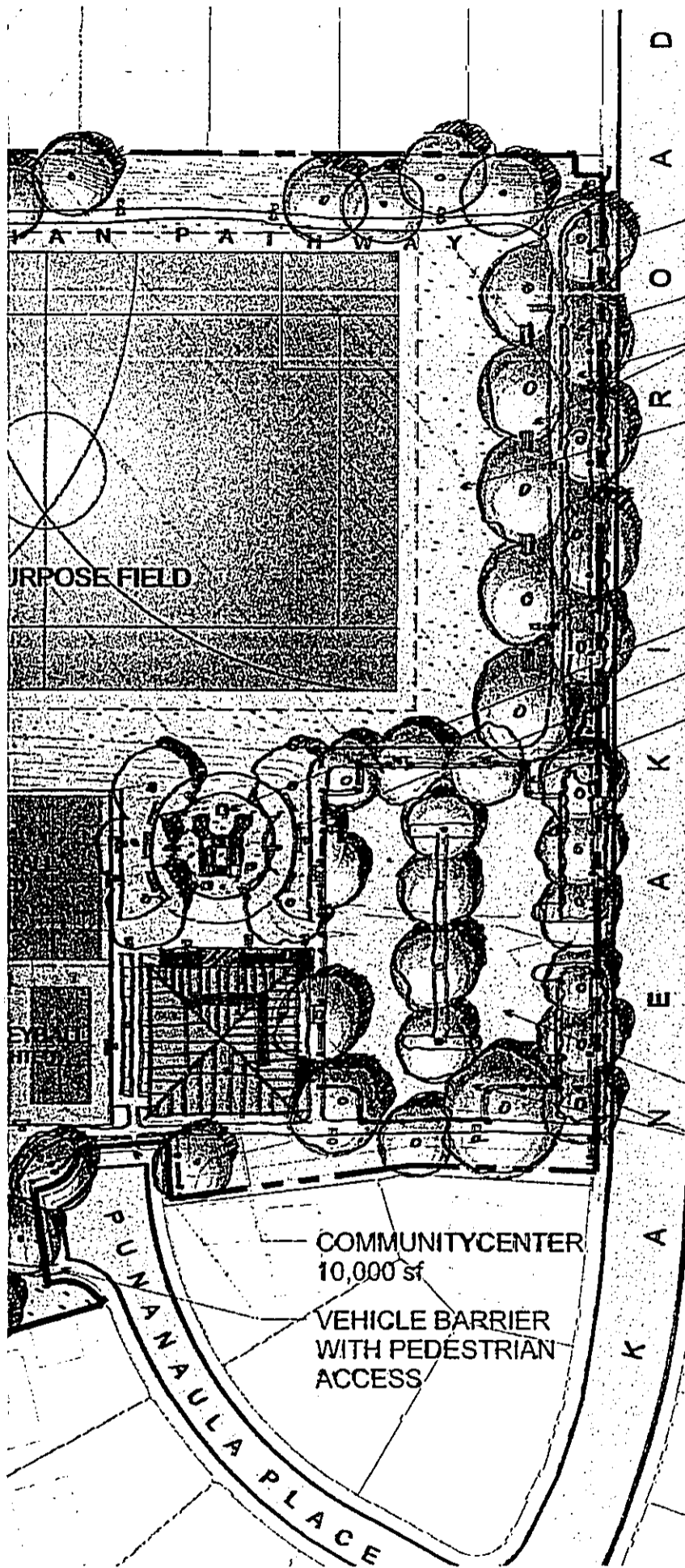


Alan Fujimori Landscape Architect

CHAIN-LINK FENCE ALONG
GULCH EMBANKMENT
PATHWAY LIGHTS
PATHWAY SLOPED FOR
ADA ACCESSIBILITY

NATIVE TREES
ON PATHWAY





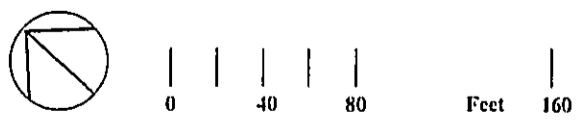
VEHICLE BARRIER AT ROAD EDGE
 NATIVE SHRUB- UNDERSTORY
 NATIVE TREES ALONG PUBLIC EDGE OF PARK
 PICNIC & SPORT STAGING AREA

KEIKI LOT & COURTYARD
 NATIVE TREES AROUND KEIKI LOT
 VEHICLE BARRIER AROUND PARKING LOT

PARKING - 61 STALLS
 PARKING LOT LANDSCAPING - NATIVE TREES

COMMUNITY CENTER
 10,000 sf
 VEHICLE BARRIER WITH PEDESTRIAN ACCESS

EXHIBIT 2-3
 MASTER PLAN
 COMMUNITY CENTER - 10,000 sf
 Kaupuni Neighborhood Park
 Master Plan, Waianae, Oahu



Alan Fujimori Landscape Architect

Koolina I

The second phase will expand the lot by approximately 22 stalls for a total of 62 to accommodate parking requirements for the ball courts and a community center of 10,000 sf. The expansion requires demolition of the existing comfort station, therefore, the second phase must be constructed concurrent with new bathroom facilities at the community center.

Access to the lot will be from one entrance/exit driveway aligned with the intersection of Kaneaki Road and Koolina Road. Driveway design will include adequate sight-lines and widths sufficient to accommodate two-way traffic. Parking facilities will include lighting and landscaping. Two ADA accessible stalls are included in the plan based on the standard of 1 per 25 stalls.

8. *Ball Courts* - Two basketball courts and two volleyball courts will be constructed adjacent to the keiki lot and community center site. The courts will be constructed adjacent to each other with a continuous surface to accommodate street hockey play. Ball courts will be lighted. Chain link fencing will be installed where needed to prevent errant balls from disrupting other park uses, and to provide separation between the basketball and volleyball courts. In addition, a total of 12 parking stalls must be provided for the ball courts (3 per court).
9. *Keiki Lot* - The keiki lot will be moved away from the street to a location adjacent to the basketball court, and community center site. The existing play apparatus will be used if it can be upgraded to meet ADA accessibility standards, otherwise, a new play apparatus will be installed. Benches and shade trees will be provided in the surrounding courtyard area.
10. *Community Center* - The master plan accommodates a 5,400 sf community center building with the first phase of parking. With full expansion of the parking lot, the plan accommodates a two-story, 10,000 sf community center. The community center footprint may be modified by expanding towards the keiki lot / courtyard. The size of the community center is constrained by the availability of parking space.

11. *Landscaping* - Landscaping will be provided throughout the park. Except for grass, vegetation will consist entirely of native plants (endemic or Polynesian introduced). Major landscape elements include:
- ▶ A double line of trees (i.e., Kamani) with shrub (i.e., Akia) understory will be planted along Kaneaki Road adjacent to the multi-purpose field. The area will provide shaded space for picnicking and sport activity staging. Picnic tables, and trash cans will be provided.
 - ▶ A single treeline and shrub understory will be continued along the Kaneaki Road frontage adjacent to the parking lot and existing comfort station.
 - ▶ The parking lot will be landscaped as required by City and County Land Use Ordinance.
 - ▶ Trees (i.e., True Kou) and park benches will be provided around the keiki lot and courtyard area to provide shade for sitting areas.
 - ▶ Shade trees (i.e., Wiliwili) will be planted in groupings along the perimeter pathway. Shaded areas adjacent to the T-ball field will be provided with picnic tables.
 - ▶ Additional landscape fixtures include drinking fountains and trash cans located as necessary throughout the park. Three drinking fountains are planned - one existing at the comfort station, one next to the sport courts, and one on the pathway in the upper park area. Trash cans will be provided where needed throughout the park.

2.2 PROJECT PHASING

2.2.1 Phasing Criteria

Key considerations for program phasing include:

- The existing comfort station must be preserved until alternative bathroom facilities are developed at the community center.
- Parking must be developed before or concurrent with the ball courts (3 stalls required per court), and community center (1 stall per 200 sf).
- Drainage swales must be developed concurrent with hardscape improvements, including parking, ball courts, and the community center.
- The perimeter pathway and lighting should be constructed together and concurrent with field improvements in order to avoid subsequent construction damage to field surfaces and irrigation fixtures.
- The security fence must be constructed after or concurrent with the field work because grading might alter the proposed fence line and/or the elevation of fence footings.

2.2.2 Development Phases

Based on the key phasing criteria, improvements are grouped as follows:

<u>Grouped Program Elements</u>	<u>Comments</u>
I Lighted Ball Courts Parking Lot, Phase I Drainage Swales	Parking facilities must be provided for the ball courts (3 per court). Drainage swales are required with construction of hardscape areas.
II Field improvements Lighted Pathway Security Fence	These improvements should be developed together to minimize construction efforts and avoid damage to improved field areas from subsequent construction activities
III Keiki Lot	The keiki lot is not dependent on other improvements. The existing keiki lot will remain as is until the community prioritizes funding for it's replacement.

- | | | |
|----|--|--|
| IV | Landscaping
Post and Chain Barriers | Proposed landscaping can be provided incrementally with other phased improvements. Post and chain barriers should be constructed with phased development as necessary to protect improvements. |
| V | Community Center
Parking Expansion | A new community center is dependent on the availability of parking, but is otherwise a stand-alone project. Phase 1 parking is adequate for a 5,400 sf building. Expansion of the parking area is required if the community center exceeds 5,400 sf. |

2.2.3 Community Priorities

Based on community input, proposed development phases are prioritized as follows:

<u>Priority</u>	<u>Comments</u>
I	Lighted Ball Courts Parking Lot Post and Chain Barriers Drainage Swales
II	Field improvements Lighted Pathway Security Fence
III	Landscaping

- | | | |
|----|------------------|--|
| IV | Keiki Lot | The existing keiki lot is adequate in the face of other funding priorities. A new keiki lot can be developed after other priorities are met. |
| * | Community Center | The community center remains the single preferred program element. However, community members support first seeking more modest and attainable funding from the city for other park improvements, while building a lobbying effort to obtain funding for development and operation of the community center. The Homestead Association will work with DHHL and the City to explore alternative funding opportunities for community center construction, staffing, operation, and maintenance costs. |

2.3 PROJECT SCHEDULE AND COST

The Master Plan is not yet scheduled for construction. Construction will be phased as funding allows. Estimated development costs for all master plan improvements, excluding the community center, is \$1.86 million. Estimated cost including a 5,000 sf community center is \$3.09 million, and with a 10,000 sf community center is \$4.88 million.

Estimated development costs are presented in **Table 2-1, Master Plan Development Costs.**

Table 2-1 - Master Plan Cost Estimates
(\$000)

Item	Item Cost	Running Total
PHASE 1	\$747	\$747
Chain & Bollard Barrier	71	
Parking: Phase 1 (39 stalls)	257	
Sport Courts	419	
PHASE 2	\$765	\$1,512
Field Improvements	386	
Perimeter Pathway	324	
Security Fence	55	
PHASE 3	\$233	\$1,745
Landscaping	233	
PHASE 4	\$110	\$1,855
Keiki Lot	110	
Community Center - 5,000 sf	\$1,230	\$3,085*
Community Center - 10,000 sf	\$3,025	\$4,880*

* Community Center cost added to Phase 1 - 4 total.

2.4 ALTERNATIVES CONSIDERED

Several alternatives to the proposed Master Plan were explored during the community planning process. They included the "no action" alternative as well as two alternative park designs. Both of the alternative designs include the program elements developed by the community. Both accommodate a new community center as the focal point of the park layout.

2.4.1 Alternative 1

- ▶ New, 6,000 square foot (sf) community center at location of existing comfort station.
- ▶ On-site parking, 39 stall capacity, single in-and-out driveway with direct access to Kaneaki Road, oriented perpendicular to Kaneaki Road. Punanaula Place blocked by gate for controlled vehicle access to park.
- ▶ Keiki lot located adjacent to community center, opposite from Kaneaki Road.

- ▶ One basketball court located at end of parking lot, two volley ball courts located adjacent to keiki lot.
- ▶ Community garden and imu located between parking lot and makai edge of park.

This alternative was considered, but rejected due to the parking configuration with access from Punanaula Place. Community members agreed that parking should access from Kaneaki Road. Punanaula Place may be used for secondary, controlled access to the park, however its use should be limited to emergencies and special events or eliminated due to potential impacts to residents on the cul-de-sac.

2.4.2 Alternative 2

- ▶ New, 6,000 sf community center at location of existing comfort station.
- ▶ On-site parking, 39 stall capacity, single in-and-out driveway with access from Punanaula Place, oriented parallel to Kaneaki Road, located adjacent to tee-ball fields.
- ▶ Keiki lot located adjacent to community center, opposite from Kaneaki Road.
- ▶ Two volleyball courts located adjacent to community center and keiki lot.
- ▶ Two basketball courts located between parking lot and volleyball courts / keiki lot.
- ▶ Community garden and imu located mauka of basketball court between parking lot and keiki lot.

Alternative 2 was eliminated due to community members' preference for the location of the community center in the proposed Master Plan. Community members preferred the deeper access into the park provided by the Alt 2 parking configuration, particularly that it provides parking adjacent to the ball courts. However, the parking configuration would force the community center into the middle of the park where it would interrupt view planes and block surveillance of the parking lot from some areas of Kaneaki Road. For these reasons this alternative was considered and rejected.

2.4.3 “No-Action” Alternative

The “no-action” alternative was considered as a baseline against which other potential actions can be measured. The no-action alternative would result in no effort to address existing deficiencies at Kaupuni Neighborhood Park and would fail to meet the recreational needs of neighborhood residents.

Under this option, environmental impacts resulting from construction activities would be averted and project costs would be spared. However, the existing park facilities would remain inadequate for meeting the needs of the area residents. For these reasons, this alternative was considered, but rejected.

CHAPTER 3 ENVIRONMENTAL SETTING, POTENTIAL IMPACTS, AND MITIGATION

This chapter assesses the environmental consequences of the proposed action described in Chapter 2. Potential project impacts are described and evaluated. Mitigation measures that would eliminate and/or reduce potential adverse impacts are identified.

3.1 TOPOGRAPHY, CLIMATE AND RAINFALL

3.1.1 Topography

The project site is located approximately 200 feet above mean sea level (msl) on relatively flat, gently sloping terrain. The high point of the park, at the eastern corner, is approximately 210 feet above msl and the low point, at the western corner, is approximately 194 feet above msl. The three main playing field areas within the park are separated by step grade changes of 1 to 6 feet.

Significant topographical landmarks in the project vicinity include Kaupuni Gulch, which forms the north-west boundary of the park. Along this boundary, just outside of the park property line, the topography drops abruptly to the dry stream bed, approximately 25-30 feet below park grade. At the mauka end of the back boundary, the drop is vertical. Progressing downstream along the gulch edge, the topography eases into a steep slope accessible by foot trail.

3.1.2 Climate and Rainfall

The average annual temperatures recorded in the project area range between a high of 81 degrees Fahrenheit (F) and a low of 70 degrees F. The range in normal temperature between the coolest month (February) and the warmest month (August) averages less than 9 degrees F. The daily range in temperature is also small, averaging less than 15 degrees F. From July through September, average daily maximum temperatures are 85 degrees.

The average annual rainfall is 35 inches, and the wind speed varies from 13 to 24 miles per hour from the northeasterly direction. Trade wind showers are relatively common and although heavy rains occur at times, most of the showers are light and of short duration. Normal annual rainfall in the vicinity of the project site is approximately 35 inches, three-fourths of which occurs during

the wet season from October through April. Normal precipitation in January, the wettest month, is over 6 inches, and in June, the driest month, averages one and one-half inches. (Atlas of Hawaii, 2000; DBED&T, 2000a).

3.1.3 Project Impacts

The proposed project will have no effect on prevailing climactic conditions.

3.1.4 Mitigation Measures

Project landscaping will mitigate localized temperature increases from parking areas and buildings. Design guidelines will incorporate building orientation and architectural treatments to maximize the beneficial effects and minimize adverse impacts of prevailing breezes and sunlight. No other mitigative measures are required or recommended.

3.2 SOILS

3.2.1 Soils

According to the U.S. Department of Agriculture, Soil Conservation Service Soil Survey (U.S. Department of Agriculture, 1972), soil types at the project site include:

- Ewa stony silty clay (EwB), 2 to 6% slopes - This classification is characterized as having well-drained soils developed from material weathered from basic igneous rock. The annual rainfall in the classification amounts to 20 to 40 inches. Permeability is moderately rapid. Runoff is slow, and erosion hazard is slight. .
- Lualualei extremely stony clay (LPE), 3 to 35% slopes - This soil type is common on fans and adjacent to drainage ways. It is characterized as having many stones on the surface and in the upper layers. Runoff is medium to rapid, and the erosion hazard is moderate to severe.
- Pulehu very stony clay loam (PvC), 0 to 12% slopes - This soil type consists of well-drained soils on alluvial fans and stream terraces. These soils are developed in alluvium washed from basic igneous rock. Runoff is slow to medium and the erosion

hazard is slight to moderate. Workability of the soil is difficult due to an abundance of stones.

See Figure 3-1, Soils Map.

3.2.2 Project Impacts

Clearing and grubbing activities will temporarily disturb existing ground cover and expose soils to erosional forces.

3.2.3 Mitigation Measures

Surface soil stabilization measures will be employed in all areas affected by clearing and grading. Stabilization will be accomplished by temporarily or permanently protecting the disturbed surface from rainfall impacts and runoff. Storm water will be diverted as much as practicable using the appropriate controls. Disturbed areas that remain unfinished for more than 30 calendar days will be hydro-mulched or seeded. When construction is complete, exposed areas will be landscaped and seeded to provide permanent soil stabilization. See Section 3.4.5, Best Management Practices, for a description of additional mitigation measures.

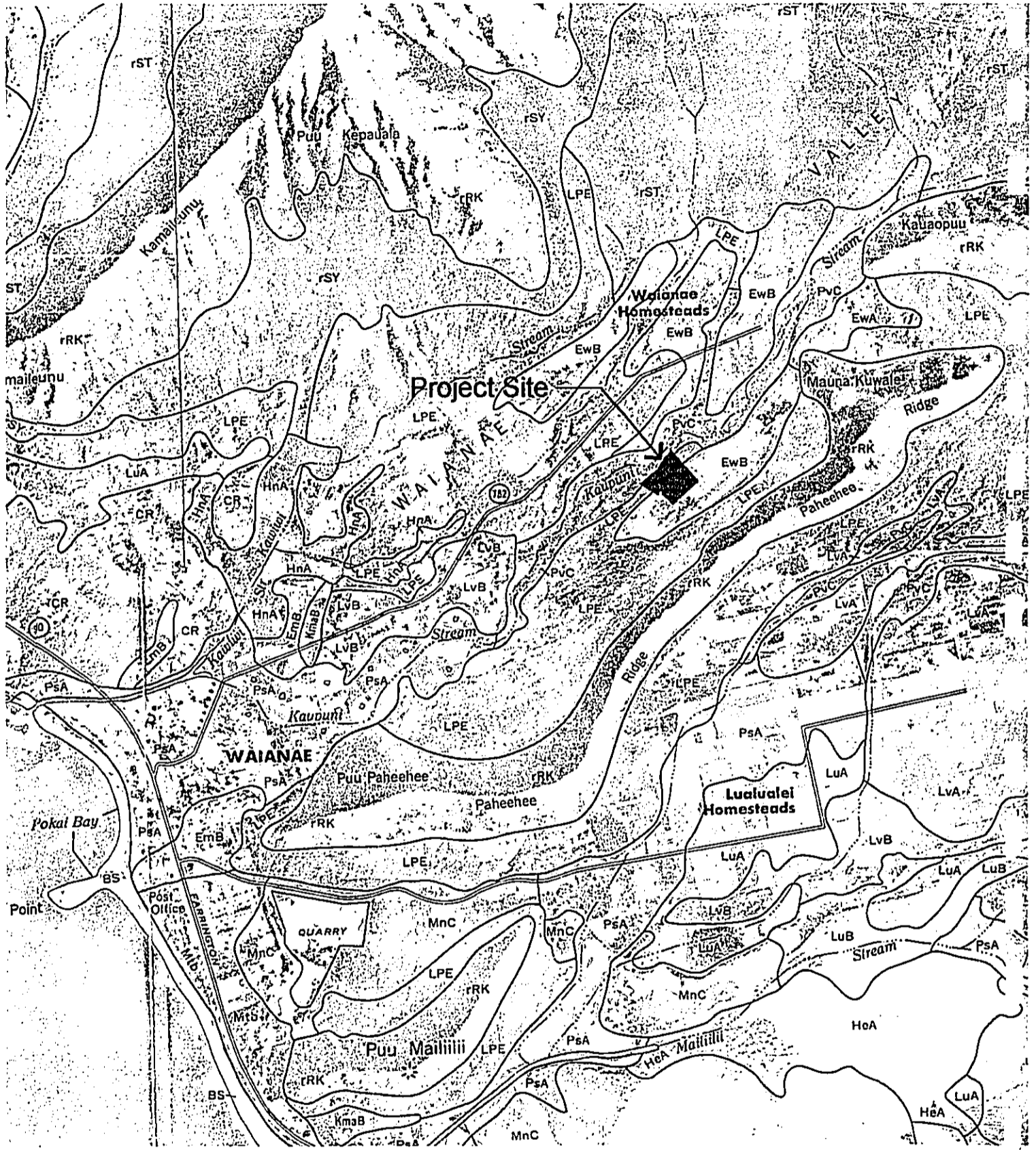
3.3 WASTE WATER

3.3.1 Disposal

The existing means of waste water disposal for the existing comfort station and surrounding residential area is by cesspools. A sewerage system is not available to the site, nor is it anticipated that one will be available in the near future.

3.3.2 Project Impacts

No significant impacts to the environment will result from the continued use of the existing comfort station cesspool. Waste water flows at the park will not increase until a new community center is constructed. It is estimated that the new community center will generate new waste water flow rates of 5,000 to 6,000 gallons per day. The additional waste water generation will require construction of a new, individual sewer treatment system.

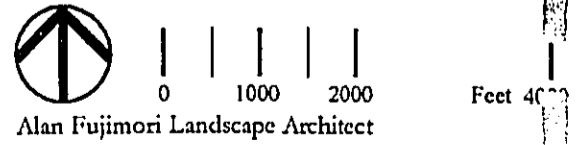


Legend

EwA	Ewa stony silty clay, 0 to 6% slopes	HnA	Hanalo silty clay, 0 to 2% slopes
EwB	Ewa stony silty clay, 2 to 6% slopes	PsA	Pulehu clay loam, 0 to 3% slopes
LPE	Luualalei extremely stony clay, 3 to 35% slopes	PvC	Pulehu very stony clay loam, 0 to 12% slopes
LVA	Luualalei stony clay, 0 to 2% slopes	rRK	Rock Land
LvB	Luualalei stony clay, 2 to 8% slopes	rST	Stoney Land

Source: United States Department of Agriculture, Soil Conservation Service, & University of Hawaii, Agricultural Experiment Station
Soils Survey of the Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii, August 1972

FIGURE 3-1
SOILS MAP
Kaupuni Neighborhood Park
Master Plan, Waianae, Oahu



3.3.3 Mitigation Measures

The existing comfort station will continue to dispose of wastewater by means of cesspool. When a new community center is constructed, waste water will be disposed of by means of an individual septic tank and leach field system designed to meet calculated flow rates based on the number and type of fixtures in the new facility. When sewers do become available in the area, connection will be made to park facilities. When the existing comfort station cesspool is no longer required, it will be backfilled and abandoned in place in compliance with the Uniform Plumbing Code standards.

All wastewater plans will conform to applicable provisions of the Department of Health's Administrative Rules, Chapter 11-62, "Wastewater Systems". All development plans and designs will be approved by the appropriate agency prior to construction.

3.4 WATER

3.4.1 Surface Water

No streams, springs, wetlands, or other sources of surface water occur within the project site. Kaupuni Stream flows intermittently through Kaupuni Gulch adjacent to the park site following periods of heavy rainfall. Kaupuni Stream is the renamed continuation of Honua Stream after its convergence with Kauapuu and Punanaula Streams. Honua Stream flows year-round in the upper recesses of the valley, but becomes intermittent at lower elevations due to the dry conditions, high-porosity of soils, and infiltration.

3.4.2 Ground Water

This site and the surrounding area are not sources of potable water, according to the Board of Water Supply's *2020 Plan*. The underlying aquifer is part of the Western Oahu Ground-Water Flow System and consists of basal groundwater contained deep below the surface in Koloa lava formations.

3.4.3 Project Impacts

Water use at the park will rely on existing source provided by the 12-inch Board of Water Supply main located on Kaneaki Road. Water use is not expected to increase above existing levels until development of the community center. Estimated water demand of the future community center is 5,200 gallons per day (gpd), which can be accommodated within the current BWS water allocation of 138,000 gpd. (See Appendix D, BWS letter dated March 21, 2003). No impacts to streams, springs, wetlands, or other sources of surface water will result from this project.

3.4.4 Mitigation Measures

Erosion controls and discharge pollution prevention measures will be installed as required by site conditions, construction activities, and project scheduling. Mitigation measures will conform to State of Hawaii, Department of Health (DOH) regulations pursuant to Hawaii Administrative Rules, Title 11, Chapter 55, Water Pollution Control.

A site-specific plan to prevent discharge of storm water runoff into State waters will be prepared by the project contractor as part of the project construction plan. A National Pollution Discharge Elimination System (NPDES) Permit will be filed with DOH, Clean Water Branch.

3.4.5 Best Management Practices

A site-specific Best Management Practices (BMP) plan will be prepared by the project contractor as part of the project construction plan. The BMPs will include guidelines and mitigation measures to prevent runoff, discharge pollution, and other detrimental impacts caused by construction activities. Specific mitigation measures will be developed by the project contractor based on professional expertise, site conditions, and the requirements of Hawaii Administrative Rules, Title 11, Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, as applicable.

3.5 NATURAL HAZARDS

3.5.1 Earthquake

The Uniform Building Code (UBC) provides minimum design criteria to address potential for damages due to seismic disturbances. The UBC scale is rated from Seismic Zone 0 through Zone 4, with 0 the lowest level for potential seismic induced ground movement. Kaupuni has been designated within Seismic Zone 2A.

3.5.2 Hurricanes

The Hawaiian Islands are seasonally affected by Pacific hurricanes from the late summer to early winter months. The Waianae Coast is infrequently hit by a severe storm events. It is difficult to predict these natural occurrences, but it is reasonable to assume that future events will occur.

The project site is, however, no more or less vulnerable than the rest of the island to the destructive winds and torrential rains associated with hurricanes.

3.5.3 Flood Zones

The Federal Emergency Management Agency Flood Insurance Rate Map (FIRM) Index of September 28, 1990, identifies the project site as lying within "Zone D", an area in which flood hazards are undetermined (FEMA/FIRM Community Panel No. 150001 0070A - not printed).

3.5.4 Project Impacts

During a significant storm or hurricane event, direct wind pressure, wind driven debris, and flooding all pose potential hazards to the proposed park facilities. These hazards, however, are not unique to the project site. Seismic risk at the project site is minimal. The proposed project is not likely to be significantly affected by seismic activity. Additionally, the proposed project is not located within a flood zone and will not exacerbate conditions that would contribute to flooding.

3.5.5 Mitigation Measures

The potential impact of destructive winds from hurricane events will be mitigated during design by compliance with the UBC adopted by the City and County of Honolulu. The UBC establishes minimum design criteria for wind speed and exposure based on terrain and local weather history.

To mitigate the potential hazard from earthquakes, all structures proposed for this project will be built, at a minimum in compliance with standards for UBC Seismic Zone 2A. Site-specific BMPs will include contingency plans to respond to heavy rainfall conditions and high-water flows during construction.

3.6 BIOLOGICAL RESOURCES

3.6.1 Flora

The project area has a long history of agricultural use, primarily for cattle grazing. Since 1975, the area has been developed for residential use. Original vegetative cover has long since been replaced by introduced species. Flora in the project area includes California grass, Guinea grass (*Panicum maximum*), koa haole, kiawe, and various typical weedy species. A medium sized banyan tree is located in the south corner of the park. A cluster of plumeria trees, with one noni tree and one kukui tree are planted on the graded slope between the upper playing field and the residential lots. Landscaping is otherwise limited to grassing on the sports fields. All of the plant species found at the site are common.

3.6.2 Fauna

No native birds have been recorded at the project site, however the endemic Pueo or short-eared owl (*Asio flammeus sandwicensis*) and native golden plover (*Pluvialis fulva*) are known to exist in the area. Introduced birds common to the area include: spotted dove (*Streptopelia chinensis*), zebra dove (*Geopelia striata*), common mynah (*Acridotheres tristis*), western meadowlark (*Sturnella neglecta*), house finch (*Carpodacus mexicanus*), house sparrow (*Passer domesticus*), Java sparrow (*Padda oryzivora*), mejiro (*Zosteropidae japonica*) and other common species.

The Hawaiian Hoary Bat (*Lasiurus cinereus semotus*) has also been recorded on Oahu. Although records of this species are limited, the Hawaiian Hoary Bat is believed to be resident in the Waianae Range. It occupies a variety of habitats, including native forest, agricultural lands, residential and urban areas, so its occurrence in the project area is not unlikely. Other mammals recorded in the project area include introduced species of mice, rats, and cats, as well as pet dogs.

3.6.3 Project Impacts

No special or unique habitat for birds and mammals exists on the proposed project site. None of the flora or fauna known from the project area are listed, proposed, or threatened and endangered species. All species noted above are common and occur widely throughout Kaupuni.

3.6.4 Mitigation Measures

There are no reasons to impose restrictions or impediments to the proposed project based on biological resources at the site. It is recommended that areas cleared of vegetation during construction be grassed over as soon as possible to prevent erosion. It is also recommended that native and Polynesian-introduced plant species be used for landscaping purposes. No other mitigation measures are required or recommended for botanical and faunal resources.

3.7 SOCIAL CHARACTERISTICS

3.7.1 Community Characteristics

Waianae is home to a diverse community with a strong identification to place. The Waianae coast is geographically and socially far from city life, and the predominant features are still natural: oceans, beaches, valleys, ridges, and the Waianae mountain range. Waianae remains a community with small-town values and a rural lifestyle. For many of the residents, Waianae's rural character provides the freedom to choose a way of life, to grow one's own food, raise animals, and gather resources from the ocean. Many of the residents grew up together and many belong to extended, multi-generational families with long ties to the land. As stated in the *Waianae Sustainable Communities Plan* (DPP, July 2000), "*Relationships are fundamental to our values and identity.*" Residents' associations with each other, with the environment, and with the diverse cultures represented in the population – and especially to Hawaiian culture – are essential to the Waianae identity.

Development in Waianae is primarily concentrated along the coast within the Farrington Highway corridor. This developed coastal zone is about 8 miles long, and varies in width from 1/4 mile to over 1 mile. Land uses on the mauka side of the highway are typically suburban type uses rather than rural uses: single-family residential small lot development, multi-family residential development, shopping centers, a scattering of small commercial and industrial

establishments, and various institutional and public uses including schools, health centers, fire and police stations, and a regional wastewater treatment plant. The makai side of the highway consists primarily of beaches and beach parks, with some small subdivisions and a few larger apartment buildings. Away from the highway corridor, development is scattered, low-density, and rural in character with many small farms, rural lot developments, and agricultural activities. (DPP, July 2000).

3.7.2 Population

According to the 2000 U.S. census, the Waianae Coast is home to approximately 42,300 people. The population of the Waianae Coast grew by 13 percent since the 1990 census, compared to 4.8 percent population growth island-wide. The population of Waianae Valley itself (the Waianae Census Designated Place (CDP)) is currently estimated at 10,506 people, a 20 percent increase from the 1990 population of 8,758 residents. (DEBT&T, 2002). As shown in **Table 3-1**, the ethnic makeup of the Waianae CDP population shows some significant differences from the overall population of the State and island of Oahu. Most notably, the percentage of native Hawaiians living in the Waianae CDP (23 percent) is roughly four times the percentage in statewide (6.6 percent) and island-wide (5.6 percent) population totals.

3.7.3 Housing

In Waianae, the average household size has increased over the past decade, a trend contrary to state and island-wide decreases in average household size during the same period. In 1990, the average household size in the Waianae CDP was 3.87 persons per unit (ppu); in 2000 it had increased to 4.04 ppu. For comparison, State and island-wide household sizes decreased respectively from 3.01 and 3.02 ppu in 1990 to 2.91 and 2.95 ppu in 2000. Three hundred ninety-seven households in the Waianae Valley Homestead are currently served by Kaupuni Neighborhood Park. New residential development at the end of Kaneaki Road will increase this number by approximately 40 homes within the next two years.

**Table 3-1
Ethnic Profile of Waianae CDP
Compared to State and Island of Oahu Populations**

Ethnicity	State Percentage	Oahu Percentage	Waianae CDP Percentage
Pacific Islander	9.4	8.9	27.3
<i>Native Hawaiian</i>	6.6	5.6	23.0
<i>Guamanian or Chamorro</i>	0.1	0.2	0.1
<i>Samoan</i>	1.3	1.8	2.6
<i>Other Pacific Islander</i>	1.3	1.3	1.6
Asian	41.6	46.0	19.4
<i>Asian Indian</i>	0.1	0.1	--
<i>Chinese</i>	4.7	6.1	1.5
<i>Filipino</i>	14.1	14.2	11.0
<i>Japanese</i>	16.7	18.4	4.5
<i>Korean</i>	1.9	2.5	0.2
<i>Vietnamese</i>	0.6	0.8	--
<i>Other Asian</i>	3.5	3.9	2.2
White	24.3	21.3	9.3
Black or African American	1.8	2.4	0.8
American Indian and	0.3	0.2	0.3
Other Race	1.3	1.3	1.0

Source: U. S. Census Bureau, Census 2000

3.7.4 Project Impacts

The proposed park development will not be an impetus to population growth or urbanization, but is being developed to meet existing demands and accommodate the future needs of the Waianae Valley community. Currently, the nearest park with basketball and volleyball courts is approximately 1 1/2 miles away at Pililaa Community Park. No other park serves the interior of Waianae Valley. The planned park improvements, including new recreational facilities and community gathering space, will result in a positive social impact by providing accessible

recreational facilities to the immediate neighborhood and other residential areas in the valley interior. Master Plan improvements are consistent with community desires and expectations for development in the area.

3.7.5 Mitigation Measures

No mitigation measures are required or recommended.

3.8 ECONOMIC CONDITIONS

3.8.1 Economic Conditions

Economic conditions on the Waianae Coast are more depressed compared to the island as a whole. According to the U.S. Census 2000, the median household income in Waianae is \$46,717, compared to the island-wide median of \$51,914, and per capita income is \$13,348 compared to \$21,998 for the island. Unemployment, at 8.2 percent according to the 2000 census, also trends higher than the island-wide average, which was 3.7 percent. The local economic base consists primarily of agricultural activities and retail trade and social services to support the needs of local residents. More than 70 percent of the labor force works in private sector wage and salary positions and over 20 percent are employed in government positions. Most of the labor force commutes outside of the community for work, and the mean travel time to work, 42 minutes, is nearly 1 1/2 times as long as the mean travel time of 27 minutes for commuters island-wide.

3.8.2 Employment

Sales and service jobs are the main sources of employment for residents of Waianae, employing approximately 51 percent of Waianae's labor force. This is comparable to island-wide figures. Approximately 29 percent of Waianae's labor force is employed in farming, construction, manufacturing, maintenance, material moving, and other "blue collar" jobs, compared to roughly 17 percent island-wide. The remaining 20 percent of Waianae's workers are employed in management and professional "white collar" positions, compared with 33 percent island-wide.

3.8.3 Project Impacts

Short-term economic impacts from the proposed project will result from construction jobs, services, and procurements in the form of construction supplies and equipment, however these benefits will be temporary and will primarily be realized outside of the local community.

3.8.4 Mitigation Measures

No mitigation measures are required or recommended.

3.9 LAND USE

3.9.1 Land Use

The project site is zoned Preservation (P-2) by the City and County of Honolulu. Development of park facilities are a specified use within this zoning designation. Surrounding lands are designated as Agricultural on the Waianae Sustainable Communities Plan. The park is surrounded on three sides by single-family residences of the Waianae Valley Homestead, and by Kaupuni Gulch and Stream on the remaining side. See **Figure 3-2, Surrounding Land Uses**.

3.9.2 Project Impacts

The proposed project will improve upon the existing use of the land as park space serving the recreational needs of the surrounding community. The proposed project is consistent with existing State and County land use plans for the region. The project will require no land use zoning changes and will not be a stimulus to unplanned growth.

3.9.3 Mitigation Measures

No mitigation measures are recommended or required for land use impacts.

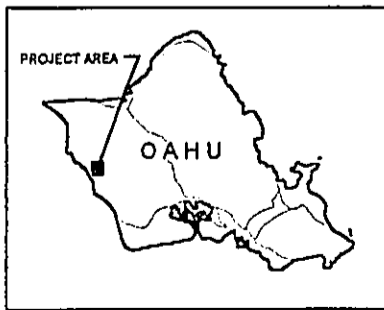
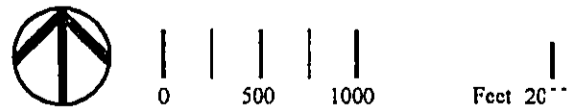


FIGURE 3-2
SURROUNDING LAND USES
Kaupuni Neighborhood Park
Master Plan, Waianae, Oahu

Source: Aerial Photography by: Air Survey Hawaii
Surrounding Uses from: Tax Map Keys & U.S.G.S Map



Alan Fujimori Landscape Architect

3.10 ROADWAYS, ACCESS, AND TRAFFIC

3.10.1 Roadways and Access

Kaneaki Road - provides main access to the park for both vehicles and pedestrians. It is the primary residential arterial through the Waianae Homestead. Kaneaki Road is 40 feet wide and provides approximately 600 feet of parallel parking space along the front of the park - room for 25 cars. On-street parking space is not included to meet off-street parking requirements for proposed improvements.

Punanaula Place - provides secondary access into the park. Punanaula Place is a 23-foot wide residential street that terminates at the south-west park edge. Numerous families with small children live on this street and are at risk from increased traffic if this route becomes a major access way to on-site parking. The master plan proposes limiting this road to pedestrian access and installing barriers to prevent vehicle access onto the playing fields.

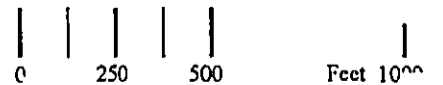
Unauthorized Vehicle Access - onto park playing fields occurs primarily via Punanaula Place. Vehicles also access the fields from Kaneaki Road at the upper-most corner of the park. Unauthorized vehicle access has resulted in widespread damage to the playing fields from tire ruts. See **Figure 3-3, Roadways and Access**.

3.10.2 Traffic

Based on resident and site observations, existing traffic circulating through the Waianae Valley Homestead is very light during most times of the day. Vehicle activity increases during morning and evening hours as residents travel to and from work, but is never congested. Current park use does not result in noticeable adverse impacts to traffic or parking on neighborhood streets.



FIGURE 3-3
ROADWAYS AND ACCESS
Kaupuni Neighborhood Park
Master Plan, Waianae, Oahu



Source: Aerial Photography by: Air Survey Hawaii
Road Names from: Tax Map Keys

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3.10.3 Project Impacts

The proposed master plan improvements are intended to encourage increased use of the park and thus will result in additional traffic on area streets. Traffic related to park use is not anticipated to create a significant impact. Some slow-down of traffic on Kaneaki Road may occur during special events at the park. Competition play will not be programmed at the park in order to prevent related parking and traffic impacts that typically result from such events. The proposed parking lot will provide sufficient space to accommodate off-street parking demands from planned recreational facilities, in accordance with the City and County of Honolulu Land Use Ordinance.

A new double bay parking lot aligned parallel to Kaneaki Road will be developed to accommodate parking requirements for the ball courts and community center. The parking lot will be developed in two phases as required. The first phase will provide approximately 40 stalls to meet parking requirements for the ball courts (12 stalls total), and a community center of 5,000 to 6,000 sf (25-30 stalls). The second phase will expand the lot by approximately 22 stalls for a total of 62 to accommodate parking requirements for the ball courts and a community center of 10,000 sf. Access to the lot will be from one entrance/exit driveway aligned with the intersection of Kaneaki Road and Koolina Road. Parking facilities will include lighting and landscaping. Two ADA accessible stalls are included in the plan based on the standard of 1 per 25 stalls.

Construction activities will result in a temporary rise in heavy truck traffic on Waianae Valley Road and Kaneaki Road, particularly during mobilization and demobilization. Work activities will require no lane closures however.

3.10.4 Mitigation Measures

Barriers consisting of bollard and chain or other type structure will be installed at the end of Punanaula Place and along segments of the park fronting Kaneaki Road to block unauthorized vehicle access into the park. On-site parking will be provided to accommodate increased demand from recreational users. No additional mitigation measures are required.

To minimize traffic impacts to the nearby residents, the contractor will schedule heavy truck activity as much as possible between the hours of 9:00 a.m. and 3:00 p.m. on weekdays and will suspend activity on weekends and State holidays. The Honolulu Police Department (HPD) will be notified prior to periods of heavy truck activity or during transport and operation of heavy equipment.

3.11 NOISE IMPACTS

3.11.1 Noise

Ambient noise at and around the project site is dominated by naturally occurring sounds from wind and other sources, and from surrounding residential activities. Intermittent vehicular traffic on Kaneaki Road and other neighborhood streets also contributes to the noise profile. Remote noise from aircraft and distant traffic on Waianae Valley Road generates relatively low background noise.

Construction activities will generate noise which could impact nearby areas. Noise levels of diesel powered construction equipment typically range from 80 to 90 dBA at 50 feet distance. The actual noise levels produced are dependent on the construction methods employed during each phase of the construction process. Earth moving equipment, including diesel engine powered bulldozers, trucks, backhoes, front-end loaders, graders, etc. will probably be the noisiest equipment used during construction.

3.11.2 Project Impacts

Increased use of the park will result in increased noise levels from spectators and participants in athletic and other activities. Special events at the park may also result in occasional noise disturbances. The park is not designed or developed for noise-intensive activities. Park lighting will extend the current use hours into the evening. Residents living adjacent to the park will be most immediately impacted by park generated noise. Normal activities at the park will also include periodic use of maintenance and landscaping equipment on the facility grounds.

Construction noise will be temporary and will cease when construction is complete. Adverse impacts from construction noise are not expected to pose a hazard to "public health and welfare"

due to the temporary nature of the work, the absence of sensitive land uses in the surrounding area, and due to the mitigation measures that will be employed to minimize noise impacts.

3.11.3 Mitigation Measures

Excessive noise levels generated by construction activities will require that a noise permit be filed with DOH, Noise and Radiation Branch. The provisions of the noise permit will require that contractors muffle all construction vehicles and machinery and maintain all noise attenuation equipment in good operating condition. Faulty equipment will be repaired or replaced. Additionally, trucks and other construction vehicles will be routed to avoid residential communities wherever possible.

Under current permit procedures, noisy construction activities are normally restricted to hours between 7:00 AM and 6:00 PM, Monday through Friday, and between 9:00 AM and 6:00 PM on Saturday. Construction activities and use of heavy equipment will be scheduled as much as possible during daylight hours to avoid disturbing area residents during the evening. If work during the nighttime hours is required, a variance from the existing state noise regulations will be requested from DOH, Noise and Radiation Branch.

3.12 AIR QUALITY

3.12.1 Air Quality

Air quality at Kaupuni Neighborhood Park is excellent overall due to prevailing northeast trade winds. Existing air pollution at the project site is minimal, primarily resulting from dry, dusty conditions in the Valley. Other sources of air pollution include emissions from vehicles and gas-powered equipment. The State of Hawaii, Department of Health (DOH), Clean Air Branch does not regularly monitor ambient air quality in Waianae Valley.

3.12.2 Project Impacts

Short-Term Impacts

Some short-term impacts on air quality will occur either directly or indirectly as a consequence of project construction activities. The operation of vehicles, heavy equipment, and generators at the project site will generate some fugitive dust and pollution emissions. Adjacent areas will be

temporarily affected during the period of construction by dust and pollution, however, these impacts will be temporary and will cease when construction is completed.

Long-Term Impacts

Some long-term impacts to air quality can be expected from the use of the park, mainly in the form of increased automobile emissions. These impacts are not expected to be significant.

3.12.3 Mitigation Measures

Short-Term Mitigation

State air pollution control regulations require that there be no visible fugitive dust emissions at the construction site boundary. Therefore, an effective dust control plan will be implemented by the project contractor to ensure compliance with state regulations. Fugitive dust emissions can be controlled to a large extent by watering of active work areas, using wind screens, keeping adjacent paved roads clean, and by covering open-bodied trucks. Dust control measures will include, but not be limited to, the following:

- Planning phases of construction to minimize dust generating activities;
- minimizing the use of dust generating materials and centralizing material transfer points and on-site vehicle travel ways;
- providing an adequate water source at the site prior to start-up of construction activities;
- landscaping bare areas, including slopes, starting from the initial grading phase; and,
- providing adequate dust control measures during weekends, after hours, and prior to daily start-up of construction.

Construction-related exhaust emissions will be mitigated by ensuring that project contractors properly maintain their internal combustion engines and comply with DOH Rules Title 11, Chapter 59 and 60, regarding Air Pollution Control.

Long-Term Mitigation

Long-term impacts from pollutants emitted by motor vehicle traffic are not anticipated to cause significant increases in air pollution levels over existing levels in the project area. No long-term measures are required or recommended for mitigating automobile emission.

3.13. RECREATIONAL RESOURCES

3.13.1 Recreational Resources

The Waianae Coast, including Nanakuli, Waianae, Mahaka, and has numerous parks that provide recreational facilities for leeward residents. Parks in the district include 1 regional park, 8 beach parks, 4 shoreline access points, 1 district park, 4 community parks, 1 neighborhood park, and 1 cultural park. Additionally, there are two 18-hole golf course in the district: Makaha Valley Country Club, and Sheraton Makaha Golf Club. These course are privately owned, but open to the public. See **Figure 3-4, Existing Parks**.

The City's community-based park standards for various park types are:

<u>Park Type</u>	<u>Size (acres)</u>	<u>Service Population</u>	<u>Service Area</u>
Neighborhood	4 - 6	5,000	½ mile
Community	10	10,000	1 mile
District	20	25,000	2 miles

Kaupuni Neighborhood Park is the only *neighborhood* park serving the Waianae ahupuaa and the only park located within the valley interior. Recreational facilities at Kaupuni Neighborhood Park are limited to multi-purpose field space, which is in poor condition for recreational use. Existing demand for basketball and volleyball courts are unmet. The nearest hard-court facilities for basketbsall and volleyball are located approximately 2 miles away at Pililaau Community Park at the mouth of the valley.

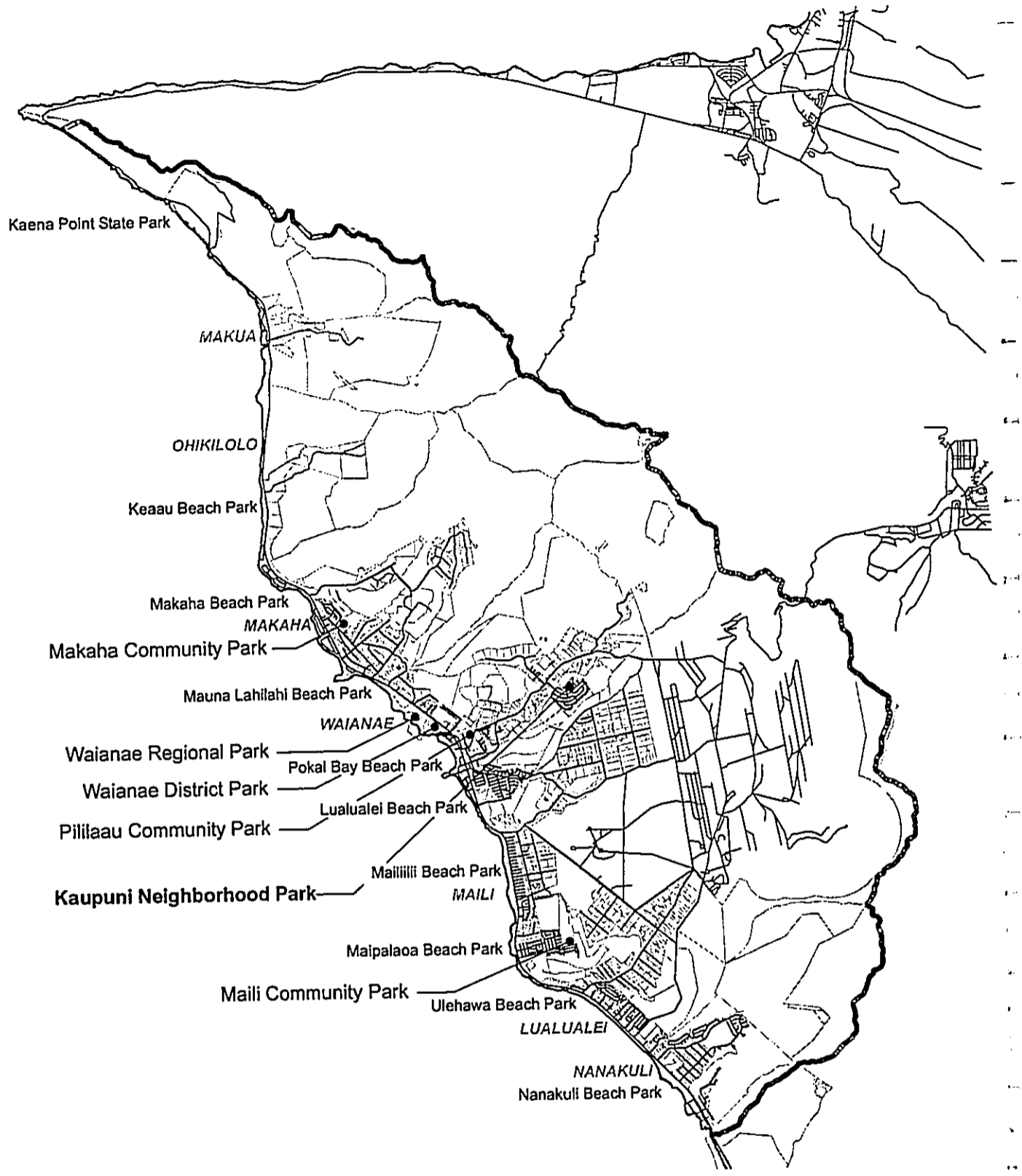
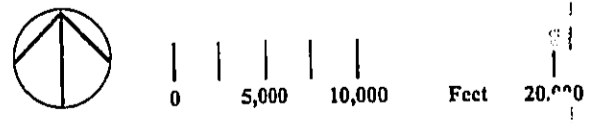


EXHIBIT 3-4
EXISTING PARKS
 Kaipuni Neighborhood Park
 Master Plan, Waianae, Oahu



Alan Fujimori Landscape Architect

3.13.2 Project Impacts

The master plan proposes to improve existing multi-purpose field conditions and provide two basketball and two volleyball courts to meet current demands from the surrounding neighborhoods. Proposed nighttime lighting will expand the availability of recreational resources to meet after school demand. No loss of recreational resources or opportunities will result from the proposed project.

3.13.3 Mitigation Measures

Aside from the proposed improvements to recreational facilities, no mitigation measures are required or recommended.

3.14 SCENIC RESOURCES

3.14.1 Scenic Resources

The current scenic character of the park area is rural residential. The park site itself offers exceptional views in every direction. Distant mountain and ridge views dominate on three sides, including views of the Waianae Range, Kamaileunu Ridge, and Paheehee Ridge. Landmark pu'us of Mauna Kuwale, Koleali'i, and Pu'u Paheehee occupy foreground views. Ocean horizon views are visible through the mouth of the valley. View planes on three sides of the park encompass residential development of the Waianae Valley Homestead. The remaining view opens on Kaupuni Gulch.

3.14.2 Project Impacts

Scenic impacts associated with the construction and use of the park are discussed in terms of short-term and long-term impacts.

Short-Term Scenic Impacts

Short-term visual impacts associated with the project primarily relate to construction activities. The presence of heavy construction equipment and ongoing modifications to the existing landscape will all create short-term impacts on the visual setting surrounding the project site. Visual impacts related to construction activities are temporary in nature, however, and not considered significant.

Long-Term Scenic Impacts

Master Plan improvements will be noticeable from surrounding areas, but will not intrude on existing view plains. The proposed community center will be set back from Kaneaki Road and landscaped to preserve a sense of open space. Architectural design standards will ensure that structural details, materials, and colors are compatible with the character of the environment and surrounding development. Nighttime lighting may result in impacts to surrounding residences.

3.14.3 Mitigation Measures

To minimize the visual impact of construction activities, the project contractor will ensure that work crews, heavy equipment, and signage will be utilized only to the extent required for project operations.

To minimize long-term visual impacts, all facilities will be designed to conform with setback requirements and design guidelines for materials, colors, lighting and landscaping. Park lighting adjacent to residential areas will be shielded to minimize glare.

3.15 HISTORIC, ARCHAEOLOGICAL, AND CULTURAL RESOURCES

3.15.1 Historic and Archaeological Resources

Documentary research uncovered no record of previously discovered archaeological sites within the project vicinity. The documentary record describes the lands in which the park is located as being situated within the *ahupua'a* of Waianae. The interior of this *ahupua'a* is rich in cultural resources. Extensive taro cultivation was practiced in the back of the valley where perennial streams provided a reliable water source. In the past two decades, a vast complex of agricultural terraces and related habitation sites has been restored. See **Appendix B** for documentation of archeological research related to the project area.

3.15.2 Cultural Resources and Practices

In accordance with Act 50, Session Laws of Hawaii 2000, community members and long-term residents of Waianae Valley with knowledge of local history and cultural practices were consulted to assess the potential for project-related impacts to cultural resources and practices. Individuals consulted were identified by word of mouth through several sources including

participants in the community planning work sessions, members of the neighborhood board, and members of the Waianae Valley Homestead Association. In addition, the Oahu Burial Council was notified about the project and Act 50 consultations. Based on information obtained through individual consultation, site visits, and documentary research, there are no known cultural resources or practices associated with the project area, and no impacts to cultural practices are expected to result from the proposed park improvements. See Appendix C for documentation of consultation.

3.15.3 Project Impacts

Kaupuni Neighborhood Park is developed on land that has undergone intensive modification and disturbance. The project site is not used for resource gathering for cultural purposes. No native flora or fauna are known to inhabit the project site. The proposed park improvements will not block existing view plains, will not be visible from coastal ocean waters, and will not obstruct any natural features or landmarks. There are no known historic or archaeological sites within the proposed project site.

Based on consultation with the State Historic Preservation Division (SHPD) (See Appendix D, "No Effect" Letter from SHPD dated March 18, 2003), there are no known archaeological or cultural sites at the park. Due to extensive land alteration from cattle grazing, land clearing, and development of the site and surrounding area for residential use, there is little likelihood of finding historic, prehistoric surface or subsurface archaeological remains, and no impacts to historic, cultural, or archaeological resources are expected.

3.15.4 Mitigation Measures

In light of these results, no further archaeological investigation or mitigation is recommended. However, there is always the possibility, however remote, that previously unknown or unexpected subsurface cultural features, deposits, or burials may be encountered. In the unlikely event that archaeologically significant remains are encountered, work will cease in the immediate area and the SHPD will be notified at (808) 692-8029 to determine significance and treatment of any findings. If burials are involved, the Oahu Burial Council will also be immediately contacted to determine proper treatment of the remains.

3.16 DRAINAGE

3.16.1 Existing Conditions

Kaupuni Neighborhood Park's 7.5 acres are graded into four leveled tiers which provide, in order from highest to lowest, large (approximately 275 feet by 500 feet) multi-purpose sport field; pad site for the comfort station, pavilion, and play apparatus; small (approximately 150 feet by 200 feet) multi-purpose area; and, medium sized (250 feet by 300 feet) multi-purpose sport field. Each step is separated by a grade change of 3 to 4 feet, and the entire site slopes from east to west at between 1.5 and 2 percent slope. Runoff sheet-flows across the fields and is intercepted in swales running along the bottom edge of the step grade changes and along the north-west edge of the park. Intercepted runoff is discharged into Kaupuni Gulch. Small amounts of runoff also leave the site along the Kaneaki Road frontage and discharge into the gutter and curb inlets connected to a 48-inch storm sewer pipe within the roadway. The subsurface 48-inch storm sewer pipe conveys runoff along the western edge of the park and discharges into Kaupuni Gulch.

3.16.2 Project Impacts

Existing drainage patterns will generally be preserved, with flows directed westward through the park and discharging into Kaupuni Gulch. Development of the hard courts, parking lot, and pathways will add nearly 1.2 acres of impervious surface area (approximately 16% of the total park area) within the park, and create a corresponding increase in runoff. Based on a 10-year, 1-hour design storm, the increased runoff from the entire site will create flow depths no greater than 4-inches within a swale constructed with slopes of 1:3.5. This increased runoff condition can be accommodated by the existing drainage swale system.

3.16.3 Mitigation Measures

Minor grade modifications will be required to divert flows from the south-west area of the park toward the main drainage swale located at the bottom edge of the step grade change between the upper and lower multi-purpose playing fields. Proposed landscaping, field resurfacing, and re-grassing will stabilize soils, reduce runoff velocity, and minimize the discharge of sediments in storm water runoff.

CHAPTER 4
RELATIONSHIP TO LAND USE POLICIES
AND CONTROLS OF THE AFFECTED AREA

4.1 OVERVIEW

State and County policy plans and land use plans and controls are established to guide development in a manner that enhances the overall living environment of Hawaii, and that ensures that long-term social, economic, environmental, and land use needs of the people of Hawaii are met.

4.2 STATE OF HAWAII

4.2.1 State Plan

The Hawaii State Plan sets forth goals in the areas of the economy, the physical environment, and the physical, social and economic well-being of the people express the ideal end-states of planning in the State. The Kaupuni Neighborhood Park Master Plan supports the following general objectives and policies of the State Plan:

Section 226-23, Objectives and Policies for Socio-Cultural Advancement- Leisure

- (1) *Provide a wide range of activities and facilities to fulfill the cultural, artistic, and recreational needs of all diverse and special groups effectively and efficiently.*
- (2) *Enhance the enjoyment of recreational experiences through safety and security measures, educational opportunities, and improved facility design and maintenance.*

4.2.2 State Land Use Commission

The State Land Use Commission classifies all lands in the State of Hawaii into one of four land use designations: Urban, Rural, Agricultural, and Conservation. The proposed project is located within the State Agricultural District. According to State Law, Chapter 205, HRS, land use controls in the Agricultural District is under the jurisdiction of the State Land Use Commission. Park development is permitted under this land use designation, however construction of the

proposed community center will require a district boundary amendment from the Agricultural District to the Urban District or a Special Use Permit.

4.3 CITY & COUNTY OF HONOLULU

Land uses in the State Agricultural District are controlled by the City & County of Honolulu's General Plan and Land Use Ordinances.

4.3.1 General Plan

The General Plan for the City and County of Honolulu provides a statement of the long-range social, economic, environmental, and design objectives for the general welfare and prosperity of the people of Oahu. The proposed project is in conformance with the General Plan's objectives and policies for Natural Environment and Culture and Recreation:

Natural Environment

Objective B: To preserve and enhance the natural monuments and scenic views of Oahu for the benefit of both residents and visitors.

Policy 2: Protect Oahu's scenic views, especially those seen from highly developed and heavily traveled areas.

Policy 4: Provide opportunities for recreational and educational use and physical contact with Oahu's natural environment.

Kaupuni Neighborhood Park provides over 7.5 acres of open-space recreation area within the Waianae Valley Homestead. Dramatic views of the Waianae Mountains, Kamaileunu Ridge, Paheehee Ridge, and local landmark pu'us of Mauna Kuwale, Koelali'i, and Paheehee are visible from the park, as are distant horizon views of the ocean spanning the mouth of the Waianae Valley. With views covering the entire range of the 'ahupua'a of Waianae, the park thus offers a vantage on Waianae's natural and cultural history. The parks multi-purpose fields, though underutilized due to poor surface conditions, are used by individuals and groups for individual and group sports activities, while the small pavilion and comfort station serves as a gathering area for area residents.

Culture and Recreation

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

Policy 1: Develop and maintain community-based parks to meet the needs of the different communities on Oahu.

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

Proposed improvements to Kaupuni Neighborhood Park will enhance the park's role in the local community as a gathering place and recreational resource. Facilities at the park are currently limited to multi-purpose playing fields and a small pavilion and comfort station. Based on the expressed needs of the community through their direct input in the master planning process, park resources are planned to include hard courts for basketball and volleyball, walking paths, nighttime lighting, and improved field surfaces. These improvements will increase the recreational alternatives for inner-valley residents who currently must drive to the coastal parks to find hard courts and serviceable playing fields.

4.3.2 Zoning

The City & County zoning designation for the park site is P-2, General Preservation. Proposed park development complies with the intent and objective of this zone. The park assists in the preservation of open space and provides recreational experiences for all age groups in the Waianae community. See **Figure 4-1, County Zoning**.



Legend

- Ag-1 Agriculture (Restricted)
- Ag-2 Agriculture (General)
- CO Country
- P-1 Preservation (Restricted)

Source: City & County of Honolulu, GIS Database
Online Services Island of Oahu, Feb 2002

FIGURE 4-1
COUNTY ZONING
Kaupuni Neighborhood Park
Master Plan, Waianae, Oahu



Alan Fujimori Landscape Architect

4.3.3 Wai'anae Sustainable Communities Plan (WSCP)

The WSCP provides conceptual, long-range visions and policies to guide land use and infrastructure decisions for the leeward region of Oahu stretching from Nanakuli to Ka'ena Point. The proposed project is supported by the following sections of the WSCP:

3.11 PARKS AND RECREATIONAL AREAS

3.11.2 General Policies Pertaining to Parks and Recreational Facilities

3.11.2.1 Development of Adequate Public Parks a Top Priority

Parks and recreational facilities are of great importance to the health and welfare of the Waianae community, and especially important to the health and well-being of Waianae's children and young people. At least the minimum number and size of community-based parks should be developed by the Year 2020. The development of the Waianae Regional Park should also be a high priority. Thereafter, the City should assess the need for additional parks and recreational facilities, and, where there is an identified need above the minimum standards, these additional facilities should be provided.

Kaupuni Neighborhood Park is the only *neighborhood* park serving the Waianae ahupuaa, and the only park located within the valley interior. With the nearest park (Pililaau Community Park) of any size located approximately 2 miles away, Kaupuni currently provides a recreational resource for a service population beyond the standard neighborhood park service radius of ½ mile. Proposed improvements, including resurfacing the existing multi-purpose playing fields and the development of new hard courts for basketball and volleyball will help meet current demands for recreational facilities from surrounding neighborhoods. Proposed nighttime lighting will expand the availability of recreational resources to meet after school demands.

3.11.3 Planning Guidelines for Parks and Recreational Facilities

3.11.3.1 More Neighborhood Parks Needed

In the Waianae District there is a shortfall of 7 to 8 Neighborhood Parks based on the City's park standards. This shortfall should be addressed through an incremental park development program. Generally, there should be two

neighborhood parks for each of the main settlement areas of the District: Nanakuli, Maili/Lualualei, Waianae, and Makaha. There are some, but not many undeveloped lands within these Rural Community areas. The needed acreage for park development should be secured before infill residential development of vacant/residentially zoned lands precludes the location of neighborhood parks in close proximity to these developed areas.

As noted above, Kaupuni Neighborhood Park is the only neighborhood park located within the Waianae Valley interior. Even so, due to poor field conditions and the comfort station/pavilion's current state of disrepair, the park is currently underutilized as a neighborhood resource. Proposed master planned improvements will correct existing deficiencies and enhance the park's value as a recreational resource by adding four new hardcourts and other amenities. Until such time as additional park land can be obtained and developed, Kaupuni Neighborhood Park's facilities will continue to serve all of the residents of the Waianae Valley interior.

3.11.3.2 Flexible Criteria for Recreational Facilities

In developing neighborhood parks, there is a need for more flexibility with the criteria for "allowed" recreational facilities. For example, current City standards specify the development of a comfort station for a neighborhood park, but a "recreation building" is not included. However, depending on the service population, the location of the neighborhood park, and the distance to a community park that provides a recreation building, a recreation building or multi-purpose building should be provided for a neighborhood park if there is a clear need for one. Since building maintenance and supervision services are always an issue - in terms of both personnel and overall costs - a cooperative program could be established whereby a community organization will share in supervision responsibilities and maintenance costs of a recreation building.

Kaupuni Neighborhood Park is the only neighborhood park serving the interior of Waianae Valley. The nearest public park (Pililaa Community Park) is located approximately 2 miles away. During the park master planning process, residents, primarily from the Waianae Valley Homestead, emphasized the need for a community gathering place to focus neighborhood resources and strengthen neighborhood connections, particularly between community elders and

the younger generations. The park currently serves this purpose to some extent by nature of its location at the center of the Homestead community. The existing pavilion and comfort station are used by local kids and adults for group activities and gatherings. However use of the existing facility is limited by size, poor lighting, exposure to the elements, and lack of amenities. Moreover, local residents were quick to point out the valley-wide need for such facilities, which currently are available only in parks and public facilities along the coast – a difficult distance for most inner-valley residents. In light of these circumstances, the residents' desire for development of a community center, as envisioned in the Master Plan, is wholly in keeping with the spirit of flexible criteria for recreational facilities that is expressed in the Waianae Sustainable Communities Plan.

CHAPTER 5
NECESSARY PERMITS AND APPROVALS

5.1 STATE OF HAWAII

5.1.1 Department of Health

Because the project site is more than 1 acre in area, a National Pollution Discharge Elimination System (NPDES) Permit for Storm Water Discharges from DOH, Clean Water Branch is required. The NPDES permit will be obtained before project activities begin.

Excessive noise levels generated by project activities will require that a noise permit be filed with DOH, Noise and Radiation Branch. The provisions of the noise permit will require that contractors muffle all construction vehicles and machinery and maintain all noise attenuation equipment in good operating condition.

5.2 CITY & COUNTY OF HONOLULU

5.2.1 Board of Water Supply

Water availability, applicable Water System Facilities Charges, and Cross-Connection Control and Backflow Prevention requirements will be determined during the building permit application process.

5.2.2 Department of Planning and Permitting

Building and Grading Permits

Proposed improvements will require building and grading permits

District Boundary Amendment or Special Use Permit

The proposed community center is not a permitted use within the State Agricultural District without a district boundary amendment from the Agricultural District to the Urban District or a Special Use Permit.

CHAPTER 6
RELATIONSHIP BETWEEN LOCAL SHORT-TERM USES OF THE ENVIRONMENT AND
MAINTENANCE AND ENHANCEMENT OF
LONG-TERM PRODUCTIVITY

Development of the proposed project will commit necessary lands and building materials. The park is located on lands that were previously used for cattle grazing until development of the Waianae Valley Homesteads in 1975. The park is currently underdeveloped and underutilized as a community resource. The poor condition of the playing fields and comfort station are a deterrent to use. The use of resources necessary to develop the park will benefit the residents of Waianae by making the existing park land and facilities functional, and by expanding recreational resources to meet increasing demands from the growing population.

CHAPTER 7
IRREVERSIBLE AND IRRETRIEVABLE
COMMITMENT OF RESOURCES

Development of the proposed project will involve the irretreivable loss of certain environmental and fiscal resources. However, the costs associated with the use of these resources should be evaluated in light of recurring benefits to the residents of Waianae.

It is anticipated that the construction of the proposed project will commit the necessary construction materials, land, fiscal resources, and human resources (in the form of planning, engineering, construction and labor). Reuse for much of these resources is not practicable. Although labor is compensated during the various stages of the project, labor expended for project activities is non-retrievable.

CHAPTER 8
ORGANIZATIONS AND AGENCIES CONSULTED
DURING THE 30-DAY DEA REVIEW PERIOD

8.1 FEDERAL AGENCIES

U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service

8.2 STATE AGENCIES

Department of Accounting and General Services
Department of Business, Economic Development & Tourism
 Office of Planning
Department of Hawaiian Homelands
Department of Health
Department of Land and Natural Resources
 Land Division
 State Historic Preservation Division
Department of Transportation
Office of Environmental Quality Control
University of Hawaii, Environmental Center

8.3 CITY AND COUNTY OF HONOLULU

Board of Water Supply
Department of Design and Construction
Department of Environmental Services
Department of Parks and Recreation
Department of Planning and Permitting
Department of Transportation Services
Fire Department
Mayor's Office
Police Department

8.4 OTHER PRIVATE ORGANIZATIONS AND ELECTED OFFICIALS

8.4.1 Private Organizations

Hawaiian Electric Company

Verizon Hawaii

8.4.3 Elected Officials

State Senator - 21st District

Senator Colleen Hanabusa

State Representatives - 45th District

Representative Maile S. L. Shimabukuro

City Council Representative

John DeSoto

Nestor Garcia (elect)

Neighborhood Board No. 24, Waianae Coast

Albert Silva, Chairperson

8.4.4 Other Organizations

Waianae Homestead Association

Ivan Laikupu, President

CHAPTER 9 DETERMINATION

9.1 OVERVIEW

In accordance with the provisions set forth in Chapter 343, Hawaii Revised Statutes (HRS), and in Section 11-200-12 of Title 11, Chapter 200, Hawaii Administrative Rules (HAR), the proposed Kaupuni Neighborhood Park Master Plan has been assessed for short- and long-term and cumulative effects on the environment.

9.2 SIGNIFICANCE CRITERIA

Significance criteria set forth in Section 11-200-12 of Title 11, Chapter 200 HAR were used to evaluate the potential impacts of the proposed project on the environment. The thirteen criteria are listed below along with a brief discussion.

Criteria 1. Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;

An assessment of flora and fauna, and historic and archaeological sites at and near the project area found no presence of natural or cultural resources that would be jeopardized by the proposed Master Plan improvements. Members of the community were consulted in accordance with Act 50 requirements and determined that there are no known cultural resources or practices that would be affected by the proposed action. Based on the community consultation and consultation with DLNR, Historic Preservation Division, it is anticipated that the proposed project design will have "no effect" on any historic or cultural resources.

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

Kaupuni Neighborhood Park was developed in 1975 in conjunction with the Waianae Valley Homestead. The proposed Master Plan improvements will not require expansion of the existing park site and will not result in new land uses or activities that would curtail the current range of beneficial uses of the environment. On the contrary, development of the park according to the Master Plan will expand the range of recreational uses and enhance the value of the park as a community resource.

Criteria 3. Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in chapter 344, HRS;

The project proposal has been prepared according to State and County guidelines, plans, and policies and has been found to be in compliance with all relevant provisions.

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

The proposed project is expected to have a beneficial effect on the social environment of the community through the provision of improved recreational facilities. Park development will generate some short-term economic benefits through material procurements and the creation of construction jobs. These benefits will not be long lasting however, and will be realized primarily outside of the community. No adverse economic impacts will result from park development.

Criteria 5. Substantially affects the public health;

Factors affecting public health, including air quality, water quality, and noise levels are anticipated to be only minimally affected or unaffected by the construction and use of proposed park improvements. Appropriate mitigation measures for potential impacts to water quality will be developed in a Best Management Practices Plan to be followed by the project contractor. Noise mitigation measures will be employed during construction activities in compliance with Hawaii Administrative Rules (HAR), Title 11, Chapter 46, Community Noise Control. Construction activities will comply with DOH Rules, HAR Title 11, Chapter 59 and 60, regarding Air Pollution Control.

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

The proposed project will not stimulate unexpected change in the population. The Master Plan will guide development of public recreational facilities at the park according to established design principles and community priorities. Thus, the proposed improvements will have a positive effect on public facilities. Park improvements will result in increased vehicle traffic on areas streets, however the traffic impacts from park use will be minimal and intermittent and are

not considered significant. Parking requirements will be accommodated on-site in accordance with the City and County of Honolulu Land Use Ordinance and will not impact area residents.

Criteria 7. Involves a substantial degradation of environmental quality;

Impacts to air and water quality, noise levels, natural resources, and land use associated with the construction and use of park improvements are anticipated to be minimal. Mitigation measures described elsewhere in this document will be employed as practicable to further minimize potentially detrimental effects to the environment resulting from project activities. The proposed project does not involve substantial degradation of environmental quality.

Criteria 8. Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions;

The Master Plan represents the City & County's commitment to provide adequate recreational facilities to meet the needs of Oahu's communities. Proposed improvements are limited to the existing park site and do not involve a commitment for larger actions. The project will require no land use zoning changes and is not a stimulus to unplanned growth. Project-related impacts from construction activities and the use of the park following project completion include noise, construction dust, and traffic. These impacts are individually limited and will be mitigated through measures outlined in this document.

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

An investigation of flora and fauna in the project vicinity discovered no species that are listed as rare, threatened, or endangered by the State or Federal government. Agricultural use, intensive land modifications, and development of the Waianae Valley Home Steads in the project area have long since replaced native habitat.

Criteria 10. Detrimentially affects air or water quality or ambient noise levels;

No impacts to water quality are anticipated from the proposed project. No surface waters are located on the project site. Nearby Kaupuni Stream flows intermittently within Kaupuni Gulch. Erosion controls and discharge pollution prevention measures will be installed during construction to prevent discharge of storm water runoff into the gulch and stream. Discharge

controls will conform to State of Hawaii, Department of Health (DOH) regulations pursuant to Hawaii Administrative Rules, Title 11, Chapter 55, Water Pollution Control. Consistent trade winds in the area help maintain good air quality. The project contractor will ensure that construction activities comply with DOH Rules for Community Noise Control, (HAR §11-46).

Criteria 11. 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 project site is located inland from any coastal waters within an area for which the Federal Emergency Management Agency has not yet determined flood hazards. Based on area topography, the project site is unlikely to be affected by flooding, and proposed improvements will not contribute to conditions that would cause or exacerbate flooding. All structures proposed for this project will be built, at a minimum according to equivalent standards for seismic zone 1, as established by the Uniform Building Code. The project is not located in an environmentally sensitive area and is unlikely to affect or suffer damage from natural forces.

Criteria 12. Substantially affects scenic vistas and view planes identified in County or State plans or studies;

The project site is not located within any scenic vista or view plane identified in County or State Plans. Park improvements will be noticeable from surrounding areas, but will not detract from existing views. The proposed community center will be situated near the south-west edge of the park and offset from Kaneaki Road where it will not intrude on the open space quality of the park. The building will be oriented to capture views of the Waianae Range, Mt. Kaala, Kamaileunu Ridge, Mauna Kuwale, and Pu'u Paheehee Ridge.

To minimize long-term visual impacts, the project will conform to setback requirements, use appropriate landscaping and lighting, and abide by design guidelines for structures, including building heights, locations, materials, colors, and landscaping. Visual impacts associated with construction activities will be temporary and are not considered significant.

Criteria 13. Requires substantial energy consumption.

Construction activities associated with the project will require high, short-term energy use. Park improvements will require increased energy consumption for lighting of the proposed courts, pedestrian pathway, and parking lot. Development of the community center will also require energy for air conditioning, lighting, office equipment, communication equipment, and security. Park facilities will be designed with up to date energy saving measures wherever economically feasible, in compliance with the Hawaii Model Energy Code, 1993. No substantial increases in energy consumption will result from this project.

9.3 FINDINGS

In accordance with the provisions set forth in Chapter 343, Hawaii Revised Statutes, and the significance criteria in Section 11-200-12 of Title 11, Chapter 200, it is anticipated that the project will have no significant adverse impact to water quality, air quality, existing utilities, noise levels, social welfare, archaeological sites, or wildlife habitat. All anticipated impacts will be temporary and will not adversely impact the environmental quality of the area. Therefore, it is recommended that an Environmental Impact Statement (EIS) not be required, and that a Finding of No Significant Impact (FONSI) be issued for this project.

REFERENCES

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(DBED&T, 2000b) *Population & Economic Projections for the State of Hawaii to 2025*, DBED&T 2025 Series, Research & Economic Analysis Division, Department of Business, Economic Development, and Tourism, State of Hawaii, Honolulu, February 2000.

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(DHHL, February 1975) *Final Environmental Impact Statement for Waianae Valley Road Homestead Subdivision*, Department of Hawaiian Home Lands, State of Hawaii, February 1975.

(DPP, July 2000) *Wai'anae Sustainable Communities Plan*, Department of Planning & Permitting, City & County of Honolulu, July 2000.

(Atlas of Hawaii, 2000) *Atlas of Hawaii, 2nd Edition*, Eds. Juvik, Sonia; Juvik, James; and Paradise, Thomas, University of Hawaii Press, Honolulu, HI, 2000.

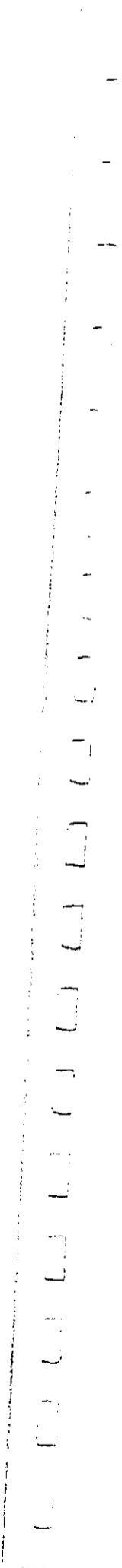
(USCB, 2000) *Census 2000*, U. S. Census Bureau, Washington D.C., 2000.

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APPENDICES

Appendix A

Notes from Community Master Planning Work Sessions



**Site Visit
Kaupuni Neighborhood Park**

Date/Time: Thursday, March 21, 2002 6:00 p.m.

Attending:

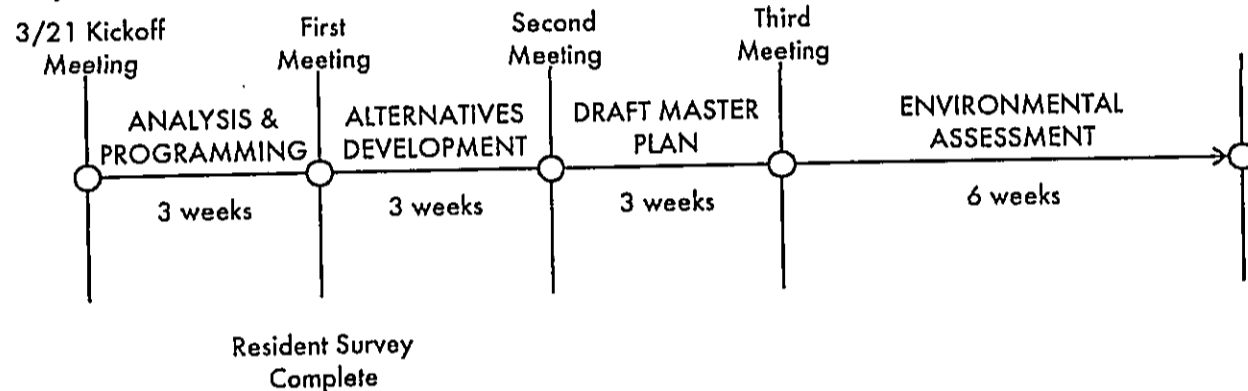
Jo Jordan Chair Parks Committee, Neighborhood Board #24, Waianae Coast
 jobear55@aol.com 696-6009
 Ivan Laikupu President, Waianae Homesteaders' Association
 Jackie Spencer District Supervisor, Parks & Recreation
 Alan Fujimori RMTC - Project Manager
 Jim Niermann RMTC - Project Planner

Purpose:

Met at park site to discuss master planning process and community meeting schedule.

Outcomes:

Project Timeline:



Community Meeting Schedule:

April 10, Wednesday, 7pm - Analysis & Programming

Attendees: Residents of Waianae Homestead. Later meetings will include park user groups identified by Jackie Spencer. Initial input and program direction should come from immediate neighborhood.

Purpose: Presentation of site analysis, opportunities and constraints
 Park programming - soliciting ideas from the community, sketching out several conceptual program directions to develop further.

Product: 4 to 5 sketch drawings of conceptual program directions. Prioritized list of desired improvements. Additional site analysis data, list of park issues and community concerns.

Location: Kaupuni Park

May 8, Wednesday, 7pm - Alternatives Development

Attendees: Residents of Waianae Homestead. Park user groups (sports leagues), identified by Jackie Spencer.

Purpose: Presentation of several program concepts. Refinement of concepts. Selection of three alternatives for development into Draft Master Plan.

Product: Sketch drawings of three conceptual master plan alternatives. Prioritized list of desired improvements.

Location: Kaupuni Park

May 29, Wednesday, 7pm - Draft Master Plan

Attendees: Residents of Waianae Homestead. Park user groups (sports leagues), identified by Jackie Spencer.

Purpose: Presentation of Draft Master Plan alternatives. Selection of preferred alternative. Refinement of Master Plan concept with Community input. Final prioritized list of master plan improvements.

Product: Sketch drawing of preferred Master Plan.

Location: Kaupuni Park

June 19, Wednesday, 7pm - Final Master Plan

Attendees: Residents of Waianae Homestead. Park user groups (sports leagues), identified by Jackie Spencer.

Purpose: Presentation of Final Master Plan to community.

Location: Kaupuni Park

Cultural Practices

Jo Jordan and Ivan Laikupu provided the following names to contact for interviews about cultural practices:

Jonathan Wong	695-8647	Waianae Ahupua'a President
Frenchy Desoto	696-5678	Resident, Waianae Ahupua'a
Gege Kewalo	696-2932	Waianae Hawaiian Civic Club
George Paris Jr	671-8225	Resident, Launched initial park effort.
Melva Aila	696-9921	Family roots, husband is William, harbor master
Edward Poe	696-2070	Family roots
Eric Enos		Kaala Learning Center
Hattie Kalama		
Momi Kamahele	455-0355	Worked with the community survey
Glen Kila	696-0041	Koa Mana
Alika Silva		Koa Mana, Kamaili Elementary Principal

Resident Survey

A community survey is being undertaken by the Homesteaders' Association with funding from the Consuelo Foundation and analytical support from UH. Content is focused on residents' ideas and desires for redevelopment of the park. Survey questionnaire involves individual interviews with every household. Survey is more than 50% complete. Ivan Laikupu is working with local highschool students to complete the interviews.

Community Recreation Center

Some discussion about construction of a Community Rec. Center. Ivan and others in the community favor construction of a CRC with kitchen, meeting rooms, and a large interior performance space for use by hula halau and others. Ivan suggested looking at Papakolea as an example. Alan noted that the Papakolea Rec. Center is on the edge of the community along an arterial road, not on an interior residential street. Parking and traffic are significant issues to be addressed in the Environmental Assessment, especially impacts within a residential neighborhood. Events at Rec. Centers generate "pulse" traffic: high volumes of traffic within short periods. The surrounding residents might not want to deal with those impacts. Similar concern for sports competition.

Cost of a new center would be significant. Jo noted that trying to secure funding from the City for a rec center (\$1-2 million) for a small neighborhood park is a long shot and could stall the momentum on funding other, more achievable park improvements. Can't put all our eggs in one basket.

Actions:

Ivan Laikupu:

1. Start notifying Waianae Homestead Residents of meeting schedule.
2. Check on status of resident survey and work to finish it by the 4/10/02.

Jo Jordan:

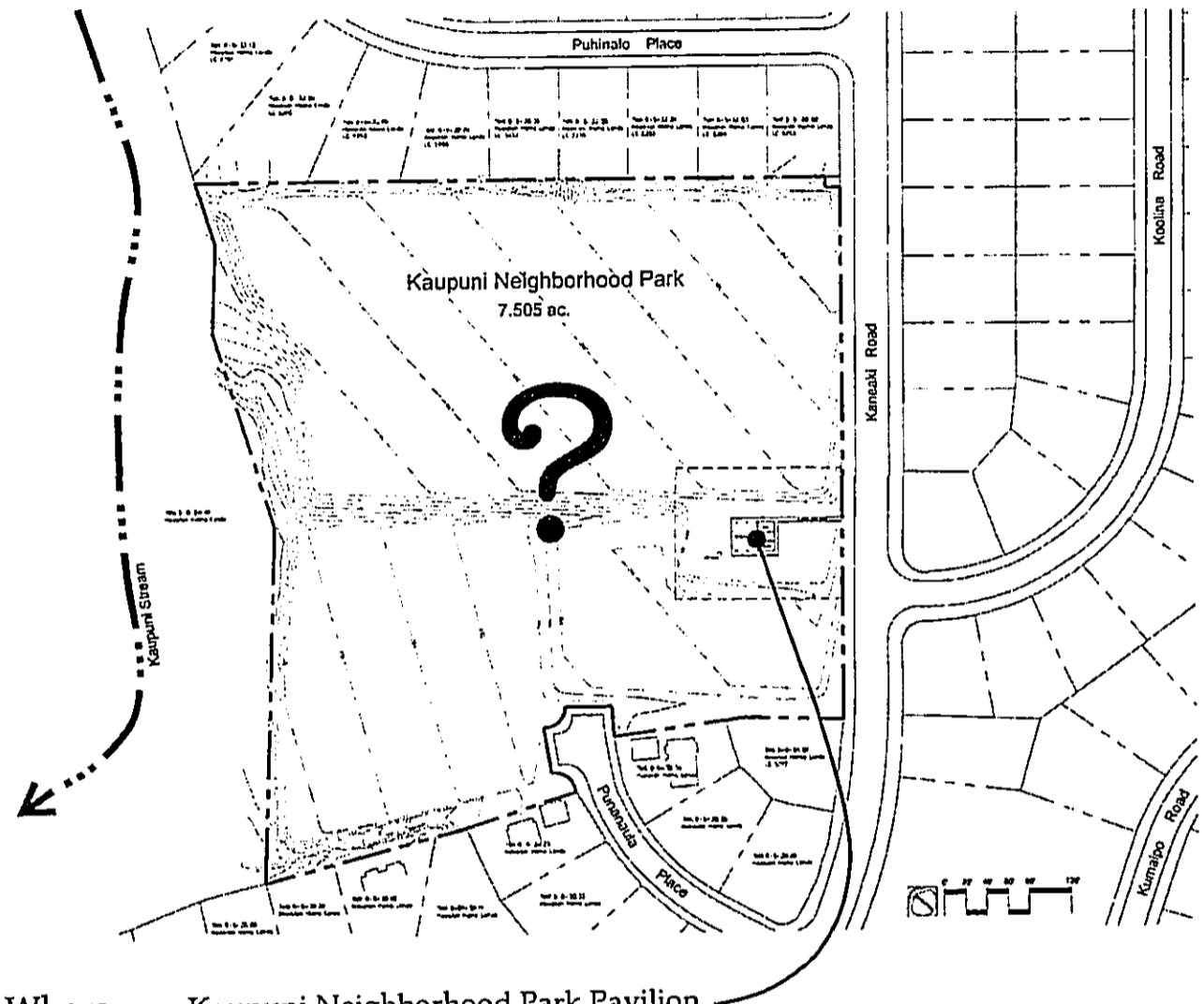
1. Get phone number for Hattie Kalama.

Jim Niermann:

1. Get mailing list from DHHL.
2. Send out notices to residents.
3. Conduct site analysis / site visit.
4. Begin contacting individuals for cultural impact interviews.
5. Contact Don Griffin / Mike Craegh for info. about recreation/community center designs/costs.
6. Coordinate meeting logistics with Ivan, Jackie, and Jo, including lighting, materials, resident notification.

DOCUMENT CAPTURED AS RECEIVED

Kaupuni Neighborhood Park Master Plan Community Planning Work Sessions



- Where Kaupuni Neighborhood Park Pavilion.
- What Help plan your neighborhood park! The City and County of Honolulu, Department of Design and Construction invites the residents of Wai'anae Homestead to give input on the future development of Kaupuni Neighborhood Park.
- When Three community work sessions are scheduled:
 - Wednesday, May 8, 2002, 7 p.m. - Develop Master Plan Alternatives
 - Wednesday, May 29, 2002, 7 p.m. - Develop one alternative for Final Master Plan
 - Wednesday, June 19, 2002, 7 p.m. - Present Final Master Plan
- Bring A chair, a jacket, and your ideas for improving the park.
- Contact Ivan Laikupu, Wai'anae Homestead President, 696-2337
Jim Niermann, Project Planner, 842-1133

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 1, 2002

**Kaupuni Neighborhood Park Master Plan
Community Meeting Notes, 4/10/02**

Time/Location: Wednesday, April 10, 2002, 7:00 p.m., Kaupuni Park

Attending:

Ivan Laikupu President, Waianae Homesteaders' Association
Jo Jordan Chair Parks Committee, NB #24, Waianae Coast
Don Griffin City, Department of Design & Construction, Parks
Alan Fujimori RMTC - Project Manager
Jim Niermann RMTC - Project Planner

The names of residents who attended the meeting is on file with the Waianae Homesteaders' Association.

Purpose:

- Start the community planning process.
- Present site analysis.
- Get input from the community on park uses, problems, issues, and desired improvements.
- Work with the community to sketch out several concept directions to develop by the next meeting.

Minutes:

Introduction

Ivan Laikupu introduced Don Griffin, Jo Jordan, Alan Fujimori, and Jim Niermann.

Planning Process

Alan Fujimori presented an overview of the planning process and schedule.



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Site Analysis

Jim Niermann presented initial site analysis and gathered input from the residents regarding park uses, positive and negative features, and issues.

- Park Boundaries

Public Edge - Kaneaki Road forms the public edge and "front" of the park in terms of access, surveillance, and event and sport staging. Park access, activities, and uses originate primarily from this boundary. The comfort station and tot lot are centrally located along this edge. This area is the best area for event staging, but must be kept open and unobstructed to maintain views into the park for safety reasons.

In profile, this edge is formed roughly in two steps: the upper step being the large multi-purpose field, and the lower step being the comfort station & keiki lot site and smaller field area. A steep embankment created by the grade change between field and street levels makes access from the roadway to the field difficult near the comfort station. The embankment tapers to street level as you move eastward along the frontage. A similar embankment condition exists along the frontage south-west of the keiki lot, tapering to street level access at the comfort station.

Residential Edges - Residential properties frame the park on the north-west (mauka) and south-east (makai) sides. The relationship between the park and residential areas has both positive and negative impacts. A positive relationship results from the presence of residents along park boundaries: more eyes on the park discourages illicit activities, especially in the deep interior areas furthest removed from the public edge. Negative impacts to adjacent homes include noise, nighttime lighting, stray balls, and potential security concerns.

Homes on the mauka side are perched on a higher grade, above the park, and are thus less likely to experience negative impacts from noise, stray balls, trash, and visual and physical intrusion. Their location makes them highly visible from the public edge of the park, and thus more secure. They also benefit from sweeping, open-space views afforded by the park. The residential presence and good vantage this edge offers into the park provides a surveillance deterrence against illicit behavior in the park. Lighting will enhance this benefit.

The residential boundary on the makai side of the park is split by Punanaula Place, a small residential street terminating in a hammer head. Homes between Kaneaki Road and Punanaula Place are at park level. Beyond Punanaula Place, homes are situated on a lower grade, below park level. These homes are adjacent to the most remote and least visible section of the park, and thus are the least secure. The lots are situated below the park level makes them more susceptible to negative impacts from stray balls, and trash, as well as visual and physical intrusions from park users. Makai side homes are also situated at the receiving end of prevailing winds that cross

the park, carrying dust, grass clippings and other items.

Kaupuni Stream Edge - Kaupuni Stream and Gulch form the back boundary of the park. Kaupuni Stream flows intermittently following periods of heavy rainfall. Along this boundary, just outside of the park property line, the topography drops abruptly to the dry stream bed, approximately 25-30 feet below park grade. At the upper end of the back boundary, the drop is vertical. Progressing downstream along this boundary, the topography eases into a steep slope accessible by foot trail.

The Kaupuni Stream boundary presents a physical hazard in terms of potential injury or death from a fall, and a security hazard in terms of unwanted access from the gulch. Overgrown vegetation along this boundary contributes to the security hazard by screening unwanted activities. Several clearings containing trash and beer bottles, both on and off the park property were found along this boundary.

The Kaupuni Stream boundary also provides benefits to the park. The undeveloped character of this edge enhances the sense of openness in the park and provides a more natural visual link to distant views of Kamaileunu Ridge and Mt. Kaala.

- Access

Kaneaki Road - provides main access to the park for both vehicles and pedestrians. It is the primary residential arterial through the Waianae Homestead. Kaneaki Road provides approximately 600 feet of parallel parking space along the front of the park - room for 25 cars.

Punanaula Place - provides secondary access into the park. Punanaula Place is a small residential street that terminates at the south-west park edge. Numerous families with small children live on this street and are at risk from increased traffic if this route becomes a major access way to on-site parking. The community should consider limiting this road to pedestrian access and hardening the entrance to prevent vehicle access onto the playing fields.

Unauthorized Vehicle Access - onto park playing fields is primarily via Punanaula Place. Vehicles also access the fields from Kaneaki Road at the upper most corner of the park. Widespread damage to the playing fields from tire ruts was noted.

Foot Trails - provide access from Kaupuni Gulch. These trails are identified as an unwanted security risk by the residents. Contacts will be made with additional community members to confirm whether or not these trails are related to traditional cultural practices.

- Playing Fields

The park is divided into three main playing field areas separated by grade changes. With respect to their value for recreational uses, the

three areas are identified as follows:

Best Area for Multi-Purpose Fields - The uppermost playing field is the largest, with 250 x 450 feet of open field area. This area is large enough for a regulation size soccer or football field including buffer zones. If the field is used for football, some means of stopping field goal balls must be devised to prevent errant balls from being lost in the gulch on one side, or being kicked into the street on the other.

Limited Use for Multi-Purpose Fields - The west corner of the park is the second largest usable space, with approximately 200 x 240 feet of open field area. This area is not large enough for a regulation softball diamond, but is enough space for T-ball and perhaps little league baseball.

Very Limited Use for Multi-Purpose Fields - The south corner of the park, adjacent to Kaneaki Road and the existing comfort station offers very limited space for field sports, but does provide adequate room for basketball and volley ball courts.

Current Uses - The fields are relatively underutilized at present. PAL little league practices on the upper field. Residents regularly walk or run the perimeter of the park. The fields are regularly the site of unauthorized vehicle access. The grade between lower and upper field areas is used for a motorcycle jump.

- **Comfort Station**

The existing comfort station is in disrepair. The structure consists of a men's and women's bathroom, small recreation storage room / office, and covered pavilion area. Lighting is very poor and is regularly vandalized and not working. Bathroom fixtures are vandalized. The office and storage room are not used due to repeated vandalism, including break-ins and fires. There is one non-ADA compliant drinking fountain. The pavilion is regularly used by residents, mainly by children for skating and rollerblading.

Security and vandalism problems at the comfort station are largely due to the building orientation relative to Kaneaki Road. The storage room and pavilion lighting have been vandalized many times due to the lack of surveillance from the street. The storage room access door is located behind the comfort station, which is out of view from the street. Public views from the road of the pavilion and storage room are blocked by the bathroom structure. Poor lighting, including automatic light shut-off in the evening, invites vandalism and other illicit activities.

- **Keiki Lot**

The keiki lot is located adjacent to Kaneaki Road, separated by a low (48") chain-link fence. Proximity to the road is a safety concern. The elevated play structure is in good condition, but is not compliant with ADA access requirements. The structure may be modified to

incorporate transfer platforms or access ramps that meet ADA standards. The use-zone beneath and adjacent to the play structure is constructed with an impact attenuating surface. The surrounding area does not contain any shaded or sheltered areas, nor benches or tables for parents to sit and rest while watching their children. The keiki lot area is fully exposed to the sun and elements. Residents want the keiki lot moved away from the road.

- Landscaping

Landscaping is extremely limited. Few trees exist in the park, and of those that do, most are very small and poorly irrigated. One healthy banyan tree is located in the southern-most corner of the park, adjacent to Kaneaki Road. Vegetation along the Kaupuni Stream boundary is overgrown and consists primarily of koa haole and a few mature kiawe trees. A cluster of plumeria trees, with one noni tree and one kukui tree are planted on the graded slope between the upper playing field and residences.

New landscaping should use native trees only - hau, kukui, noni. Community also expressed desire for a community garden. Any landscaped area that can be gardened will be gardened by the community.

- Views

Views are excellent in every direction. Distant mountain and ridge views dominate on three sides (Kamaileunu Ridge, Waianae Range, Paheehee Ridge), with foreground views of landmark pu'us (Mauna Kuwale, Koleali'i, and Pu'u Paheehee). Makai are ocean horizon views.

- Technical Issues:

Sprinkler System - Original automatic sprinkler system has been vandalized (wires ripped out), and the system must now be operated manually. The fields are not regularly irrigated. There is a problem with theft of sprinkler components and broken sprinkler heads and underground pipes. Sprinklers are routinely broken by vehicles driving on the playing fields. The sprinkler system stays broken because of the frequency of damage and City Maintenance's competing priorities. A new system should be automatic to ensure regular irrigation, with controls secured against vandalism and theft.

Field Turf - All field turf areas require soiling, fine grading, rock removal, and re-grassing. Numerous areas within the areas of play contain exposed rocks and boulders. Grass conditions vary considerably, with exposed soil in many areas and wet depressions elsewhere. Vehicle tire damage to the fields is evident throughout the park.

Drainage - Surface drainage appears to be generally good. Most of the runoff exits the site into Kaupuni Gulch. Runoff also drains onto Kaneaki Road and Punanaula Place. A 24-inch into 48-inch storm drain runs down Kaneaki Road with 2 curb inlets along the park frontage. The 48-inch drain pipe turns and follows the western boundary of the park, crossing Punanaula Place and continuing on towards Kaupuni Gulch. No other drainage inlets occur after the pipe leaves Kaneaki road. Additionally, further investigation of a small dry-well located on the north side of the comfort station is necessary.

Drainage problem areas include:

- ▶ Soil erosion onto the Kaneaki Road and Punanaula Place sidewalks. Punanaula Place erosion is partly the result of tracking from unauthorized vehicle traffic.
- ▶ A significant low-spot with standing water exists in the west corner field area. This area collects runoff from all three of the major field areas.

Water - Water for the comfort station and irrigation system is provided from a 12-inch main on Kaneaki Street. A 2-inch meter is located near the south-east corner of the comfort station, approximately 10 feet from the concrete walkway. A 2-inch double check valve back flow prevention unit is located on the field embankment near Kaneaki Road and the comfort station walkway. Approximate water demand for the park is 31,500 gallons per day (gpd), 157.5 gallons per minute (gpm) maximum (Source: 1982 Irrigation System Renovation "As-Builts").

Sewer - Sewer from the comfort station is disposed into a sewer drain pit (cesspool) located adjacent to the water meter box at the eastern corner of the comfort station. The drain pit measures 30 feet deep by 8 feet in diameter with an additional 2 feet of backfill cover on top. A sewer manhole provides access to a concrete cover with removable plug.

Electrical Utilities - Information to be provided.

Fence along Kaupuni Gulch - A fence is desired by the community. The fence should be a minimum of 6-feet high. Fencing should be heavy gauge chain-link and be arc-welded onto steel fence posts to prevent theft. Learn from previous mistakes. The old fence was stolen as soon as it was put up.

ADA Accessibility - There are no curb ramps on Kaneaki Road for wheelchair access. There are no ADA accessible parking stalls for the park. Existing comfort station facilities are not ADA compliant.

Parking - is limited to on street parking. Approximately 600 feet of street frontage along Kaneaki Road provides room for 25-30 cars. This will be an issue for the community if park improvements generate large crowds that negatively impact the neighborhood.

Vacant House - decreases park security and portrays a degraded quality of the neighborhood. DHHL is currently in the process of reacquiring it for a new family.

Programming Elements

The community made input and provided programming ideas for park improvements. Alan Fujimori facilitated the discussion. Desired improvements are listed below. The top three items, based on a vote by the community members, are listed first.

1. *Community Center* - Provide a larger community center to conduct classes and programs with *usable*, indoor and outdoor space to support activities including events cooking and cooking instruction, crafts, dance, cultural practices, and meetings. Issues to be addressed include cost, staffing, security, vandalism. Include a central trash area, storage for community garden tools and supplies. Community members cited the Algiers Consuelo Rec Center, Pupukea Community Center, and the Disabled Veteran's Center at Keehi Lagoon as good examples.

Examples provided by Don Griffin include:

Rec. Center	Square Ft.	Parking	Cost \$
Small, Typical building	6,000	25	1,500,000
Asing, Ewa building	10,000	pre-existing	1,750,000
Sunset Beach building	6,630		1,760,600
Manana building	6,630		2,424,179

2. *Courts* - Basketball and volleyball courts, must be lighted and located close to the community center and keiki lot. A small skateboard area could be included. Standard costs - excluding lighting - provided by Don Griffin include:

Basketball Court	\$65,000
Volleyball Court	\$60,000
Tennis Court	\$75,000 for two courts

3. *Lighting* - Provide lighting throughout the park and at all facilities, including sports fields, pedestrian walkway, hard courts, keiki lot, and parking areas. Lighting is essential for (1) security, and (2) to extend hours of play on the fields and courts. This will give kids something to do at night. Lighting the west corner of the park is especially important as this area is least visible and presents the greatest security risk. Lighting may be a combination of pedestrian scale lighting and field lighting.

4. *Multi-Purpose Fields* - Sports fields should be developed to accommodate regulation Pop Warner football (80-yard fields are acceptable for Mitey-Mites, Junior Peewees and Peewees). A regulation High School football field will fit within the existing field

space, including end zones and buffer areas. Field fixtures should be non-permanent in order to maintain the multi-purpose function of the field. Portable goal posts and field goals being used on the mainland could apply here. Parking is an issue if the field is used for competition. It is common to have 100+ cars at local football games in Waianae.

5. *Parking* - Provide ADA stalls at a minimum. If on-site parking is developed, it should have controlled access (chain or fence closure), few cars, and possible to locate at the end of Punananula Place. Standard development costs are approximately \$5,000 per 400 square-foot stall.
6. *Chain Link Fence* - Install fence along embankment of Kaupuni Gulch, as described above, with a clear zone between the fence and shoulder of embankment so a lawnmower can keep the fence clear of overgrowth.
7. *Walking Path* - Provide a paved pedestrian path circulating around and through the park. Standard development costs for an asphalt walkway are \$2.25 per square foot (asphalt = \$1-1.25/sf; base course = \$1/sf).
8. *New Keiki Lot* - Place in a central location, away from the road, close to the community center, between lighted hardcourts. Interest in a fence enclosure around the keiki lot was expressed by community members. Keiki lot should be expanded from the existing elevated play structure to include swings and other play apparatus.
9. *Drinking Fountains* - Place in various locations throughout the park, not just at the comfort station. Drinking fountains should be ADA compliant.
10. *Retaining Walls* - Construct retaining walls between grade changes within the park, at park frontage along Kaneaki Road, and at end of Punanula Place. Walls would prohibit unauthorized vehicle access and improve safety between the park and roadway. Residents recommend front wall to be 4 feet high. Moss rock or other rock texture is preferable.
11. *Picnic Areas* - Picnic tables with BBQ stands and ash pits should be located in various areas throughout the park. Picnic areas should be placed together with trees for shade.
12. *Community Imu* - Provide an imu in a more remote area of the park where smoke won't be a problem. An imu is a potential fire hazard if left unattended while heating stones.
13. *Community Garden* - Provide community garden space close to the community center. Wherever landscaping allows it, the community will cultivate native plants. Grants are available for starting community gardens. HECO has a native tree nursery and will give seedlings to communities that have at least \$10,000 worth of landscaping work.

14. *Landscaping* - Plant shade trees throughout the park. Use native trees only - no monkeypod or shower trees.

Conceptual Alternatives

Alan Fujimori sketched out three conceptual alternatives based on program elements suggested by the community. These sketch alternatives will be more thoroughly developed and used as the basis for the next community meeting:

Elements common to all three alternatives:

- Community Center
- Large Multi-Purpose Field
- Hard Courts
- Keiki Lot
- Fence Along Kaupuni Gulch
- Lighting
- Walking Path
- Landscaping
- Community Imu
- Community Garden Areas
- Picnic Areas
- Drinking Fountains

Alt 1

- New Community Center at location of existing comfort station.
- Keiki lot flanked by basketball and volleyball courts adjacent to Community Center along makai edge of park.
- On-site parking located behind courts in west field area of park. Access either off of Punanaula Place or by driveway off of Kaneaki Road.
- Community Imu located in west corner of park.

Alt 2

- New Community Center at location of existing comfort station.
- Keiki lot located adjacent to Community Center on makai side.
- On-site parking located adjacent to keiki lot on makai side and connecting directly to Kaneaki Road.
- Close Punanaula Place to vehicle access.
- Hard courts located inside the park along edge formed by parking lot, keiki lot, and community center.
- Two T-ball fields in west corner field.
- Retaining walls at interior grade changes and along park frontage on Kaneaki Road.

Alt 3

- New Community Center located on makai edge of park near end of Punanaula Place.
- On-site parking in front of new Community Center with direct access to Kaneaki Road.
- Close Punanaula Place to vehicle access.
- Keiki Lot flanked by hard courts adjacent to community center and parking lot with one of the courts immediately adjacent to Kaneaki Road.
- Two large multi-purpose fields kept open for softball, soccer, and football.

Alan Y. Fujimori, ASLA

Next Meeting

Next meeting will be held at Kaupuni Park on Wednesday, May 8, 2002, 7:00 pm.

Agenda:

- Presentation of three conceptual alternatives for discussion and refinement by the community.
- Presentation of prototype Community Centers with uses, square footage, and costs.
- Selection of three alternatives for development into Draft Master Plan alternatives.
- Produce three sketch drawings of the alternatives for community approval at the meeting.
- Have community prioritize the list of desired improvements.

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 9, 2002

re: **Kaupuni Neighborhood Park Master Plan
Community Work Session #2 - Notes**

Time/Location: Wednesday, May 8, 2002, 7:00 p.m., Kaupuni Park

Attending:

Ivan Laikupu	President, Waianae Homesteaders' Association
Jo Jordan	Chair Parks Committee, NB #24, Waianae Coast
Don Griffin	City, Department of Design & Construction, Parks
Alan Fujimori	RMTC - Project Manager
Jim Niermann	RMTC - Project Planner

The names of residents who attended the meeting is on file with the Waianae Homesteaders' Association. We will forward a copy to you when we receive the list.

Purpose:

- Presentation of three concept alternatives for discussion and refinement by the community.
- Selection of one alternative for development into Draft Master Plan
- Prioritize the list of desired improvements.

Minutes:

Introduction

Alan Fujimori summarized the previous meeting, reviewed the project schedule and planning process, and outlined the meeting purpose.

Review of Program Elements:

Jim Niermann reviewed the list of park program elements developed by the community in the first work session. The top three program elements desired by the community, in order of priority are:

1. **Community Center** - Provide a community center with room to conduct classes and programs with *usable*, indoor and outdoor space to support activities including event cooking and cooking instruction, crafts, dance, cultural practices, and meetings. Include a central trash area, storage for community garden tools and supplies. Issues to be addressed include cost, staffing, security, and vandalism.
2. **Courts** - Basketball and volleyball courts, must be lighted and located close to the community center and keiki lot.
3. **Lighting** - Provide lighting throughout the park and at all facilities, including sports fields, pedestrian walkway, hard courts, keiki lot, and parking areas. Lighting is essential for (1) security, and (2) to extend hours of play on the fields and courts. This will give kids something to do at night. Lighting the west corner of the park is especially important as

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this area is least visible and presents the greatest security risk. Lighting may be a combination of pedestrian scale lighting and field lighting.

Additional program elements desired by the community include:

- | | |
|--------------------------------|-----------------------------|
| 4. <i>Multi-Purpose Fields</i> | 10. <i>Retaining Walls</i> |
| 5. <i>Parking</i> | 11. <i>Picnic Areas</i> |
| 6. <i>Chain Link Fence</i> | 12. <i>Community Imu</i> |
| 7. <i>Walking Path</i> | 13. <i>Community Garden</i> |
| 8. <i>New Keiki Lot</i> | 14. <i>Landscaping</i> |
| 9. <i>Drinking Fountains</i> | |

Review of Concept Alternatives

Jim Niermann presented three concept alternatives based on drafts developed by the community in the first meeting. Each of the three alternatives includes all of the program elements, but vary in layout. Program layout is primarily influenced by the parking configuration. Fixed features in all three alternatives include: fence along gulch, perimeter walking path, lighting, large multi-purpose field, two tee-ball fields, sport event staging and picnic area.

Alt 1

- ▶ New, 6,000 square foot (sf) community center at location of existing comfort station.
- ▶ On-site parking, 39 stall capacity, single in-and-out driveway with direct access to Kaneaki Road, oriented perpendicular to Kaneaki Road. Punanaula Place blocked by gate for controlled vehicle access to park.
- ▶ Keiki lot located adjacent to community center, opposite from Kaneaki Road.
- ▶ One basketball court located at end of parking lot, two volley ball courts located adjacent to keiki lot.
- ▶ Community garden and imu located between parking lot and makai edge of park.

Alt 2

- ▶ New, 6,000 sf community center at location of existing comfort station.
- ▶ On-site parking, 39 stall capacity, single in-and-out driveway with access from Punanaula Place, oriented parallel to Kaneaki Road, located adjacent to tee-ball fields.
- ▶ Keiki lot located adjacent to community center, opposite from Kaneaki Road.
- ▶ Two volleyball courts located adjacent to community center and keiki lot.
- ▶ Two basketball courts located between parking lot and volleyball courts / keiki lot.
- ▶ Community garden and imu located mauka of basketball court between parking lot and keiki lot.

Alt 3

- ▶ New, 6,000 sf community center located on makai edge of park near end of Punanaula Place.
- ▶ On-site parking, 39 stall capacity, single in-and-out driveway with direct access to Kaneaki Road, oriented adjacent and parallel to Kaneaki Road. Punanaula Place blocked by gate for controlled vehicle access to park.
- ▶ Keiki lot located between community center and multi-purpose field.
- ▶ One basketball and two volleyball courts located between community center/keiki lot and tee-ball fields.
- ▶ Imu located behind community center adjacent to parking lot. Community gardens located between community center and makai edge of park, and between parking lot and Kaneaki Road.

Community Input / Discussion

The five community members present unanimously selected Alternative 3 for further development.

Fixed Features - Community members agreed on the fixed program elements, including: fence along gulch, perimeter walking path, lighting, large multi-purpose field.

Alt 1 - was eliminated first due to the parking configuration with access from Punanaula Place. Community members agreed that parking should access from Kaneaki Road. Punanaula Place may be used for secondary, controlled access to the park, however its use should be minimized or eliminated due to potential impacts to residents on the cul-de-sac.

Additional Comments: Community garden should be relocated away from Kaneaki Road and ball courts to minimize trampling or other impacts related to high traffic and active use areas. Provide minimum of two basketball and two volleyball courts.

Alt 2 - was eliminated due to community members' preference for the location of the community center in Alternative 3.

Additional Comments: Community members like the deeper access into the park provided by the Alt 2 parking configuration, particularly that it provides parking adjacent to the ball courts. However, the parking configuration precludes one-way circulation with separate entrance and exit driveways.

Alt 3 - was preferred due to the placement of the community center in the interior of the park. In this layout, the community center opens towards the mountains and an embracing view of the total park site. An open-court area in front of the building links indoor community center activities with outdoor park uses and creates a focal point for socializing, neighborhood gatherings, and event staging.

Community Members also preferred the parking lot configuration which allows for one-way circulation with separate entrance and exit driveways onto Kaneaki Road.

Community Center - Community members want a two-story, 12,000 sf community center (6,000 sf footprint). Offset building from Kaneaki Road to provide sufficient space for parking lot. Offset from makai edge of park to allow for buffer area between community center and home at end of Punanaula Place. Provide vehicle access from parking area to back of building for service/delivery.

Jim Niermann

From: Jim Niermann
Sent: Tuesday, September 03, 2002 5:18 PM
To: 'antiquarian@hawaii.rr.com'
Subject: Kaupuni Neighborhood Park

Mr. A. Van Horn Diamond, Chair
Oahu Burial Council

Dear Mr. Diamond,

This letter is written to inform the Oahu Burial Council of the proposed re-development of Kaupuni Neighborhood Park in Waianae Valley. The following information is taken from the Draft Environmental Assessment currently being prepared for the park master plan:

The City & County of Honolulu, Department of Design & Construction has prepared a Master Plan to guide proposed development of the Kaupuni Neighborhood Park in the ahupua'a of Waianae. The park occupies a 7.5 acre parcel of land within the Waianae Valley Homestead. The land is owned by the Department of Hawaiian Home Lands, and is under lease to the City until the year 2020. The park is currently developed with multi-use playing fields, a comfort station and tot lot, however existing park facilities and fields are in a state of disrepair and are underutilized as a community resource. The Master Plan proposes to upgrade existing park amenities and develop new recreational facilities desired by the community.

Documentary research has uncovered no record of known burials or archaeological sites within the project vicinity. The lands in which the park is located are situated within the ahupua'a of Waianae. The interior of this ahupua'a is rich in cultural resources. Extensive taro cultivation was practiced in the back of the valley where perennial streams provided a reliable water source. The Kaupuni Park site, however, is located in the middle of the valley in an area characterized by dry and rocky conditions with intermittent stream flow. In historic times, the land has been used for agricultural activities and cattle grazing associated with the Freitas Dairy.

Based on consultation with area residents and with the State Historic Preservation Division SHPD, there are no known archaeological or cultural sites at the park. The project site is not used for resource gathering for cultural purposes. No native flora or fauna are known to inhabit the site. Proposed park improvements will not block existing view plains, will not be visible from coastal ocean waters, and will not obstruct any natural features or landmarks. Due to extensive land alteration from cattle grazing, agricultural use, and development of the site and surrounding area for residential use, there is little likelihood of encountering historic or prehistoric burials or subsurface archaeological remains, and no impacts to historic, cultural, or archaeological resources are expected.

There is always the possibility, however, that previously unknown or unexpected burials, subsurface cultural deposits, or archaeological features may be encountered. In the event that culturally significant remains are encountered, work will immediately cease and the SHPD will be notified to determine the significance and treatment of any findings. If burials are involved, the Oahu Burial Council will also be immediately contacted to determine proper treatment of the remains.

If you have any questions about this project, please contact me at 842-1133.

Sincerely,

Jim Niermann

Community center size should be based on the following:

- ▶ Programming - How much space is required to accommodate the activities and uses planned for the center.
- ▶ Scale - Size of the facility and amount of space required for parking in relation to the overall park area, community size, and character of the neighborhood.
- ▶ Budget - Cost of the facility. Excessive cost of a large facility might prevent it from being funded. Also, community center costs might displace funding of other desired improvements.

Parking

Provide parking area for 72 stalls to accommodate 12,000 sf community center (1 stall per 200 sf - 60 stalls), plus four hard courts (3 stalls per court = 12 stalls). Lay out with one-way circulation, two driveways – one entrance/one exit – with direct access to Kaneaki Road. Orient parking area parallel and immediately adjacent to the setback from Kaneaki Road.

Hard Courts

Provide two basketball and two volley ball courts with lighting. Locate next to tee-ball fields. The courts should be contiguous to eliminate excess buffer space. Community members requested a grassed buffer area between the volleyball and basketball courts with trees and picnic tables. Fencing around courts is optional depending on potential impacts to adjacent areas from errant balls.

Community Garden and Imu

These are low priority items. Ivan Laikupu indicated his intention to go through the Department of Hawaiian Homelands to dedicate a separate location for a community garden and imu. These items should not be included at the expense of other program elements. In particular, community members prioritized a second basketball court ahead of a community garden and imu. These items should be included only if there is room after all other program elements have been placed.

Community gardens should be fenced in to protect against animals, trampling, and other intrusions. They should be located away from main access ways. Community gardening can occur throughout the park site in spaces remaining after layout of priority program elements.

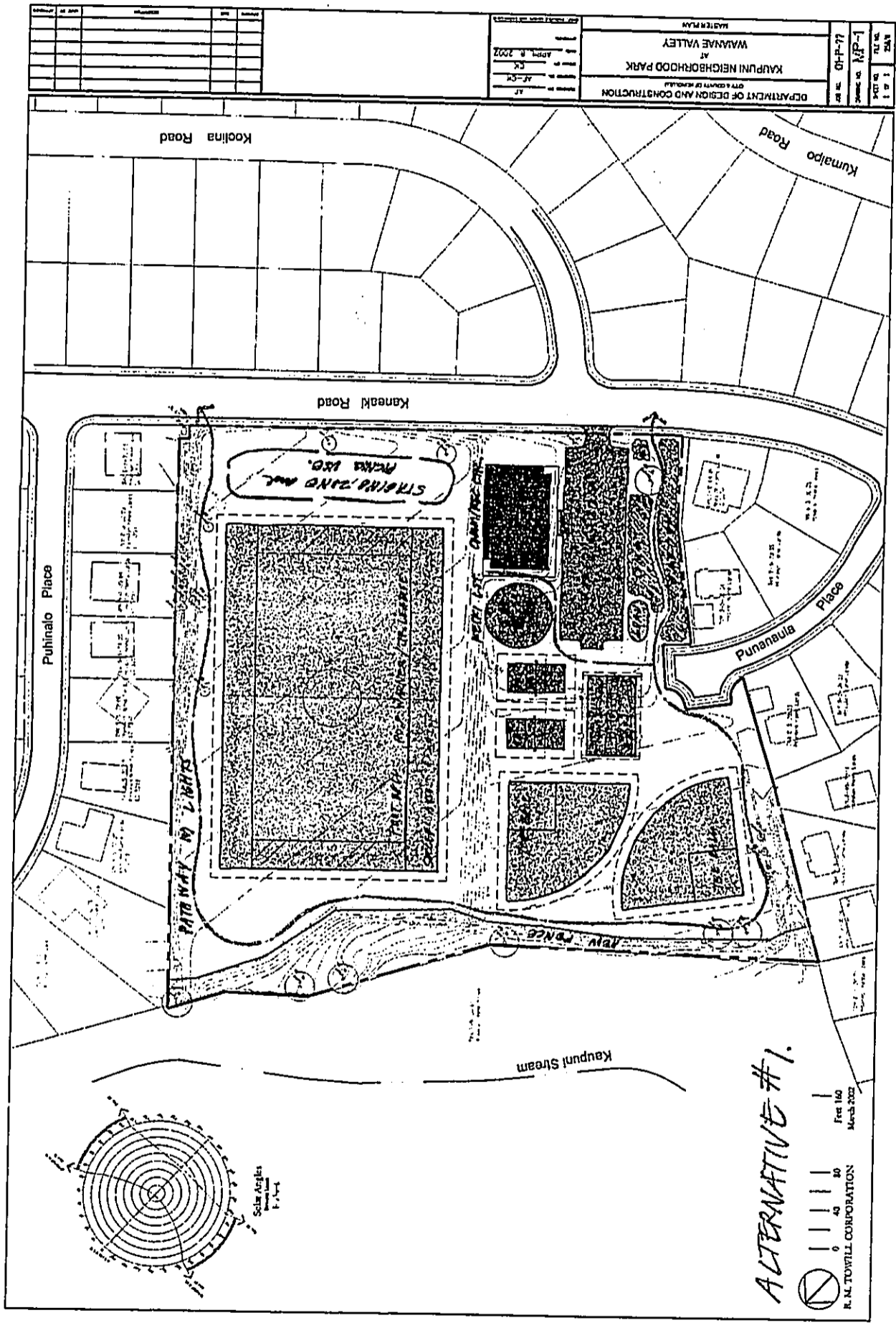
Next Meeting

Will be held at Kaupuni Park on Wednesday, May 29, 2002, 7:00 pm.

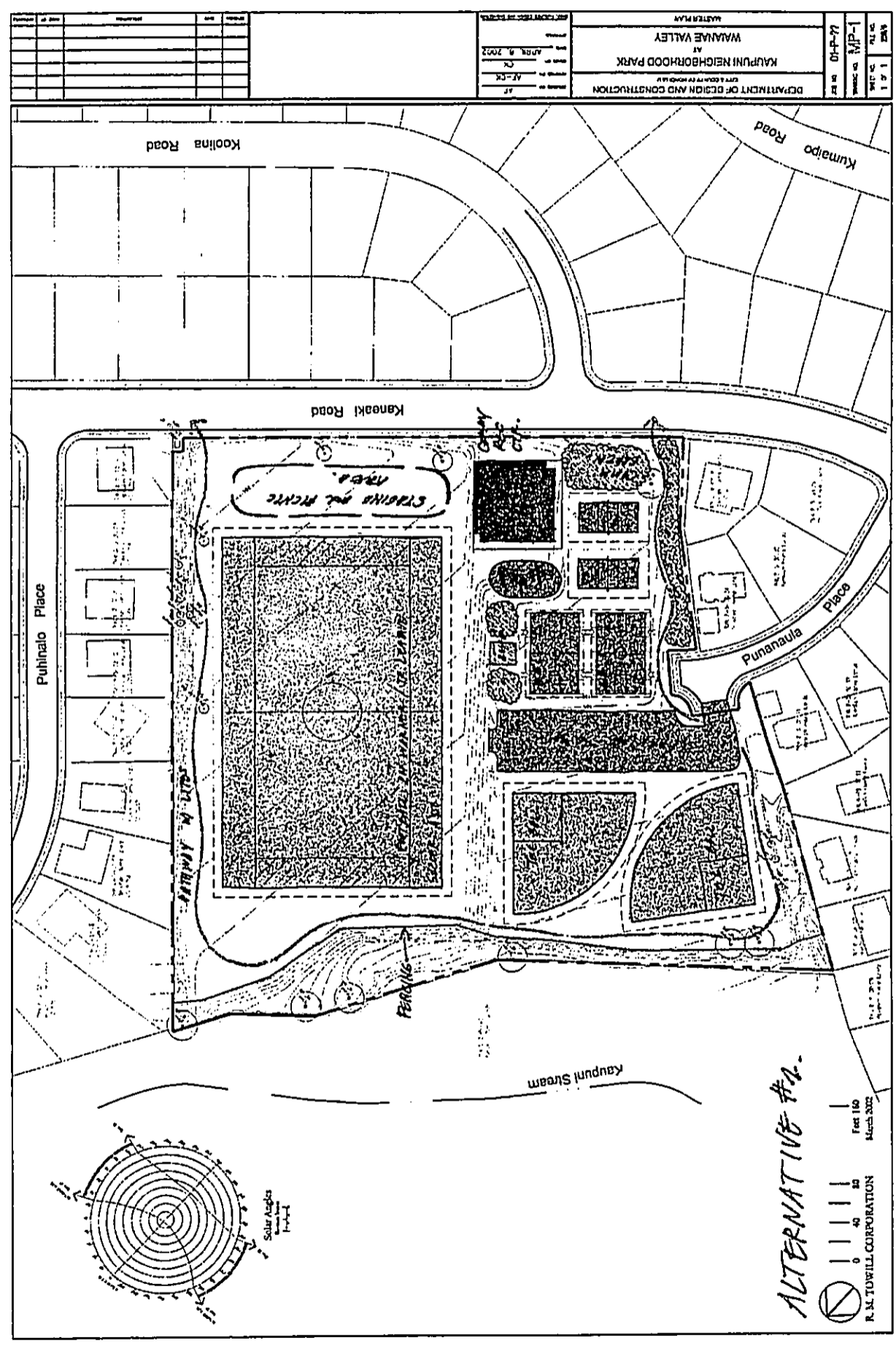
Agenda:

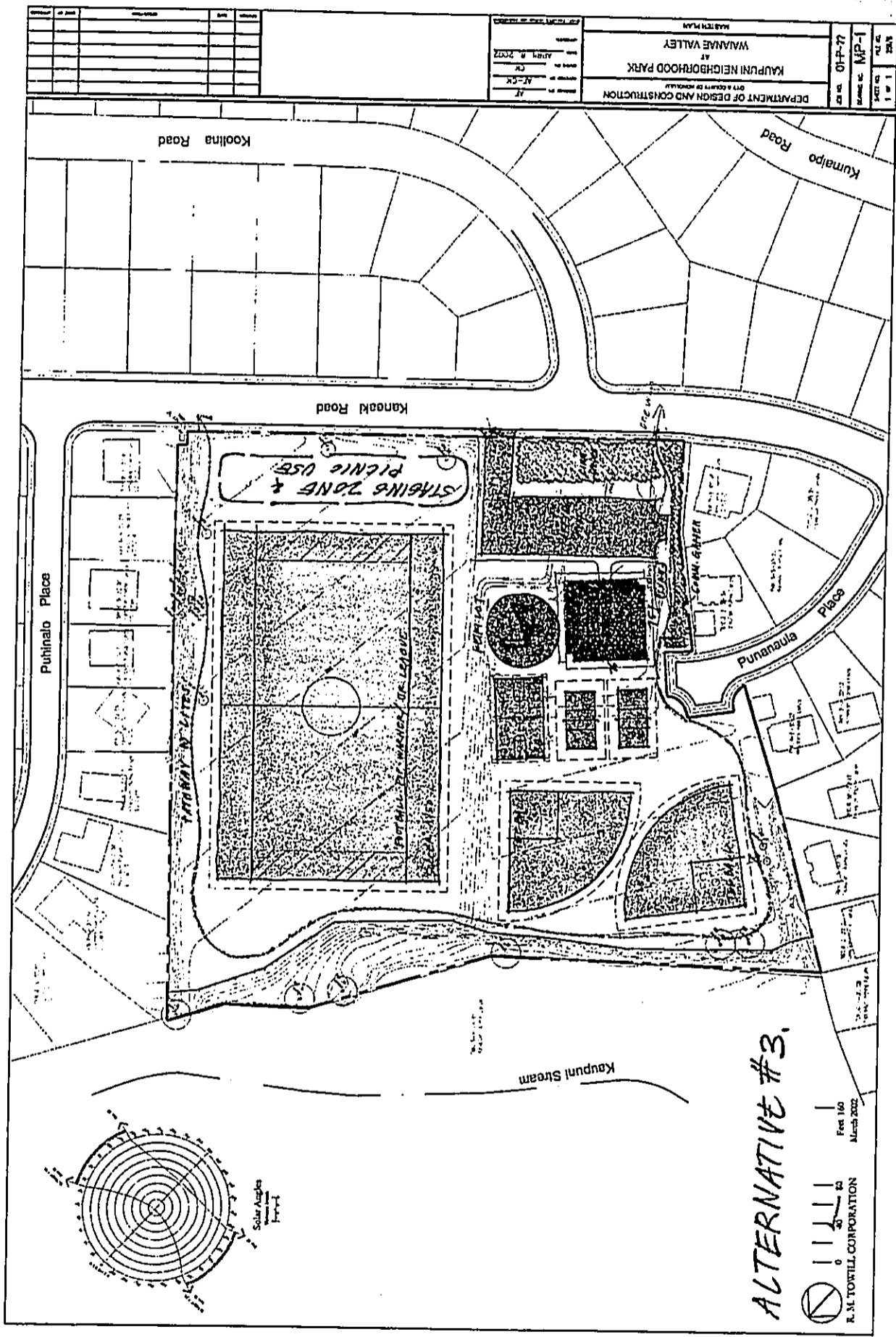
1. Present Draft Master Plan for discussion and revision by community members.
2. Present program costs and phasing.
3. Prioritize program phases.

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Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

June 3, 2002

re: **Kaupuni Neighborhood Park Master Plan
Community Work Session #3 - Notes**

Time/Location: Wednesday, May 29, 2002, 7:00 p.m., Kaupuni Park

Attending:

Ivan Laikupu	President, Waianae Homesteaders' Association
Jo Jordan	Chair Parks Committee, NB #24, Waianae Coast
Alan Fujimori	RMTC - Project Manager
Jim Niermann	RMTC - Project Planner

Residents:

Harriet Mahoe	Diane Phillips
Stefeni Maka	Kehau Johns
Lani Chillingworth Kaleiohi	Nalani Tavares
Lei Anguay	Charles Herrmann

Purpose:

- Present the Draft Master Plan.
- Present program phasing and costs (cost estimate attached).
- Prioritize program phases.

Minutes:

Introduction

Alan Fujimori summarized the previous meeting, reviewed the project schedule and planning process, and outlined the meeting purpose.

Draft Master Plan

Jim Niermann presented Draft Master Plan and Phase One Plan drawings. The master plan is designed for flexible phasing of planned improvements. The drawings depict two major phases of development hinging upon parking expansion, but could potentially represent three plans:

- No community center and retain existing comfort station
- Small community center (5,000 sf / 1 story) and retain existing comfort station
- Large community center (10,000 sf / 2 stories)

Master plan improvements include the following:

1. *Retaining Walls* - A rock retaining wall will be constructed along the grade separation between the multi-purpose field and lower park area. Amphitheater steps will be built into a 60-foot segment of the retaining wall adjacent to the keiki lot / courtyard area.

From the steps westward (downslope), the top of the wall will extend 1 foot above grade following the slope of the multi-purpose field. From the

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steps eastward (upslope), the top of the wall will remain at a fixed height around the field perimeter until it burrows into the field grade. The retaining wall will be constructed of moss rock and topped with a 4-foot high chain link fence with cross top rail.

A second rock wall segment will be constructed along approximately 140 feet of the perimeter pathway perpendicular to the westward end of the main wall. The wall will retain embanked cut and fill areas created to maintain ADA compliant pathway slopes of 1:12.

The retaining walls are an essential element of the park design. In addition to defining different use areas within the park, they are required to retain cuts into the existing berm necessary to accommodate the layout and increase the useable area of the ball courts. They also function to create proper slopes for pedestrian pathways. The retaining walls are further necessary to block unauthorized vehicle access and to prohibit the berm's use as a motorcycle jump.

2. *Field Improvements* - The multi-purpose sport field, T-ball field, picnic and sport staging area, and other open field spaces require surface improvements and upgrades to the existing irrigation system. Surface improvements include clearing, regrading, and grassing approximately 4.8 acres of field area, including a 6,800 square feet (sf) pad site reserved for a future community center.

Upgrades to the existing irrigation system will include new controllers and control valves, and may require replacement of wiring, pressure mains, laterals, and sprinkler heads depending on the depth of grading and the condition of system components. Where fill areas cover existing heads and valve boxes, these component must be raised. New irrigation systems will be required to replace areas where cut sections leave the system too shallow or exposed above finished grades.

3. *Drainage/Runoff Detention* - Detention space will be provided to accommodate increased runoff from proposed hardscape improvements, including parking, ball courts, paved pathways and courtyard area, and the community center. A grassed detention area with drain pipe and stabilized spillway will be constructed in a portion of the open field area adjacent to the west end of the retaining wall. Existing drainage patterns will generally be preserved, with flows directed westward through the park and discharging into Kaupuni Gulch. Minor grade modifications will be required to divert flows from the south-west area of the park toward the detention basin.
4. *Security Fence* - An 8-foot high chain link fence will be installed along the Kaupuni Gulch boundary of the park. The fence will be reinforced against vandalism and material theft. Chain link fabric will be welded onto fence posts. Post footings will be anchored with extra large concrete footings.
5. *Pedestrian Pathway* - A lighted pedestrian pathway will be constructed around the perimeter of the park and through the interior to provide access to program areas. The perimeter pathway will be 6-feet wide and constructed with ADA compliant surfaces and slopes. Curb ramps will be installed at three pathway entrances along Kaneaki Road, and at two locations in the parking lot.

Alan Y. Fujimori, ASLA

Pathway lighting will consist of 15 to 18-foot high pole lights spaced at 80 foot intervals. Special lighting may be used at pathway intersections and program areas. Lighting adjacent to residential areas will be shielded to minimize glare.

6. *Parking* - A new double bay parking lot aligned parallel to Kaneaki Road will be developed to accommodate parking requirements for the ball courts and community center. The parking lot will be developed in two phases as required.

The first phase will provide approximately 40 stalls to meet parking requirements for the ball courts (12 stalls total), and a community center of 5,000 to 6,000 sf (25-30 stalls).

The second phase will expand the lot by approximately 22 stalls for a total of 62 to accommodate parking requirements for the ball courts and a community center of 10,000 sf. The expansion requires demolition of the existing comfort station, therefore, the second phase must be constructed concurrent with new bathroom facilities at the community center.

Access to the lot will be from one entrance/exit driveway aligned with the intersection of Kaneaki Road and Koolina Road. Parking facilities will include lighting and landscaping. Two ADA accessible stalls are included in the counts based on the standard of 1 per 25 stalls.

7. *Ball Courts* - Two basketball and two volleyball courts will be constructed adjacent to the keiki lot and community center site. Development of the courts requires cutting into the existing berm and construction of the retaining wall to create suitable grades for court layout. In addition, a total of 12 parking stalls must be provided for the ball courts.

Ball courts will be lighted. Chain link fencing will be installed where needed to prevent errant balls from disrupting other park uses, and to provide separation between the basketball and volleyball courts.

8. *Keiki Lot* - The keiki lot will be moved away from the street to a location adjacent to the retaining wall/amphitheater steps, volleyball court, and community center site. The existing play apparatus will be used if it can be upgraded to meet ADA accessibility standards. Benches and shade trees will be provided in the surrounding courtyard area.

9. *Community Center* - The master plan accommodates a 5,400 sf community center building with the first phase of parking. With full expansion of the parking lot, the plan accommodates a two-story, 10,000 sf community center. The community center footprint may be modified by expanding towards the keiki lot / courtyard. The size of the community center is constrained by the availability of parking space.

10. *Landscaping* - Landscaping will be provided throughout the park. Except for grass, vegetation will consist entirely of native plants (endemic or Polynesian introduced). Major landscape elements include:

- ▶ A double line of trees (i.e., Kamani) with shrub (i.e., Akia) understory will be planted along Kaneaki Road adjacent to the multi-purpose field. The area will provide shaded space for picnicking and sport staging activities. Picnic tables, and trash cans will be provided.

Alan Y. Fujimori, ASLA

- ▶ A single treeline and shrub understory will be continued along the Kaneaki Road frontage adjacent to the parking lot and existing comfort station.
- ▶ The parking lot will be landscaped as required by City and County Land Use Ordinance.
- ▶ Trees (i.e., True Kou) and park benches will be provided around the keiki lot and courtyard area to provide shaded areas to sit.
- ▶ Shade trees (i.e., Wiliwili) will be planted in groupings along the perimeter pathway. Shaded areas adjacent to the T-ball field will be provided with picnic tables.
- ▶ Additional landscape fixtures include drinking fountains and trash cans located as necessary throughout the park. Three drinking fountains are planned - one existing at the comfort station, one next to the sport courts, and one on the pathway in the upper park area. Trash cans will be provided where needed throughout the park.

Program Phasing

Key considerations for program phasing include:

- The existing comfort station must be preserved until alternative bathroom facilities are developed at the community center.
- Parking must be developed before or concurrent with the ball courts (3 stalls required per court), and community center (1 stall per 200 sf).
- A runoff detention area must be developed concurrent with hardscape improvements, including parking, ball courts, and the community center.
- The retaining wall must be constructed before or concurrent with field improvements in order to avoid subsequent construction damage to field surfaces and irrigation fixtures.
- The retaining wall must be constructed before or concurrent with the volleyball and basketball courts in order to retain cuts into the existing berm that are required to accommodate the court layout.
- The perimeter pathway and lighting must be constructed together and concurrent with field improvements in order to avoid subsequent construction damage to field surfaces and irrigation fixtures.
- The security fence must be constructed after or concurrent with the field work because grading might alter the proposed fence line and/or the elevation of fence footings.

Based on these criteria, improvements are grouped as follows:

<u>Grouped Program Elements</u>	<u>Comments</u>
I Retaining Wall	Construct before or concurrent with field improvements and ball courts. Retaining walls can be developed concurrent with Group II and/or Group III improvements.

Alan Y. Fujimori, ASLA

II	Field improvements Lighted Pathway Security Fence	These improvements should be developed together to minimize construction efforts and avoid damage to improved field areas from subsequent construction activities
III	Lighted Ball Courts Parking Lot, Phase 1 Runoff Detention	Parking facilities must be provided for the ball courts (3 per court). Drainage detention is required with construction of hardscape areas.
IV	Keiki Lot	The keiki lot is not dependent on other improvements. The existing keiki lot will remain as is until the community prioritizes funding for it's replacement.
V	Landscaping	Proposed landscaping can be provided incrementally with other phased improvements.
VI	Community Center Parking Expansion	A new community center is dependent on the availability of parking, but is otherwise a stand-alone project. Phase 1 parking is adequate for a 5,400 sf building. Expansion of the parking area is required if the community center exceeds 5,400 sf.

Phasing Priorities

The community priorities for park development are as follows:

<u>Priority</u>	<u>Comments</u>
I Retaining Wall Lighted Ball Courts Parking Lot, Phase 1 Drainage Detention	The neighborhood currently has useable field space, but lacks volleyball and basketball courts. The demand for nighttime activities for community youth would be met by the provision of lighted courts. Development of parking facilities at an early stage will better position the park to accommodate a community center should funding for a building become available.
II Field improvements Lighted Pathway Security Fence	Current field conditions are not suitable for league play. Exposed rocks and dry soil increase risks of injury during play or practice. For this reason, park playing fields will remain underutilized as a community resource until the surfaces are improved. Lighting the park for improved nighttime security is also a high priority for the community.
III Landscaping	Landscaping should be provided incrementally, attached to other program phases where possible.
IV Keiki Lot	The existing keiki lot is adequate in the face of other funding priorities. A new keiki lot can be developed after other priorities are met.

Alan Y. Fujimori, ASLA

* **Community Center**

The community center remains the single preferred program element. However, community members support first seeking more modest and attainable funding from the city for other park improvements, while building a lobbying effort to obtain funding for development and operation of the community center. The Homestead Association will work with DHH and the City to explore alternative funding opportunities for community center construction, staff, operation, and maintenance costs.

Community Comments

Community members approved the Master Plan as presented, subject to the following comments:

- ▶ Construct a 2 to 4-foot rock wall along the front of Kaneaki Road and at the end of Punanaula Place to prevent vehicle access into the park.
- ▶ Park development should be prioritized as described above.

Next Meeting

The Final Master Plan will be presented to the Waianae Neighborhood Board, Parks Committee on Tuesday, June 18, 2002, 7:00 pm. Meeting to be held at the Waianae Satellite City Hall.

Jo Jordan will request that the Kaupuni Master Plan be placed on the July 2, 2002, Neighborhood Board meeting agenda for presentation and Board endorsement.

Presentations will be conducted by Alan Fujimori and Jim Niermann and supported by residents of Waianae Homestead.

Attachments

Cost estimates are provided on the attached sheets.

Master Plan Cost Estimates

Phase	Item	Unit	Quantity	Unit Cost	Cost	Construction Subtotal	10 % Design	Item Total	Running Total
						\$350,856	\$35,086	\$385,942	\$385,942
I	Field Improvements								
	Clear & Grub	SY	20,722	\$1.60	\$33,155				
	Grading - new	CY	3,450	\$25	\$86,250				
	Grading - existing	CY	3,450	\$15	\$51,750				
	Grass	SF	186,500	\$0.25	\$46,625				
	Irrigation	SF	186,500	\$0.40	\$74,600				
	Subtotal				\$292,380				
	+20% Contingency =				\$58,476				
	Detention Basin - Costs to be Determined					\$0	\$0	\$0	\$385,942
	Excavation	CY		\$20.00	\$0				
	Detention Berm	LS			\$0				
	Subtotal				\$0				
	+20% Contingency =								
	Retaining Walls					\$239,400	\$23,940	\$263,340	\$649,282
	7 ft	LF	650	\$250	\$162,500				
	Steps	LF	60	\$500	\$30,000				
	4' Chain Link Fence w/top rail, conc. foot	LF	280	\$25	\$7,000				
	Subtotal				\$199,500				
	+20% Contingency =				\$39,900				
	Perimeter Pathway - Phase 1					\$294,048	\$29,405	\$323,453	\$972,735
	4" Concrete Path - 6' wide	SF	17,340	\$6	\$104,040				
	Curb Ramps	EA	6	\$6,000	\$36,000				
	Lights - 18' pole @ 80' interval	LS	1	\$105,000	\$105,000				
	Subtotal				\$245,040				
	+20% Contingency =				\$49,008				
	Landscape					\$87,240	\$8,724	\$95,964	\$1,068,699
	Trees	EA	48	\$600	\$28,800				
	Shrub	SF	5,500	\$5	\$27,500				
	Picnic Table	EA	4	\$3,500	\$14,000				
	Picnic Table - ADA	EA	1	\$6,000	\$6,000				
	Trash Can	EA	8	\$600	\$4,800				
	Trash Can - ADA	EA	2	\$1,200	\$2,400				
	Drinking Fountain/Spigot	EA	3	\$6,000	\$18,000				
	Subtotal				\$72,700				
	+20% Contingency =				\$14,540				
					\$8,724				
	Security Fence					\$50,400	\$5,040	\$55,440	\$1,124,139
	8' Chain Link Fence w/ top rail & conc. foot	LF	700	\$60	\$42,000				
	Subtotal				\$42,000				
	+20% Contingency =				\$8,400				
	TOTAL Phase I					\$1,021,944	\$102,194	\$1,124,139	\$1,124,139

Master Plan Cost Estimates

Phase	Item	Unit	Quantity	Unit Cost	Cost	Construction Subtotal	10 % Design	Item Total	Running Total
II	Parking: Phase 1 (39 stalls)					\$234,000	\$23,400	\$257,400	\$257,400
	Construction	Stalls	39	\$5,000	\$195,000				
	Subtotal				\$0				
	Subtotal				\$195,000				
	+20% Contingency =				\$39,000				
	Sport Courts					\$380,400	\$38,040	\$418,440	\$675,840
	Basketball	EA	2	\$65,000	\$130,000				
	B-ball Lights: 6 - 400 watt / 30 ft. pole	LS	1	\$40,000	\$40,000				
	Volleyball	EA	2	\$60,000	\$120,000				
	V-ball Lights: 4 - 400 watt / 30 ft. pole	LS	1	\$27,000	\$27,000				
	Subtotal				\$317,000				
	+20% Contingency =				\$63,400				
	Kelki Lot					\$100,800	\$10,080	\$110,880	\$786,720
	Play Equipment	EA	1	\$75,000	\$75,000				
	Park Bench	EA	6	\$1,500	\$9,000				
	Subtotal				\$84,000				
	+20% Contingency =				\$16,800				
	TOTAL Phase II					\$715,200	\$71,520	\$786,720	\$786,720
	TOTAL Phases I & II					\$2,759,088	\$275,909	\$3,034,997	\$1,910,859
IIIa	Community Center - 5000 sf					\$965,940	\$96,594	\$1,062,534	\$1,062,534
	Clear & Grub	SY	750	\$1.60	\$1,200				
	Grading - existing	CY	250	\$15	\$3,750				
	Building	SF	5,000	\$150	\$750,000				
	Electrical	LS	1	\$50,000	\$50,000				
	Subtotal				\$804,950				
	+20% Contingency =				\$160,990				
	TOTAL Phase III					\$965,940	\$96,594	\$1,062,534	\$2,973,393
	(Note: running total includes Phase I, II, & IIIa)								
IIIb	Parking: Phase 2 (22 stalls)					\$132,000	\$13,200	\$145,200	\$145,200
	Paving	Stalls	22	\$5,000	\$110,000				
	Subtotal				\$110,000				
	+20% Contingency =				\$22,000				
	Community Center - 10,000 sf					\$2,465,940	\$246,594	\$2,712,534	\$2,857,734
	Clear & Grub	SY	750	\$1.60	\$1,200				
	Grading - existing	CY	250	\$15	\$3,750				
	Building	SF	10,000	\$200	\$2,000,000				
	Electrical	LS	1	\$50,000	\$50,000				
	Subtotal				\$2,054,950				
	+20% Contingency =				\$410,990				
	TOTAL Phase IIIb					\$2,597,940	\$259,794	\$2,857,734	\$4,768,593
	(Note: running total includes Phase I, II, & IIIb)								

Appendix B

Archaeological Research

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Archeological Research

Kaupuni Neighborhood Park

A document search was conducted for previous archaeological studies of the Kaupuni Neighborhood Park area. The search included catalogs and stacks at the Legislative Reference Bureau, State Library, State Archives, Office of Environmental Quality Control, and the State Historic Preservation Division. The attached letter was found in in the *Final Environmental Impact Statement for the Waianae Valley Road Homestead* Subdivision prepared by the Department of Hawaiian Home Lands (February 1975). No other archaeological studies of the area were discovered during the documentary research.

DOCUMENT CAPTURED AS RECEIVED

PROJECT OFFICES

WAIKOA OFFICE
P. O. BOX 125
WAIKOA, HAWAII 96743

LAUKAHA OFFICE
P. O. BOX 833
HILO, HAWAII 96720



STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS
P. O. BOX 1879
HONOLULU, HAWAII 96805

PROJECT OFFICES

MAUI OFFICE
P. O. BOX 22
KAHULUI, MAUI 96732

MOLOKAI OFFICE
P. O. BOX 118
HOOLEHUA, MOLOKAI 96771

KAUAI OFFICE
P. O. BOX 322
LIHUE, KAUAI 96766

February 18, 1975

Mr. Kisuk Cheung, Chief
Engineering Division,
U. S. Army Engineer Division, Pacific Ocean
Department of the Army
Bldg. 230, Ft. Shafter
APO San Francisco 96558

Dear Mr. Cheung,

Thank you for the comments made on the draft environment impact statement (EIS) for Waianae Valley Road Homestead subdivision. The engineering consultant, Mr. Yasuo Arakaki advises that the existing stream and designed bridge are capable of accommodating a stream flow of 8300 cfs. Flooding should not be a problem since the existing stream and designed bridge capacity is beyond the approximate 6000 cfs flow indicated by the Soil Conservation Service 100 year design flow.

Regarding the lack of historical and archaeological references, we note that Dr. T. Stell Newman, formerly director of Archaeology with the State Parks, Outdoor Recreation and Historic Sites Division, State Department of Land and Natural Resources, made a field investigation on the archaeological and/or historical significance of a rock pile on the site. His conclusions were that the rock pile had no historical and/or archaeological significance and the furrowing terrain of the site indicated that it had once been utilized for sugar cane growing. The clearing and planting of sugar cane on this site negates the possibility that historical/archaeological sites, if at one time present, were preserved.

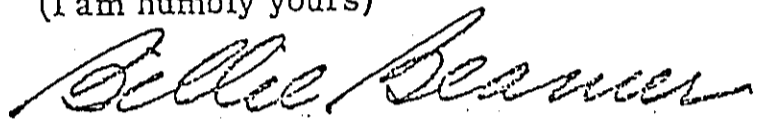
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Mr. Kisuk Cheung
Page 2

2/18/75

Thank you again for the comments and we look forward
to our continued relationship with your agency.

Owau no me ka haa haa
(I am humbly yours)



Billie Beamer
Chairman

Appendix C

Community Consultation
Assessment of Impacts to Cultural Practices
Act 50, Session Laws of Hawaii 2000

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**Community Consultation
 Assessment of Impacts to Cultural Practices
 Act 50, Session Laws of Hawaii 2000**

Date: 3/25/02	Name: Ivan Laikupu	Contact: 478-1763
<p>Notes: Ivan Laikupu is president of the Waianae Valley Homestead Association. His name was suggested by Jo Jordan, Parks & Recreation Chair of Neighborhood Board 24, Waianae Coast, as a starting point for developing a list of people to contact.</p> <p>Ivan knows of no historic, archaeological, or cultural resources or practices within the project area, however he claims no authoritative knowledge of cultural practices and deferred to other members of the community.</p> <p>He feels that development of the park, and in particular development of a community center, will strengthen the community and Hawaiian culture by providing a place for the community to come together to meet and teach and learn local histories, traditions, and cultural practices.</p>		
Date: 8/29/02	Name: Frenchy De Soto	Contact: 696-5678
<p>Notes: Frenchy DeSoto was recommended by nearly everyone as an essential contact. Ms. DeSoto confirmed that Momi Kamahele, Gege Kawelo, and George Paris, Jr. were appropriate people to contact regarding cultural practices. She deferred commenting on cultural resources and practices in the project area, but indicated that contact with the other kupuna and community leaders was most important. She further suggested the A. Van Horn Diamond of the Oahu Burial Council be contacted regarding the project.</p>		
Date: 8/28/02	Name: Momi Kamahele	Contact: 455-0355
<p>Notes: Momi Kamahele was recommended by Jo Jordan and Ivan Laikupu. Ms. Kamahele worked on a community survey of park needs conducted in the Waianae Valley Homestead. She deferred to the kupuna in the community on the subject of cultural resources and practices. She suggested contacting Sunny Poe, a long-term resident of Waianae Valley. Momi confirmed that Frenchy DeSoto, Gege Kawelo, and George Paris, Jr. were appropriate people to contact.</p>		

Date: 8/29/02	Name: George Paris, Jr.	Contact: 671-8225
<p>Notes: George Paris was recommended by Ivan Laikupu, Jo Jordan, and Momi Kamahele. Mr. Paris previously served as President of the Waianae Valley Homestead Association and was the primary force behind the initial development of Kaupuni Neighborhood Park. Mr. Paris is not aware of any cultural resources or practices at the park. He expressed frustration at the slow pace of development, and the apparent waste and lack of results from the planning, design, and construction process required by the City bureaucracy. Mr. Paris wants to see the park become a reality, and is ready to gas up a bulldozer and start pouring cement as soon as the civic will is behind the effort and the bureaucracy gets out of the way.</p>		
Date: 8/28/02	Name: Gege Kawelo	Contact: 696-2932
<p>Notes: Gege Kewalo is vice president of the Waianae Hawaiian Civic Club. She was recommended by Jo Jordan and Ivan Laikupu. Ms. Kewalo is not aware of any cultural practices or resources at the park, but claims no authoritative knowledge and deferred to other community members. She named Frenchy DeSoto, Ivan Laikupu, and Ginger Furuta as appropriate contacts.</p>		
Date: 9/3/02	Name: Van Horn Diamond	Contact: 284-4722
<p>Notes: A. Van Horn Diamond is president of the Oahu Burial Council. He was recommended by Frenchy DeSoto. Mr. Diamond claimed no authoritative knowledge of cultural resources or practices in the project area and deferred to kupuna in the Waianae Valley for such information. He believed that the names on the consultation list were appropriate. He requested that a letter be sent to the Burial Council informing them of project activities and describing mitigation measures in the event that cultural, historic, or archaeological resources, including burials or human remains, are discovered during project activities.</p> <p>An informational letter was sent by e-mail and is attached to this Appendix.</p>		

Jim Niermann

From: Jim Niermann
Sent: Tuesday, September 03, 2002 5:18 PM
To: 'antiquarian@hawaii.rr.com'
Subject: Kaupuni Neighborhood Park

Mr. A. Van Horn Diamond, Chair
Oahu Burial Council

Dear Mr. Diamond,

This letter is written to inform the Oahu Burial Council of the proposed re-development of Kaupuni Neighborhood Park in Waianae Valley. The following information is taken from the Draft Environmental Assessment currently being prepared for the park master plan:

The City & County of Honolulu, Department of Design & Construction has prepared a Master Plan to guide proposed development of the Kaupuni Neighborhood Park in the ahupua'a of Waianae. The park occupies a 7.5 acre parcel of land within the Waianae Valley Homestead. The land is owned by the Department of Hawaiian Home Lands, and is under lease to the City until the year 2020. The park is currently developed with multi-use playing fields, a comfort station and tot lot, however existing park facilities and fields are in a state of disrepair and are underutilized as a community resource. The Master Plan proposes to upgrade existing park amenities and develop new recreational facilities desired by the community.

Documentary research has uncovered no record of known burials or archaeological sites within the project vicinity. The lands in which the park is located are situated within the ahupua'a of Waianae. The interior of this ahupua'a is rich in cultural resources. Extensive taro cultivation was practiced in the back of the valley where perennial streams provided a reliable water source. The Kaupuni Park site, however, is located in the middle of the valley in an area characterized by dry and rocky conditions with intermittent stream flow. In historic times, the land has been used for agricultural activities and cattle grazing associated with the Freitas Dairy.

Based on consultation with area residents and with the State Historic Preservation Division SHPD, there are no known archaeological or cultural sites at the park. The project site is not used for resource gathering for cultural purposes. No native flora or fauna are known to inhabit the site. Proposed park improvements will not block existing view plains, will not be visible from coastal ocean waters, and will not obstruct any natural features or landmarks. Due to extensive land alteration from cattle grazing, agricultural use, and development of the site and surrounding area for residential use, there is little likelihood of encountering historic or prehistoric burials or subsurface archaeological remains, and no impacts to historic, cultural, or archaeological resources are expected.

There is always the possibility, however, that previously unknown or unexpected burials, subsurface cultural deposits, or archaeological features may be encountered. In the event that culturally significant remains are encountered, work will immediately cease and the SHPD will be notified to determine the significance and treatment of any findings. If burials are involved, the Oahu Burial Council will also be immediately contacted to determine proper treatment of the remains.

If you have any questions about this project, please contact me at 842-1133.

Sincerely,

Jim Niermann



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, HONOLULU
FORT SHAFTER, HAWAII 96858-5440

REPLY TO
ATTENTION OF:

March 18, 2003

WES		
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Regulatory Branch

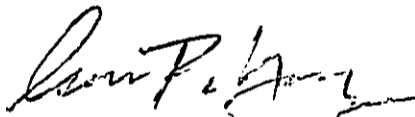
Mr. Jim Niermann
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

This letter responds to your request for comments on the draft Environmental Assessment (EA) for the Kaupuni Neighborhood Park Master Plan, dated March 7, 2003. Based on the information you provided it appears there will be no discharge of dredged or fill material into Kaupuni Stream, and therefore a Department of the Army (DA) permit will not be required for this project. Please include us on the mailing list for the final EA.

If you have any questions concerning this determination, please contact William Lennan of my staff at 438-6986 or FAX 438-4060, and reference File No. 200300320.

Sincerely,


George P. Young, P.E.
Chief, Regulatory Branch

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. George P. Young, P.E., Chief
Regulatory Branch
Department of the Army
Honolulu District, Corps of Engineers
Fort Shafter, HI 96858

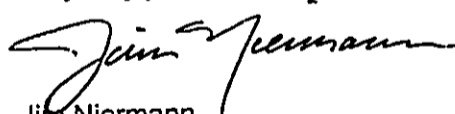
**Final Environmental Assessment (EA) for Kaupuni Neighborhood Park
Master Plan, ACOE File No. 200300320**

Dear Mr. Young:

Thank you for your letter dated March 18, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We note your determination that a Department of the Army Permit will not be required for this project. Copies of the Final EA document are on file with the State Office of Environmental Quality Control, and at the State Public Library.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Niermann
Planner

K:\plan\19298-KaupuniMPI\FEA\CORRESPONDENCE\FEA Transmittal - Kaupuni.wpd

420 Waiakamilo Road
Suite 411
Honolulu, HI. 96817

p: 808.842.1133
f: 808.842.1937
e: fujimoria001@hawaii.rr.com

LINDA LINGLE
GOVERNOR



AF ✓
JN —

RUSS K. SAITO
COMPTROLLER

KATHERINE H. THOMASON
DEPUTY COMPTROLLER

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

(P)1098.3

MAR 25 2003

Mr. Jim Niermann, Planner
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

Subject: Kaupuni Neighborhood Park
Draft Environmental Assessment

Thank you for the opportunity to review the subject project's Draft Environmental Assessment. This project does not impact any Department of Accounting and General Services' projects or existing facilities. Therefore, we have no comments to offer.

Should you have any questions, please call Mr. Allen Yamanoha of the Planning Branch at 586-0488.

Sincerely,

A handwritten signature in cursive script, appearing to read "Tadashi Yoshizawa".

TADASHI YOSHIZAWA
Acting Public Works Administrator

AY:jo

c: Ms. Genevieve Salmonson, OEQC

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Tadashi Yoshizawa
Acting Public Works Administrator
Dept. of Accounting and General Services,
State of Hawaii
1151 Punchbowl St.
Honolulu, HI 96813

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Mr. Yoshizawa:

Thank you for your letter dated March 25, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We acknowledge that you do not have any comments to offer at this time.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Niermann
Planner

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420 Waiakamilo Road
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LINDA LINGLE
GOVERNOR OF HAWAII



GENEVIEVE SALMONSON
DIRECTOR

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

233 SOUTH BERETAMA STREET
SUITE 701
HONOLULU, HAWAII 96819
Telephone (808) 586-4185
Facsimile (808) 586-3186
Email: oecq@health.state.hi.us

March 3, 2003

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

Attention: Don Griffin

Dear Mr. Steinberger:

Subject: Draft Environmental Assessment (EA)
Kaupuni Neighborhood Park Master Plan

We have the following comments to offer:

Historic and archeological resources: The draft EA indicates that the last (known) archeological research was conducted in 1975 and that in May, 2002, you met with several staff from the State Historic Preservation Office of DLNR. Since 27 years have elapsed since the last documentation, it is good that you have updated this. If it is available at the time you are preparing the final EA, include the "no effect" documentation from SHPO.

Noise: The park will be lit and open at night. What are the proposed hours of operation? How close are the nearest residences to the park? Have the neighbors nearest to the park's activity centers been consulted regarding the nuisance effect of nighttime noise? If not, consult with them regarding this impact and include the results in the final EA.

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/oecq/guidance.index.html>.

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

Sincerely,

A handwritten signature in cursive script that reads "Genevieve Salmonson".

GENEVIEVE SALMONSON
Director

c: ✓ Jim Nicemann

10:39 AM 03/03/03 09:22:02

ID:8085864186

EQC

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control,
State of Hawaii
236 S. Beretania St., Suite 702
Honolulu, HI 96813

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Ms. Salmonson:

Thank you for your letter dated March 2, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. In response to your comments, we offer the following information:

Historic and Archaeological Resources

A copy of the "no effect" determination letter from the State Historic Preservation Office is included in the Final EA.

Noise

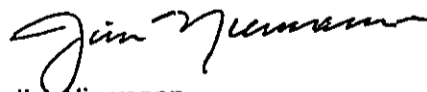
Based on consultation with the Department of Hawaiian Homelands and the Waianae Valley Homestead Association (personal communication with WVHA President Ivan Laikupu), homestead leases for properties adjacent to the park contain an acknowledgement clause about potential impacts from noise, light, and crowds associated with park activities.

Paving

The use of recycled glass in paving materials will be considered during the project design phase per HRS 103D-407.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Niermann
Planner

420 Waiakamilo Road
Suite 411
Honolulu, HI. 96817

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f: 808.842.1937
e: fujimoria001@hawaii.rr.com

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION
KAKUHIHEWA BUILDING, ROOM 585
801 KAMOKILA BOULEVARD
KAPOLEI, HAWAII 96707

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

DEPUTY
ERNEST Y. W. LAU

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

March 18, 2003

Jim Niermann, Planner
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

LOG NO: 2003.0011
DOC NO: 0303EJ08

Dear Mr. Niermann:

**SUBJECT: Chapter 6E-8 Historic Preservation Review – Draft Environmental Assessment: Kaupuni Neighborhood Park, Wai`anae, O`ahu
Wai`anae, Wai`anae, O`ahu
TMK: (1) 8-5-032:039**

Thank you for the opportunity to comment on the DEA for the proposed Kaupuni Neighborhood Park Master Plan. Section 3.15 Historic, Archaeological, and Cultural Resources summarize our discussion that there are no known archaeological sites at this location. Extensive land alteration has occurred on this parcel making it unlikely significant archaeological sites would remain. Therefore, we believe that this project will have "no effect" upon significant archaeological sites.

Should you have any questions about archaeology, please feel free to call Sara Collins at 692-8026 or Elaine Jourdane at 692-8027.

Aloha,

P. Holly McEldowney

P. Holly McEldowney, Acting Administrator
State Historic Preservation Division

EJ:jk

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Ms. Holly McEldowney, Acting Administrator
Historic Preservation Division
DLNR, State of Hawaii
601 Kamokila Blvd, Room 555
Kapolei, Hawaii 96707

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Ms. McEldowney:

Thank you for your letter dated March 18, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We acknowledge your determination that the project will have "no effect" on significant archaeological sites.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Niemann
Planner

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420 Waiakamilo Road
Suite 411
Honolulu, HI. 96817

p: 808.842.1133
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e: fujimoria001@hawaii.rr.com

LINDA LINGLE
GOVERNOR



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

RODNEY K. HARAGA
DIRECTOR

Acting Deputy Director
GLENN M. OKIMOTO

WES	
RTT	TR
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AYE	AE
JN	STP 8.0694

REPLY REFER TO:

STP 8.0694

March 17, 2003

Mr. Jim Niermann
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

Subject: Review of Draft Environmental Assessment (DEA),
Kaupuni Neighborhood Park Master Plan, Waianae, Oahu

This responds to your request for comments on the DEA for the subject park.

The proposed master plan for improving the park facility will not significantly impact the State's roadway transportation facilities.

We appreciate the opportunity to provide comments.

Very truly yours,

RODNEY K. HARAGA
Director of Transportation

c: City and County of Honolulu, Department of Design and Construction

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Rodney K. Haraga, Director
Department of Transportation
State of Hawaii
869 Punchbowl St.
Honolulu, HI 96813

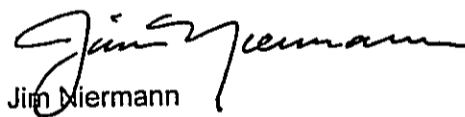
**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Mr. Haraga:

Thank you for your letter dated March 17, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We acknowledge your determination that the project will not significantly impact the State's roadway transportation facilities.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,


Jim Niermann
Planner

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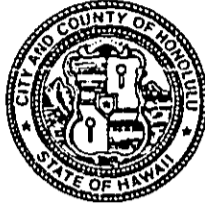
420 Waiakamilo Road
Suite 411
Honolulu, HI. 96817

p: 808.842.1133
f: 808.842.1937
e: fujimoria001@hawaii.rr.com

DEPARTMENT OF FACILITY MAINTENANCE
CITY AND COUNTY OF HONOLULU

1000 ULUOHIA STREET, SUITE 215 • KAPOLEI, HAWAII 96707
Phone: (808) 692-5054 • Fax: (808) 692-5857

JEREMY HARRIS
MAYOR



LARRY J. LEOPARDI
DIRECTOR AND CHIEF ENGINEER

ALVIN K.C. AU
DEPUTY DIRECTOR

IN REPLY REFER TO:

PRO 03-022

March 19, 2003

Mr. Jim Niermann
c/o Alan Fujimori Landscape architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

Subject: Draft Environmental Assessment for
Kaupuni Neighborhood Park Master Plan

The Department of Facility Maintenance does not have any comments at this time.

If you have any questions, please call Laverne Higa at 692-5111.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Larry J. Leopardi".

LARRY J. LEOPARDI, P.E.
Director and Chief Engineer

LJL:lh

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Larry J. Leopardi, Director
Dept. of Facility Maintenance
City & County of Honolulu
1000 Uluohia Street, Suite 215
Honolulu, HI 96813

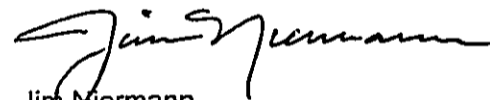
**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Mr. Leopardi:

Thank you for your letter dated March 19, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We acknowledge that you do not have any comments at this time.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Miermann
Planner

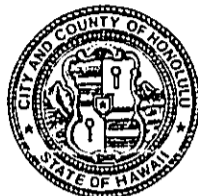
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420 Waiakamilo Road
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FIRE DEPARTMENT
CITY AND COUNTY OF HONOLULU

3375 KOAPAKA STREET, SUITE H425 • HONOLULU, HAWAII 96819-1869
TELEPHONE: (808) 831-7761 • FAX: (808) 831-7750 • INTERNET: www.honolulufire.org



JEREMY HARRIS
MAYOR

WES			
R-F	VJ2		
RTT		BRT	ATTILIO K. LEONARDI FIRE CHIEF
REC'D	MAR 25 2003	RJATC	JOHN CLARK DEPUTY FIRE CHIEF
AP/AF	(JN)		

March 20, 2003

Mr. Jim Niermann, Planner
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

Subject: Draft Environmental Assessment
Kaupuni Neighborhood Park Master Plan

We received your letter dated March 7, 2003, requesting our comments on the Draft Environmental Assessment for 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.

Mr. Jim Niermann, Planner
Page 2
March 20, 2003

3. Submit civil drawings to the HFD for review and approval.

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

Sincerely,



ATTILIO K. LEONARDI
Fire Chief

AKL/SK:bh

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Attilio Leonardi, Chief
Fire Department
City & County of Honolulu
3375 Koapaka Street
Honolulu, HI 96819

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**


Dear Mr. Leonardi:

Thank you for your letter dated March 19, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. In response to your comments we offer the following information:

- Park development will comply with Board of Water Supply standards for appurtenances, hydrant spacing and fire flow.
- Park development will comply with DTS and HFD standards for fire department vehicle access.
- Civil drawings will be submitted to HFD for review and approval.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,


Jim Miermann
Planner

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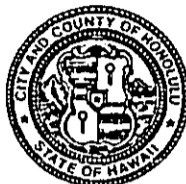
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DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
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JEREMY HARRIS
MAYOR



ERIC G. CRISPIN, AIA
DIRECTOR

BARBARA KIM STANTON
DEPUTY DIRECTOR

2003/ELOG-850 (RY)

April 9, 2003

Mr. Jim Niermann
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

Subject: Draft Environmental Assessment (DEA) for Kaupuni
Neighborhood Park Master Plan
Tax Map Key 8-5-32: 39, Waianae Homestead, Waianae, Oahu

We have reviewed the subject document and have the following comments:

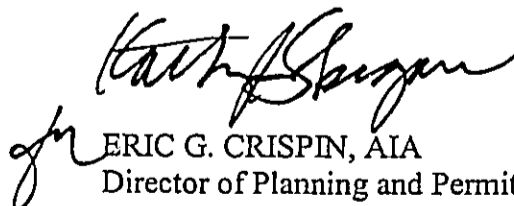
1. Section 1.3 of the Final Environmental Assessment (FEA) should explain the purpose and need for a new community center.
2. We concur that the proposed project is consistent with the objectives and policies of the General Plan relating to the Natural Environment and Culture and Recreation. However, the FEA should explain how the proposed project supports the specific objectives and policies listed in the DEA.
3. The project site is located in an area of Waianae currently designated Agriculture on the Waianae *Sustainable* Communities Plan (SCP). Recreational use is considered a compatible use in an agricultural area if servicing and adjacent to an existing residential subdivision. However, the DEA does not state how the proposed project will implement the vision for Waianae. This section of the FEA could be expanded to address how the project will implement the vision for Waianae.
4. The proposed project is included in the proposed Fiscal Year 2004 Capital Improvement Program and Budget currently being reviewed by the Department of Planning and Permitting. However, the proposed improvements are not considered major and will not need a Public Infrastructure Map revision.

Mr. Jim Niemann
c/o Alan Fujimori Landscape Architect
April 9, 2003
Page 2

5. The proposed community center is not permitted in the State Agricultural District without a district boundary amendment from the Agricultural District to the Urban District or a Special Use Permit.
6. Based on the information stated on Page 2-1 (Field Improvements), the project will require a grading permit. Include this permit to your Project Summary (Page v) and Chapter 5.
7. Page 3-3, Section 3.2.3: Revise "30 calendar days" to "14 calendar days".
8. Page 3-7, First Bullet: Revise "20 calendar days" to "14 calendar days".
9. Page 3-7, Fifth Bullet: Revise "30 calendar days" to "14 calendar days".
10. Page 3-7, Last Bullet: Explain how the monitoring and inspection plan during rainfall events was established. As an example, why should construction activities stop only during "...severe storm events such as a 100-year storm occurs..."? Would the contractor be able to identify a 100-year storm? Why was a 100-year storm selected?
11. Sections 3.5.1, 3.5.5 and Page 9-4 (Criteria 11): Oahu is in Seismic Zone 2A.
12. Why wasn't a building permit included under Page v, "Required Permits" and Chapter 5?
13. Drainage related impacts and issues associated with this project should be addressed under Chapter 3, "Environmental Setting, Potential Impacts and Mitigation".
14. A drainage report may be required at a later date.
15. Section 3.12.3, Third Bullet: Please clarify this dust control measure. Define "dusty equipment".

Thank you for the opportunity to comment. If you have any questions, please contact Raymond Young of my staff at 527-5839.

Sincerely yours,


ERIC G. CRISPIN, AIA
Director of Planning and Permitting

EGC:lh
Doc 211622

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Eric G. Krispin, AIA, Acting Director
Dept. of Planning & Permitting
City & County of Honolulu
650 S. King Street
Honolulu, HI 96813

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Mr. Krispin:

Thank you for your letter dated March 19, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. In response to your comments we offer the following information:

1. The purpose and need for the proposed community center is included in Section 1.3 of the Final EA.
2. Explanation of how the proposed project supports the General Plan is included in Section 4.3.1 of the Final EA.
3. Explanation of how the proposed project supports the Wai'anae Sustainable Communities Plan is included in Section 4.3.3 of the Final EA.
4. We acknowledge your determination that the proposed project will not require a revision to the Public Infrastructure Map.
5. State regulatory requirements for the proposed community center are included in Section 4.2.2 and Section 5.1 of the Final EA.
6. The grading permit requirement is included in the Project Summary and Chapter 5 of the Final EA.
- 7-10. Descriptions of specific Best Management Practices are removed from Section 3.4.5 of the Final EA. Specific mitigation measures will be developed by the project contractor based on professional expertise, site conditions, and the requirements of Hawaii Administrative Rules, Title 11, Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, as applicable.
11. The Final EA is corrected to identify Oahu's seismic zone designation as 2A.

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Planning
Urban Design
Landscape Architecture

12. The Building Permit requirement is noted in Chapter 5 of the Final EA.
13. Drainage is discussed in Section 3.16 of the Final EA.
14. We acknowledge that a drainage report may be required at a later date.
15. Upon consultation with civil engineers, construction managers, and contractors, each possessing extensive professional experience, a standard and uniformly acceptable definition of "dusty equipment" could not be established. Hence, the referenced dust control measure is deleted from the Final EA.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours, -



Jim Niermann
Planner

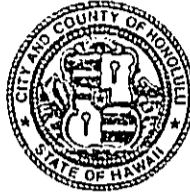
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POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU

801 SOUTH BERETANIA STREET
HONOLULU, HAWAII 96813 - AREA CODE (808) 529-3111

<http://www.honolulu-pd.org>
www.co.honolulu.hi.us

JEREMY HARRIS
MAYOR



LEE D. DONOHUE
CHIEF

GLEN R. KAJIYAMA
PAUL D. PUTZULU
DEPUTY CHIEFS

OUR REFERENCE GL-DK

April 1, 2003

Mr. Jim Niermann, Planner
Alan Y. Fujimori, ASLA
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817


Dear Mr. Niermann:

Thank you for the opportunity to review and comment on the Draft Environmental Assessment for the Kaupuni Neighborhood Park Master Plan.

This project should have no significant impact on the services and facilities of the Honolulu Police Department.

If there are any questions, please call Acting Major Gregory Lefcourt of District 8 (Kapolei) at 692-4253.

LEE D. DONOHUE
Chief of Police

By 
KARL GODSEY
Assistant Chief of Police
Support Services Bureau

Alan Y. Fujimori, A&LA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Lee Donohue, Chief
Police Department
City & County of Honolulu
801 S. Beretania Street
Honolulu, HI 96813

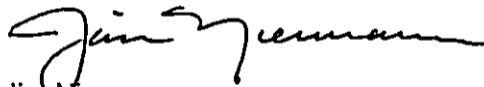
**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Mr. Donohue:

Thank you for your letter dated April 1, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We acknowledge that you do not have any comments to offer at this time.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Miermann
Planner

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420 Waiakamilo Road
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DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 3RD FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 523-4529 • FAX: (808) 523-4730 • INTERNET: www.co.honolulu.hi.us

JEREMY HARRIS
MAYOR



CHERYL D. SOON
DIRECTOR

GEORGE "KEOKI" MIYAMOTO
DEPUTY DIRECTOR

TP3/03-23159R

April 21, 2003

Mr. Jim Niermann
c/o Alan Fujimori Landscape Architect
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

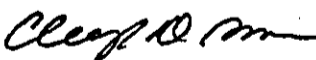
Subject: Kaupuni Neighborhood Park Master Plan

In response to your March 7, 2003 letter, we reviewed the draft environmental assessment for the subject project. The following comments are the result of this review:

1. The second paragraph on Page 2-9 states that access to the project site will be from one entrance/exit driveway. This driveway should be wide enough to accommodate two-way traffic. Also, adequate sight lines should be provided at the driveway.
2. On Page 3-16, Section 3.10.1 Roadways and Access includes descriptions of Kaneaki Road and Punanaula Place. The road widths of these two roadways should be noted and assessed. In addition, the parallel parking space along Kaneaki Road should not be included to meet off-street parking requirements.

Should you have any questions regarding these comments, please contact Faith Miyamoto of the Transportation Planning Division at 527-6976.

Sincerely,


CHERYL D. SOON
Director

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Ms. Cheryl Soon, Director
Dept. of Transportation Services
City & County of Honolulu
711 Kapiolani Blvd.
Honolulu, HI 96813

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

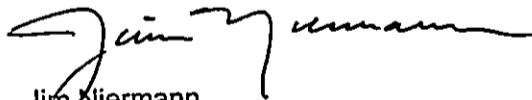
Dear Ms. Soon:

Thank you for your letter dated April 21, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. In response to your comments, we offer the following information:

1. Chapter 2 of the Final EA is revised per your comments on driveway widths and sight-lines.
2. Section 3.10.1 of the Final is revised per your comments regarding roadway widths and off-street parking.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,



Jim Niermann
Planner

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420 Waiakamilo Road
Suite 411
Honolulu, HI. 96817

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e: fujimoria001@hawaii.rr.com

BOARD OF WATER SUPPLY

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



March 21, 2003

AF ✓
JN —

JEREMY HARRIS, Mayor

EDDIE FLORES, JR., Chairman
CHARLES A. STED, Vice-Chairman
JAN M.L.Y. AMII
HERBERT S.K. KAOPUA, SR.
DAROLYN H. LENDIO

RODNEY K. HARAGA, Ex-Officio
LARRY J. LEOPARDI, Ex-Officio

CLIFFORD S. JAMILE
Manager and Chief Engineer

DONNA FAY K. KIYOSAKI
Deputy Manager and Chief Engineer

Mr. Jim Niermann
Alan Y. Fujimori, ASLA
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

Dear Mr. Niermann:

Subject: Your Letter of March 7, 2003 on the Draft Environmental Assessment for Kaupuni Neighborhood Park Master Plan, TMK: 8-5-32: 39

Thank you for the opportunity to comment on the subject document.

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

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

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

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

Very truly yours,

for CLIFFORD S. JAMILE
Manager and Chief Engineer

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Clifford S. Jamile, Chief Engineer
Board of Water Supply
City & County of Honolulu
630 S. Beretania Street
Honolulu, HI 96813

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

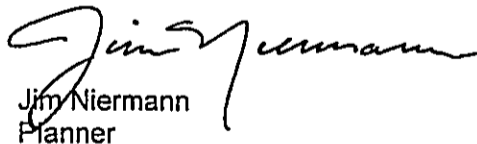
Dear Mr. Jamile:

Thank you for your letter dated March 21, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. In response to your comments, we offer the following information:

- We acknowledge your determination that the existing water system is presently adequate to accommodate the proposed park improvements.
- The availability of water and applicable facility charges will be determined during the building permit application process.
- We acknowledge that the proposed project is subject to BWS Cross-Connection Control and Backflow Prevention requirements as a condition of building permit approval.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours, .


Jim Niermann
Planner

420 Waiakamilo Road
Suite 411
Honolulu, HI. 96817

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GEN-6 (EIS)



April 16, 2003

Mr. Jim Niermann
c/o Alan Y. Fujimori, ASLA
420 Waiakamilo Road - Suite 411
Honolulu, HI 96817

Dear Mr. Niermann:

**Re: Kaupuni Neighborhood Park Master Plan
Waianae, Oahu**

Thank you for the opportunity to comment on the February 2003 Draft EA of the Kaupuni Neighborhood Park Master Plan. We have reviewed the subject document and note that the DEA does not mention any electrical requirements. We would appreciate receiving a copy of the electrical plans if and when they become available, together with a request for service.

Our point of contact for this project is Enrique Che (543-7281), Director of Planning & Design, Customer Installations Department. I suggest your staff and consultant deal directly with Enrique to coordinate HECO's continuing input in this project.

Sincerely,

Kirk S. Tomita
Senior Environmental Scientist

cc: OEQC
E. Che

WINNER OF THE EDISON AWARD
FOR DISTINGUISHED INDUSTRY LEADERSHIP



Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Mr. Scott Seu
Hawaiian Electric Company
P. O. Box 2750
Honolulu, HI 96740

**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**


Dear Mr. Seu:

Thank you for your letter dated April 16, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. In response to your comments, we offer the following information:

When available, electrical plans and a request for service will be provided to your office through Enrique Che, HECO point of contact for this project.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,


Jim Niermann
Planner

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420 Waiakamilo Road
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March 17, 2003

Attention: Mr. Jim Niermann
Alan Y. Fujimori, ASLA
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817

WHS	
R.F.	VZ
ATT	
REC'D	MAR 19 2003
	MARK
	JKV



Verizon Hawaii Inc.
P.O. Box 2200
Honolulu, HI 96841

Dear Mr. Niermann:

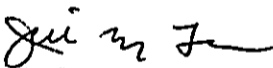
Subject: **Public Review of Draft Environmental Assessment (EA)
for Kaupuni Neighborhood Park Master Plan**

Thank you for the opportunity to review and comment on the preliminary environmental assessment for the Kaupuni Neighborhood Park Master Plan project.

Verizon Hawaii does not foresee any problems in providing telecommunication services to the proposed project. Nor does Verizon Hawaii see any conflicts with the existing telecommunication facilities in the area. However, Verizon Hawaii requires further review during the design stages of the project.

If you have any questions or require assistance in the future on this project, please call Les Loo at 840-5861.

Sincerely,


Jill Z. Lee
Section Manager
Outside Plant Engineering

Alan Y. Fujimori, ASLA

Planning
Urban Design
Landscape Architecture

May 28, 2003

Ms. Jill Lee
Network Engineering
Verizon Hawaii
P. O. Box 2200
Honolulu, HI 96841


**Final Environmental Assessment (EA) for
Kaupuni Neighborhood Park Master Plan**

Dear Ms. Lee:

Thank you for your letter dated March 17, 2003 responding to requests for comments on the Draft EA for the proposed Kaupuni Neighborhood Park Master Plan. We acknowledge that Verizon Hawaii does not have any comments at this time. During the project design phase, plans will be provided to your office for further review.

Should you have questions or require additional information, please do not hesitate to contact me at 842-1133.

Very truly yours,


Jim Niermann
Planner

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