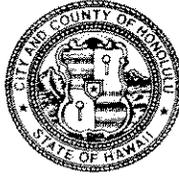


DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 768-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



JUL 23

CRAIG I. NISHIMURA, P.E.
DIRECTOR

COLLINS D. LAM, P.E.
DEPUTY DIRECTOR

320810

July 1, 2009

Ms. Katherine Puana Kealoha, Director
Office of Environmental Quality Control
State Office Tower
235 South Beretania Street, Room 702
Honolulu, Hawaii 96813

Dear Ms. Kealoha:

Subject: Finding of No Significant Impact (FONSI)
Sunset Beach Neighborhood Park Site Development Plan
Pupukea, District of Koolauloa, Oahu, Hawaii

The Department of Design and Construction, City and County of Honolulu, has reviewed all comments received during the 30-day public comment period that began on September 8, 2008, and ended on October 8, 2008. The agency has determined that this project will not have any significant environmental effects and has issued a Finding of No Significant Impact (FONSI). Please publish this notice in the next edition of the Environmental Notice.

A completed OEQC Publication Form, two copies of the Final Environmental Assessment, and the Final EA on CD are enclosed. Please call Mr. Clifford Lau, Chief of the Facilities Division, at 768-8478 if you have any questions.

Very truly yours,

A handwritten signature in cursive script that reads "Craig I. Nishimura".

Craig I. Nishimura, P.E.
Director

CIN:kd

Enclosures

FINAL ENVIRONMENTAL ASSESSMENT

***SUNSET BEACH NEIGHBORHOOD PARK
SITE DEVELOPMENT PLAN***

Pupukea, District of Ko'olauloa, O'ahu, Hawai'i

Department of Design and Construction

City and County of Honolulu

650 South King Street

Honolulu, Hawaii 96813

June 2009

FINAL ENVIRONMENTAL ASSESSMENT

***SUNSET BEACH NEIGHBORHOOD PARK
SITE DEVELOPMENT PLAN***

Pupukea, District of Ko'olauloa, O'ahu, Hawai'i

Prepared in Partial Fulfillment of the Requirements of Chapter 343,
Hawaii Revised Statutes and Hawaii Administrative Rules, Title 11, Chapter 200
Department of Health, State of Hawaii and Chapter 25, Special Management Area
Revised Ordinances, City and County of Honolulu

Prepared for

Department of Design and Construction

City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

Prepared by

Gerald Park Urban Planner

1221 Kapiolani Boulevard, Suite 211
Honolulu, Hawaii 96814

and

**ParEn Inc. dba
Park Engineering**

711 Kapiolani Boulevard, Suite 1500
Honolulu, Hawaii 96813

June 2009

PROJECT PROFILE

Project: Sunset Beach Neighborhood Park
Site Development Plan

Proposing Agency: Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Approving Agency: Department of Design and Construction
for Mayor, City and County of Honolulu

Location: Pupukea, District of Ko'olauloa, O'ahu

Tax Map Key: 5-9-005: 070
Land Area: 6.0 acres
Landowner: City and County of Honolulu

State Land Use Designation: Urban
General Plan: Rural
Sustainable Communities Plan: North Shore
SCP Land Use Map: Rural
Public Infrastructure Map: North Shore
No Symbol

Zoning: P-2 General Preservation
Special Management Area: Inside Special Management Area
Existing Use: Public Neighborhood Park

Need for Environmental Assessment: Propose the use of County land and funds
 (§11-200-5(c)), Hawaii Administrative Rules

~~Anticipated~~ Determination: Finding of No Significant Impact

Contact Person: Clifford Y.L. Lau, Chief
Facilities Division
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Phone: 768-8478

Note: Substantive revisions to the text of the Draft Environmental Assessment are in bold *italic* type. Deleted text is shown with a ~~strikethrough~~.

TABLE OF CONTENTS

PROJECT PROFILE	i
TABLE OF CONTENTS	ii
FIGURES	iv
TABLES	iv
PHOTOGRAPHS	iv
SECTION 1 DESCRIPTION OF THE PROPOSED PROJECT	1
A. Purpose of the Project	1
B. Technical Characteristics	1
1. Recreation Facility Improvements	1
2. Access and Parking	2
3. Drainage	2
4. Landscaping	3
5. Ancillary Improvements	3
C. Economic Characteristics	3
D. Social Characteristics	4
SECTION 2 DESCRIPTION OF THE AFFECTED ENVIRONMENT	9
A. Existing Use	9
B. Climate	9
C. Topography	9
D. Soils and Land Type	12
E. Flood Hazards and Drainage	12
F. Water Resource	12
1. Streams	12
2. Wetlands	12
3. Groundwater	12
G. Flora	14
H. Fauna	14
I. Archaeological Features	14
J. Cultural Resources	15
K. Land Use Controls	15
L. Public Facilities	17
M. Parks	17
N. Protective Services	18
SECTION 3 SUMMARY OF POTENTIAL ENVIRONMENTAL IMPACTS AND MEASURES TO MITIGATE ADVERSE EFFECTS	19
A. Assessment Process	19
B. Short-term Impacts	19
1. Air Quality	19
2. Noise	19
3. Erosion	20

TABLE OF CONTENTS

4. Archaeological Features	21
5. Flora	21
6. Traffic	21
7. Park Facilities	21
C. Long-term Impacts	21
1. Recreation	21
2. Use Impacts	22
3. Drainage	22
4. Public Facilities	22
a. Circulation and Parking	22
b. Water	22
c. Wastewater	22
5. Land use Controls	22
D. Impact to Special Management Area Resources	21
 1. Recreation	22
 2. Scenic and Open Space	22
 3. Coastal Ecosystems	22
 4. Coastal Hazards	22
 5. Historic Resources	22
 6. Economic Development	23
 7. Managing Development	23
 8. Public Participation	23
 9. Beach Protection	23
 10. Marine Resources	23
SECTION 4 SPECIAL MANAGEMENT AREA OBJECTIVES AND POLICIES	24
A. Coastal Zone Management Objectives	24
B. Coastal Zone Management Policies	24
SECTION 5 ALTERNATIVES TO THE PROPOSED ACTION	29
A. No Action	30
B. Site Development Plan Alternatives	30
SECTION 6 AGENCIES AND ORGANIZATIONS TO BE CONSULTED	33
SECTION 7 PERMITS AND APPROVALS	34
SECTION 8 DETERMINATION OF SIGNIFICANCE	35
REFERENCES	37
APPENDIX A COMMENT LETTERS AND RESPONSES	
APPENDIX B NOTES FROM MEETING WITH DEPARTMENT OF EDUCATION, OCTOBER 17, 2008.	

FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page</u>
1	Location Map	5
2	Tax Map	6
3	Sunset Beach Neighborhood Park Site Development Plan	7
4	Existing Conditions and Facilities	10
5	Flood Insurance Rate Map	13
6	Zoning and Special Management Area	16
7	Site Development Plan Alternative 1	30
8	Site Development Plan Alternative 2	31
9	Site Development Plan Alternative 3	32

TABLES

<u>Table</u>	<u>Title</u>	<u>Page</u>
1	List of Improvements and Cost Estimate	8
2	Aquifer Classification System	14

PHOTOGRAPHS

<u>Photograph</u>	<u>Title</u>	<u>Page</u>
1	View of Court Facilities	11
2	View of Softball Field No. 1	11
3	View of Softball Field No. 2	11
4	Shaded Area <i>Makai</i> of the Tennis Courts	11
5	<i>Mauka</i> Facing View of the Parking Lot	11
6	Kamehameha Highway Looking Southwest	11

The Department of Design and Construction, City and County of Honolulu, proposes to construct park improvements at Sunset Beach Neighborhood Park located at Pupukea, District of Ko'olauloa, City and County of Honolulu, State of Hawai'i. Sunset Beach Neighborhood Park is bounded by Sunset Beach Elementary School to the east, Kamehameha Highway to the west, and a mix of single-family residences and vacant land to the north and south. The park is identified as Tax Map Key 5-9-005: 070 with an area of 6.0 acres. A Location Map and Tax Map are shown in Figures 1 and 2.

A. Purpose of the Project

The purposes of the proposed improvements are to: 1) replace deteriorating park recreation facilities; 2) upgrade the existing facilities to meet current Department of Parks and Recreation ("DPR") and Department of Design and Construction ("DDC") standards for recreation facilities; 3) provide accessible recreation facilities in compliance with Americans with Disabilities Act Accessibility Guidelines ("ADAAG") requirements; and 4) improve drainage conditions near the comfort station, pavilion, *play apparatus*, and play courts.

The Site Development Plan (**Figure 3**) proposes to keep the existing parking area, comfort station, pavilion, *play apparatus*, play courts, and ball fields at their current general locations. ~~Two proposed changes are to switch the location of the tennis courts with the volleyball court and the location of the children's play apparatus. The existing children's play apparatus is deteriorated and will be removed by the DPR. Space will be set aside adjacent to the relocated volleyball court for a new children's play apparatus or a second volleyball court. These changes will help to improve the drainage conditions near the comfort station, pavilion, and play courts.~~

B. Technical Characteristics

1. Recreation Facility Improvements

Existing backstops at both softball fields will be replaced with new Type "C" softball backstops. The Type "C" backstop is 23 feet in height. Eight-foot high chain link fencing will extend 60-feet from the backstop down the foul ball area for first and third bases. Accessible dugouts and an accessible drinking fountain will be constructed at each field. Accessible concrete walkways will provide access from the parking lot to both fields. Improvements to the infields include possible grading, grassing, and adjustments to the irrigation system.

A soccer field (330' x 180') will be aligned northeast to southwest and overlap the two softball fields.

The existing play court surfaces have deteriorated beyond the upper surface and into the pavement and base. Other components of the play courts such as the fencing, gates and court equipment also have deteriorated to the point of replacement. The Site Development Plan, therefore, proposes to reconstruct all existing court facilities---two basketball courts, two tennis courts, and one volleyball court. All the existing play court facilities will be

demolished and new play courts installed. Existing court perimeter fencing will be replaced with standard 10' high fencing.

The existing flood lighting system for the courts will be replaced by a new lighting system using shoebox fixtures. Shoebox fixtures minimize light spillage. The courts will be illuminated according to City standards and use metal halide lamps. The light fixtures for the basketball and volleyball courts will be 39-feet high and 25-feet high for the tennis courts.

A 10-feet high practice tennis wall will be constructed on one side of the tennis courts. A 4-foot high chain link fence will be installed on top of the wall to minimize errant tennis balls from leaving the court.

~~The location of the existing tennis and volleyball courts will be switched with each other as part of the reconstruction.~~

The rubber-like resilient surface of the existing children's play apparatus surface is in deteriorating condition and the play apparatus will be removed **and replaced with a new play apparatus in approximately the same location**. ~~A space adjacent to the new volleyball court will be set aside for either a second volleyball court or a new children's play apparatus. For this environmental assessment, it is presumed that the play apparatus will be constructed. If a second volleyball court is needed, the play apparatus will be demolished. The construction cost for a new volleyball court as shown on Table 1 includes demolition of the play apparatus.~~

2. Access and Parking

No change to the layout of the driveway, existing parking lot, and the number of parking stalls (19 regular and 2 accessible stalls) is proposed. A section of the parking lot comprising the existing accessible parking stalls, however, may need to be demolished. Demolition is required to adjust the finish grade, curbing, and slope of the accessible parking stalls to comply with ADAAG requirements.

New 25-foot high light poles will be installed along the sidewalk fronting the parking lot to illuminate the driveway entry and parking lot. The light fixtures will also be shoebox type to minimize light spillage.

3. Drainage

Drainage improvements to address localized depressions in the vicinity of the comfort station, play apparatus, pavilion, and courts include drywells and minor grading. ~~The removal and relocation of the children's play apparatus, switching of the tennis courts and volleyball court, and construction of a low cement rubble masonry (crm) wall at the pavilion~~ **and new play apparatus** provides the ability to grade for positive drainage in the area.

No drainage changes are proposed in the area of the two softball fields and multi-purpose field. In general, runoff from the school and ball field area will continue to sheet flow towards Kamehameha Highway.

4. Landscaping

Trees will be planted in the grass area to the west of the new volleyball court and backstop at Softball Field No. 1. ~~Five~~ **Three** silver buttonwood trees adjacent to the basketball courts will be removed as needed for construction of the improvements and replaced as determined by DPR. **The DPR has identified two large trees---a true kou and autograph tree---located in the vicinity of the picnic tables and ball fields as replacements for the three silver button wood trees.** The oleander hedge planted on two sides of the tennis courts will be removed **and replaced with a row of silver button wood trees.** The use of native plants in the landscape will be considered.

5. Ancillary Improvements

Walkways will be illuminated according to City standards.

A cement rubble masonry (crm) or concrete wall will be constructed on two sides of and under the roof of the existing pavilion **and at least one side of the play apparatus.** The walls will allow minor grading between the **play apparatus,** pavilion and courts to eliminate existing depressions and facilitate positive drainage. The height ~~the wall~~ will be 18" **high** and could be used as a seat wall by pavilion **and play apparatus** users.

Accessible drinking fountains will be installed at the court facilities and at each of the softball fields behind the backstop. One accessible picnic table will be placed under the autograph trees along the first base side of Softball Field No 1.

~~An a~~ **Accessible route is planned walkways will be provided** from the parking lot and public transit stop at Kamehameha Highway to the comfort station, pavilion, **play apparatus,** court facilities, and softball fields. ~~An accessible walkway between the tennis and basketball courts will extend to the property line to provide access from Sunset Beach Elementary School.~~ Accessible walkways will range from 5 to 10 feet in width **and will be aligned with the commonly used path of park users.**

C. Economic Characteristics

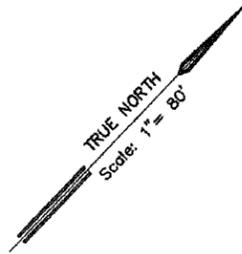
The Site Development Plan will be implemented over several improvement projects. Funding for the reconstruction of play courts is the first priority. Design funds have been appropriated and appropriation of construction funds is anticipated in **2011.** ~~2009 or 2010~~ Implementation of the latter projects will be contingent on the availability of public funds and priority assigned to the respective improvement. A list of proposed improvements and a cost estimate for the improvements is presented in Table 1.

The reconstruction of play courts will take approximately one year to complete. All court facilities will be closed and use of the facilities suspended. Construction times for other improvements phases have not been projected.

The City and County of Honolulu owns Sunset Beach Neighborhood Park and the Department of Parks and Recreation maintains and regulates uses in the Park.

D. Social Characteristics

Accessible walkways and parking stalls will be designed in compliance with rules, regulations, and accessibility standards for outdoor recreation areas pursuant to the Americans with Disabilities Act Accessibility Guidelines.



PROJECT DATA AND DEVELOPMENT REQUIREMENTS:

SUNSET BEACH NEIGHBORHOOD PARK
 59-350 KAMEHAMEHA HIGHWAY
 HALEIWA, HAWAII 96712
 TMK: 5-9-005: 070
 AREA: 6.00 ACRES
 FLOOD ZONE: X
 HEIGHT LIMIT: 25-FEET
 SPECIAL MANAGEMENT AREA: YES
 SPECIAL DISTRICT: NONE
 STATE LAND USE: URBAN
 ZONING (LUO): P-2 GENERAL PRESERVATION DISTRICT
 EXISTING USE: PUBLIC OUTDOOR RECREATIONAL FACILITY

MAXIMUM ALLOWABLE BUILDING AREA AT 5%
 = 13,068 SQ. FT.

BUILDING AREA TABLE:

FACILITY	AREA, S.F.	PERCENT, %
COMFORT STATION	790	
PAVILION	680	
DUGOUTS (4 TOTAL)	776	
TOTAL	2,246	0.86

PARKING STALL REQUIREMENTS:

FACILITY	REQUIRED NO. OF STALLS	TOTAL NO. OF STALLS
COMFORT STATION	NONE	0
PAVILION (680 S.F.)	1 STALL PER 200 S.F.	4
PLAYCOURTS (2) BASKETBALL (2) VOLLEYBALL (2) TENNIS	3 STALLS PER COURT	18
BALLFIELDS (2) SOFTBALL	12 STALLS PER FIELD	24
PLAY APPARATUS	NONE	0
TOTAL		46*

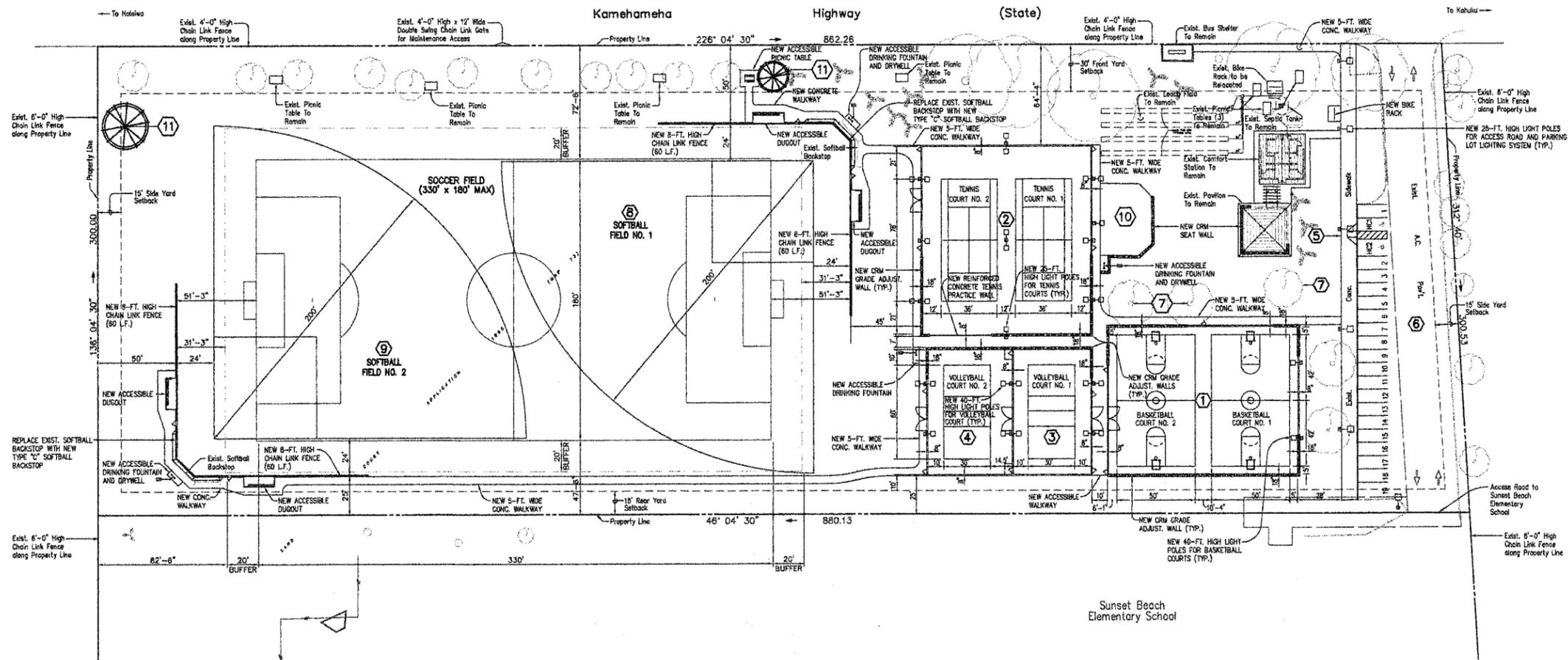
EXISTING PARKING STALLS PROVIDED:

PARKING STALL	TOTAL
STANDARD:	
OFF-STREET (WITHIN PARK)	19
ON-STREET (ALONG KAMEHAMEHA HIGHWAY)	27
TOTAL	46
STANDARD ACCESSIBLE (WITHIN PARK)	1
VAN ACCESSIBLE (WITHIN PARK)	1
TOTAL	48

*THE TOTAL NUMBER OF PARKING STALLS REQUIRED INCLUDES ACCESSIBLE PARKING STALLS.

ACCESSIBLE PARKING STALL REQUIREMENTS:

ACCESSIBLE PARKING STALL	TOTAL
STANDARD ACCESSIBLE	1
VAN ACCESSIBLE	1
TOTAL	2

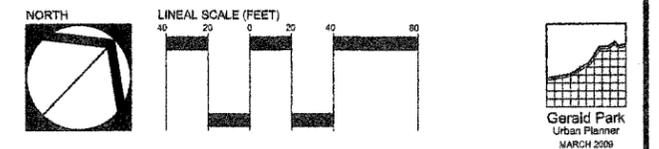


PROPOSED MASTER PLAN IMPROVEMENTS:

- ① RECONSTRUCT TWO (2) BASKETBALL COURTS INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, BACKSTOPS, LIGHTING SYSTEM AND ACCESSORIES.
- ② RECONSTRUCT TWO (2) TENNIS COURTS INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- ③ RECONSTRUCT ONE (1) VOLLEYBALL COURT INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- ④ CONSTRUCT NEW VOLLEYBALL COURT NO. 2
- ⑤ RECONSTRUCT 10-FOOT WIDE CONCRETE WALKWAY AND CURB RAMP AS REQUIRED TO PROVIDE AN ACCESSIBLE ROUTE FROM THE ACCESSIBLE PARKING STALLS TO THE COMFORT STATION, PAVILION, PLAYCOURTS AND BALLFIELDS.
- ⑥ RECONSTRUCT ASPHALT CONCRETE PARKING LOT AND DRIVEWAY AS REQUIRED TO PROVIDE ACCESSIBLE PARKING STALLS. INSTALL NEW PARKING LOT LIGHTING SYSTEM.
- ⑦ REMOVE EXISTING SILVER BUTTONWOOD TREES ADJACENT TO BASKETBALL COURTS AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
- ⑧ SOFTBALL FIELD NO. 1 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, PICNIC TABLE, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- ⑨ SOFTBALL FIELD NO. 2 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- ⑩ RECONSTRUCT PLAY APPARATUS.
- ⑪ NEW TRUE KOU OR AUTOGRAPH TREES.

Figure 3
 Site Development Plan
 Sunset Beach Neighborhood Park

City & County of Honolulu Koolauloa, Island of Oahu



**SUNSET BEACH NEIGHBORHOOD PARK
TENTATIVE LIST OF PROPOSED IMPROVEMENTS**

Project	Description of Project	Paid By	Date of Construction	Estimated Construction Cost
Reconstruction of Playcourts	Reconstruct Two (2) Basketball Courts Reconstruct Two (2) Tennis Courts Reconstruct One (1) Volleyball Court Chain Link Fence and Gates Accessible Walkways Accessible Drinking Fountains Retaining Walls Grading Drainage Improvements Adjustments to Irrigation System Electrical Systems, Playcourt Lighting Landscape Improvements Grassing	City and County of Honolulu	2011 (est.)	\$ 1,600,000.00
Construction of Site Improvements	Replace Play Equipment and Apparatus Accessible Walkways Accessible Parking Stall Improvements Bicycle Rack Grading Adjustments to Irrigation System Landscaping	City and County of Honolulu	TBD	\$ 250,000.00
Construction of Ballfield Improvements	Replace Softball Backstops (2) Accessible Dugouts (4) Chain Link Fence and Gates Accessible Walkways Accessible Drinking Fountains Accessible Picnic Table(s) Adjustments to Irrigation System Grading Grassing	City and County of Honolulu	TBD	\$ 650,000.00
Construction of Parking Lot Lighting System	New Parking Lot Lighting System	City and County of Honolulu	TBD	\$ 200,000.00
Construction of New Volleyball Court	One (1) Volleyball Court Lighting System for Volleyball Court Accessible Walkways Grading Adjustments to Irrigation System	City and County of Honolulu	TBD	\$ 250,000.00

A. Existing Use

A master plan for the Park was prepared in 1973 and the first facilities constructed soon thereafter. Since that time, recreation improvements have been constructed in various phases. Existing park facilities include a comfort station, covered pavilion, 2 lighted basketball courts, 2 lighted tennis courts, a lighted volleyball court, 2 softball fields/1 soccer field, picnic tables, children's play apparatus, and 21 parking stalls (Department of Parks and Recreation, 1997). Picnic tables are placed in tree-shaded areas of the Park along Kamehameha Highway. A plan view of the Park and existing facilities is shown in Figure 4.

Sunset Beach Neighborhood Park serves as a public recreation facility for families living in this part of the North Shore. Although there is no community center or recreation building on the premises, the Department of Parks and Recreation offers a variety of recreation programs including organized sports (flag football, volleyball, and basketball), arts and crafts classes, and summer fun. The 6-week long summer fun program attracts between 75-100 children annually. Excluding sport activities, recreation programs are conducted under the covered pavilion.

Recreation facilities also are used by community organizations for activities such as softball and soccer.

The Department of Parks and Recreation maintains the comfort station and collects and disposes of refuse on a daily basis. Solid waste is hauled to the Kawailoa Refuse Transfer Station for disposal. The lawn area typically is mowed once a week.

B. Climate

Rainfall along this section of the North Shore averages 44 inches annually with half of all rainfall occurring during the winter months. Temperatures are indicative of Hawaii's semi-tropical climate with temperatures averaging 80° F (and occasionally reaching into the low 90's during the summer months) with lows in the mid 60-70°F for most of the year.

C. Topography

The rectangular shaped lot is relatively flat with a slight fall from mauka (east) to makai (west) along its entire length. Ground elevation stands at about 26 feet above mean sea level along the eastern boundary (at the toe of the slope separating the Park from Sunset Beach Elementary School) to about 20 feet along the chain link fence along the western boundary a distance of about 300 feet.

In profile, the site was cut from a slope and graded to create a flat surface for the court and field sports. Beyond the chain link fence on the western edge of the Park, the terrain slopes down about 4 feet to Kamehameha Highway. The top of the slope on the eastern edge of the Park is at about elevation 30 feet.

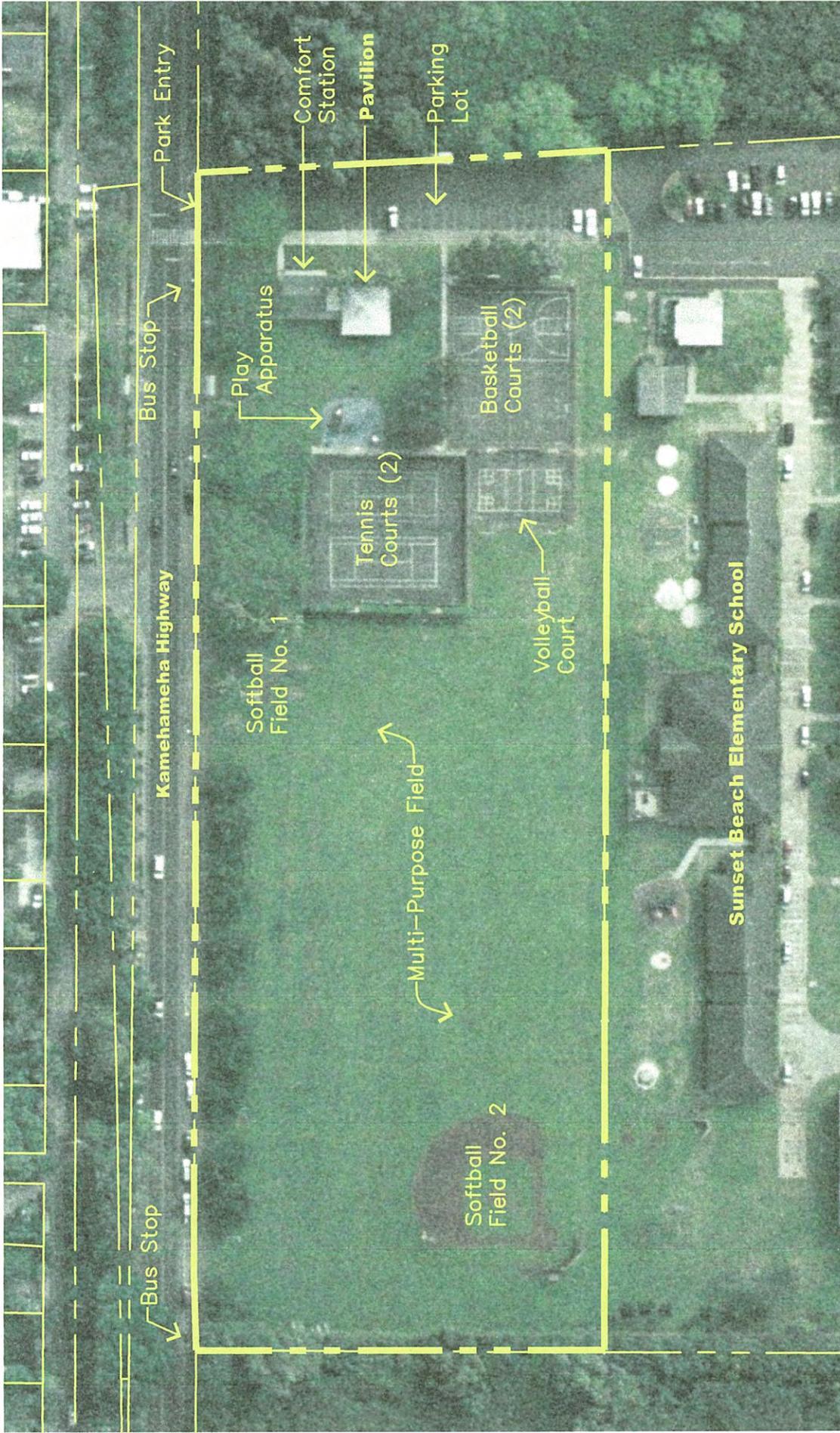
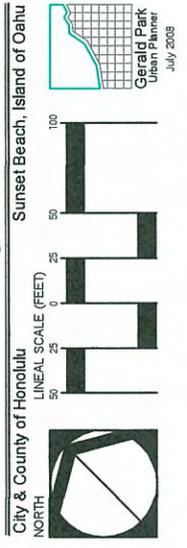
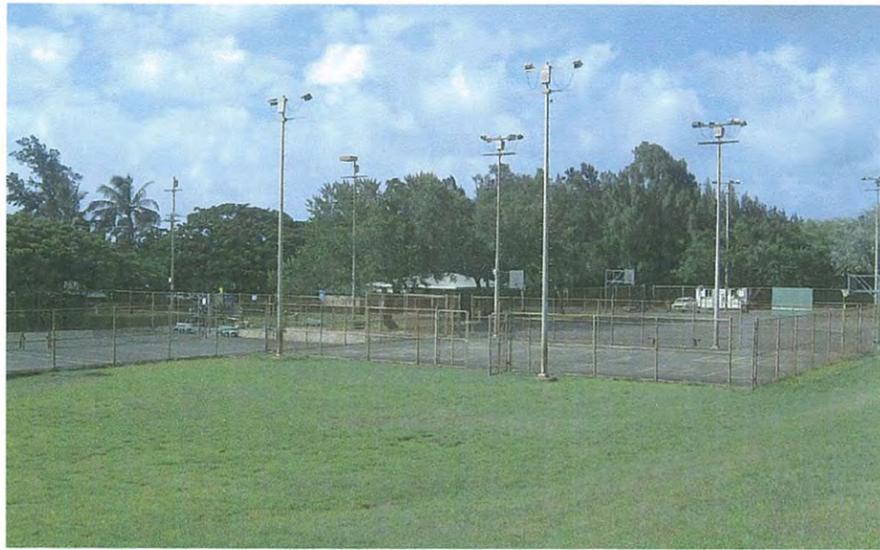


Figure 4
Existing Facilities
Sunset Beach Neighborhood Park





Photograph 1.



Photograph 4.

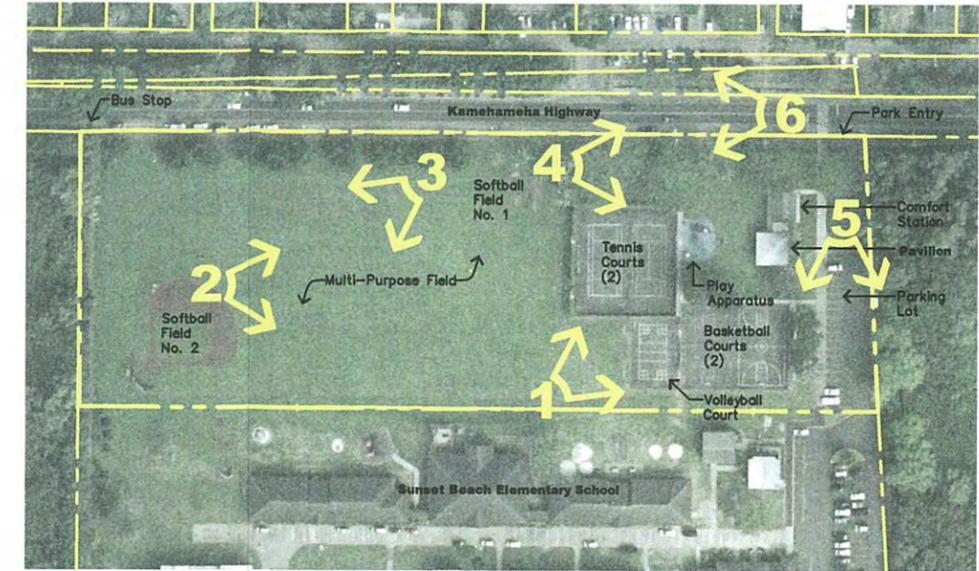


Photo Key Map



Photograph 2.



Photograph 5.

Photograph 1. View of Court Facilities.

Photograph 2. View of Softball Field No. 1.

Photograph 3. View of Softball Field No. 2.

Photograph 4. Shaded Area *Makai* of the Tennis Courts.

Photograph 5. *Mauka* Facing View of the Parking Lot.

Photograph 6. Kamehameha Highway Looking Southwest.



Photograph 3.



Photograph 6.

**Site Photographs
Sunset Beach Neighborhood Park**

City & County of Honolulu
Sunset Beach, Island of Oahu

NORTH

LINEAL SCALE (FEET)
100 50 0 50 100 200

Gerald Park
Urban Planner
July 2008

D. Soils and Land Type

The Soil Conservation Service (1972) soil map for the area identifies a single soil type--- Waialua Silty Clay, 0-3 percent slope (WkA)---over the property. This soil is found on smooth coastal plains. The soil is moderately permeable, runoff is slow, and the erosion hazard slight. Waialua silty clay is used for sugarcane, truck crops, and pasture.

E. Flood Hazard and Drainage

The Park is designated Zone X on the Flood Insurance Rate Map for the area (See Figure 5). Zone X is defined as "Areas of 0.2% Annual Chance Flood with Average Depths of Less than 1 foot or with Drainage Areas less than 1 Square Mile (Federal Emergency Management Agency, 2004)."

Sunset Beach Neighborhood Park is located outside of the delineated coastal flood zone (Zone VE).

F. Water Resources

1. Streams

The lower reach of Pakulena Stream, an intermittent stream, flows east to west above Sunset Beach Elementary School (Refer to Figure 1). Above the school property and approximately 200 feet from the southern corner of the school, the stream meanders in a westerly direction within an undefined watercourse towards Kamehameha Highway. Water passes under Kamehameha Highway through two box culverts. The discharge point is near Banzai Rock Support Park about 0.8 miles to the west of the Park.

Pakulena Stream is identified as a significant North Shore gulch and stream in the North Shore *Sustainable Communities Plan* (1999).

2. Wetlands

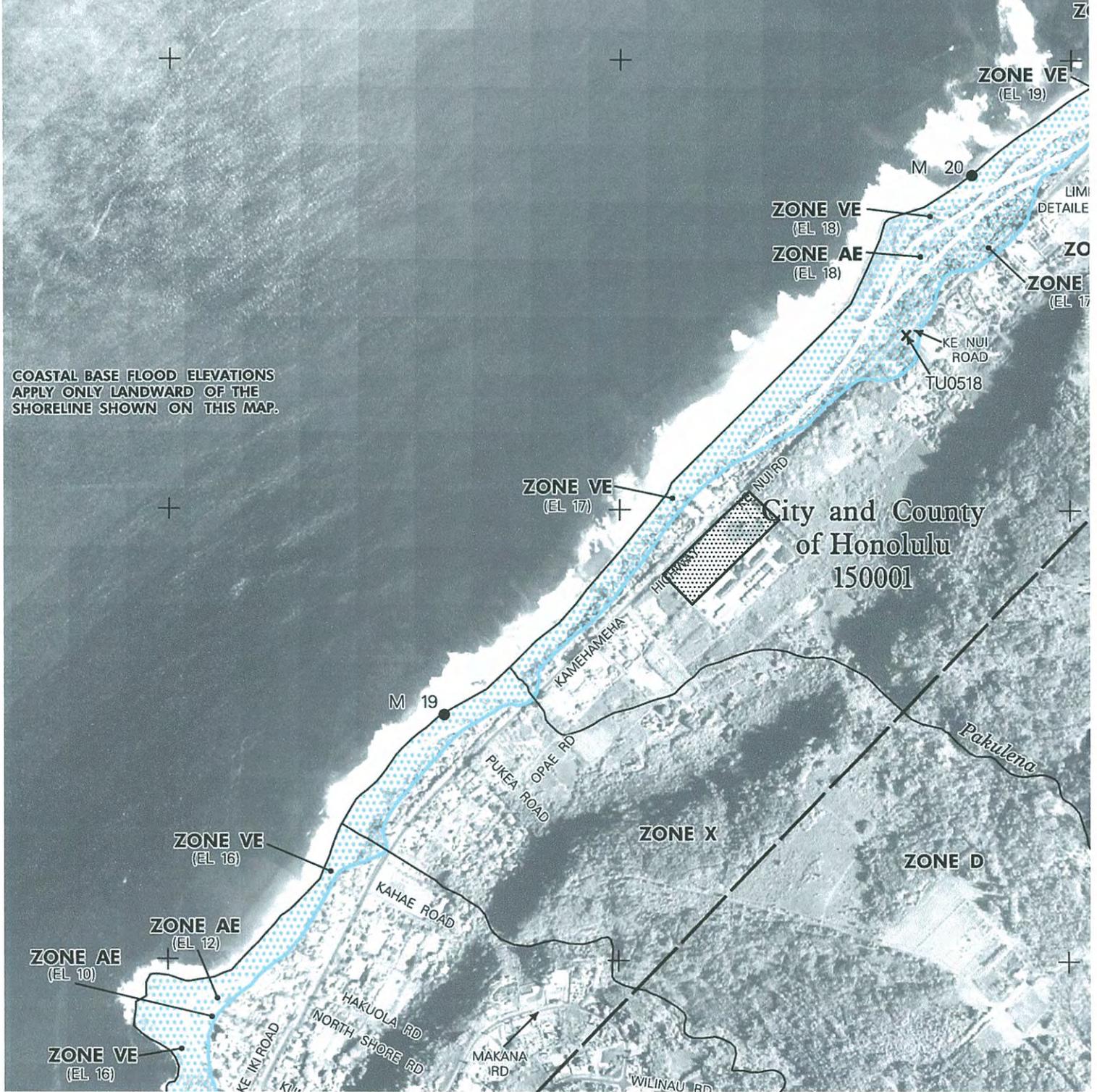
There are no wetlands on the property. The nearest identified wetlands are the Waimea Wetland and Estuary at Waimea Bay about 2.5 miles to the southwest and Kalou Marsh at Waialeale about 2.3 miles to the northeast.

3. Groundwater

Based on aquifer classification records (Mink and Lau, 1990), the coastal area generally between Waialeale and Waialeale *makai* of the base of the Koolau Mountain is situated over the Kawailoa aquifer system of the North aquifer sector (See Table 2). Two basal aquifers--- one atop the other---underlie Sunset Beach Neighborhood Park and the coastal area. A basal, unconfined sedimentary aquifer rests atop a confined basal aquifer formed in flank lava. Both aquifers are currently used but not for drinking. The upper aquifer is low in salinity (versus moderate salinity for the lower), highly vulnerable to contamination (versus low vulnerability to contamination for the lower), and considered replaceable (versus irreplaceable for the lower).

PACIFIC OCEAN

COASTAL BASE FLOOD ELEVATIONS
APPLY ONLY LANDWARD OF THE
SHORELINE SHOWN ON THIS MAP.

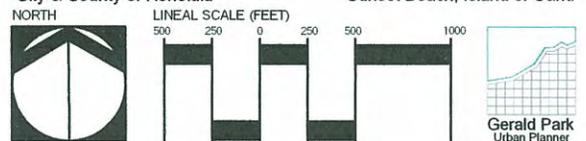


Legend

-  Special Flood Hazard Zone Subject to Inundated by the 1% Annual Chance Flood
-  Zone AE Base Flood Elevation Determined.
-  Zone VE Coastal Flood Zone with Velocity Hazard (Wave Action); Base Flood Elevations Determined.
-  Zone X Areas of 0.2% Annual Chance Flood with Average Depths of Less than 1 foot or with Drainage Areas less than 1 Square Mile.
-  Zone D Areas in Which Flood Hazards are Undetermined, but Possible.

**Figure 5
Flood Insurance Rate Map
Sunset Beach Neighborhood Park**

City & County of Honolulu Sunset Beach, Island of Oahu



Source: Federal Emergency Management Agency
Flood Insurance Rate Map
Map Number 15003C0020F
Date: Sept. 30, 2004.

Table 2. Aquifer Classification System

Aquifer Code	30403116	30403121
Island Code	3 - Oahu	3 - Oahu
Aquifer Sector	04 - North	02 - North
Aquifer system	03 - Kawaiioa	04 - Kawaiioa
Aquifer Type, hydrogeology	1 - Basal	1 - Basal
Aquifer Condition	1 - Unconfined	2 - Confined
Aquifer Type, geology	6 - Sedimentary	1 - Flank
Status Code	12211	12313
Developmental Stage	1 - Currently Used	1 - Currently Used
Utility	2 - Neither	2 - Neither
Salinity (in mg/L Cl ⁻)	2 - Low (250-1000)	3 - Moderate (1000-5000)
Uniqueness	1 - Replaceable	1 - Irreplaceable
Vulnerability to Contamination	1 - High	3 - Low

Source: Mink and Lau, 1990.

G. Flora

Sunset Beach Neighborhood Park was constructed in 1973 with additions and improvements made over time to the present. Initial grubbing and grading removed all existent vegetation on the site and new landscape plantings were introduced. Trees planted at that time (and over the intervening 35 years) and still flourishing today include monkey pod, jatropa, silver buttonwood, and autograph. Coconut, oleander, and croton add a tropical, coastal feeling to the landscape. Ironwood, kiawe, and koa haole grow on untended land to the north and south. A Norfolk pine grows behind the backstop at Softball Field No. 2.

Bermuda and St. Augustine grass cover the open field. Wedelia is planted intermittently on the slope between the Park and Sunset Beach Elementary School and in planting strips along the parking lot.

H. Fauna

Wildlife was not observed at the time of the field inspection. Mammals recorded at Sunset Elementary School include domestic cats, dogs, and rodents (Towill, 2006) all of which may browse the Park.

Common mynah, barred dove, and rice bird were seen perched in trees and flying overhead. Feral chicken were observed strutting in the parking lot.

I. Archaeological Features

Surface archaeological features, artifacts, or cultural deposits were not observed on the property. *The State Historic Preservation Division ("SHPD") commented: "As the areas of the beach park that will be impacted have not been archaeologically surveyed, there may be buried archaeological deposits beneath the tennis and basketball courts" and therefore "we determine that historic properties may be affected by the project".*

J. Cultural Features

In the absence of archaeological features or deposits, there is a low probability that cultural practices are associated with the Park.

K. Land Use Controls

The property is designated Urban on the State Land Use District map for the area, general planned Rural, designated Rural on the North Shore *Sustainable* Communities Plan Land Use Map, and zoned P-2 General Preservation.

The Rural designation applies to this section of the North Shore generally between Waimea Bay on the south and Sunset Beach on the north. The rural community is delineated by a Rural Community Boundary "to define, protect, and contain communities in which the General Plan designates "rural" and which exhibit the physical characteristics of rural lifestyles ...where appropriate, this boundary also contains open space elements, the preservation of which is essential to the character of the rural community being defined. . . They may include lands designated "park," "agriculture," preservation," or areas with development related hazards such as steep slopes or unstable soils (Department of Planning and Permitting, 1999)."

Sunset Beach Neighborhood Park is not "symbolized" on the North Shore Public Infrastructure Map (PIM) (December 2000). A park "symbol" will not have to be added to the PIM since the improvements costs are estimated to be less than \$3 million.

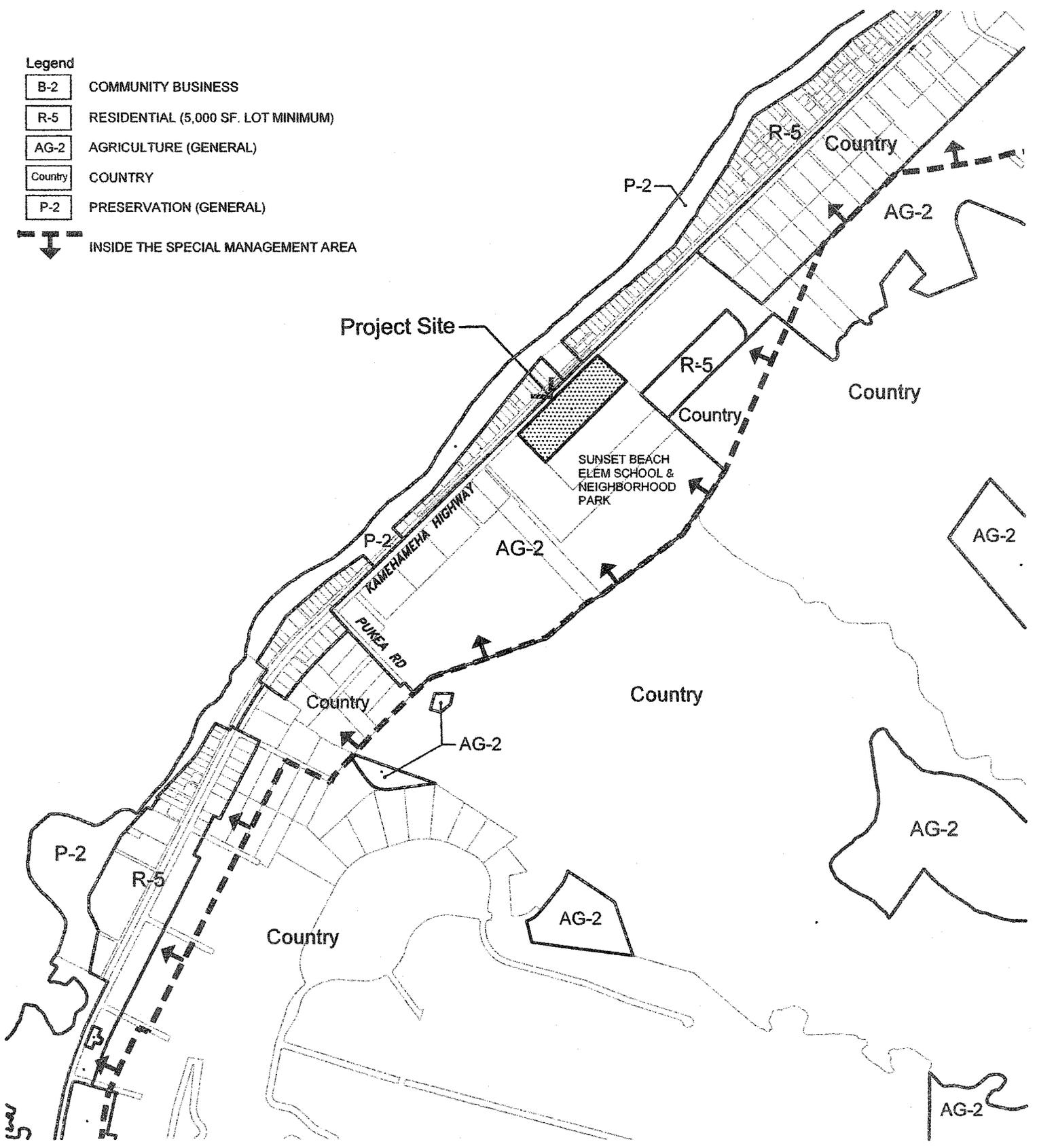
The Park is defined as a "public use". Public uses and structures are a permitted use in the P-2 zoning district (Land Use Ordinance, Table 21.3, Social and Civic Service).

The Park is within the County delineated Special Management Area and a Special Management Area Use Permit will be required for the improvements described in this environmental assessment (See Figure 6).

The Coastal View Study (1987) does not identify significant stationary or continuous coastal views, important coastal land form, and important open space and landscape areas associated with Sunset Beach Neighborhood Park. Intermittent coastal views are available from Kamehameha Highway fronting the Park and the Study considers the Koolau Mountain bluffs (behind of and overlooking the Park and School) as important coastal land form.

The North Shore Sustainable Communities Plan (1999) lists scenic views throughout the region. Scenic views in the area of Sunset Beach Neighborhood Park include:

- Intermittent makai views from Kamehameha Highway between Kawailoa and Sunset Beach
- Stationary views from beach parks and access areas from Kawailoa to Waialeale Beach Park
- Mauka views of the Koolau Mountains and Pali along Kamehameha Highway from Haleiwa to Waialeale.
- Panoramic views of the coast from Pupukea Heights.



- Legend**
- B-2 COMMUNITY BUSINESS
 - R-5 RESIDENTIAL (5,000 SF. LOT MINIMUM)
 - AG-2 AGRICULTURE (GENERAL)
 - Country COUNTRY
 - P-2 PRESERVATION (GENERAL)
 - INSIDE THE SPECIAL MANAGEMENT AREA

Figure 6
Zoning & Special Management Area
Sunset Beach Neighborhood Park

City & County of Honolulu Sunset Beach, Island of Oahu

NORTH

LINEAL SCALE (FEET)

500 250 0 250 500 1000

Gerald Park
 Urban Planner
 July 2009

Source: City & County of Honolulu, Department of Planning & Permitting Website,
<http://www.honoluluodpp.org/Planning/>
 Special Management Area, <http://www.honoluluodpp.org/Planning/>

L. Public Facilities

Kamehameha Highway, a two-lane undivided state highway, passes to the northwest of Sunset Beach Neighborhood Park. Its 24-foot wide paved surface lies within a 50-foot right-of-way fronting the Park. The *mauka* side road shoulder is partially improved with a 6-foot wide grassed shoulder, 4-foot wide concrete swale, and 5-foot wide asphalt concrete surfaced road shoulder.

A bicycle route is located on the *makai* side of Kamehameha Highway.

Bus stops in the Kahuku direction are located on Kamehameha Highway at both ends of the Park. A bus stop in the Haleiwa direction is located opposite the driveway to the Park fronting Ehukai Beach Park.

On-street parking is allowed on both sides of Kamehameha Highway except for areas immediately adjoining the bus stops. People are known to park along the highway to gain ready access to park facilities near the highway or when the existing parking lot and the parking lot at Ehukai Beach Park is full.

A 25 mile per hour speed limit is posted for the section of Kamehameha Highway fronting Sunset Beach Neighborhood Park and Sunset Beach Elementary School. The speed limit is 35 miles per hour on either side of the Park.

A 16-inch Board of Water Supply water line is located within Kamehameha Highway. Water service to the Park is provided through an 8-inch line feeding a 3" compound water meter. Within the Park, domestic and irrigation water lines of varying size branch off the 3" meter and associated valve assemblies. Water use is estimated at 1,000 gallons per day based on estimated wastewater flow from the comfort station and water usage at the drinking fountains and hose bibs.

Approximately 32,000 gallons per day is used for irrigation based on an application rate of $\frac{1}{4}$ inches over 205,000 square feet.

There is no municipal sewerage system serving the project area. Domestic wastewater from the comfort station flows into a septic tank and absorption beds located in the grass area between the comfort station and the existing tennis courts. Wastewater flow is estimated at 750 gallons per day.

Sunset Beach Elementary School has a permit to use the Park during recess and free play.

Hawaiian Electric Company, Hawaiian Telcom, and Oceanic Cable power, telephone, and CATV systems respectively are strung on aerial distribution lines on the *mauka* side of Kamehameha Highway.

M. Parks

Most of the public parks between Waimea Bay and Waialea Beach Park are beach parks. The City's four major beach parks in this area---Waimea Bay, Pupukea, Ehukai, and Sunset Beach---total about 78 acres of shoreline and back beach areas for public recreation and convenience facilities (Department of Planning and Permitting, 1999).

Ehukai Beach Park is located across Kamehameha Highway from Sunset Beach Neighborhood Park.

A City and County of Honolulu skateboard facility has been constructed at Banzai Rock Support Park about 0.8 miles west of Sunset Beach Neighborhood Park.

Sunset Beach Neighborhood Park is the only community-based park with facilities for field and court sports in this section of the North Shore.

N. Protective Services

Fire protection originates from the Sunset Beach Fire Station on Kamehameha Highway about 1.5 miles south of the Park. If required, the fire apparatus stationed at either the Kahuku or Haleiwa Fire Stations can be summoned for back up. Fire hydrants are located on the *makai* side of Kamehameha Highway across from the Park.

The North Shore is part of the Honolulu Police Department's District 2. District 2 includes all the North Shore communities between Waialua and Sunset Beach and the Central Oahu communities of Kunia, Mililani, Wahiawa, Poamoho, and Whitmore Village. Police service in the district originates from the Wahiawa Police Station; there is no police substation on the North Shore. The district is regularly patrolled by officers in police vehicles.

SUMMARY OF POTENTIAL ENVIRONMENTAL IMPACTS AND MEASURES TO MITIGATE ADVERSE EFFECTS

3

A. Assessment Process

The scope of the project was discussed with staff of the Facilities Division, Department of Design and Construction and the consulting engineer. State and County agencies were contacted for information relative to their jurisdiction, expertise, and areas of concern. Time was spent in the field noting site conditions and conditions in the vicinity of Sunset Beach Neighborhood Park. From the discussions and field investigations, existing conditions and features that could be affected by or affect the project were identified. These influencing conditions are:

- Sunset Beach Neighborhood Park has been a public park since 1973;
- The Park is not located in a flood hazard area;
- There are no recorded historic features on the property;
- There are no rare, threatened, or endangered flora on the property;
- The site is free of geological and hydrological hazards;
- There are no wetlands on the premises;
- The Park separates Sunset Beach Elementary School from Kamehameha Highway;
- Public facilities are adequate to serve the proposed improvements; and
- ***The Park is located in the County delineated Special Management Area.***

B. Short-term Impacts

1. Air Quality

Construction activities will temporarily affect air quality. Grubbing, grading, trenching, stockpiling, backfilling and other soil moving activities will raise fugitive dust at construction sites which can settle in adjoining areas. The general contractor will employ on-site dust control measures to prevent the work site and construction equipment and activities from becoming significant dust generators. Control measures shall comply with Chapter 60.1, Air Pollution Control, Title 11, Department of Health, State of Hawaii (and revisions thereto).

Most construction equipment and vehicles are diesel powered and emit exhaust emissions typically high in nitrogen dioxide and low in carbon monoxide. The Federal and State nitrogen dioxide standard ---100mg/m³ per annum---which is an annual standard, is not likely to be exceeded during construction. Carbon dioxide emissions should be less than that generated by automobile traffic on adjoining streets. Aldehyde odors from diesel equipment may be detected but should be dispersed by the prevailing winds.

2. Noise

Like fugitive dust, construction noise cannot be avoided. The Park is bounded by Kamehameha Highway, educational, and agricultural uses. Schools are considered noise sensitive areas and construction noise will be audible in these areas. Exposure to noise will vary by construction phase, the duration of each phase, and the type of equipment used during the different phases. After demolition and site work are completed, reductions in

sound levels, frequency, and duration can be expected during actual construction of the play courts, softball field backstops, and accessible walkways.

Construction sounds may be audible at residential areas across Kamehameha Highway. Construction noise, however, should be “masked” by the sounds of passing traffic. In addition, the physical separation of the individual construction sites at the Park from the residential areas (approximately 200+ feet) will aid in noise attenuation.

Permanent and temporary classroom buildings at Sunset Elementary School overlook Sunset Beach Neighborhood Park. Permanent classrooms and the library nearest the Park are about 200+ feet from the court facilities and softball fields. These buildings ~~have sealed windows and~~ **are constructed of** cement masonry unit walls facing the Park which can effectively aid in noise mitigation and minimize disturbing classroom instruction **but open doors and windows may allow outside noise into the classroom.**

~~Portable buildings are made of wood and ventilated by manually operated wood shutters. Wood is a poor material for attenuating noise and outside noises including construction sounds can disturb classroom activities in these structures. One portable building is about 75 feet from the court facilities and noise from reconstruction of these facilities will be audible in this building.~~ As a mitigating measure, the start of construction can be scheduled during the summer and demolition work done when school is not in session. The latter stages of construction to include paving the courts, installing accessory facilities such as fencing, basketball backboards, tennis nets, light fixtures, and walkways are not significant noise generating activities and can be performed when school is in session. **In addition, an approximately 200 foot separation between the court area and classroom buildings will help to attenuate noise.** All construction activities will comply with Chapter 46, Noise Control for Oahu and Chapter 42, Vehicular Noise Control for Oahu, Title 11, Administrative Rules, Department of Health.

Work will be scheduled between the hours of 8:00 AM to 3:30 PM Mondays through Fridays. Scheduling demolition work when school is not in session should be considered as a mitigating measure. The contractor will also ensure that construction equipment with motors is properly equipped with mufflers in good operating condition. The contractor will regularly communicate with the school administration of work to be performed and the working hours.

3. Erosion

Site work will expose soil thus creating opportunities for erosion (fugitive dust and suspended sediment in runoff). Grading will be performed in accordance with the erosion control ordinance of the City and County of Honolulu, and Department of Planning and Permitting approved grading plans.

The preliminary earthwork quantity for the reconstruction of the play courts is approximately 2,000 cubic yards of fill and 100 cubic yards of excavation. Best Management Practices (BMPS) for erosion and drainage control during construction will be incorporated into grading plans. Grading work for all improvements will exceed one acre thus an NPDES General Permit Authorizing Discharges of Storm Water Associated with Construction Activity will be required from the State Department of Health.

4. Archaeological Features

The unearthing of archaeological features is not anticipated. However, should excavation unearth subsurface archaeological sites, artifacts, cultural deposits, or burials work in the immediate area will cease and historic authorities notified for proper disposition of the finds.

The State Historic Preservation Division and the Department of Design and Constructed have agreed that archaeological monitoring will be performed on an on-call basis during construction of the play courts and on-site monitoring for excavations exceeding 2 feet below the ground surface (SHPD Comment).

5. Flora

Adverse effects on flora are not anticipated. Trees and hedges to be demolished will be replaced as determined by DPR. Some grass areas will be removed for construction of the enlarged tennis court area (where the volleyball court is not located), accessible walkways, the new softball backstops, and line fencing.

The proposed removal of existing trees at the basketball court was discussed with the Department of Parks and Recreation ("DPR") and they indicated that the steep slope condition, tree leaves, flowers, and seeds falling onto the playcourts are a major maintenance problem and can interfere with play. It was recommended that new replacement trees to be planted in the vicinity of the picnic tables and near the ballfields. The area between the playcourt and pavilion will be used for drainage so the area should be open to dry out. There are many existing trees in the park fronting Kamehameha Highway that provides a feeling of separation from the interior park facilities (DPP, Comment).

6. Traffic

Construction work is not proposed in the Kamehameha Highway right-of-way thus there should be no effect on vehicle circulation near the Park. During construction of the improvements, construction vehicles will be scheduled to minimize impacts on local traffic. Construction material off-loading should occur on-site and not within the highway right-of-way.

7. Park Facilities

Recreation facilities will be closed to public use during construction of the improvements. The tennis courts, basketball courts, volleyball court, and play apparatus will be closed first. Individual play and league use of the courts will be suspended for one year. This impact cannot be avoided.

There is one basketball court and one volleyball court at Pupukea Beach Park for public use. There are no court facilities at Kahuku District Park.

The remaining improvements will be phased as funding is made available. The City can thus provide adequate lead time and notice of the anticipated closures of facilities to be worked on.

C. Long-term Impacts

1. Recreation

No major change to the type and number of recreation facilities is proposed. ~~There is, however, an option for adding a second volleyball court in lieu of a new children's play apparatus.~~ The proposed improvements and upgraded facilities such as accessible walkways and new lighting should enhance the Park as a place for public recreation. The proposed improvements are part of an on-going effort by the City to upgrade public recreation facilities island-wide. In conjunction with the upgrading of existing recreation facilities, the City is also planning or has constructed new recreation facilities on the North Shore (for example, a skateboard facility at Banzai Rock Support Park) to meet the recreational needs of residents and visitors.

2. Use Impacts

Recreational sounds will be audible in adjoining areas at all times when the Park is being actively used. These impacts are unavoidable as they are to be expected from users enjoying a desired and well-used recreation facility.

The operating hours of the Park will coincide with the operating hours of similar recreation facilities operated and maintained by the Department of Parks and Recreation, City and County of Honolulu.

Officers of the Honolulu Police Department would have the primary responsibility of routinely patrolling the park and removing violators of park rules and city ordinances.

3. Drainage

The proposed improvements are not expected to increase significantly or have adverse impacts on existing drainage conditions within the Park. On-site drainage patterns will be maintained to the extent practical. Similar to the existing courts, runoff from the new court areas will sheet flow towards the ball field and Kamehameha Highway. Runoff from the field areas will not change and continue to sheet flow towards Kamehameha Highway.

Estimates of storm water discharge for the area affected by the play courts and ballfield improvements have not yet been calculated. Estimates will be provided with the application for a NPDES Permit.

4. Public Facilities

a. Circulation and Parking

The proposed improvements will not increase local traffic in the vicinity of the Park.

No change in the number of parking stalls is proposed so there should be no impact on parking facilities. The installation of new lighting in the parking lot should provide improved illumination for users.

b. Water

Water is available and adequate to serve the domestic and irrigation requirements for the Park.

c. Wastewater

The existing wastewater disposal system is adequate to accommodate park users.

5. Land Use Controls

The proposed improvements should not affect existing land use controls for the Park. Public uses are a permitted use in the P-2 zoning district and the improvements are in compliance with the development standards for the district.

The Department of Design and Construction will request a waiver to the height limit of the zoning district (25 feet) to allow the 39-foot high light fixtures for the basketball and volleyball courts.

A waiver also will be requested to the off-street parking requirement. Currently 21 off-street parking stalls are provided whereas 46 parking stalls are required.

SPECIAL MANAGEMENT AREA OBJECTIVES AND POLICIES 4

The relationship of the proposed project to Special Management Area objectives and policies is discussed in this section (Department of Planning and Permitting Comment).

A. Coastal Zone Management Objectives

1. Recreational Resources

(A) Provide coastal recreational opportunities accessible to the public.

2. Historic Resources

(A) Protect, preserve, and, where desirable, restore those natural and manmade historic and prehistoric resources in the coastal zone management area that are significant in Hawaiian and American history and culture.

3. Scenic and Open Space Resources

(A) Protect, preserve, and, where desirable restore or improve the quality of coastal scenic and open space resources.

4. Coastal Ecosystems

(A) Protect valuable coastal ecosystems, including reefs, from disruption and minimize adverse impacts on all coastal resources.

5. Economic Uses

(A) Provide public or private facilities and improvements important to the State's economy in suitable locations.

6. Coastal Hazards

(A) Reduce hazard to life and property from tsunamis, storm waves, stream flooding, erosion, subsidence, and pollution.

7. Managing Development

(A) Improve the development review process, communication, and public participation in the management of coastal resources and hazards.

8. Public Participation

(A) Stimulate public awareness, education, and participation in coastal management.

9. Beach Protection

(A) Protect beaches for public use and recreation.

10. Marine Resources

(A) Implement the State's ocean resources management plan.

B. Coastal Zone Management Policies

(1) Recreational Resources

- (A) Improve coordination and funding of coastal recreational planning and management; and**
- (B) Provide adequate, accessible, and diverse recreational opportunities in the coastal zone management area by:**
 - (i) Protecting coastal resources uniquely suited for recreational activities that cannot be provided in other areas;**
 - (ii) Requiring replacement of coastal resources having significant recreational value, including but not limited to surfing sites, fishponds, and sand beaches, when such resources will be unavoidable damaged by development; or requiring reasonable monetary compensation to the State for recreation when replacement is not feasible or desirable;**
 - (iii) Providing and managing adequate public access, consistent with conservation of natural resources, to and along shorelines with recreational value;**
 - (iv) Providing an adequate supply of shoreline parks and other recreational facilities suitable for public recreation;**
 - (v) Ensuring public recreational use of county, state, and federally owned or controlled shoreline lands and waters having recreational value consistent with public safety standards and conservation of natural resources;**
 - (vi) Adopting water quality standards and regulating point and nonpoint sources of pollution to protect, and where feasible, restore the recreational value of coastal waters;**
 - (vii) Developing new shoreline recreational opportunities, where appropriate, such as artificial lagoons, artificial beaches, and artificial reefs for surfing and fishing; and**
 - (viii) Encouraging reasonable dedication of shoreline areas with recreational value for public use as part of discretionary approvals or permits by the land use commission, board of land and natural resources, county planning commissions; and crediting such dedication against the requirements of section 46-6.**

Statement: Sunset Beach Neighborhood Park is not located on a beach or shoreline. Thus, there are no opportunities for shoreline recreation associated with the park. Owing to its inland location, there is no lateral access or public access to or along the shoreline.

2) Historic Resources

- (A) Identify and analyze significant archaeological resources;**
- (B) Maximize information retention through preservation of remains and artifacts or salvage operations; and**
- (C) Support state goals for protection, restoration, interpretation, and display of historic resources.**

Statement: There are no historic resources at the Park.

3) Scenic and Open Space Resources

- (A) Identify valued scenic resources in the coastal zone management area;**
- (B) Ensure that new developments are compatible with their visual environment by designing and locating such developments to minimize the alteration of natural landforms and existing public views to and along the shoreline;**
- (C) Preserve, maintain, and where desirable, improve and restore shoreline open space and scenic resources; and**
- (D) Encourage those developments which are not coastal dependent to locate in inland areas.**

Statement:: The proposed improvements should not adversely affect coastal scenic and open space resources along Kamehameha Highway or mauka facing views from the highway. The Coastal View Study Maps (Exhibit No. 7) for the North Shore (Department of Land Utilization, 1987) did not identify any significant stationary views mauka of Kamehameha Highway in the vicinity of the Park. The Study, however, cites the foothills and upland bluff areas further mauka of the Park as important coastal landforms.

To emphasize the importance of mauka views along the North Shore, the North Shore Sustainable Communities Plan identifies "Mauka views of the Koolau Mountains and Pali along Kamehameha Highway from Haleiwa to Waialea" as an important scenic resource. The proposed improvements are of similar scale and height as the existing improvements and are essentially replacing what recreation facilities now exist. Since the existing improvements do not adversely affect mauka views of the Koolau Mountains, then the proposed improvements should have the same non-effect. A height waiver will be sought to allow some light fixtures to exceed the height limit of the zoning district (25 feet) by up to 14 feet. The taller light fixtures will not obstruct mauka views of the Koolau Mountains.

4) Coastal Ecosystems

- (A) Improve the technical basis for natural resource management;**
- (B) Preserve valuable coastal ecosystems, including reefs, of significant biological or economic importance;**
- (C) Minimize disruption or degradation of coastal water ecosystems by efficient regulation of stream diversions, channelization, and similar land and water uses, recognizing competing water needs; and**
- (D) Promote water quantity and quality planning and management practices which reflect the tolerance of fresh water and marine ecosystems and prohibit land and water uses which violate state water quality standards.**

Statement: The project is not proposed in an area of open waters, potential fisheries and fishing grounds, and wildlife habitats. There are no wetlands, perennial streams, lakes, or other bodies of water comprising coastal ecosystems on the premises.

Park improvements are not proposed along the shoreline thus there should be no effect on beach processes.

Runoff from the Park will continue to sheet flow towards Kamehameha Highway.

5) Economic Uses

- (A) Concentrate coastal dependent development in appropriate areas;**
- (B) Ensure that coastal dependent development such as harbors and ports, and coastal related development such as visitor industry facilities and energy generating facilities, are located, designed, and constructed to minimize adverse social, visual, and environmental impacts in the coastal zone management area; and**
- (C) Direct the location and expansion of coastal dependent developments to areas presently designated and used for such developments and permit reasonable long-term growth at such areas, and permit coastal dependent development outside of presently designated areas when:
 - (i) Use of presently designated locations is not feasible;**
 - (ii) Adverse environmental effects are minimized; and**
 - (iii) The development is important to the State's economy.****

Statement: Although Sunset Beach Neighborhood Park is located in the Special Management Area, it is not a coastal dependent development.

6) Coastal Hazards

- (A) Develop and communicate adequate information about storm wave, tsunami, flood, erosion, subsidence, and point and nonpoint source pollution hazards;**
- (B) Control development in areas subject to storm wave, tsunami, flood, erosion, hurricane, wind, subsidence, and point and nonpoint source pollution hazards;**
- (C) Ensure that developments comply with requirements of the Federal Flood Insurance Program;**
- (D) Prevent coastal flooding from inland projects; and**
- (E) Develop a coastal point and nonpoint source pollution control program.**

Statement: The Park is located outside of the 100-year flood hazard area and coastal high hazard area delineated for this section of the North Shore.

7) Managing Development

- (A) Use, implement, and enforce existing law effectively to the maximum extent possible in managing present and future coastal zone development;**
- (B) Facilitate timely processing of applications for development permits and resolve overlapping or conflicting permit requirements; and**
- (C) Communicate the potential short and long-term impacts of proposed significant coastal developments early in their life-cycle and in terms understandable to the public to facilitate public participation in the planning and review process.**

8) Public Participation

- (A) Maintain a public advisory body to identify coastal management problems and to provide policy advice and assistance to the coastal zone management program;**
- (B) Disseminate information on coastal management issues by means of educational materials, published reports, staff contact, and public workshops**

- for persons and organizations concerned with coastal-related issues, developments, and government activities; and*
- (C) Organize workshops, policy dialogues, and site-specific mediations to respond to coastal issues and conflicts.**

Statement: A Major Special Management Area ("SMA") Permit is required for the proposed improvements. The Department of Planning and Permitting ("DPP"), City and County of Honolulu, will schedule a public hearing as part of the SMA review process. Notice of the public hearing will be published in a local daily newspaper. Adjoining property will be notified by mail as to the time and place of the hearing.

The Honolulu City Council approves SMA permits. The application for SMA Permit and DPP recommendation will be presented to the Honolulu City Council and the City Council Zoning Committee. The Zoning Committee can also schedule a public hearing if warranted. Honolulu City Council hearing procedures provide ample opportunity for the public to comment on the SMA Permit application.

9) Beach Protection

- (A) Locate new structures inland from the shoreline setback to conserve open space and to minimize loss of improvements due to erosion;**
- (B) Prohibit construction of private erosion-protection structures seaward of the shoreline, except when they result in improved aesthetic and engineering solutions to erosion at the sites and do not interfere with existing recreational and waterline activities; and**
- (C) Minimize the construction of public erosion-protection structures seaward of the shoreline.**

Statement: The proposed improvements are not located on a beach or shoreline.

10) Marine Resources

- (A) Exercise an overall conservation ethic, and practice stewardship in the protection, use, and development of marine and coastal resources;**
- (B) Assure that the use and development of marine and coastal resources are ecologically and environmental y sound and economically beneficial;**
- (C) Coordinate the management of marine and coastal resources and activities management to improve effectiveness and efficiency;**
- (D) in the sound management of ocean resources within the United States exclusive economic zone;**
- (E) Promote research, study, and understanding of ocean processes, marine life, necessary to understand how ocean development activities relate and impact upon ocean and coastal resources; and**
- (F) Encourage research and development of new, innovative technologies for exploring, using, or protecting marine and coastal resources.**

Statement: The improvements are not proposed on the shoreline thus there should be no impact on marine resources.

A. No Action

A "No Action" alternative would preclude the occurrence of all impacts, short and long term, beneficial and adverse described in this Assessment. The No Action alternative would forego the construction recreation opportunities as proposed in the Sunset Beach Neighborhood Park Site Development Plan.

B. Site Development Plan Alternatives

Three alternative site plans were considered.

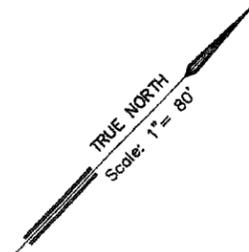
Alternative 1 (Figure 7) proposed two tennis courts, ~~two~~ **one** volleyball courts, and two basketball courts. ~~No change to the locations of the existing facilities was proposed. The volleyball and tennis courts would be switched under this alternative. Space for a second volleyball court or play apparatus would be provided adjacent to the relocated tennis court.~~ This alternative added a second volleyball court adjacent to the existing and a slight enlargement of the court area to accommodate two courts. The volleyball courts ~~and tennis court~~ would be oriented **north-south**. ~~laid out in an east-west orientation.~~

Alternative 2 (Figure 8) proposed two tennis courts, one volleyball court, and two basketball courts. The tennis and volleyball court locations were switched with the tennis courts ~~moving~~ **moved mauka** of the volleyball court. The area of the existing volleyball court would be enlarged to accommodate the two tennis courts. The tennis courts would be oriented ~~east-west~~ **north-south** and the volleyball court ~~north-south~~ **east-west**.

Alternative 3 (Figure 9) proposed two tennis courts, two volleyball courts, and two basketball courts. All facility locations would be switched as follows: existing volleyball court for two tennis courts; existing tennis courts for two basketball courts; and existing basketball courts for two tennis courts. The area of the volleyball court would be enlarged to accommodate the two basketball courts and all facilities would be oriented ~~north-to-south~~ **east to west**.

Alternative 4, the Site Development Plan shown as Figure 3, retains the same layout as the existing park. This alternative was preferred by Sunset Beach Elementary School administrators, the Sunset Beach Elementary School Community Council, and other park users (Sunset Beach Elementary School and Sunset Beach Elementary School Community Council Comments). Only one volleyball court is needed at this time. ~~was selected because of the preferred court orientation, the option of constructing a second volleyball court (only one volleyball court is needed at this time), and the proposed grading improvements between the comfort station and pavilion will contribute to positive drainage in this area.~~

In assessing the impacts of the site development plan alternatives, it is concluded that the alternatives would not result in environmental impacts significantly different than that disclosed in this environmental assessment.



PROJECT DATA AND DEVELOPMENT REQUIREMENTS:
 SUNSET BEACH NEIGHBORHOOD PARK
 59-350 KAMEHAMEHA HIGHWAY
 HALEIWA, HAWAII 96712
 TMK: 5-9-005: 070
 AREA: 6.00 ACRES
 FLOOD ZONE: X
 HEIGHT LIMIT: 25-FEET
 SPECIAL MANAGEMENT AREA: YES
 SPECIAL DISTRICT: NONE
 STATE LAND USE: URBAN
 ZONING (LUO): P-2 GENERAL PRESERVATION DISTRICT
 EXISTING USE: PUBLIC OUTDOOR RECREATIONAL FACILITY

MAXIMUM ALLOWABLE BUILDING AREA AT 5%
 = 13,068 SQ. FT.

BUILDING AREA TABLE:

FACILITY	AREA, S.F.	PERCENT, %
COMFORT STATION	790	
PAVILION	680	
DUGOUTS (4 TOTAL)	776	
TOTAL	2,246	0.86

PARKING STALL REQUIREMENTS:

FACILITY	REQUIRED NO. OF STALLS	TOTAL NO. OF STALLS
COMFORT STATION	NONE	0
PAVILION (680 S.F.)	1 STALL PER 200 S.F.	4
PLAYCOURTS (2) BASKETBALL (2) VOLLEYBALL (2) TENNIS	3 STALLS PER COURT	18
BALLFIELDS (2) SOFTBALL	12 STALLS PER FIELD	24
PLAY APPARATUS	NONE	0
TOTAL		46*

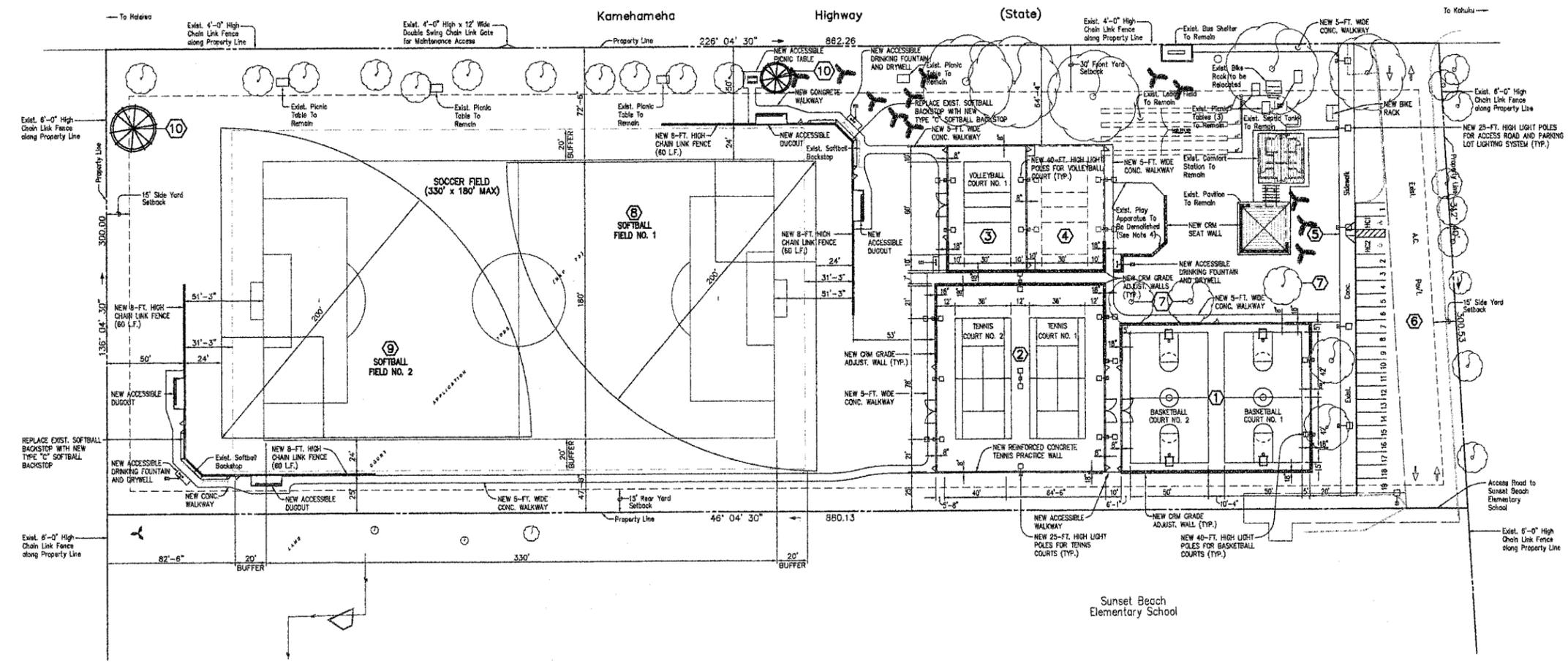
ACCESSIBLE PARKING STALL REQUIREMENTS:

ACCESSIBLE PARKING STALL	TOTAL
STANDARD ACCESSIBLE	1
VAN ACCESSIBLE	1
TOTAL	2

EXISTING PARKING STALLS PROVIDED:

PARKING STALL	TOTAL
STANDARD: OFF-STREET (WITHIN PARK)	19
ON-STREET (ALONG KAMEHAMEHA HIGHWAY)	27
TOTAL	46
STANDARD ACCESSIBLE (WITHIN PARK)	1
VAN ACCESSIBLE (WITHIN PARK)	1
TOTAL	48

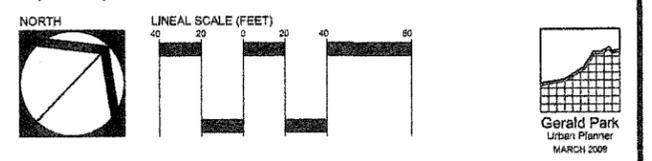
*THE TOTAL NUMBER OF PARKING STALLS REQUIRED INCLUDES ACCESSIBLE PARKING STALLS.



PROPOSED MASTER PLAN IMPROVEMENTS:

- ① RECONSTRUCT TWO (2) BASKETBALL COURTS INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10- FEET HIGH CHAIN FENCE, GATES, BACKSTOPS, LIGHTING SYSTEM AND ACCESSORIES.
- ② RECONSTRUCT TWO (2) TENNIS COURTS INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10- FEET HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- ③ RECONSTRUCT ONE (1) VOLLEYBALL COURT INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10- FEET HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- ④ SPACE FOR VOLLEYBALL COURT NO. 2 OR PLAY APPARATUS.
- ⑤ RECONSTRUCT 10- FEET WIDE CONCRETE WALKWAY AND CURB RAMP AS REQUIRED TO PROVIDE AN ACCESSIBLE ROUTE FROM THE ACCESSIBLE PARKING STALLS TO THE COMFORT STATION, PAVILION, PLAYCOURTS AND BALLFIELDS.
- ⑥ RECONSTRUCT ASPHALT CONCRETE PARKING LOT AND DRIVEWAY AS REQUIRED TO PROVIDE ACCESSIBLE PARKING STALLS. INSTALL NEW PARKING LOT LIGHTING SYSTEM.
- ⑦ REMOVE EXISTING SILVER BUTTONWOOD TREES ADJACENT TO BASKETBALL COURTS AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
- ⑧ SOFTBALL FIELD NO. 1 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, PICNIC TABLE, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- ⑨ SOFTBALL FIELD NO. 2 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- ⑩ NEW TRUE KOU OR AUTOGRAPH TREES.

Figure 7
 Site Development Plan - Alternative No. 1
 Sunset Beach Neighborhood Park
 City & County of Honolulu Koolauloa, Island of Oahu





PROJECT DATA AND DEVELOPMENT REQUIREMENTS:

SUNSET BEACH NEIGHBORHOOD PARK
 59-350 KAMEHAMEHA HIGHWAY
 HALEIWA, HAWAII 96712
 TMK: 5-9-005: 070
 AREA: 6.00 ACRES
 FLOOD ZONE: X
 HEIGHT LIMIT: 25-FEET
 SPECIAL MANAGEMENT AREA: YES
 SPECIAL DISTRICT: NONE
 STATE LAND USE: URBAN
 ZONING (LUO): P-2 GENERAL PRESERVATION DISTRICT
 EXISTING USE: PUBLIC OUTDOOR RECREATIONAL FACILITY

MAXIMUM ALLOWABLE BUILDING AREA AT 5%
 = 13,068 SQ. FT.

BUILDING AREA TABLE:

FACILITY	AREA, S.F.	PERCENT, %
COMFORT STATION	790	
PAVILION	680	
DUGOUTS (4 TOTAL)	776	
TOTAL	2,246	0.86

PARKING STALL REQUIREMENTS:

FACILITY	REQUIRED NO. OF STALLS	TOTAL NO. OF STALLS
COMFORT STATION	NONE	0
PAVILION (680 S.F.)	1 STALL PER 200 S.F.	4
PLAYCOURTS (2) BASKETBALL (1) VOLLEYBALL (2) TENNIS	3 STALLS PER COURT	15
BALLFIELDS (2) SOFTBALL	12 STALLS PER FIELD	24
PLAY APPARATUS	NONE	0
TOTAL		43*

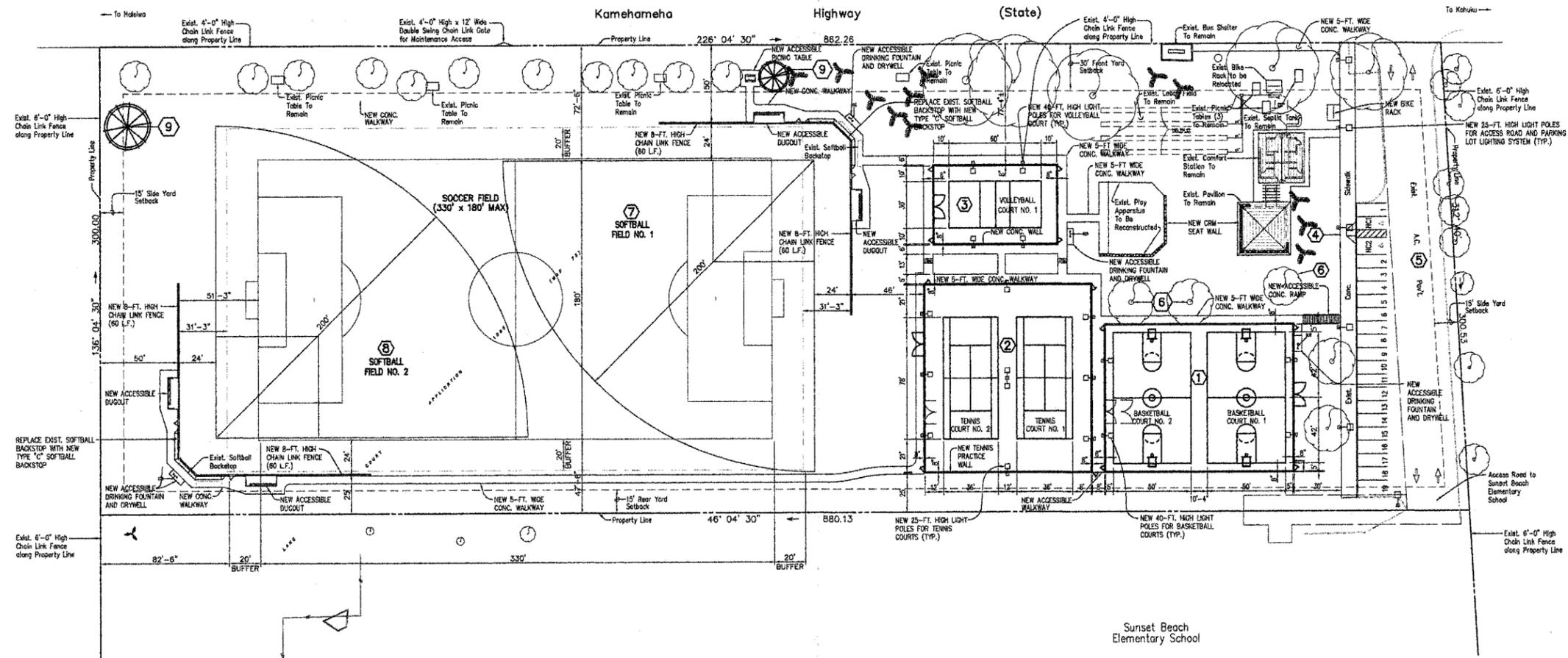
EXISTING PARKING STALLS PROVIDED:

PARKING STALL	TOTAL
STANDARD: OFF-STREET (WITHIN PARK) ON-STREET (ALONG KAMEHAMEHA HIGHWAY)	19 27 46
TOTAL	46
STANDARD ACCESSIBLE (WITHIN PARK) VAN ACCESSIBLE (WITHIN PARK)	1 1
TOTAL	48

*THE TOTAL NUMBER OF PARKING STALLS REQUIRED INCLUDES ACCESSIBLE PARKING STALLS.

ACCESSIBLE PARKING STALL REQUIREMENTS:

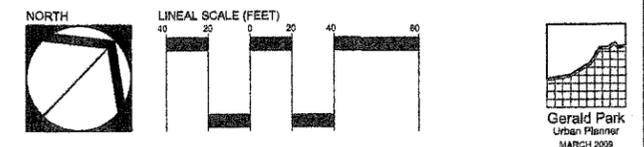
ACCESSIBLE PARKING STALL	TOTAL
STANDARD ACCESSIBLE	1
VAN ACCESSIBLE	1
TOTAL	2



PROPOSED MASTER PLAN IMPROVEMENTS:

- 1 RECONSTRUCT TWO (2) BASKETBALL COURTS INCLUDING ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, BACKSTOPS, LIGHTING SYSTEM AND ACCESSORIES.
- 2 RECONSTRUCT TWO (2) TENNIS COURTS INCLUDING ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- 3 RECONSTRUCT ONE (1) VOLLEYBALL COURT INCLUDING GRADE ADJUSTMENT WALL, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- 4 RECONSTRUCT 10-FOOT WIDE CONCRETE WALKWAY AND CURB RAMP AS REQUIRED TO PROVIDE AN ACCESSIBLE ROUTE FROM THE ACCESSIBLE PARKING STALLS TO THE COMFORT STATION, PAVILION, PLAYCOURTS AND BALLFIELDS.
- 5 RECONSTRUCT ASPHALT CONCRETE PARKING LOT AND DRIVEWAY AS REQUIRED TO PROVIDE ACCESSIBLE PARKING STALLS. INSTALL NEW PARKING LOT LIGHTING SYSTEM.
- 6 REMOVE EXISTING SILVER BUTTWOOD TREES ADJACENT TO BASKETBALL COURTS AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
- 7 SOFTBALL FIELD NO. 1 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, PICNIC TABLE, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- 8 SOFTBALL FIELD NO. 2 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- 9 NEW TRUE KOU OR AUTOGRAPH TREES.

Figure 8
 Site Development Plan - Alternative No. 2
 Sunset Beach Neighborhood Park
 City & County of Honolulu Koolauloa, Island of Oahu





PROJECT DATA AND DEVELOPMENT REQUIREMENTS:

SUNSET BEACH NEIGHBORHOOD PARK
 59-350 KAMEHAMEHA HIGHWAY
 HALEIWA, HAWAII 96712
 TMK: 5-9-005: 070
 AREA: 8.00 ACRES
 FLOOD ZONE: X
 HEIGHT LIMIT: 25-FEET
 SPECIAL MANAGEMENT AREA: YES
 SPECIAL DISTRICT: NONE
 STATE LAND USE: URBAN
 ZONING (LUO): P-2 GENERAL PRESERVATION DISTRICT
 EXISTING USE: PUBLIC OUTDOOR RECREATIONAL FACILITY

MAXIMUM ALLOWABLE BUILDING AREA AT 5%
 = 13,068 SQ. FT.

BUILDING AREA TABLE:

FACILITY	AREA, S.F.	PERCENT, %
COMFORT STATION	790	
PAVILION	680	
DUGOUTS (4 TOTAL)	776	
TOTAL	2,246	0.86

PARKING STALL REQUIREMENTS:

FACILITY	REQUIRED NO. OF STALLS	TOTAL NO. OF STALLS
COMFORT STATION	NONE	0
PAVILION (680 S.F.)	1 STALL PER 200 S.F.	4
PLAYCOURTS (2) BASKETBALL (2) VOLLEYBALL (2) TENNIS	3 STALLS PER COURT	18
BALLFIELDS (2) SOFTBALL	12 STALLS PER FIELD	24
PLAY APPARATUS	NONE	0
TOTAL		46*

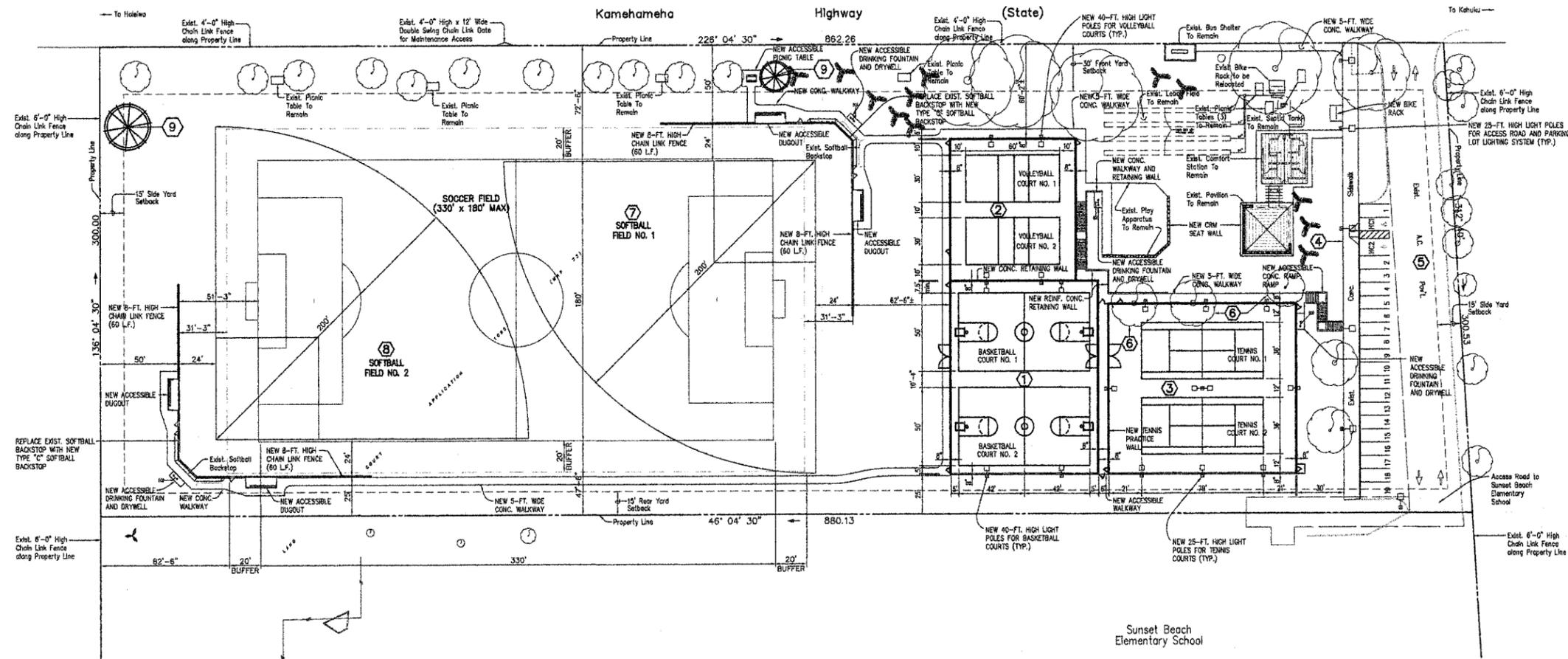
EXISTING PARKING STALLS PROVIDED:

PARKING STALL	TOTAL
STANDARD:	
OFF-STREET (WITHIN PARK)	19
ON-STREET (ALONG KAMEHAMEHA HIGHWAY)	27
TOTAL	46
STANDARD ACCESSIBLE (WITHIN PARK)	1
VAN ACCESSIBLE (WITHIN PARK)	1
TOTAL	48

*THE TOTAL NUMBER OF PARKING STALLS REQUIRED INCLUDES ACCESSIBLE PARKING STALLS.

ACCESSIBLE PARKING STALL REQUIREMENTS:

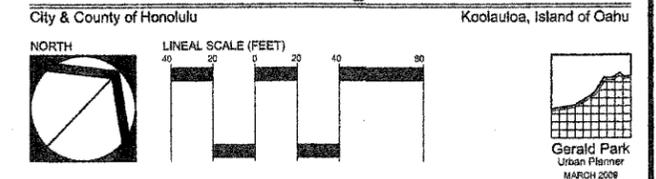
ACCESSIBLE PARKING STALL	TOTAL
STANDARD ACCESSIBLE	1
VAN ACCESSIBLE	1
TOTAL	2



PROPOSED MASTER PLAN IMPROVEMENTS:

- 1 RECONSTRUCT TWO (2) BASKETBALL COURTS INCLUDING ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, BACKSTOPS, LIGHTING SYSTEM AND ACCESSORIES.
- 2 CONSTRUCT TWO (2) VOLLEYBALL COURT INCLUDING GRADE ADJUSTMENT WALL, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- 3 RECONSTRUCT TWO (2) TENNIS COURTS INCLUDING GRADE ADJUSTMENT WALLS, ASPHALT CONCRETE SURFACE, CONCRETE CURBS, 10-FOOT HIGH CHAIN FENCE, GATES, NET POSTS, LIGHTING SYSTEM AND ACCESSORIES.
- 4 RECONSTRUCT 10-FOOT WIDE CONCRETE WALKWAY AND CURB RAMP AS REQUIRED TO PROVIDE AN ACCESSIBLE ROUTE FROM THE ACCESSIBLE PARKING STALLS TO THE COMFORT STATION, PAVILION, PLAYCOURTS AND BALLFIELDS.
- 5 RECONSTRUCT ASPHALT CONCRETE PARKING LOT AND DRIVEWAY AS REQUIRED TO PROVIDE ACCESSIBLE PARKING STALLS. INSTALL NEW PARKING LOT LIGHTING SYSTEM.
- 6 REMOVE EXISTING SILVER BUTTONWOOD TREES ADJACENT TO TENNIS COURTS AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
- 7 SOFTBALL FIELD NO. 1 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, PICNIC TABLE, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- 8 SOFTBALL FIELD NO. 2 - REPLACE (1) EXISTING SOFTBALL BACKSTOP WITH NEW TYPE "C" SOFTBALL BACKSTOP (23' HEIGHT), INCLUDING (2) ACCESSIBLE DUGOUTS, ACCESSIBLE DRINKING FOUNTAIN, CONCRETE WALKWAYS AND 8' HIGH CHAIN LINK FENCE LINE FENCING
- 9 NEW TRUE KOU OR AUTOGRAPH TREES.

Figure 9
 Site Development Plan - Alternative 3
 Sunset Beach Neighborhood Park
 City & County of Honolulu Koolauloa, Island of Oahu



AGENCIES AND ORGANIZATIONS CONSULTED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

6

*The Draft Environmental Assessment for Sunset Beach Neighborhood Park was published in the Office of Environmental Quality Control Environmental Notice of September 8, 2008. Publication initiated a 30-day public review period ending on October 8, 2008. The Draft Environmental Assessment was mailed to the agencies and organizations identified below. An asterisk * identifies agencies and organizations that submitted written comments during the review period. All comment letters and responses are found in Appendix A.*

City and County of Honolulu

- *Board of Water Supply
- *Department of Facility Maintenance
- Department of Environmental Service
- *Department of Planning and Permitting
- *Department of Parks and Recreation
- *Police Department

State of Hawaii

- *Department of Education
 - *Sunset Beach Elementary School**
 - *Sunset Beach Elementary School Community Council**
- Department of Land and Natural Resources
 - *Historic Preservation Division
- Department of Health
 - Office of Environmental Quality Control
- *Department of Transportation

Other

- *Hawaiian Electric Company**
- *Hawaiian Telcom
- North Shore Neighborhood Board No. 27
- Councilmember Donovan Dela Cruz
- The Honorable Robert Bunda
- The Honorable Michael Magaoay
- Kahuku Public Library (Placement)

Permits and approvals required for the project and approving authorities are listed below. Additional permits and approvals may be required pending final construction plans.

City and County of Honolulu

Honolulu City Council

Special Management Area Permit

Department of Planning and Permitting

Grading Permit

Building Permit for Building, Electrical, Plumbing, Sidewalk/Driveway and Demolition Work
Waiver (Zoning Height and Off-street Parking)

State of Hawaii

Department of Health

NPDES General Permits (Discharges Associated with Construction Activities)

Chapter 200 (Environmental Impact Statement Rules) of Title 11, Administrative Rules of the State Department of Health, establishes criteria for determining whether an action may have significant effects on the environment (§11-200-12). The relationship of the proposed project to these criteria is discussed below.

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

No natural or cultural resources are found at the Park. *On-call archaeological monitoring will be performed during excavation of the court facilities and on-site monitoring performed for excavations exceeding 2 feet below the ground surface..*

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

The project will not curtail the range of beneficial uses of the environment. Sunset Beach Neighborhood has been developed as a public park since the mid-1970s.

3) Conflicts with the state's long-term environmental policies or goals and guidelines as expressed in chapter 344, Hawaii Revised Statutes, and any revisions thereof and amendments thereto, court decisions or executive orders;

The project does not conflict with long-term environmental policies, goals, and guidelines of the State of Hawaii.

4) Substantially affects the economic welfare, social welfare, and cultural practices of the community or State;

The project will not substantially affect the economic or social welfare of the community or State. Cultural practices should not be affected since there is a low probability that such practices are associated with the Park.

5) Substantially affects public health;

Public health will not be adversely affected by the proposed project.

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

The proposed project will not initiate population changes in the area or effects on public facilities.

7) Involves a substantial degradation of environmental quality;

Environmental quality will not be substantially degraded as a result of the project.

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

The project is not the precursor for a larger action. It is, however, part of on-going capital improvement programs to improve existing parks and recreation opportunities for residents of and visitors to the City and County of Honolulu.

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

Field investigations revealed that there is no rare, threatened or endangered flora on the premises.

10) Detrimentially affects air or water quality or ambient noise levels;

Ambient air quality will be affected during construction by fugitive dust and combustion emissions but can be controlled by measures stipulated in this Assessment. Construction noise will be audible in areas adjoining the Park but should diminish when demolition and associated site work activities are completed. All construction activities will comply with air quality and noise pollution regulations of the State Department of Health.

Demolition of the play courts will be performed when school is not in session to minimize noise disruption to classroom instruction.

11) Affects an environmentally sensitive area such as a flood plain, tsunami zone, erosion prone area, geologically hazardous land, estuary, fresh water, or coastal waters;

Sunset Beach Neighborhood Park is not located in an environmentally sensitive area.

The open space areas will serve a drainage function by allowing runoff to continue to sheetflow in the direction of Kamehameha Highway.

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

The proposed improvements will not significantly affect scenic vistas identified in county plans for the area. Public views of the shoreline from the roadway nearest the coastline will not be affected because the improvements are located on the *mauka* side of Kamehameha Highway. The proposed improvements will not adversely affect *mauka* views towards the Koolau Mountain Range from the highway.

13) Requires substantial energy consumption.

Substantial energy consumption is not anticipated. The use of high-efficiency luminaries will aid in reducing energy consumption and cost.

REFERENCES

- Chu, Michael S. and Robert B. Jones. 1987. *Coastal View Study*. Prepared for City and County of Honolulu, Department of Land Utilization.
- Department of Geography, University of Hawaii. 1983. *Atlas of Hawaii Second Edition*. University of Hawaii Press. Honolulu.
- Department of Parks and Recreation, City and County of Honolulu. April 1997. *Index of O'ahu Parks and Facilities*.
- Department of Planning and Permitting, City and County of Honolulu. October 1986. *Land Use Ordinance. Ordinance No. 86-96 As Amended*.
- Department of Planning and Permitting, City and County of Honolulu. May 1999. *North Shore Sustainable Communities Plan*.
- Department of Planning and Permitting. December 1, 2000. *North Shore Public Infrastructure Map*. Resolution No. 2000-265, FD1.
- Federal Emergency Management Agency. September 2004. *Flood Insurance Rate Map*. Community Panel No. 15003C0020F
- Mink, John F. and L. Stephen Lau. February 1990 Revised. *Aquifer Identification and Classification for Oah'u: Groundwater Protection Strategy for Hawai'i*. Water Resources Research Center, University of Hawaii at Manoa.
- Park, Gerald Urban Planner. July 2007. *Field Observation*.
- Towill, R.M. Corporation. December 2006. *Final Environmental Assessment Sunset Beach Elementary School Administration Building DOE Job No. 12-16-4740*. Prepared for Department of Education.
- U.S. Department of Agriculture, Soil Conservation Service. August 1972. *Soil Survey Report for Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii*. In Cooperation with the University of Hawaii Agricultural Experiment Station.

APPENDIX A

COMMENT LETTERS AND RESPONSES

DEPARTMENT OF PARKS AND RECREATION
CITY AND COUNTY OF HONOLULU

1000 ULUOHIA STREET, SUITE 309 • KAPOLEI, HAWAII 96707
Phone: (808) 768-3009 • FAX: 768-3053 • Internet: www.co.honolulu.hi.us



MUFI HANNEMANN
MAYOR

LESTER K. C. CHANG
DIRECTOR

GAIL Y. HARAGUCHI
DEPUTY DIRECTOR

September 5, 2008



Mr. Gerald Park
Gerald Park, Urban Planner
95-593 Kanamee Street #324
Mililani, Hawaii 96789

Dear Mr. Park:

Subject: Draft Environmental Assessment
Sunset Beach Neighborhood Park
TMK: 5-9-005:070

Thank you for the opportunity to review and comment on the Draft Environmental Assessment for the Sunset Beach Neighborhood Park.

The Department of Parks and Recreation supports the proposed improvements described in the Draft Environmental Assessment.

Should you have any questions, please contact Mr. John Reid, Planner, at 768-3017.

Lester K. C. Chang
LESTER K. C. CHANG
Director

LKCC:jr
(2/6/18)

cc: Mr. Howard Koza, Department of Design and Construction



GERALD PARK
Urban Planner

Planning
Land Use
Research
Environmental
Studies

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

Telephone:
(808) 596-7484
Facsimile:
(808) 596-7485

e-mail:
gparkurbanplanner
@hawaiiintel.net

March 20, 2009

Mr. Lester K.C. Chang, Director
Department of Parks and Recreation
City and County of Honolulu
1000 Uluohia Street, Suite 309
Kapolei, Hawaii 96707

Dear Mr. Chang:

Subject: Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005:070
Pupukea, District of Koolauloa, Oahu

Thank you for your letter of September 5, 2008 and for reviewing the Draft Environmental Assessment prepared for the subject project. Your support for the proposed improvements will assure that recreation facilities are provided for the use and enjoyment of residents and visitors.

We thank the Department of Parks and Recreation for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park
Gerald Park

c: H. Koza, DDC-FD
R. Arakaki, PEI

POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU
801 SOUTH BERETANIA STREET • HONOLULU, HAWAII 96813
TELEPHONE: (808) 529-3111 • INTERNET: www.honolulu.gov



MUFU HANEKAMA
MAYOR

OUR REFERENCE BS-VYH

BOISSE P. CORREA
CHIEF
PAUL D. PUTZLUB
KARLA A. GODSEY
DEPUTY CHIEFS

September 5, 2008



Mr. Gerald Park
Gerald Park Urban Planner
95-595 Kanamee Street, Suite 324
Milliani, Hawaii 96789

Dear Mr. Park:

This is in response to your letter of August 25, 2008, requesting comments on a Draft Environmental Assessment for the Sunset Beach Neighborhood Park Site Development Plan.

This project should have no significant impact on the facilities or operations of the Honolulu Police Department.

If there are any questions, please call Major Bart Huber of District 2 at 621-3725 or Mr. Brandon Stone of the Executive Office at 529-3644.

Sincerely,

BOISSE P. CORREA
Chief of Police

By *Deborah A. Tandall*
DEBORA A. TANDAL
Assistant Chief of Police
Support Services Bureau

Serving and Protecting With Aloha



March 20, 2009

GERALD PARK
Urban Planner

Planning
Land Use
Research

Environmental
Studies

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

Telephone:
(808) 596-7484

Facsimile:
(808) 596-7485

e-mail:
gparkurbanplanner
@hawaiiinter.net

Boisse P. Correa, Chief of Police
Honolulu Police Department
City and County of Honolulu
801 South Beretania Street
Honolulu, Hawaii 96813

Dear Chief Correa:

Subject: Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005; 070
Pupukea, District of Koolauloa, Oahu

Thank you for your letter of September 5, 2008 indicating that the proposed project should have no significant impact on the facilities or operations of the Honolulu Police Department. Your comment will be included in the Final Environmental Assessment.

We thank the Honolulu Police Department for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park
Gerald Park

c: H. Koza DDC-FD
R. Arakaki, PEI

September 4, 2008

Gerald Park - Urban Planner
1221 Kapiolani Boulevard, Suite 211
Honolulu, Hawaii 96814
Attention: Mr. Gerald Park

Dear Mr. Park:

Subject: **Draft Environmental Assessment, Sunset Beach
Neighborhood Park Site Development Plan**

Thank you for the opportunity to review and comment on the
subject project in preparation of the Environmental Assessment.

Hawaiian Telecom does not have any comments to offer at this
time. Please continue to include us 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 546-7761.

Sincerely,

Lynette Yoshida

Lynette Yoshida
Section Manager - OSP Engineering
Network Engineering & Planning

cc: File [Sunset Beach]



GERALD PARK
Urban Planner

Planning
Land Use
Research
Environmental
Studies

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

Telephone:
(808) 596-7484

Facsimile:
(808) 596-7485

e-mail:
gparkurbanplanner
@hawaiiantel.net

March 20, 2009

Ms. Lynette Yoshida, Section Manager
OSP Engineering
Network Engineering & Planning
Hawaiian Telecom
P.O. Box 2200
Honolulu, Hawaii 96841

Dear Ms. Yoshida:

Subject: **Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005: 070**
Pupukea, District of Koolauloa, Oahu

Thank you for your letter of September 4, 2008 and for reviewing the Draft
Environmental Assessment prepared for the subject project. As requested, Hawaiian
Telcom will continue to be included during the design stage of the proposed
improvements.

We thank Hawaiian Telcom for participating in the environmental assessment review
process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

Gerald Park

c: H. Koza, DDC-FD
R. Arakaki, PEI

BOARD OF WATER SUPPLY

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



September 5, 2008

- MUPI HANNEMANN, Mayor
- RANDALL Y. S. CHUNG, Chairman
- SAMUEL T. HATA
- ROBERT K. GUNDIFF
- MARC C. TILKER
- CRAIG I. NISHIMURA, Ex-Officio
- BRENNON T. ROROCKA, Ex-Officio
- CLIFFORD P. LUM
Manager and Chief Engineer
- DEAN A. MAXIANO
Deputy Manager and Chief Engineer

Mr. Gerald Park
Gerald Park Urban Planner
95-595 Kanamee Street #324
Mililani, Hawaii 96789

Dear Mr. Park:

Subject: Your Letter Dated August 25, 2008 on the Environmental Assessment for the
Sunset Beach Neighborhood Park TMK: 5-9-5.70.

Thank you for your letter on the proposed improvements at Sunset Beach Neighborhood Park.

The existing water system is presently adequate to accommodate the proposed development. However, please be advised that this information is based upon current data and, therefore, the Board of Water Supply reserves the right to change any position or information stated herein up until the final approval of your building permit application. The final decision on the availability of water will be confirmed when the building permit application is submitted for approval.

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 on-site fire protection requirements should be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department.

The proposed project is subject to Board of Water Supply cross-connection control and backflow prevention requirements prior to issuance of the Building Permit Application.

If you have any questions, please contact Robert Chun at 748-5443.

Very truly yours,

KEITH S. SHIDA
Program Administrator
Customer Care Division



GERALD PARK
Urban Planner

- Planning
- Land Use
- Research
- Environmental Studies

1221 Keoluani Blvd
Suite 211
Honolulu, Hawaii
96814

Telephone: (808) 596-7484
Facsimile: (808) 596-7485
e-mail: gpark@urbanplanner.com
gpark@urbanplanner@hawaiiinter.net

March 20, 2009

Mr. Wayne M. Hashiro, P.E.
Manager and Chief Engineer
Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, Hawaii 96843

Dear Mr. Hashiro:

Subject: Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005: 070
Pupukea, District of Koolauloa, Oahu

Thank you for your letter of September 5, 2008 and for reviewing and commenting on the Draft Environmental Assessment prepared for the subject project. We understand that the availability of water will be confirmed when a building permit application is submitted to the Board for approval and that the project is subject to Board of Water Supply cross connection and backflow prevention requirements.

The Department of Design and Construction will pay the Water System Facility Charges associated with the project.

On-site fire protection requirements will be coordinated with the Honolulu Fire Department.

We thank the Board of Water Supply for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: H. Koza, DDC-FD
R. Arakaki, PEI

EIS



September 26, 2008



Mr. Gerald Park
Gerald Park Urban Planner
95-595 Kanamee Street - No. 324
Milliani, HI 96789

Dear Mr. Park:

Re: Sunset Beach Neighborhood Park
TMK: 5-9-005: 070
Pupukea, Koolauloa, Oahu

Thank you for the opportunity to comment on the above-referenced project. HECO has found no evidence of conflicts and has no objections at this time. The following comments were received from the Engineering and Construction & Maintenance Departments:

- (1) HECO has existing underground electrical facilities in the vicinity of the proposed project and will require continued access for maintenance purposes. We appreciate your efforts to keep us apprised of the planning process. As the project progresses, please continue to keep us informed. We will be better able to evaluate any effects on our system facilities further along in the project's development. We request that development plans show all affected HECO facilities, and address any conflicts between the proposed plans and HECO's existing facilities. Please forward the pre-final development plans to HECO for review.
- (2) Should it become necessary to relocate HECO's facilities, please immediately submit a request in writing and we will work with you so that construction of the project may proceed as smoothly as possible. Please note that there may be costs associated with any relocation work, and that such costs may be borne by the requestor. Because any redesign or relocation of HECO's facilities may cause lengthy delays, upon determination that HECO facilities will need to be relocated, HECO should be notified immediately in order to minimize any delays in or impacts on the project schedule.

Mr. Dwight Pauahi Kauahikaua
September 26, 2008
Page Two

To coordinate HECO's continuing input in this project, I suggest dealing directly with Christine Tasato, Transmission & Distribution Division, Engineering Department (543-7718).

Sincerely,

Kirk S. Tomita
Senior Environmental Scientist

cc: C. Tasato/C. Chang/M. Lum
M. Ho





March 20, 2009

GERALD PARK
Urban Planner

Mr. Kirk S. Tomita
Senior Environmental Scientist
Hawaiian Electric Company, Inc.
PO Box 2750
Honolulu, Hawaii 96840-0001

Planning
Land Use
Research
Environmental
Studies

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

Telephone:

(808) 596-7484

Facsimile:

(808) 596-7485

e-mail:

gparkurbanplanner
@hawaiianel.net

Dear Mr. Tomita:

Subject: Sunset Beach Neighborhood Park

Tax Map Key: 5-9-005: 070

Pupukea, District of Koolauloa, Oahu

Thank you for your letter of September 26, 2008 and for reviewing the Draft Environmental Assessment prepared for the subject project. The following responses are offered in the order your comments were presented.

- 1) Thank you for the information about HECO's underground electrical facilities in the vicinity of Sunset Beach Neighborhood Park. HECO will continue to be included in the design development stages of the various improvement projects. Pre-final development plans will be submitted to HECO for review and comment.
2. HECO will be notified immediately if it becomes necessary to relocate any of its facilities. We understand there may be costs associated with the relocation of any HECO facilities.

We thank Hawaiian Electric Company for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: H. Koza, DDC-FD
R. Atakaki, PEI

LINDA LINGLE
GOVERNOR



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

September 22, 2008

Mr. Gerald Park
Gerald Park Urban Planner
1221 Kapiolani Boulevard, Suite 211
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Neighborhood Park
Oahu, District of Koolauloa, Pupukea, TMK: (1) 5-9-005:070

We are in receipt of your August 25, 2008 letter transmitting the Environmental Assessment for the proposed reconstruction of park improvements at Sunset Beach Neighborhood Park that will include replacement of deteriorated park recreation facilities, upgrade of existing facilities, providing ADA compliant facilities, and improving drainage facilities.

Should any work be required within the State highway right-of-way, a permit to construct any such improvements is required. Plans for such construction must be submitted along with a permit application to HDOT, Highways Division, Construction and Maintenance Branch for review and approval. All improvements within the State's right-of-way must meet applicable Federal and State standards and requirements and must be completed at no cost to the State. The Applicant is also advised that no additional storm water may be discharged into the State highway right-of-way; a National Pollutant Discharge Elimination System (NPDES) permit is required for construction activity disturbing one (1) or more acres of total land; and construction plans must include storm water post construction Best Management Practices (BMP's).

If there are any questions regarding these comments, please contact Ken Tatsuguchi, Head Planning Engineer, Highways Division, at 587-1830.

Very truly yours,

BRENNON T. MORIOKA, Ph.D., P.E.
Director of Transportation

BRENNON T. MORIOKA
DIRECTOR
Deputy Directors
MICHAEL D. FORBAY
FRANK J. IERINO
BRANT L. SCHROEDER
JESSICA S. SUNDEN

IN REPLY REFER TO:

HWY-PS
2,9296



GERALD PARK
Urban Planner

Planning
Land Use
Research
Environmental
Studies

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

Telephone:
(808) 596-7484
Facsimile:
(808) 596-7485
e-mail:
gparkurbanplanner
@hawaiiintel.net

March 20, 2009

Mr. Brennon T. Morioka, Ph.D., P.E.
Director of Transportation
Department of Transportation
State of Hawaii
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Dr. Morioka:

Subject: Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005:070
Pupukea, District of Koolauloa, Oahu
HWY-PS 2.9296

Thank you for your letter of September 22, 2008 and for reviewing and commenting on the Draft Environmental Assessment prepared for the subject project. Our responses are offered in the order your comments were presented.

- 1) At this time, work within the State highway right-of-way is not proposed. Should this change, construction plans will be submitted along with a permit application to the Highways Division, Construction and Maintenance Branch for review and approval.
- 2) A National Pollutant Discharge Elimination System (NPDES) permit will be sought from the State Department of Health for construction activities disturbing one (1) or more acres of land.
- 3) Storm water best management practices (BMPs) will be implemented during and following construction pursuant to the City and County of Honolulu Best Management Practices Manual for Construction Sites (May 1999) and Rules Relating to Storm Drainage Standards, Section II-Storm Water Quality (January 2000) as applicable.

We thank the Department of Transportation for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: H. Koza, DDC-FD
R. Arakaki, PEI



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

Received
10.21.08

Mr. Gerald Park
Page 2
October 6, 2008

were closed are actually "sealed" windows. During the school day, the classroom windows are opened as the rooms are not air conditioned.

For the above reasons, we strongly recommend that the tennis courts remain in the lower area of the park.

If you have any questions, please contact Heidi Meeker of the Facilities Development Branch at 377-8301.

October 6, 2008

Mr. Gerald Park
Gerald Park Urban Planner
95-595 Kanamee Street, #324
Mililani, Hawaii 96789

Very truly yours,

Patricia Hamamoto
Superintendent

PH:jmb

Dear Mr. Park:

Subject: Draft Environmental Assessment for Sunset Beach Neighborhood Park
Pupukea, Oahu, TMK: 5-9-005-070

The Department of Education (DOE) is concerned that there was no consultation for the Draft Environmental Assessment (DEA) with the Sunset Beach Neighborhood Park's largest user, Sunset Beach Elementary School. The DEA did not identify the number of hours the school is permitted to use the courts for recess, lunch and physical education; or the number of students that use the facility on a daily basis.

The DEA also did not take into account school safety issues. The present layout of the courts places the courts used on a daily basis by the school, closest to the school. Two of the proposed alternative layouts put the tennis courts, which are only rarely used by the school, closest to the school. That puts the courts used frequently by the school farther away, and closer to the highway, the public restrooms and the bus stop, where mixing with the general public will increase. Those two alternatives pose a greater security risk for the school and would require more school resources to be spent on safety.

The present park layout makes it easy for the school's community and the public to distinguish between school use areas and public use areas during the school day. The proposed alternatives should have given some consideration to making that distinction more pronounced.

The DEA's only reference to noise from the courts was for construction purposes. There would also be other ongoing noise impacts once the tennis courts are completed. The proposed alternative of keeping the tennis courts farthest from the school should have been discussed in terms of noise. There may have also been a mistaken assumption that classroom windows that

c: Randolph Moore, Assistant Superintendent, OSFSS
Lea Albert, CAS, Castle/Kahuku Complex Areas
Principal, Sunset Beach Elementary

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTHRING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8400 • Fax: (808) 768-4567
Web Site: www.dco.hawaii.gov



MUFU HANNEMANN
MAYOR

EUGENE C. LEE, P.E.
DIRECTOR
RUSSELL M. TAKAGA, P.E.
DEPUTY DIRECTOR

December 11, 2008

290917

Ms. Heidi Meeker, Planner
Planning Section
Facilities Development Branch
Department of Education
State of Hawaii
Kalihi High School TB1B
4680 Kalaianaoale Highway
Honolulu, Hawaii 96821

Dear Ms. Meeker:

Subject: Sunset Beach Neighborhood Park
Site Development Plan

Pursuant to the meeting on October 17, 2008, at Sunset Beach Elementary School, we are providing the revised site development plan for your comments.

The revised site development plan shows the reconstructed play courts in the same configuration as the existing play courts. The accessible walkway between the courts was retained to provide access to the courts and various facilities in the park.

If you have any questions, please contact me at 768-8403.

Very truly yours,

Howard Koza, Project Coordinator
Design Branch B
Facilities Division

HK:kd

Enclosure

c: Sunset Beach Elementary School/Ms. Ruth Holmberg
ParEn, Inc. dba Park Engineering/Mr. Russell Arakaki ✓

LINDA LYNCH
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF EDUCATION
P.O. BOX 2380
HONOLULU, HAWAII 96804

OFFICE OF SCHOOL FACILITIES AND SUPPORT SERVICES

December 17, 2008

Mr. Howard Koza, Project Coordinator
Facilities Division
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Koza:

The Department of Education appreciates your responsiveness to the concerns of the Sunset Beach Elementary School community with regard to the re-configuration of play courts in the Sunset Beach Neighborhood Park. We accept the revised site development plan.

We thank you for your consideration of the impacts of additional noise and decreased safety for Sunset Beach Elementary's students. This is a good example of shared facilities and cooperation between school and park.

If you have any questions, please call Heidi Meeker of the Facilities Development Branch at 377-8301.

Sincerely yours,

Duane Y. Kashiwai
Public Works Administrator

DYK:jmb

c: Ruth Holmberg, Sunset Beach Elementary School
Lea Albert, CAS, Castle/Kahuku Complex Areas
✓Russell Arakaki, Park Engineering

ParEn

AN AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY EMPLOYER

received
12-22-08

PATRICIA HAMAMOTO
SUPERINTENDENT



STATE OF HAWAII
DEPARTMENT OF EDUCATION
SUNSET BEACH ELEMENTARY SCHOOL
59-350 KAMEHAMEHA HIGHWAY
HALEIWA, HAWAII 96712
Phone: (808) 636-8777 • Fax: 634-8788

Patricia Hanamoto
SUPERINTENDENT



October 6, 2008

Gerald Park Urban Planner
95-595 Kanamee Street #324
Mililani, Hawaii 96789

Dear Mr. Park:

Re: Sunset Beach Neighborhood Park

Thank you for the opportunity to comment on the site development plans for the Sunset Beach Neighborhood Park. As a daily user and nearest neighbor, the school is very concerned that our interests be considered. Sunset Beach Elementary School currently uses the park during two recess periods a day, for PE activities at various times during the day, for A Plus after school recreational activities, and for several school-wide special events during the school year.

After review and consideration with members of our staff, there is a solid agreement to support Alternative No.1 which maintains the current placement of the tennis courts, volleyball, and basketball courts. (The N-S or E-W orientation of the courts is not an issue—just the locations.) There are three primary reasons that have been articulated: safety, usage, and noise.

Safety is our primary concern. Currently students are not allowed in the lower court area except to retrieve balls that may have escaped over the fence. This lower area is close to Kamehameha Highway, a bus stop, and the public restrooms. These areas naturally have the greatest amount of public traffic during the day. Tour buses and others stop here, use the facilities, go across to view the surf, etc. For safety purposes, we maintain a clear line between the public area and the school use areas during the times that we are using the courts. It is important for us to maintain the separation.

School usage of the courts is centered on the basketball and volleyball courts during recess and PE periods. The courts are used for a variety of games and activities that require a hard surface. Having the tennis courts in the current basketball area would essentially eliminate that area as a play court during the school day. If the volleyball court were located below, we would also lose usage of that area as we would be unable to provide the supervision needed to cover the lower area adequately.

During the day the public seldom uses any of the courts except for the tennis courts. When the playground structure was in place, it was also a popular day use area for babies and preschool aged children and their parents. I am sure it will be a popular spot once again when the structure is in place. It makes the most sense to our school community that the areas most frequently used

AN AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY EMPLOYER

during the day by the public be concentrated in the lower area closer to the bathrooms and pavilion.

Drainage improvements that are needed in the lower area were mentioned in the plan, but it seems that the drainage improvements will be needed no matter which alternative is chosen.

Last of all we do have a concern about the potential of noise interfering with classes and the office in Alternatives 2 and 3. The plan describes the permanent building nearby as cement masonry unit walls with sealed windows facing the park. During the major summer construction phase, it is true that these windows can be closed but during the school year, they will be open to any noise generated in the upper court area. The plans also cite portables located nearby. These portables have since been replaced by the new administration building. This building is closer to the court area than the previous buildings and will have offices with doors and window open on the back side since it is not air conditioned. While we certainly support normal recreational enjoyment of the park, the proximity of the tennis courts to these classrooms and offices could create a noise distraction.

As park users we are grateful for the planned improvements. We look forward to continuing the long established cooperation with our City and County neighbor. Our reciprocal uses have benefitted both parties. The school enjoys use of the park during the school year, and Parks and Recreation uses our facilities during the summer break for the Summer Fun program.

Thank you for your review and consideration of our concerns. We also would appreciate notification of the time and place of the public hearing.

Sincerely,

Ruth Holmberg
Principal

cc:

Department of Parks and Recreation
Councilmember Donovan Dela Cruz

Senator Robert Bunda

Representative Michael Magaocay

North Shore Neighborhood Board No. 27

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 768-4587
Web site: www.honolulu.gov



MUJI HANNEMANN
MAYOR

SUSAN C. LEE, P.E.
DIRECTOR
RUSSELL H. TAKARA, P.E.
DEPUTY DIRECTOR

290917

December 11, 2008

Ms. Ruth Holmberg, Principal
Sunset Beach Elementary School
Department of Education
State of Hawaii
59-360 Kamehameha Highway
Haleiwa, Hawaii 96712

Dear Ms. Holmberg:

Subject: Sunset Beach Neighborhood Park
Site Development Plan

Pursuant to the meeting on October 17, 2008, at Sunset Beach Elementary School (SBES), we are providing the revised site development plan for your comments. We understand SBES will also provide comments from the Parent Teacher Community Association and School Community Council.

The revised site development plan shows the reconstructed play courts in the same configuration as the existing play courts. The accessible walkway between the courts was retained to provide access to the courts and various facilities in the park.

If you have any questions, please contact me at 768-8403.

Very truly yours,


Howard Koza, Project Coordinator
Design Branch B
Facilities Division

HK:kd

Enclosure

c: Department of Education/Ms. Heidi Meeker
PatEn, Inc. dba Park Engineering/Mr. Russell Arakaki ✓



STATE OF HAWAII
DEPARTMENT OF EDUCATION
SUNSET BEACH ELEMENTARY SCHOOL
56-360 KAMEHAMEHA HIGHWAY
HALEIWA, HAWAII 96712
Phone: (808) 638-8777 • Fax: 638-8769

received
10.27.08

October 2, 2008

To Whom It May Concern:

Aloha,

This is a letter regarding the Sunset Beach Site Development Plan for the City and County Park that is below Sunset Beach Elementary School. We, the School Community Council of Sunset Beach Elementary School, have had the opportunity to look over the three plans and to discuss the one which fits our school and students best. We came to an agreement on Alternative Plan 1, which keeps the location of the courts the same.

These are the reasons that we support this plan:

1. SAFETY: The areas that now exist are perfect for our students to have the basketball courts, volleyball courts to use during the day for recess as well as PE activities. This way the adults, teachers and staff of the school, have a better range to keep and maintain our students in a SAFE area where our eyes can keep a close watch on them. We appreciate that the school and City and County are partners in use of the public facilities of the park. Our school has a very small space to enjoy running around and having a larger place for recess and PE activities.
2. NOISE: If the plan were to change to having the tennis courts where the basketball courts are, it would disturb both classrooms in D building and offices in the new administration building.
3. STUDENTS: These are the ones that use the public facilities. For years the current arrangement has worked for both students and faculty.

We hope that you will take into consideration our input to support the Alternative Plan 1. We want to keep our children as safe as possible. We thank you for giving us the chance and opportunity to comment on the Site Development Plan.

With sincere appreciation,


Pua Ellmore
Chairperson
School Community Council

TC 116
Redd
10/29/08
Rina

AN AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY EMPLOYER

Pent



STATE OF HAWAII
DEPARTMENT OF EDUCATION
SUNSET BEACH ELEMENTARY

52-365 KAHANAHANA HIGHWAY
HALEIWA, HAWAII 96712
Phone: (808) 498-8777 • Fax: 898-3789

December 22, 2008

Mr. Howard Koza, Project Coordinator
Design Branch B, Facilities Division
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Koza:

Subject: Sunset Beach Neighborhood Park
Site Development Plan

Thank you for your letter of December 11 regarding the revised site development plan. I have shared the letter and the revised plan with our School Community Council members and other members of our school staff and school community.

We are grateful that you have revised the plan to reflect the reconstructed play courts will maintain the same configuration as the existing play courts. We believe that this plan will best serve the school and will provide access to all of our community as well. The upgrades to the play courts and the added accessibility features are needed and will be a great asset to the community and the school.

Thank you to all of the representatives from the Department of Parks and Recreation who attended our meeting on October 17 for their kind consideration of our concerns.

Sincerely,

Ruth Holmberg
Principal

C. FarEn, Inc. dba Park Engineering/Mr. Russell Arahaki
Sunset Beach School Community Council/Mrs. Pua Elnore

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 768-8000 • FAX: (808) 527-6743
INTERNET: www.honolulu.gov • DEPT. WEB SITE: www.honolulupg.org



MUFU HANNEMANN
SAYOR

HENRY ERG, FAICP
DIRECTOR

DAVID K. TANIGUE
DEPUTY DIRECTOR

2008/ELOG-2132 (JL)

October 7, 2008



Mr. Gerald Park, Consultant
95-595 Kanamee Street, #324
Milliani, Hawaii 96789

Dear Mr. Park:

Subject: Draft Environmental Assessment (DEA)
Sunset Beach Neighborhood Park
59-350 Kamehameha Highway - Pupukea
Tax Map Key 5-9-5: 70

We have reviewed the Draft Environmental Assessment (EA) submitted on August 28, 2008, for a proposed upgrade of an existing recreation facility, including the children's play area at the Sunset Beach Neighborhood Park, and have the following comments. Please address or incorporate them in the Final EA.

Planning Division

1. The proposed improvements to replace deteriorating park facilities to meet recreation and accessibility requirements and to improve drainage will not require an amendment of the North Shore Public Infrastructure Map. The Draft EA indicates the play equipment may not be replaced. We recommend the replacement of the children's play apparatus or an explanation in the EA on why it will not be replaced.

If there are questions regarding the above comments, please contact Randy Hara of the Policy Branch at 768-8041.

Zoning Regulations and Permits Branch

1. A Major Special Management Area (SMA) Use Permit will be required based on the total valuation provided in the DEA; i.e., because the project valuation exceeds \$125,000.
2. Please include a separate section in the Final EA which describes the SMA objectives and policies pursuant to Section 25-3.1, Revised Ordinances of Honolulu (ROH), and how the proposed Master Plan improvements meet those objectives and policies.

Mr. Gerald Park
October 7, 2008
Page 2

3. There are a number of trees that are proposed to be removed at the site; therefore, please discuss in the Final EA any potential impacts from possible visual, screening, or shade loss at various areas, and how the impact may be mitigated. All three site plans in the DEA indicate the trees to be removed are adjacent to the basketball courts; however, under the site plan for Alternative No. 3, the trees appear to be near the tennis courts instead.

4. A grading permit may be required. The Final EA should confirm the volume of grading and excavation in cubic yard, and present the specifics of the Best Management Practices (BMP) to minimize runoff during the construction period.

Please contact Jenny Lee of our staff at 768-8027, if you have any questions, regarding the above comments.

Very truly yours,

Henry Erg, FAICP, Director
Department of Planning and Permitting

HE:nt

cc: Clifford Lau, DDC

GLandUse/Fosse/WorkingDirectory/Jenny/2008/ELOG-2132



Mr. David K. Tanoue
 Sunset Beach Neighborhood Park
 March 20, 2009
 Page 2

In contrast to the other alternatives, alternative No. 3 proposes two tennis courts where the existing basketball courts are and the existing silver buttonwood trees on the steep slope next to the existing basketball courts will be removed as needed for construction of the proposed tennis courts.

Note 6 on the alternative No. 3 site plan (Figure 9) will be revised to reference "tennis courts" instead of "basketball courts".

4. We acknowledge that a grading permit may be required for the various projects identified in the site development plan.

Grading quantities are estimated to be 2,000 cubic yards of embankment and 500 cubic yards of excavation.

Temporary earth berms, sediment traps and basins, grass swales and other structural Best Management Practices (BMPs) will be implemented to minimize runoff, soil erosion, and sediment transport during the construction period. These structural BMPs are identified in the Best Management Practices Manual for Construction Sites prepared by the Department of Environmental Services, City and County of Honolulu dated May 1999, as amended and in the Rules Relating to Soil Erosion Standards and Guidelines, prepared by the Department of Planning and Permitting, City and County of Honolulu, dated April 1999, as amended.

We thank the Department of Planning and Permitting for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: H. Koza, DDC-FD
 R. Arakaki, PEI



March 20, 2009

Mr. David K. Tanoue, Interim Director
 Department of Planning and Permitting
 City and County of Honolulu
 650 South King Street
 Honolulu, Hawaii 96813

Dear Mr. Tanoue:

Subject: Sunset Beach Neighborhood Park
 Tax Map Key: S-9-005; 070
 Pupukea, District of Koolauloa, Oahu
 2008/ELOG-2132 (JL)

Thank you for reviewing and commenting on the Draft Environmental Assessment prepared for the subject project. Our responses are provided in the order your comments were presented.

Planning Division

1. We acknowledge that the proposed improvements to replace deteriorating park facilities to meet recreational and accessibility requirements and to improve drainage will not require an amendment to the North Shore Public Infrastructure Map.

The children's play apparatus will be replaced. The site of the children's play apparatus will be shown on Figure 3, Site Development Plan in the Final Environmental Assessment.

Zoning Regulations and Permits Branch

1. We acknowledge that a Major Special Management Area Permit will be required. An SMA Permit application will be submitted to your office after a final determination is made for the environmental assessment.

2. A separate section will be included in the Final Environmental Assessment to describe the SMA objectives and policies pursuant to Section 25-3.1 of the Revised Ordinances of Honolulu (ROH).

The proposed removal of existing trees at the basketball court was discussed with the Department of Parks and Recreation (DPR) and they indicated that the steep slope condition, tree leaves, flowers, and seeds falling onto the playcourts are a major maintenance problem and can interfere with play. It was recommended that new replacement trees be planted in the vicinity of the picnic tables and near the ballfields. The area between the playcourt and pavilion will be used for drainage so the area should be open to dry out. There are many existing trees in the park fronting Kamehameha Highway that provides a feeling of separation from the interior park facilities.

GERALD PARK

Urban Planner
 Planning
 Land Use
 Research
 Environmental
 Studies

1221 Kapiolani Blvd.
 Suite 211
 Honolulu, Hawaii
 96814

Telephone:
 (808) 596-7484
 Facsimile:
 (808) 596-7485

e-mail:
 gpark@urbanplanner
 @hawaii.net

DEPARTMENT OF FACILITY MAINTENANCE
CITY AND COUNTY OF HONOLULU

1000 Ulukouia Street, Suite 215, Kapolei, Hawaii 96707
Phone: (808) 768-3343 • Fax: (808) 768-3381
Website: www.honolulu.gov



MUJI HANNEMANN
MAYOR

CRAIG I. NISHIMURA, P.E.
DIRECTOR AND CHIEF ENGINEER
GEORGE "KEDDY" MIYAMOTO
DEPUTY DIRECTOR

IN REPLY REFER TO:
DRAM 08-8339

October 6, 2008



Mr. Gerald Park
Gerald Park Urban Planner
95-595 Kanamee Street #324
Milliani, Hawaii 96789

Dear Mr. Park:

Subject: Draft Environmental Assessment (DEA)
Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005:070
Pupukea, District of Koolauloa, Oahu

Thank you for the opportunity to review and comment on the subject DEA dated August 2008 for the site development plan for proposed improvements to Sunset Beach Neighborhood Park.

We have no comments to offer as the proposed improvements will be within property under the jurisdiction of the City's Department of Parks and Recreation and will have negligible impact to our facilities and operations.

Should you have any questions, please call Charles Pignataro of the Division of Road Maintenance, at 768-3697.

Sincerely,

Craig I. Nishimura, P.E.
Director and Chief Engineer



March 20, 2009

GERALD PARK
Urban Planner

Planning
Land Use
Research
Environmental
Studies

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

Telephone:
(808) 596-7484
Facsimile:
(808) 596-7485
e-mail:
gparkurbanplanner
@hawaiiainet.net

Mr. Jeffrey Cudiamat, Director and Chief Engineer
Department of Facility Maintenance
City and County of Honolulu
1000 Ulukouia Street, Suite 215
Kapolei, Hawaii 96707

Dear Mr. Cudiamat:

Subject: Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005: 070
Pupukea, District of Koolauloa, Oahu

Thank you for your letter of October 6, 2008 and for reviewing and commenting on the Draft Environmental Assessment prepared for the subject project.

We acknowledge that the proposed improvements will be within property under the jurisdiction of the City's Department of Parks and Recreation and will have negligible impacts to the City Department of Facility Maintenance facilities and operations.

We thank the Department of Facility Maintenance for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: H. Koza, DDC-FD
R. Arakaki, PEI



LAURA B. THIELER
 BOARD OF LAND AND NATURAL RESOURCES
 CHAIRPERSON
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 601 KAMOKILA BOULEVARD, ROOM 535
 KAPOLEI, HAWAII 96707

STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES

STATE HISTORIC PRESERVATION DIVISION
 601 KAMOKILA BOULEVARD, ROOM 535
 KAPOLEI, HAWAII 96707

November 20, 2008

Mr. Gerald Park Urban Planner
 95-595 Kanamee Street, #324
 Mililani, Hawaii 96789

Dear Mr. Park:

LOG NO: 2008.3862
 DOC NO: 0811WT133
 Archaeology

**SUBJECT: 6E-8 Historic Preservation Review—
 Draft Environmental Assessment for Sunset Beach Neighborhood Park Site
 Development Plan, Puhukoa, District of Ko'olanoua, O'ahu, Hawaii**
TMK: (1) 5-9-005: 070

Thank you for the opportunity to review the aforementioned Draft Environmental Assessment (DEA) for the Sunset Beach Park improvements. We received this DEA on August 28, 2008. We apologize for the delay in reviewing this document within the allotted time period, as we were short staffed. This document addresses improvements to recreation facilities at Sunset Beach Park, including erecting backstops on the softball fields and removing and replacing the tennis and basketball courts.

Sunset Beach Park is located in a beach environment whose soil classification is Jaucas sands (Foote *et al.* 1972). Jaucas sands are classified as sand deposits found on and near beaches deposited by wave or wind action. It is known that pre-contact Native Hawaiians frequented the beaches on all islands, where they built habitations, fished, performed ceremonies, and buried their dead. This particular locale and soil type are considered archaeologically sensitive. As the areas of the beach park that will be impacted have never been archaeologically surveyed, there may be buried archaeological deposits beneath the tennis and basketball courts. This project should use precautionary monitoring in the event that human remains are revealed, and to document any historic properties (cultural layers, midden) that may appear during work. This will require the development of an Archaeological Monitoring Plan by a licensed archaeological contractor which sets out the protocols for archaeological monitoring. This plan will need to be reviewed by SHPD before commencement of the project.

Therefore we determine that **historic properties may be affected** by this project.

Please call Wendy Tolleson at (808) 692-8024 if you have any questions or concerns regarding this letter.

Aloha,

Nancy A. McMahon

Nancy McMahon, Deputy SHPO/State Archaeologist
 and Historic Preservation Manager



DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 525-4600 Fax: (808) 708-4587
Web site: www.dcd.hawaii.gov



MUFI HANNEIMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR
RUSSELL H. TAKEDA, P.E.
DEPUTY DIRECTOR

289707

December 4, 2008

Ms. Nancy McMahon, Deputy SHPO
State Archaeologist and Historic Preservation Manager
Department of Land and Natural Resources
State of Hawaii
601 Kamokila Boulevard, Room 555
Kapolei, Hawaii 96707

Dear Ms. McMahon:

Subject: 6E-8 Historic Preservation Review
Draft Environmental Assessment for Sunset Beach Neighborhood Park Site
Development Plan, Pupukea, District of Ko'olaupua, O'ahu, Hawaii
TMK: (1) 5-9-005: 070

Thank you for your response on the Draft Environmental Assessment (DEA) for
Sunset Beach Neighborhood Park, dated November 20, 2008.

We understand SHPD determined that historic properties may be affected as the
playcourt area has never been archaeologically surveyed. As discussed with your staff,
the following information is provided. Enclosed is a geotechnical engineering
exploration report prepared for the proposed reconstruction of the existing playcourts.
The six borings performed around the playcourts to depths up to 16 feet found the soil
to be silty clay. The proposed playcourt reconstruction will be at the existing playcourt
grades or higher.

Ms. Nancy McMahon, Deputy SHPO
State Archaeologist and Historic Preservation Manager
December 4, 2008
Page 2

Please contact Mr. Howard Koza, Civil Engineer of the Facilities Division, at
768-8403 if you have any questions.

Very truly yours,

FOREugene C. Lee, P.E.
Director

ECL:kd

Enclosures

c: Mr. Gerald Park, Urban Planner ✓
Ms. Wendy Tolleson



LAWA L. THORLEN
 BOARD OF SUPERVISORS
 COMMISSION ON WATER RESOURCES MANAGEMENT

KENSHELL Y. TEJUKI
 FRESH WATER

KEN C. KAWABARA
 RESIDENTIAL WATER

STATE RESOURCES
 DIVISION
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 601 KAMOLELA BOULEVARD, ROOM 555
 HONOLULU, HAWAII 96813

STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 STATE HISTORIC PRESERVATION DIVISION
 601 KAMOLELA BOULEVARD, ROOM 555
 HONOLULU, HAWAII 96813

February 3, 2009

Mr. Howard Koza
 City and County of Honolulu
 Department of Design and Construction
 650 South King Street, 11th Floor
 Honolulu, Hawaii 96813

Dear Ms. Koza:

SUBJECT: Chapter 6E-8 Historic Preservation Review--
 Continuing Consultation--
 DRAFT Environmental Assessment for the Sunset Beach Neighborhood Park Site
 Development Plan, Pupukea Ahupua'a, District of Ko'olaupua, O'ahu, Hawaii
 TMK: (1) 5-9-005; 0704

Thank you for providing the opportunity to review the enclosed *Geotechnical Engineering Exploration, Sunset Beach Neighborhood Park, Haleiwa, O'ahu, Hawaii* (July 26, 2006) as well as review our requirements for an Archaeological Inventory Survey (AIS). We received this document on December 8, 2008.

We have not changed our position on the requirement for an AIS to be conducted for this project. While the geotechnical boring report is interesting, suggesting that the soils underlying the project area are mainly a silty-clay, there is still the presence of sandy soils and organic material in the drill logs, particularly in Boreholes #3 and #4. Because these are the closest to the beach, it suggests that Jaucas sands may be present within the project area. Also, the geotechnical assay of the project area was limited to six boreholes widely spaced, not enough coverage to reassure this office that cultural deposits or burials are not present. Additionally, based on the results of the AIS, the project may have to conduct precautionary monitoring during ground disturbing activities.

Please review Hawaii's Administrative Rules (HAR) §13-13-276 *Rules Governing Standards for Archaeological Inventory Surveys and Reports* for guidance in preparing a plan. The SHPD website also lists a number of archaeological contractors who can perform the AIS.

Please contact Wendy Tolleson at (808) 692-8024 if you have any questions or concerns regarding this letter.

Ms. Howard Koza
 Page 2

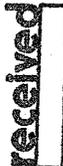
Aloha,

Nancy A. McMahon

Nancy A. McMahon (Deputy SHPO)
 State Historic Preservation Officer

Cc: Mr. Gerald Park
 95-595 Kaniamee Street, #324
 Honolulu, Hawaii 96789

Mr. Eugene C. Lee, P. E., Director
 Department of Design and Construction
 City and County of Honolulu





LAURA H. SWINLEY
GOVERNOR OF HAWAII

LAND AND NATURAL RESOURCES
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCES MANAGEMENT

BRISSELL Y. TSE
DEPUTY DIRECTOR - WATER

KUN C. KAWARARA
DEPUTY DIRECTOR - WATER

PLANNING RESOURCES
DIVISION OF CONSERVATION
COMMISSION ON WATER RESOURCES
CONSERVATION AND CULTURAL LANDS
DIVISION OF CONSERVATION
HISTORIC PRESERVATION
KAMUKOLA ISLAND RESERVE COMMISSION
STATE PARKS

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE HISTORIC PRESERVATION DIVISION
601 KAMOKILA BOULEVARD, ROOM 555
KAPOLEI, HAWAII 96707

February 23, 2009

Mr. Howard Koza
City and County of Honolulu
Department of Design and Construction
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

LOG NO: 2009 1019
DOC NO: 0902WT43
Archaeology

Dear Ms. Koza:

SUBJECT: Chapter 6E-8 Historic Preservation Review--
Continuing Consultation--
DRAFT Environmental Assessment for the Sunset Beach Neighborhood Park Site
Development Plan, Pupukea Ahupua'a, District of Ko'olaupua, O'ahu, Hawaii
TMK: (1) 5-9-005: 0704

received
2-27-09

Thank you for providing the opportunity to continue consultation regarding the construction of a new tennis court at the Sunset Beach Neighborhood Park. New information regarding the underlying matrix of the tennis court has been provided, revealing that there is a base of gravel at least 4" to a 1" in depth (phone conversation with Mr. Stephen D. Clark of Pacific Consulting Service, Inc (PCSI), February 23, 2009). Plans provided by the City Engineering department reveal that this is indeed the case.

Originally, in reviewing the DEIS for this project we requested that the construction be archaeologically monitored as technical borings of the surrounding edges of the old tennis court revealed little to no Jacas sands or other archaeological sensitive soils (LOG NO: 2008.3862/DO811WT33), however, once the full technical report was reviewed, it was apparent that some organically laced sand was present in two of the boreholes closest to Kamehameha Highway and the beach beyond. We then requested that an archaeological inventory survey (AIS) be performed (LOG NO: 2008.5541/DOC NO: 0902WTO9).

In lieu of the additional data regarding the base under the tennis courts, we now recommend that archaeological monitoring on an on-call basis during the construction of the tennis court be performed. Additionally, on-site monitoring will commence with the construction of the practice wall, as depths of excavation for this wall may reach or exceed 2".

We recommend that the City work with their contractor, in developing an Archaeological Monitoring Plan (AMP) for this project, for submittal and review by this office. Please review Hawaii Administrative Rules (HAR) §13-13-279 *Rules Governing Standards for Archaeological Monitoring Studies and Reports for guidance in preparing a monitoring plan.*

Please contact Wendy Tolleson at (808) 692-8024 if you have any questions or concerns regarding this letter.

Ms. Howard Koza
Page 2

Aloha,

Nancy A. McMahon

Nancy A. McMahon (Deputy SHPO)
State Historic Preservation Officer

Cc: Mr. Gerald Park
95-595 Kaniamee Street, #324
Honolulu, Hawaii 96789

Mr. Eugene C. Lee, P. E., Director
Department of Design and Construction
City and County of Honolulu



March 20, 2009

GERALD PARK
Urban Planner

■

Planning
Land Use
Research
Environmental
Studies

■

1221 Kapiolani Blvd.
Suite 211
Honolulu, Hawaii
96814

■

Telephone:
(808) 596-7484

Facsimile:

(808) 596-7485

e-mail:

gparkurbanplanner
@hawaiiplanet.net

Ms. Puaaloakalani Aiu, Administrator
Historic Preservation Division
Department of Land and Natural Resources
State of Hawaii
601 Kamehika Boulevard, Room 555
Kapolei, Hawaii 98707

Dear Ms. Aiu:

Subject: Sunset Beach Neighborhood Park
Tax Map Key: 5-9-005: 070
Pupukea, District of Koolauloa, Oahu
LOG NO: 2008.3862
DOC NO: 0811WT33

Thank you for your letter of November 20, 2008 and for reviewing and commenting on the Draft Environmental Assessment prepared for the subject project. In your comment letter, it was your determination that historic properties may be affected by the project. Subsequent to that determination the Department of Design and Construction (DDC) and the State Historic Preservation Division (SHPD) engaged in meaningful dialogue and exchange of information to ascertain underground conditions at the park.

Geotechnical boring logs provided by the DDC were carefully analyzed by your staff after which SHPD recommended that an archaeological inventory survey be performed (SHPD Correspondence of February 3, 2009, LOG NO: 2008.5541/DOC NO: 0902WT09). DDC then provided engineering drawings revealing that the underlying soil matrix at the tennis courts consists of base course at least 4" to 12" in depth. With this added information, SHPD is now recommending that an archaeological inventory survey is not required and archaeological monitoring be performed on an on-call basis during the construction of the tennis courts and on-site monitoring for excavations that exceed 2-feet (SHPD Correspondence of February 23, 2009, LOG NO: 2009.1019/DOC NO: 0902WT43).

The DDC will comply with this recommendation and conduct archaeological monitoring as recommended by SHPD during the construction of park improvements. An Archaeological Monitoring Plan will be prepared and submitted to SHPD for review and approval prior to commencement of the park improvements.

We thank the State Historic Preservation Division for participating in the environmental assessment review process.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park

c: H. Koza, DDC-FD
R. Arakaki, PEI

APPENDIX B

NOTES FROM MEETING WITH DEPARTMENT OF EDUCATION
OCTOBER 17, 2008



Suite 1500, Pacific Park Plaza □ 711 Kapiolani Boulevard; Honolulu, Hawaii 96813 □ Telephone (808) 593-1676 □ Facsimile (808) 593-1607

ParEn, Inc. □ dba **park engineering**

MEETING NOTES

Subject: Sunset Beach Neighborhood Park
Draft Environmental Assessment (DEA)
Site Development Plan

Date: Friday, October 17, 2008

Time: 1:30 PM to 3:00 PM

Place: Sunset Beach Elementary School

Participants: Wilfred Ho, Department of Parks and Recreation (DPR)
Miles Hazama, DPR
Tiffany, Kaleikini, DPR
Howard Koza, Department of Design and Construction (DDC)
Heidi Meeker, Department of Education (DOE), Facilities Develop. Branch
Ruth Holmberg, DOE, Sunset Beach Elementary School (SBEC)
Jim Frisbie, DOE, SBES
Leonora Galiza, DOE, SBEC
Russell Arakaki, Park Engineering

The purpose of the meeting was to:

1. Consult with the Department of Education and Sunset Beach Elementary School staff on the proposed improvements for Sunset Beach Neighborhood Park, and
2. Discuss the comments and concerns the City and County of Honolulu received from the Department of Education and Sunset Beach Elementary School (letters dated October 6, 2008) on the Draft Environmental Assessment for Sunset Beach Neighborhood Park, Site Development Plan.

Discussion:

1. R. Arakaki provided a general description of the proposed park improvements including the three (3) alternative layouts of the park improvements. The preferred park improvement plan is shown on Figure 3 of the DEA. The alternative layouts of the park improvements are shown on Figure Nos. 7, 8 and 9 of the DEA.
2. The DOE and SBES reiterated their comments and concerns regarding the proposed park improvements and the potential impact to the school's use of the park, the safety of the children and the potential noise impacts. The DOE's primary concern is for the safety of the children.

3. The preferred park improvement plan (Figure 3) meets the needs and objectives of the DPR, which includes:
 - a. Improvements to the drainage conditions between the existing tennis courts, comfort station and pavilion,
 - b. Provide adequate space and clearances between the various recreational activities,
 - c. Improve the accessibility of the park improvements, and
 - d. Overall improvements to the park facilities.
4. The DOE strongly recommends keeping the location of the tennis, basketball and volleyball courts in their present location for reasons cited in their letters. The DOE's preferred layout is shown on Figure 7, Site Development Plan - Alternative No. 1. The proposed concrete tennis practice wall will also have less of a visual impact.
5. The ball field area is primarily used by children in Kindergarten to 2nd grade. The basketball courts and volleyball court are primarily used by children in 3rd grade to 6th grade. The school has obtained a permit from the DPR to use these areas of the park:
 - a. Before school from 7:20 AM to 7:50 AM, Monday through Friday,
 - b. During first recess from 9:30 AM to 9:45 AM, Monday through Friday,
 - c. During lunch and second recess from 11:30 AM to 12:15 PM, 4 days a week,
 - d. During physical education classes at various times, Monday through Friday, and
 - e. After school for the A-Plus Program from 2:05 PM to 5:30 PM, Monday through Friday.
6. The grassed area next the existing volleyball court is used to play volleyball for the physically challenged students. This area is also used for their May Day program and other special events.
7. The park improvement project will require a Special Management Area (SMA) Permit from the City Department of Planning and Permitting (DPP). The DPP will schedule a public hearing to solicit comments during the SMA permit application review process.
8. Discussed the anticipated schedule for the project:
 - a. Publish the Final Environmental Assessment December 2008
 - b. SMA Permit 2009
 - c. Design the Reconstruction of Playcourts 2009 - 2010
 - d. Solicit Bids for the Reconstruction of Playcourts 2010 or 2011
 - e. Reconstruction of Playcourts 2011 to 2012
 - f. The softball fields and other miscellaneous improvement projects will commence as funding becomes available.

The schedule for design, bidding, and construction of the playcourt reconstruction project is subject to change and is contingent on funding.

9. SBES will provide comments from the Parent Teacher Community Association (PTCA) and School Community Council (SCC).
 10. The DPR and DDC staff will consider the DOE's and Sunset Beach Elementary School's comments and concerns and re-evaluate the layout of the proposed park improvements.
 11. The City will provide the DOE and Sunset Beach Elementary School with five (5) to six (6) copies of the revised Site Development Plan prior to issuing the Final Environmental Assessment.
-