

LINDA LINGLE  
GOVERNOR



OFFICE OF THE SUPERVISOR  
DEPT OF HEALTH

RUSS K. SAITO  
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STATE OF HAWAII 7 OCT 23 A7:58  
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES

P.O. BOX 119, HONOLULU, HAWAII 96810

OCT 22 2007

PM-1063.7

Mr. Laurence K. Lau  
Acting Director  
Office of Environmental Quality Control  
235 South Beretania Street, Suite 702  
Honolulu, Hawaii 96813

Dear Mr. Lau:

Subject: Draft Environmental Assessment (DEA) for  
Hanapepe Public Library Expansion  
TMK (4) 1-9-06: 14 and 29  
Hanapepe, Kauai

RECEIVED  
07 OCT 23 P3:20  
OFFICE OF ENVIRONMENTAL  
QUALITY CONTROL

The State Department of Accounting and General Services has reviewed the comments received during the 30-day public comment period which began on March 23, 2007. The agency has determined that this project will not have significant environmental effects and has issued a FONSI. Please publish this notice in the next available OEQC Environmental Notice.

We have enclosed a completed OEQC Publication Form and four copies of the final EA. A copy of the revised summary has been emailed to your office.

Please call Nadine K. Nakamura (NKN Project Planning) at 822-0388 if you have any questions on the preparation of the Final Environmental Assessment and David S. D. Chung (DAGS, DPW, Project Coordinator) at 586-0464 for project management action.

Very truly yours,

ERNEST Y. W. LAU  
Public Works Administrator

DC/si

Encl.

c: (w/o encl.)

- (1) HSPLS/ASO
- (2) DAGS Kauai District Office
- (3) Mitsunaga & Associates, Inc.

**Final Environmental Assessment**

Submitted Pursuant to Hawai'i Revised Statutes,  
Chapter 343

**Hanapēpē Public Library Expansion**

Hanapēpē, Kaua'i, Hawai'i

Tax Map Key: (4) 1-9-06: 14 and (4) 1-9-06:29

DAGS Job No: 14-36-6365

Applicant:

**Department of Accounting and General Services**

Project Management Branch

1151 Punchbowl Street, Room 427

Honolulu, HI 96810-0119

**NKN Project Planning**

August 2007

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## **1.0 PROJECT DESCRIPTION**

### **1.1 Location**

The Hanapēpē Public Library is located in the district of Kona on the island of Kaua'i. The property is bounded to the north by Kaumuali'i Highway, to the west is Kona Road, and to the south is Kuiloa Road.

The library site consists of two parcels: Tax Map Key (4) 1-9-06:14 (9750 sq. ft.) and (4) 1-9-06:29 (9750 sq. ft.) totaling 19,500 square feet in size. Location and parcel maps are found in **Exhibit 1** and **Exhibit 2** respectively.

The library site is in close proximity to the Hanapepe River and is located within the 100 year flood boundary. The library is located approximately one-half mile south of historic Hanapepe town core, and about 18 miles from Lihue.

### **1.2 Proposed Action**

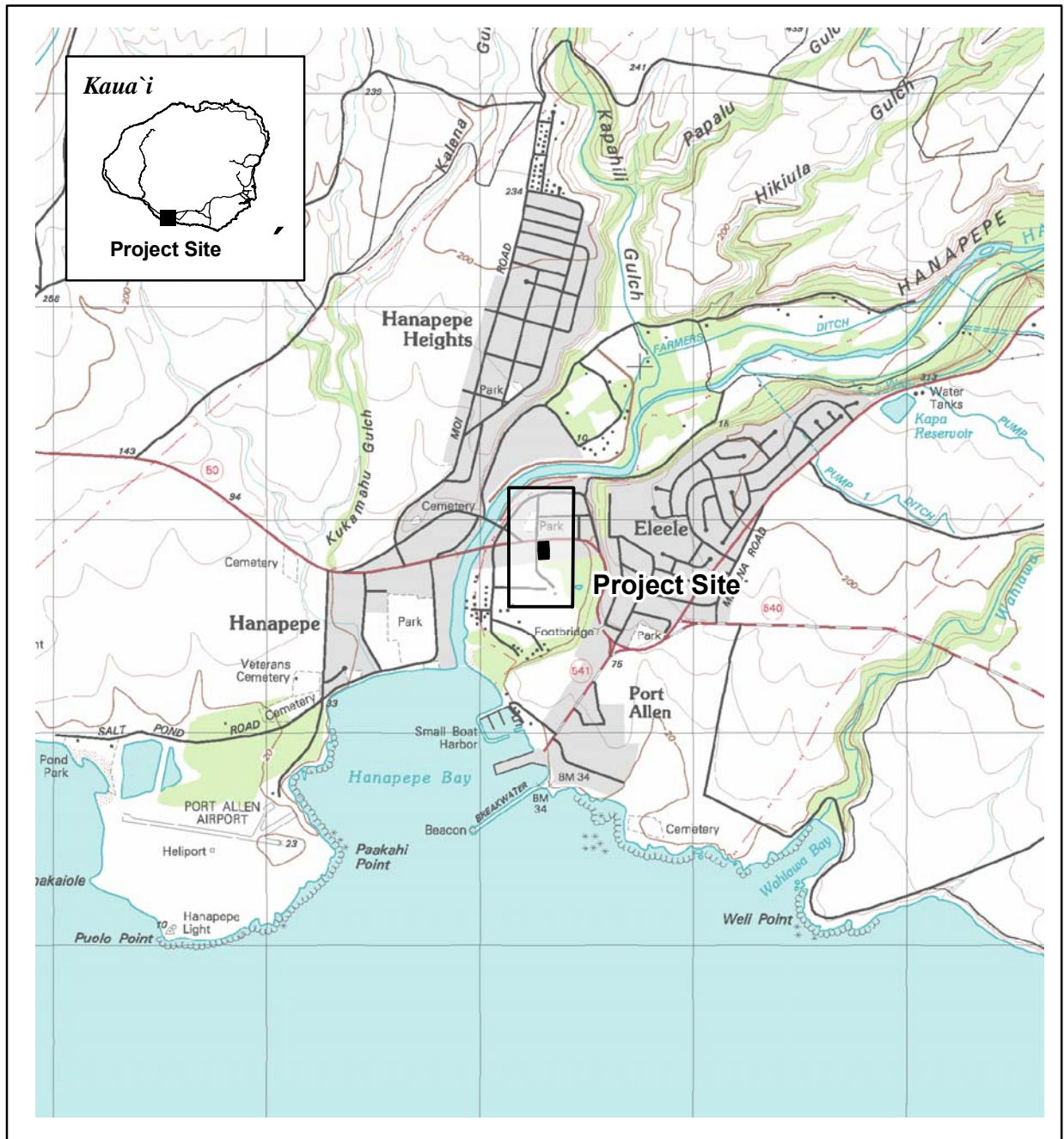
The State of Hawai'i, Department of Accounting and General Services is proposing to expand the Hanapepe Library. The work involves demolition of a portion of the existing building, site improvements, interior renovations to accommodate the expanded library, adding additional parking, and other related work. The work involves:

- Improvements for staffing and operational efficiencies
- Compliance with Americans with Disabilities Accessibility Guidelines
- Designed as an inviting space with public image and visibility
- Sensitivity to the historic nature of the surrounding Hanapepe Town and design guidelines
- Expansion of the workroom, program meeting room, public restrooms, and books/reading room areas as follows:
  - Current library area                      4086 square feet
  - Expanded library area                      2210 square feet
  - New total library area                      6296 square feet

In addition to the expanded library facilities, the parking stalls will be increased from 9 to 13 stalls, including one ADA accessible stall.

### **1.3 Environmental Review Trigger**

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

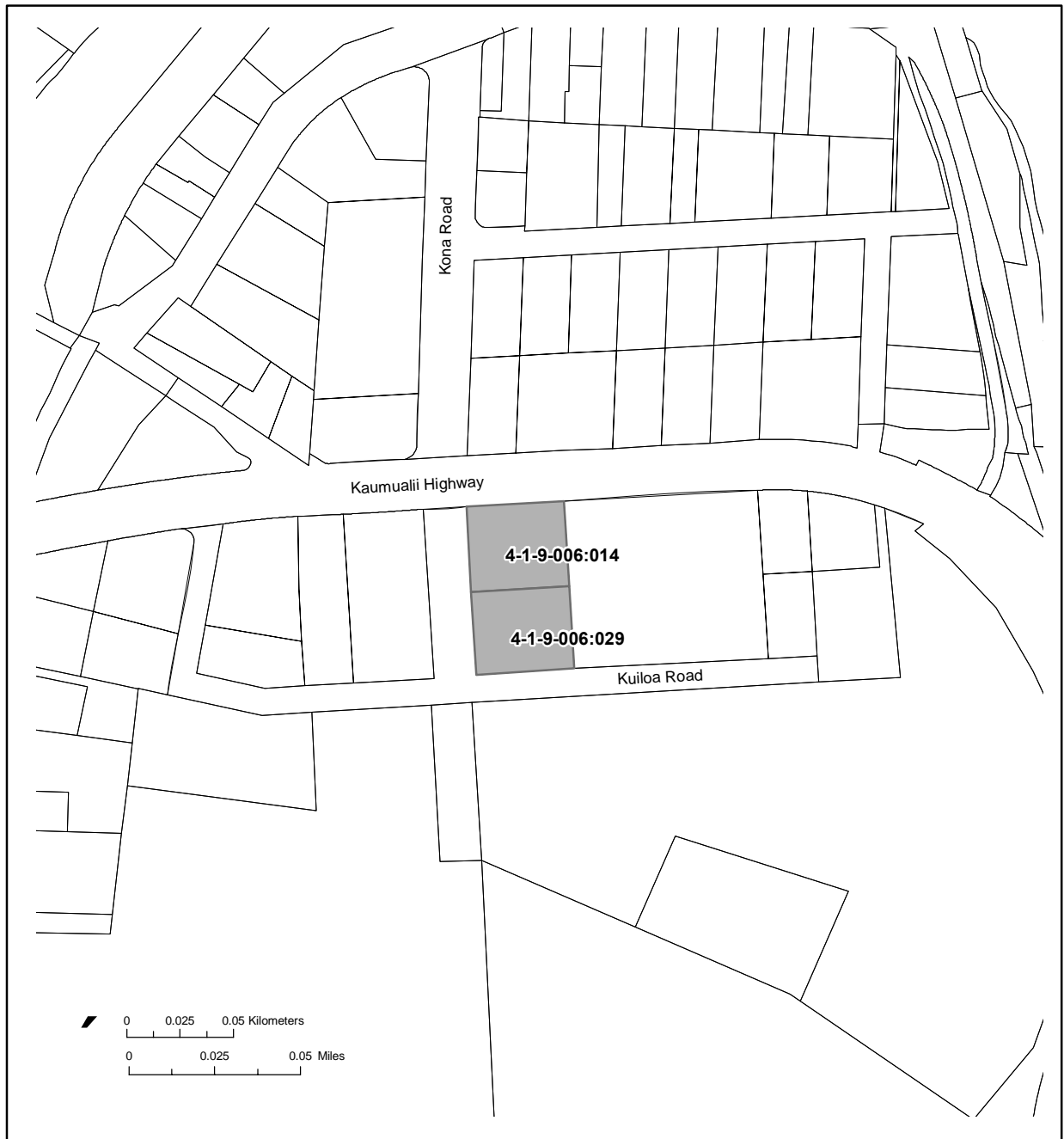


## Hanapēpē Public Library Expansion

Use Permit, Variance, and Class IV Zoning Permit

Prepared by  
**NKN Project Planning**

Exhibit 1  
**Location Map**



**Hanapēpē Public Library Expansion**  
 Use Permit, Variance, and Class IV Zoning Permit

Prepared by  
**NKN Project Planning**

Exhibit 2  
**Parcel Map**

## **1.4 Land Use**

The State Land Use is *Urban*. The County of Kaua'i General Plan land use designation is *Residential Community* and *Open*. State Land Use District and General Plan maps are found in **Exhibits 3 and 4** respectively.

As shown in **Exhibit 5**, the zoning on the subject parcels is *Residential District (R-1)* and *Special Treatment District-Public (ST-P)*. In the Residential District, libraries are determined to be uses and structures that require a Use Permit.

The purpose of the Special Treatment District (ST)<sup>1</sup> is

- (a) To designate and guide development of County areas which because of unique or critical cultural, physical or locational characteristics have particular significance or value to the general public; and*
- (b) To insure that development within those areas recognize, preserve, maintain and contribute to the enhancement of those characteristics which are of particular significance or value to the general public.*

Public Facilities (ST-P) include all public and quasi-public facilities, such as libraries and are used by the general public or which tend to serve as gathering places for the general public.

## **1.5 Project Schedule, Permits Required and Approximate Costs**

The preliminary schedule and permits for the project include:

- Draft & Final Environmental Assessment 1<sup>st</sup> & 3<sup>rd</sup> Qtr 2007
- Use Permit, Variance, & Class IV Permit 4<sup>th</sup> Qtr 2007
- Building Permit 1<sup>st</sup> Qtr 2008
- Construction Begins 2<sup>nd</sup> Qtr 2008
- Completion 2<sup>nd</sup> Qtr 2009

The total cost of improvements is estimated at \$1.2 - \$1.45 million dollars.

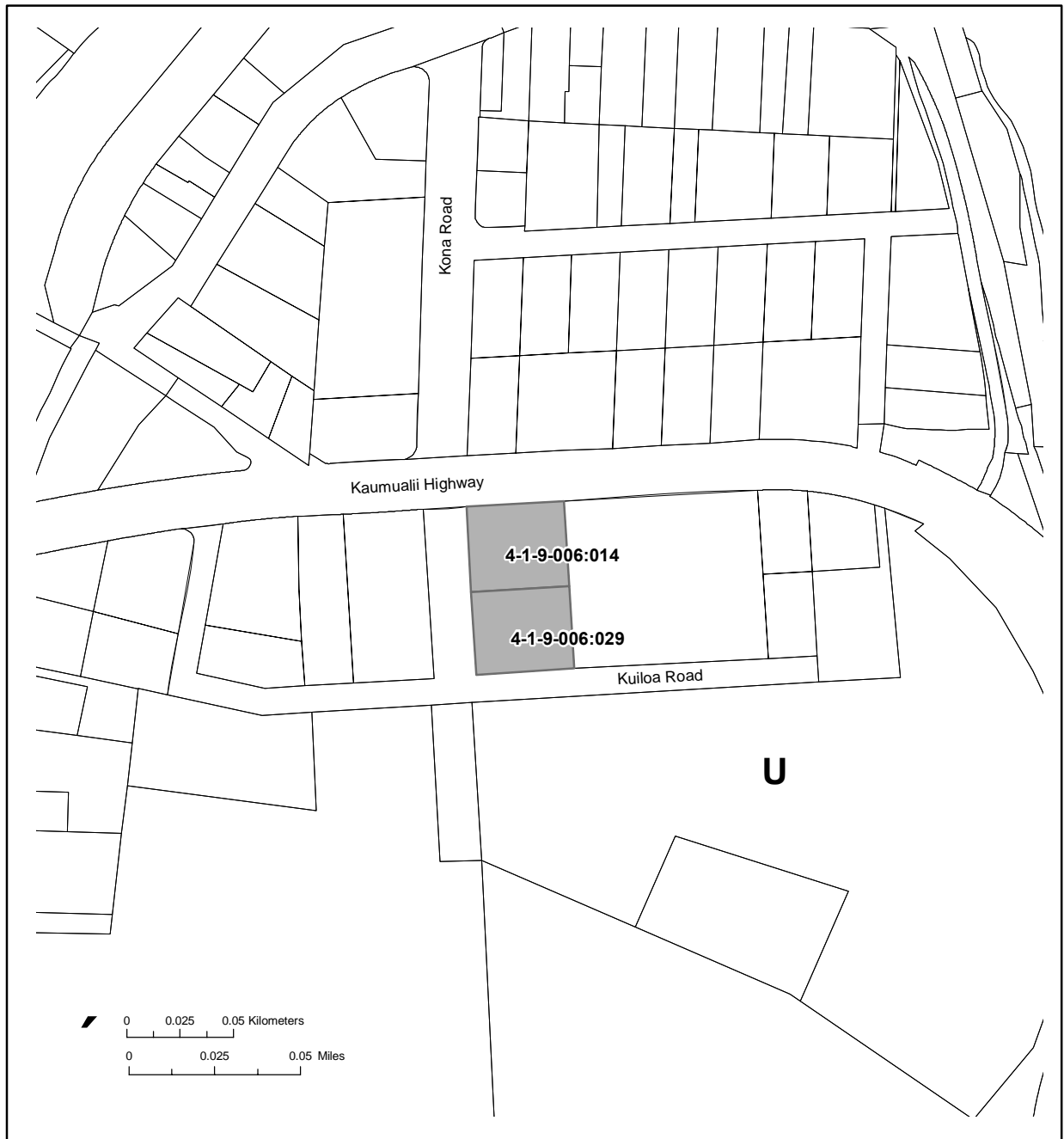
## **1.6 Technical Characteristics and Public Services**

### Library Services

The Hanapēpē Public Library is one of six public libraries on Kaua'i and serves the library needs of residents from Kalaheo to Kaumakani. The existing library encompasses 4086 square feet of space for collections, computers, staff work space, and service/maintenance areas. The current facility and parking area is shown in **Exhibit 6**.

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<sup>1</sup> County of Kaua'i, Comprehensive Zoning Ordinance, Sec. 8-9.1.



**Hanapēpē Public Library Expansion**  
 Use Permit, Variance, and Class IV Zoning Permit

Prepared by  
**NKN Project Planning**

Exhibit 3  
**State Land Use Map**

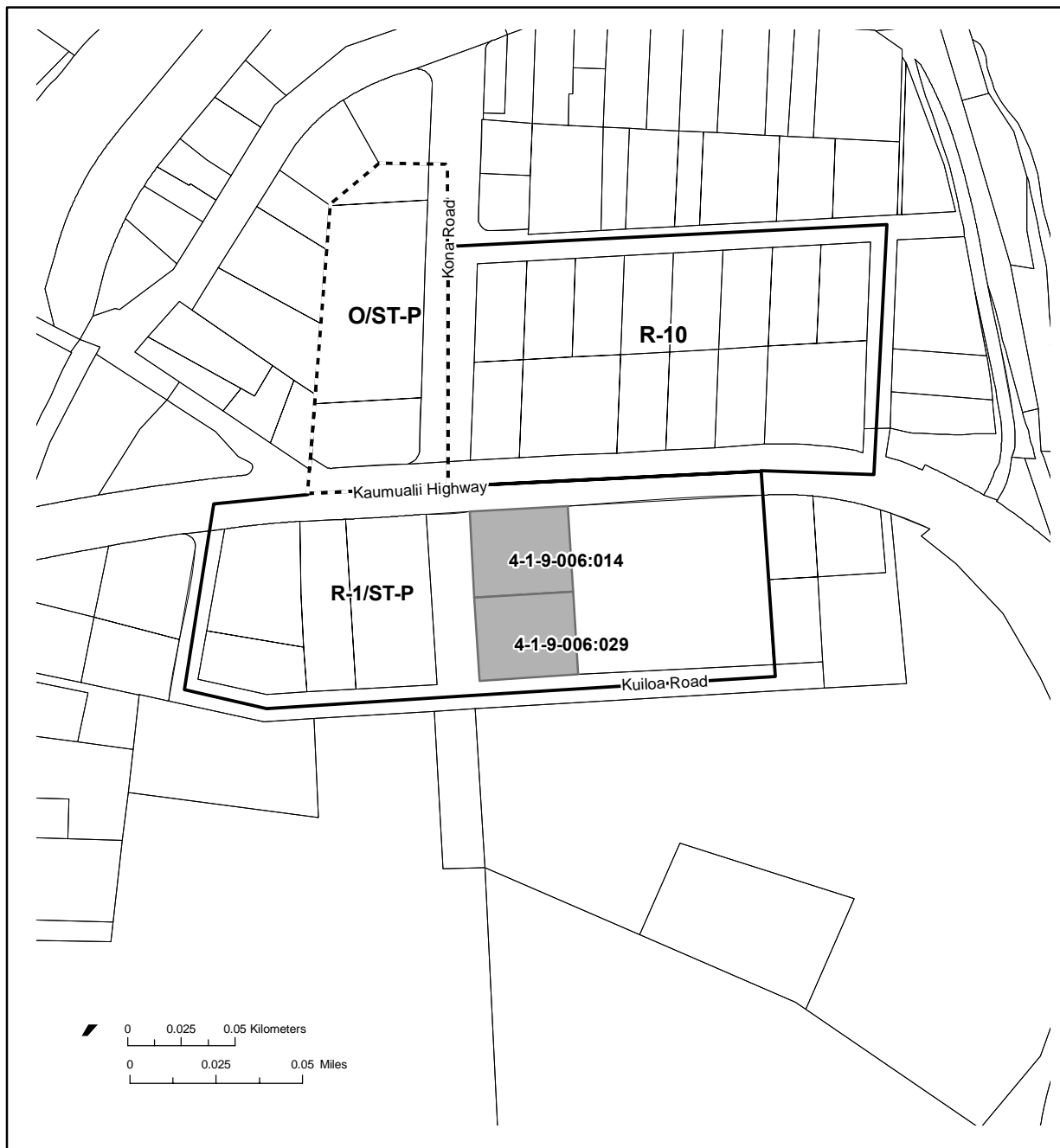




**Hanapēpē Public Library Expansion**  
 Use Permit, Variance, and Class IV Zoning Permit

Prepared by  
**NKN Project Planning**

Exhibit 4  
**General Plan Map**



**Hanapēpē Public Library Expansion**  
 Use Permit, Variance, and Class IV Zoning Permit

Prepared by  
**NKN Project Planning**

Exhibit 5  
**Zoning Map**



Hanapēpē Library existing structure. Entrance on right side of building, driveway and parking to right.



Existing parking area.

**Hanapēpē Public Library Expansion**  
Use Permit, Variance, and Class IV Zoning Permit

**Exhibit 6**

Prepared by  
**NKN Project Planning**

The library is situated within a large grassy area, with informal plantings surrounding the building. Three large Rainbow Shower trees are located between the parking area and Kona Road.

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

#### Parking and Transportation

Access to the Hanapēpē Public Library is located off Kona Road. There are nine existing parking stalls at the library, including one accessible stall. Additional informal off-street parking is available on County's Kona Road.

Personal vehicles are the primary mode of transportation to reach the Hanapēpē Public Library, although some library users walk or bike from the nearby residences and surrounding areas. *The Kaua'i Bus* has a stop across Kona Road at the United Church of Christ. Public bus service operates on a limited schedule, with busses running about every one to two hours to Lihu'e. The last bus from Lihu'e leaves about 6:00 PM for the Westside and Hanapepe area.

#### Police and Fire Services

The Hanapēpē Fire Station is located diagonally across Kaumuali'i Highway from the library and a Kaua'i Police Department (KPD) substation is located in Waimea approximately six miles away. The main KPD headquarters are located in Lihu'e.

#### Medical Services

Emergency medical services are provided through the County's 911 communications center. Ambulance service is provided by American Medical Response. Regional medical services are available in Waimea at Kaua'i Veterans Memorial Hospital, approximately seven miles away and about 15 minutes by automobile.

#### Wastewater Disposal

Wastewater disposal at the site is handled by the County of Kaua'i's existing Hanapēpē sewer system. Library wastewater effluent will be collected by a new four-inch sewer lateral and connected to the existing four-inch sewer line located on-site. The estimated wastewater demands generated by the library expansion are:

- Average Daily Flow                      150 GPD
- Maximum Daily Flow                    750 GPD

**INSERT –**  
**Exhibit 7 -Site Plan**

**INSERT**

**Exhibit 8 – Elevations**

**Have Clyde add the “mean sea level” label on the elevation**

### Solid Waste and Water

Solid waste disposal is provided by the County of Kaua'i, Department of Public Works. The property is provided with potable water from the County of Kaua'i's existing domestic water system. The proposed library expansion will connect to an existing 1-½ inch water line located on site.

### Utilities and Communications

Utilities available at the subject parcel include electrical service by Kaua'i Island Utility Cooperative and telephone service by Hawaiian Telcom. Broadband Internet access is provided by the Department of Education's high speed T-1 line.

## **1.7 Socio-Economic Characteristics**

### Demographic Data

The 2005 Kaua'i population was 62,640 residents with 10,879 residing within two census tracts of the library service area.<sup>2</sup> The 2000 Census reported that for the Ele'ele-Kalaheo Census tract 407 was 7441 resident population, an increase of 15 percent from the 1990 census data; the Kaumakani-Hanapēpē Census tract 408 was 3438 resident population, an increase of about 18 percent from the 1990 census data. Other relevant data follows:

<u>Description</u>	<u>Census Tract</u> <u>407</u>	<u>Census Tract</u> <u>408</u>
Population	7,441	3,438
Number of Households	2,606	1,120
Median Household Income	\$52,005	\$41,048
Per Capita Income	\$20,804	\$15,472
Persons Below Poverty Level	472	427
Percent Below Poverty Level	6.4%	12.5%

The predominant ethnic groups within the Hanapēpē Library service area are roughly Asian 41%, White 32%, Native Hawaiian 21%, and All Others 6%.<sup>3</sup>

### Library Customers

Most customers who use the Hanapēpē Public Library are residents, including students (public schools, private schools, and home-schoolers), and senior citizens. Few visitors use the library.<sup>4</sup>

<sup>2</sup> The State of Hawai'i, Department of Business, Economic Development and Tourism 2005 Data Book.

<sup>3</sup> U.S. Census Bureau, Census 2000.

<sup>4</sup> Department of Accounting and General Services, "Pre-Design Scope of Work Hanapēpē Public Library Expansion and Site Improvements" December 1, 2005. Includes Hanapēpē Library data.

Students rely heavily on the library for research, homework, leisure reading, science projects, and information on sports. Schools within the service area include Ele'ele Elementary, Kalaheo Elementary, Waimea Canyon, Waimea High, Ele'ele Headstart, Ele'ele Special Education Pre-school, Kalaheo Missionary, Kalaheo Headstart, and Kaumakani Preschool (Kamehameha Preschool).

Within the service area, there are two senior housing complexes, with senior citizens over 65 making up about 14% of the population. Seniors use the facility for lifelong learning and recreational reading, Internet, newspapers, the library's large print collection of materials. Seniors make up most active participants in the Hanapēpē Friends program who volunteer, and assist with fundraising and community programs.

Many families do not have computers and use the Internet for job searches and application, preparing resumes and research. The number of registered computer users in July 2006 was 4116, up from 2932 in July 2000. Circulation of library materials in 2005 was 48,508, up from 41,936 in 1994.

#### Environmental Justice

A community meeting was held at the Hanapēpē Library on December 14, 2006. To publicize the meeting, meeting notices were sent to 48 individuals and surrounding landowners. A notice was published in the Garden Island Newspaper and flyers were distributed at five locations.<sup>5</sup>

The 14 residents who participated in the public meetings did not express any concerns related to the subject of environmental justice such as adverse impacts on marginalized populations, or social or economic impacts on indigenous groups. A summary of the meeting is included in **Appendix A**.

#### Cultural Impact Assessment

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

At the community meeting, long-time Hanapēpē residents recounted the use of the library property. The property was used to cultivate taro. In the early 1900s, rice was grown on the site. In the 1930s and 1940s, keawe trees were grown on the site to feed cattle. In the 1950s, the library was built.

Analysis of the potential effect of the project on cultural resources, practices or beliefs, its potential to isolate cultural resources, practices or beliefs from their

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<sup>5</sup> Hanapēpē United Church of Christ, Waimea Public Library, Koloa Public and School Library, Lihue Public Library, KUAI Radio Station.



setting, and the potential of the project to introduce elements which may alter the setting in which cultural practices take place were assessed as a result of the community meeting. Based upon that information, it is reasonable to conclude that pursuant to Act 50, Hawaiian rights or any ethnic group, related to gathering, access or other customary activities within the project area will not be affected and there will be no adverse effect upon cultural practices or beliefs by the expansion of the library at the site.

### Historic, Cultural and Archaeological Resources

The project site does not contain any historic or archaeological sites listed on the State and National Registers of Historic Places, although the existing library building is considered to be historic since it is over 50 years old. In nearby Hanapēpē town, there are four properties in the “Hanapēpē Town Lots” listed on the State Register of Historic Places. One of the four is also listed on the National Register of Historic Places.

### Economic

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

## **1.8 Environmental Characteristics**

### Climate, Rainfall and Wind

The average rainfall is about 25 to 30 inches of rain per year according to the *Atlas of Hawai'i*. The closest rain gauge is located near the Hanapēpē River (ID #HPPH1). Annual temperatures range from about the 60's to 80's. The prevailing wind throughout the year is the northeasterly trade wind. Occasionally there may be Kona winds originating from a southern direction.

### Flora and Fauna

No formal botanical study was conducted as part of this project. Surrounded by a large grassy lawn, the library grounds are informally landscaped with red ginger, bougainvillea, hibiscus, ti, Plumeria, impatiens, day lilies, and geraniums. Three large Rainbow Shower trees are located between the existing parking area and Kona Road. A landscaping plan for the project includes the planting of additional plant materials and trees.

According to the Hawai'i Natural Heritage Program, University of Hawai'i, there were no rare species recorded specifically at the project site as shown in **Exhibit 9**.



Source: Hawai'i Biodiversity & Mapping Program  
 Center for Conservation Research and Training  
 University of Hawai'i at Manoa

## Exhibit 9

Hanapēpē Valley and the surrounding area are known by the Department of Land and Natural Resources to be a major flyway from the mountains to the sea, for two native Endangered and Threatened species including the Hawaiian petrel (*Pterodroma phaeopygia*) and the Newell's shearwater (*Puffinus newelli*).

### Soils, Geology and Topography

Soils in the vicinity of the library belong to the Makaweli-Waiawa-Niu association.<sup>6</sup> As it relates to this location, the association consists of deep, gently sloping to steep, well-drained soils that have dominantly moderately fine textured or fine textured subsoil and shallow, steep and very steep, well-drained soils over basalt bedrock.

Makaweli soils make up about 45 percent of the association, Waiawa soils 30 percent, and Niu soils 10 percent. Rough broken land and other soils make up the rest. Makaweli soils have a surface layer of dusky-red to dark reddish-brown, friable silty clay loam or stony silty clay loam. The subsoil is dusky-red, friable silt loam and silty clay loam. The substratum is soft, weathered basic igneous rock that in places contains hard boulders. Waiawa soils have a surface layer of dark reddish-brown, very firm very rocky clay loam or very rocky clay. This layer is underlain by hard basic igneous rock. Niu soils have a surface layer of dusky-red to dark reddish-brown, friable silty clay loam to silty clay. The subsoil is dark-red, friable silty clay loam or silty clay. The substratum is soft, weathered basic igneous rock. The lands in the area of the subject property have been designated "not rated" by the Land Study Bureau's agricultural productivity ratings.<sup>7</sup>

### Hazards: Flooding, Tsunami, and Hurricane

The area in the vicinity of the library is one of the areas studied in the Federal Emergency Management Agency (FEMA), Flood Insurance Study, County of Kaua'i, Hawai'i, September 16, 2005. The parcel is identified on the Federal Emergency Management Flood Insurance Rate Map, Panel 150002-287E, and shows the subject parcel located in Zone AE. Zone AE means areas in the "Special Flood Hazard Areas Inundated by 100-Year Flood." The base flood elevation for this location is determined to be ten feet mean sea level.<sup>8</sup>

According to the *Atlas of Natural Hazards in the Hawaiian Coastal Zone*, Hanapēpē has experienced the effects of three tsunamis: in 1946 (8 feet), 1952 (10

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<sup>6</sup> State of Hawai'i, College of Tropical Agriculture and Human Resources. Available at: <http://www.ctahr.hawaii.edu/soilsurvey/5is/genmapkauai.htm>. Accessed 8-11-06.

<sup>7</sup> State of Hawai'i, Department of Business, Economic Development & Tourism. Office of Planning. Land Study Bureau maps.

<sup>8</sup> County of Kaua'i, Public Works. Available at: [http://www.kauai.gov/portals/0/PW\\_Eng/Design-Permitting/Flood\\_Zone\\_Maps/panel0287\\_6000.pdf](http://www.kauai.gov/portals/0/PW_Eng/Design-Permitting/Flood_Zone_Maps/panel0287_6000.pdf). Accessed 8-14-06.

feet), and 1960 (14 feet). Hanapēpē, along with most other areas of Kaua'i, are vulnerable to damage from high winds and hurricanes.

## **2.0 AFFECTED ENVIRONMENT, POTENTIAL IMPACTS, AND MITIGATION MEASURES**

### **2.1 Existing Land Use**

As previously described, the existing library is zoned *Residential (R-1)* with an overlay of *Special Treatment District – Public*. The Kaua'i Comprehensive Zoning Ordinance (CZO) requires that all uses, structures, or development in *Special Treatment Districts* seek a Use Permit.

The existing library building is primarily located on TMK 4-1-9-006:29 but encroaches onto the adjacent TMK 4-1-006:14 by approximately 39 feet. Constructed in the 1950s, the building is currently considered to be a non-conforming structure under the Comprehensive Zoning Ordinance. However, since the project involves an enlargement of the structure, a Variance Permit will be sought to bring the library into compliance with all zoning regulations.<sup>9</sup> A Use Permit, Variance Permit and Class IV Zoning Permit<sup>10</sup> can be applied for all at one time.

#### Impacts and Mitigation Measures

Since the property is currently being used as a public library, no negative impacts are expected. The proposed library expansion will directly benefit the Hanapēpē community by providing additional space for collections and work areas, and adding an area where people can gather for programs and activities.

### **2.2 Soils and Topography**

The library topography is reasonably flat. The soils described in Section 1.8 above, belong to the Makaweli-Waiawa-Niu association. Also, the lands in the area of the subject parcels have been designated “not rated” by the Land Study Bureau’s agricultural productivity ratings.

#### Impacts and Mitigation Measures

The proposed development may slightly alter the topography of the area. Some minor grading will occur within the library expansion and parking area improvements. Proper permits will be obtained for any land altering construction. The project will abide by the County of Kaua'i, Department of Public Works’ new drainage standards. Best Management Practices for erosion and sediment controls will be implemented during the course of construction to mitigate any negative impacts in the vicinity of the property.

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<sup>9</sup> County of Kaua'i, CZO, Sec. 8.23-1 (b).

<sup>10</sup> A Class IV Zoning Permit is procedural requirement for a Use Permit and Variance Permit.

## **2.3 Flora and Fauna**

There are no rare or endangered species specifically on the property as discussed in the above Section 1.8, Flora and Fauna. However, Hanapēpē Valley and the surrounding area are major flyways from the mountains to the sea for two native Endangered and Threatened species include the Hawaiian petrel (*Pterodroma phaeopygia*) and the Newell's shearwater (*Puffinus newelli*). The aforementioned species are protected by one or more state and federal laws including the federal Migratory Bird Treaty Act (16 USC 703 et seq.), the federal Endangered Species Act (16 USC 1531 et seq.), and the Hawai'i Revised Statutes (HRS 195D). Each of these laws defines the killing, harassment, and or/ injury of protected species as forms of "take."

### **Impacts and Mitigation Measures**

The proposed library expansion and parking area improvements should not have any negative impacts on flora or fauna within the project site. Best Management Practices will be followed to mitigate any negative impacts to the surrounding areas.

The new conceptual planting plan for the library includes flowering shrubs such as red ginger, green ti, and tiare gardenia; ground covers such as dwarf laua'e; flowering trees such as Singapore Plumeria and Puakenikeni; canopy trees such as Tulip and Kou; and canopy trees in the parking area such as Rainbow shower.

The proposed project may include activities and facilities present during construction and operation that may cause adverse affects to and "take" of listed species occupying the habitat provided on-site. Specifically, outdoor and architectural lighting of certain types are well known to attract and harm endangered and threatened seabirds, specifically Newell's shearwaters and Hawaiian petrel.

In order to prevent and minimize incidental take of listed seabirds, the applicant will implement the following actions and activities:

1. All outdoor lighting will be fully shielded and/or cut-off luminaries, including parking and security lighting;
2. No uplighting on building or landscaping;
3. During construction, any night lighting will be *fully shielded* if work is conducted between the months of September, October, November and/or December; and
4. Consultation with the State of Hawai'i, Division of Forestry and Wildlife and the U.S. Fish and Wildlife Service will take place prior to finalizing lighting plans.

## **2.4 Historic, Archaeological and Cultural Resources**

The project site does not contain any historic or archaeological sites listed on the National and State Registers of Historic Places, although the existing library building is considered to historic as it is over 50 years old.

### **Impacts and Mitigation Measures**

To ensure the historic integrity of the existing building is preserved, the ADA ramp will be relocated to the new addition to the library. No impacts to historic sites, *iwi kupuna*, or native Hawaiian cultural or traditional deposits are anticipated unless during the construction phase cultural deposits or burials are inadvertently discovered on the property. In that case, all work will immediately cease, and the State of Hawai'i, Department of Land and Natural Resources will be contacted.

## **2.5 Scenic and Visual Resources**

The County of Kaua'i, *General Plan* does not specifically identify any scenic or visual resources in the vicinity of the library. However, Kaumuali'i Highway is designated as a "Scenic Roadway Corridor." The existing building is setback from the Highway by approximately 93 feet.

### **Impacts and Mitigation Measures**

The expansion will reduce the open, grassy area between the library and the Highway to about 36 feet; however, this proposal will not significantly affect the scenic and visual resources of the area. As noted in Section 1.8 a landscaping plan is a component of the project.

The existing surrounding area architecture suggests an eclectic mix of styles combined to form a distinct identity. The neighborhood comprises many building types ranging from residential, church and commercial type of functions. The approach of incorporating elements from all surrounding buildings will be the technique used to establish a new building/addition that gives a sense of familiarity while still establishing a character of its own.

## **2.6 Air Quality and Noise**

The project involves construction for the expansion of the library, and parking area improvements.

### **Impacts and Mitigation Measures**

During the construction phase of the project there may be short-term, temporary impacts in air quality from dust, and equipment noise. Construction machinery will increase noise levels. Contractors will work during reasonable hours of the day and comply with State Department of Health noise regulations during



construction, The County of Kaua'i will require contractors to comply with all applicable Federal, State and County permitting requirements.

The State Department of Health, Clean Air Branch, and include the following examples of measures that can be implemented to control fugitive dust:<sup>11</sup>

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

Should noise levels exceed the permissible sound levels, a noise permit will be obtained from the Department of Health, as stated in title 11, HAR, Chapter 11-46, entitled "Community Noise Control." In addition, the following Administrative Rules may be relevant to this project:

- Chapter 11-39 Air Conditioning and Ventilating
- Chapter 11-45 Radiation Control
- Chapter 11-501 Asbestos Requirements
- Chapter 11-502 Asbestos Requirements in Schools
- Chapter 11-503 Fees for Asbestos Removal and Certification
- Chapter 11-504 Asbestos Abatement Certification Program

## **2.7 Water**

The property is provided with potable water from the County of Kaua'i's existing domestic water system. The proposed library expansion will connect to an existing 1-½ inch water line located on site. The Department of Water has concerns regarding the possible backflow of water into the County's system and the increase in water demand associated with the library expansion.

### **Impacts and Mitigation Measures**

The applicant is aware that as part of the permitting process, water service will be limited to the existing water meter presently serving the two parcels. Requests for additional water meters or increase in water meter size will be dependent on the adequacy of the source, storage, and transmission facilities existing at that time.

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<sup>11</sup> Hawai'i Administrative Rules, § 11-60.1-33 on Fugitive Dust,



The applicant will also be required to prepare and receive the Department of Water's approval of construction drawings for the necessary water system facilities and construct said facilities. These facilities shall include but are not limited to the interior plumbing plans with the appropriate backflow prevention assembly.

## **2.8 Wastewater**

Wastewater disposal at the site is handled by the County of Kaua'i's existing Hanapēpē sewer system.

### **Impacts and Mitigation**

In addition to any requirements by the County, all wastewater plans must conform to applicable provisions of the Department of Health's Administrative Rules, Chapter 11-62, "Wastewater Systems."

## **2.9 Drainage and Hazards**

A drainage study was not conducted for this project as the proposal involves minimal grading of an existing parcel to prepare it for the expansion of the library building and parking area. There is no on-site drainage system. The existing site generally utilizes overland sheet flow to direct storm runoff from the northeast to southwest portion of the property.

The parcel is identified on the Federal Emergency Management Flood Insurance Rate Map, Panel 150002-0287E (September 16, 2005), and shows the parcel located in an AE zone. Zone AE means areas in the "Special Flood Hazard Areas Inundated by 100-Year Flood." The base flood elevation for this location is determined to be ten feet mean sea level.

### **Impacts and Mitigation Measures**

The library expansion and parking area improvements involves minimal grading. Presently some storm water remains on site and percolates into the ground, some drains into the grassy, unimproved drainage swale at the northern end of the parcel adjacent to Kaumuali'i Highway. Grading for the library expansion will continue to utilize overland sheet flow and existing drainage patterns. On-site drainage system improvements are not proposed as part of the project.

All final plans will be submitted to the Department of Public Works for comment and approval. If grading permits are required for the project, there may be an exemption since the grading will be contained within a self contained government controlled area. If applicable, any borrow site and disposal sites will comply with the County's Sediment and Erosion Control Ordinance No. 808. During all construction phases of the project Best Management Practices will be followed to contain any construction materials on site, and prevent any negative impacts to the surrounding areas.

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

Although the existing library was constructed prior to the effective date of the County of Kaua'i's Flood Ordinance, "substantial" improvements will need to comply with current development requirements. As such, the finish floor of the library expansion will be established above the 10 foot flood elevation (mean sea level), which is approximately 2.5 feet above the existing library floor elevation. Comments concerning the flood requirements will be solicited from the Building Division.

The proposed expansion will involve "substantial improvements" which will mean that the existing structure will require compliance with Federal Emergency Management Agency flood requirements. In accordance with FEMA's Technical Bulletin 3-93, the existing library structure will be flood-proofed and a Floodproofing Certificate for Non-Residential Structures will be provided to the Department of Public Works, Building Division by the licensed design professional for the project.

## **2.10 Parking and Transportation**

The parking area will be expanded from 9 to 13 parking stalls. Trucks carrying construction materials will access the site via Kaumuali'i Highway, turning left/south onto Kona Road.

### **Impact and Mitigation Measures**

Residents who attended the community meeting noted that the four additional parking stalls, wider turning aisles, and wider parking stalls will ease parking and convenience at the library. Transporting materials to the project will occur Monday through Friday, during regular business hours. Any adverse impacts will be short-term and temporary in nature and have minimal disruption in the surrounding area.

## **2.11 Economic Activity**

The proposed library expansion and parking area improvements are estimated to cost between \$1.2 - \$1.45 million dollars.

### **Impacts and Mitigation Measures**

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

## **2.12 Gathering and Access Rights**

As previously mentioned in Section 1.7 (Environmental Justice and Cultural Impact Assessment), a community meeting was held to describe the project and learn of any community concerns.

### **Impacts and Mitigation Measures**

No concerns were voiced at the community meeting on December 14, 2006 that included many long-time Hanapēpē residents. Consequently, it was determined that Native Hawaiian traditional gathering rights and public access will not be restricted or impacted as a result of this project.

## **2.13 Americans with Disabilities**

This project will comply with the Americans with Disabilities Accessibility Guidelines for the new construction.

### **Impacts and Mitigation Measures**

During the permitting phase of the project, comments will be solicited from the Disability and Communication Access Board for compliance with HRS 1-3-50 which states “All plans and specifications for the construction of public buildings, facilities and sites by the State or County shall be prepared so that the buildings and facilities are accessible to and usable by persons with disabilities.”

### **3.0 ALTERNATIVES TO THE PROPOSED ACTION**

#### **3.1 “No Action” Alternative**

One alternative is not to proceed with the proposal. This alternative would result in the facilities remaining undersized and unable to serve the needs of the community.

#### **3.2 Alternative Considerations**

The three alternatives considered relate to the size and cost of the expansion of the library facility. All three alternatives assume the expansion of the library facility and improvements in the parking area. Alternatives considered relate to the scaling back the overall size of the expansion, primarily due to budgetary constraints.

##### Alternative No. 1: Expansion of library by about 2,444 square feet

This alternative was first discussed in 1992, and the estimated budget at that time was \$751,053. This plan included expanding the existing library space of 4086 square feet by adding 2444 square feet for books, restrooms, a workroom, and a meeting area for a total of 6530 sq. ft. Additional parking was proposed within the existing area (from 9 existing to 13 total) with a provision for ten additional parking stalls on Kuiloa Road.

##### Alternative No. 2: Expansion of library by about 3,236 square feet

Alternative No. 2 was proposed in May 2006 and included a breezeway attaching a new wing to the existing building. Other features included were a Program Meeting Room, Supervisor’s Office, Book/Reading Area, Workroom, Staff Lounge and Restrooms. Also featured was an open covered lanai area off the Program Meeting Room. This alternative would result in expanding the library from 4086 square feet to about 7322 square feet. The estimated cost of the expansion in 2006 was about \$1.7 million dollars.

##### Alternative No. 3: Expansion of library by about 2,210 square feet

Due to budgetary constraints, the preferred Alternative is No. 3. This alternative deletes the Staff Lounge and Staff Restrooms which were not required per the user. The Supervisor’s Office was included as part of the Workroom, the Book/Reading Room was relocated, and the public restrooms were relocated. This alternative would result in expanding the library from 4086 square feet to about 6,296 square feet, and includes a total of 13 parking stalls. The cost of this alternative is estimated to be between \$1.2 - \$1.45 million dollars.

**Alternative No. 3 is the preferred alternative.**

## 4.0 DETERMINATION

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

1. ***The proposed action does not involve an irrevocable commitment to loss or destruction of any natural or cultural resources;***  
No significant natural or cultural resources have been identified on the property.
2. ***The proposed Action will not curtail the range of beneficial uses of the environment;***  
The current library uses for the community will continue. Expansion of the library and parking area improvements will be made within the existing parcels.
3. ***The proposed action does not conflict with the State's long-term goals or guidelines as expressed in Chapter 344, HRS, State Environmental Policy;***  
The project is consistent with the State's long-term environmental goals and will not have any significant negative effects on the environment.
4. ***The proposed action does not substantially affect the economic or social welfare of the community or state;***  
The social welfare of the community will be positively improved with the expansion of the library expansion and parking area improvements. Economics impacts on the community and state will not be negatively affected, although some short-term economic benefits will occur during the construction phase.
5. ***The proposed action does not substantially affect public health;***  
The library expansion and parking area improvements will not negatively affect public health. There may be short-term temporary impacts with noise and dust occurring during the construction phase of the project.
6. ***The proposed action does not involve substantial secondary effects;***  
With the exception of short term construction impacts, no substantial secondary impacts are anticipated from this action.
7. ***The proposed action does not involve substantial degradation of environmental quality;***  
Best Management Practices will be used during the all construction phases on the proposed improvements.

8. ***The proposed action does not cumulatively have a considerable effect on the environment or involve a commitment to larger actions;***  
The proposed library expansion and improvements will not have a cumulative effect on the environment as the proposed project work will be located in the library site.
9. ***The proposed action does not affect a rare, threatened, or endangered species or its habitat;***  
According to the Hawai'i Biodiversity & Mapping Program, University of Hawai'i at Manoa, no rare or endangered species have been recorded on the property. However, applicant is aware of the Hawaiian petrel and Hawaiian shearwater's presence in the area and will work with the DLNR's Division of Forestry and Wildlife to mitigate any negative impacts.
10. ***The proposed action does not detrimentally affect air or water quality or ambient noise levels;***  
Aside from temporary disruptions during the construction of the library expansion and parking area improvements, air, water and noise impacts will be minimal.
11. ***The proposed action does not affect an environmentally sensitive area;***  
The project site is not considered an environmentally sensitive area. There are no rare, threatened, or endangered native plant species at the site.
12. ***The proposed action does not substantially affect scenic vistas and view planes; and***  
The subject parcel has not been specifically identified as a scenic resource. The project will minimally affect the existing scenic vistas and view planes in the area.
13. ***The proposed action does not require substantial energy consumption.***  
The proposed action will minimally increase energy consumption.

## **5.0 AGENCIES CONSULTED**

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

### **State**

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

### **County**

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

### **Community and Other Organizations**

Lihu'e Public Library  
Hanapēpē Public Library

### **Individuals**

Susan Remoaldo

## 6.0 REFERENCES

Armstrong, R. Warwick, editor. University of Hawai'i, Department of Geography. *Atlas of Hawai'i*, second edition. University of Hawai'i Press, Honolulu, 1983.

County of Kaua'i, Planning Department. *Kaua'i General Plan*. November 2000.

County of Kaua'i. "Kaua'i County Hazard Mitigation Plan." 2003. Available at: [http://www.mothernature-hawaii.com/county\\_kauai/planning1.htm](http://www.mothernature-hawaii.com/county_kauai/planning1.htm) and [http://www.mothernature-hawaii.com/files/kauai\\_planning-10.pdf](http://www.mothernature-hawaii.com/files/kauai_planning-10.pdf). Accessed 8-11-06.

Federal Emergency Management Agency. "National Flood Insurance Program FIRM Flood Insurance Rate Map. "Kaua'i County, Hawai'i. Community Panel 0287, revised September 16, 2005. Available at: [http://www.kauai.gov/portals/0/PW\\_Eng/Design-Permitting/Flood\\_Zone\\_Maps/panel0287\\_6000.pdf](http://www.kauai.gov/portals/0/PW_Eng/Design-Permitting/Flood_Zone_Maps/panel0287_6000.pdf). Accessed 8-14-06.

Federal Emergency Management Agency. Technical Bulletin 3-93, "Non-Residential Floodproofing – Requirements and Certification." 04-93.

Fletcher, Charles H., et. al., *Atlas of Natural Hazards in the Hawaiian Coastal Zone*. Prepared in cooperation with University of Hawai'i, State of Hawai'i Office of Planning, and National Oceanic and Atmospheric Administration. 2002.

Hawai'i Audubon Society. *Hawai'i's Birds*. Third Edition, 1981.

State of Hawai'i, Commission on Water Resource Management. *Hawai'i Stream Assessment*. Honolulu, 1990.

State of Hawai'i, Department of Business, Economic Development & Tourism. Census data available at: <http://www.hawaii.gov/dbedt/info/census/Folder.2005-10-13.2927/>. Accessed 1-14-07.

State of Hawai'i, Department of Business, Economic Development & Tourism. Office of Planning. Land Study Bureau maps. Available at: [http://www.hawaii.gov/dbedt/gis/maps/kau\\_lsb\\_large.pdf](http://www.hawaii.gov/dbedt/gis/maps/kau_lsb_large.pdf). Accessed 1-14-07.

State of Hawai'i, Department of Health, Environmental Planning Office. Available at: <http://www.state.hi.us/health/environmental/env-planning/landuse/landuse.html>. Accessed 04-26-07.

State of Hawai'i, Department of Land and Natural Resources, Division of Forestry and Wildlife. Personal communication April 26, 2007 with Andrea Erichsen.

State of Hawai'i, Hanapēpē Public Library. Report dated February 23, 1995.



United States Department of Agriculture. Soil Conservation Service in cooperation with The University of Hawai'i Agricultural Experiment Station. *Soil Survey of Islands of Kaua'i, Oahu, Maui, Molokai, and Lanai, State of Hawai'i*. August 1972.

University of Hawai'i, College of Tropical Agriculture and Human Resource (CTAHR). "General Soil Map of Kaua'i and Soil Associations." Available at: <http://www.ctahr.hawaii.edu/soilsurvey/5is/genmapkauai.htm>. Accessed 8-11-06

State of Hawai'i, Department of Economic Development, Business and Tourism. Data Book 2005. Accessed 08-09-06. Available at: <http://www.hawaii.gov/dbedt/info/economic/databook/db2005/> and Census District Maps: [http://www.hawaii.gov/dbedt/gis/maps/neighbor\\_tracts.pdf](http://www.hawaii.gov/dbedt/gis/maps/neighbor_tracts.pdf)

U.S. Census Bureau, Census 2000, Kaua'i General Demographic Characteristics. Accessed 08-09-06. Available at: [http://www2.census.gov/census\\_2000/datasets/demographic\\_profile/Hawaii/2kh15.pdf](http://www2.census.gov/census_2000/datasets/demographic_profile/Hawaii/2kh15.pdf)