



**DEPARTMENT OF WATER SUPPLY**  
**COUNTY OF MAUI**

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OFFICE OF ENVIRONMENTAL QUALITY CONTROL

March 3, 1999

Mr. Gary Gill, Director, Interim Director  
Office of Environmental Quality Control  
235 South Beretania Street, Suite 702  
Honolulu, Hawaii 96813

Re: Finding of No Significant Impact for Kaunakakai  
Water System Improvements  
Kaunakakai, Molokai, Hawaii

Dear Mr. Gill:

The County of Maui, Department of Water Supply has reviewed the comments received during the 30-day public comment period which began on January 23, 1999. The agency has determined that this project will not have significant environmental effects and has issued a Finding of No Significant Impact (FONSI) determination. Please Publish this notice in the March 23, 1999 OEQC Environmental Notice.

We have enclosed a completed OEQC Publication Form and four (4) copies of the Final EA. Since the project summary test in the publication form submitted with the Draft EA has not changed, no disk or e-mail has been included with the Final EA. Please call me at 243-7816 if you have any questions.

Sincerely,

David Craddick  
Director

DC:to

*"By Water All Things Find Life"*

Printed on recycled paper



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MAR 23 1999

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in yellow)

**FILE COPY**

*Final*  
**Environmental Assessment**

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**KAUNAKAKAI WATER  
SYSTEM IMPROVEMENTS\***

Prepared for

County of Maui,  
Dept. of Water Supply

March 1999



*Final*  
***Environmental Assessment***

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**KAUNAKAKAI WATER  
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Preface

The County of Maui, Department of Water Supply (DWS), proposes to construct waterline improvements, lateral replacements, fire hydrants and other appurtenances in Kaunakakai, Molokai, Hawaii. Pursuant to Chapter 343, Hawaii Revised Statutes, and Chapter 200 of Title 11, Hawaii Administrative Rules, Environmental Impact Statement Rules, this Environmental Assessment (EA) documents the project's technical characteristics and environmental impacts, and advances findings and conclusions relative to the significance of the project.

# ***Chapter 1***

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## ***Project Overview***

## **I. PROJECT OVERVIEW**

### **A. PROPERTY LOCATION, EXISTING USE AND LAND OWNERSHIP**

The County of Maui, Department of Water Supply, proposes to construct waterline improvements, lateral replacements, fire hydrants and other appurtenances in Kaunakakai, Molokai. See Figure 1 and Figure 2.

Improvements are proposed within the Kamehameha V Highway right-of-way which is owned by the State of Hawaii. There are two (2) separate segments of waterline which comprise the project. The western segment of waterline abuts properties located on TMK 5-3-1 and 5-3-2. The eastern segment abuts properties located on TMK 5-3-3 and 5-3-7.

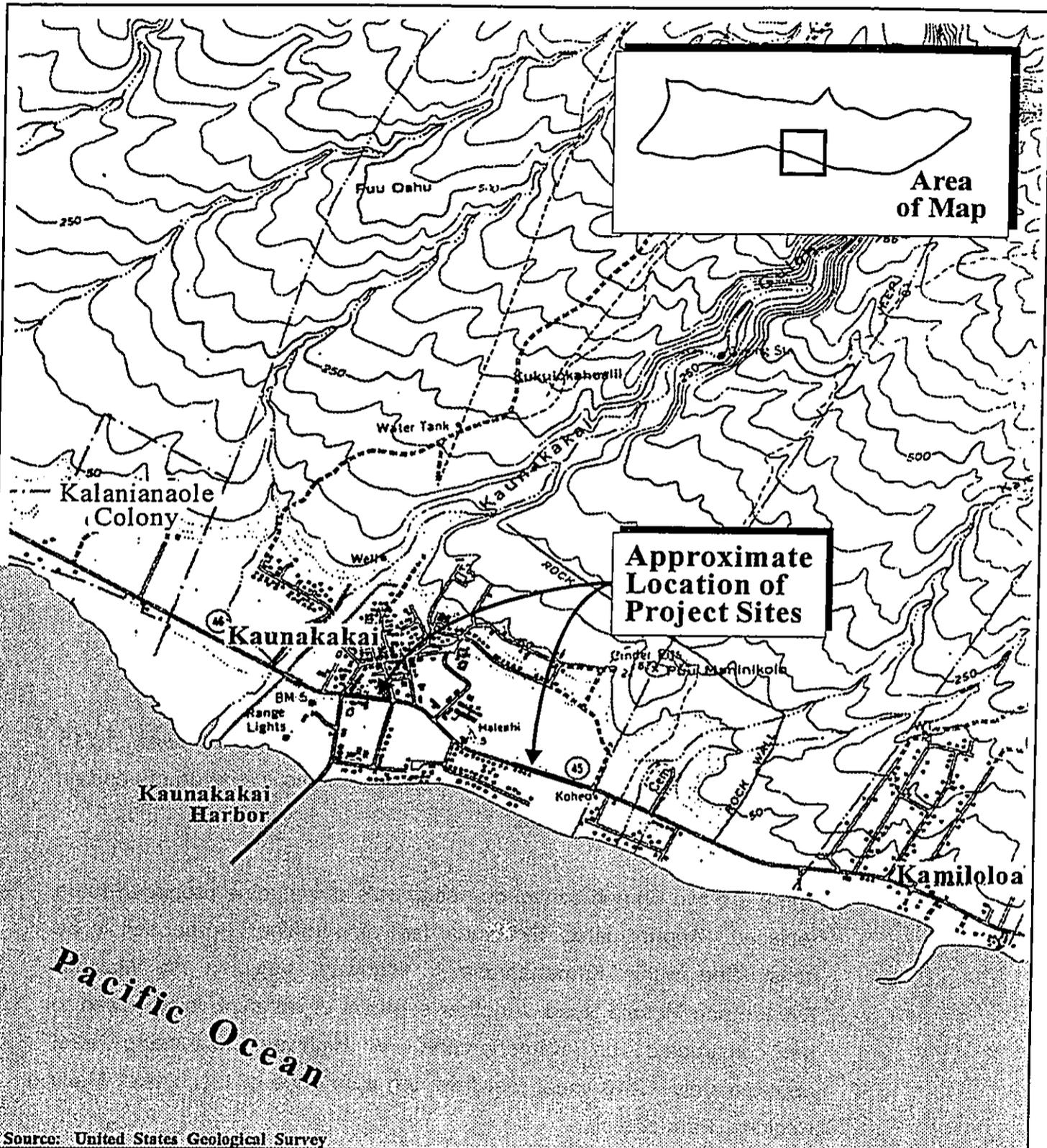
Since County funds are proposed to be utilized for this project and the project is located on State lands, an Environmental Assessment is being prepared pursuant to Chapter 343, Hawaii Revised Statutes.

### **B. PROPOSED ACTION**

The proposed action involves the construction of approximately 1,715 lineal feet of 12-inch waterline, lateral replacements, fire hydrants and an air relief valve in Kaunakakai.

There are two (2) non-contiguous segments of waterline proposed to be replaced. Approximately 575 lineal feet of waterline is proposed to be constructed within Kamehameha V Highway, between Ala Malama Avenue and Mohala Road. Another segment of waterline is proposed to be constructed on Kamehameha V Highway, extending east approximately 1,140 lineal feet from the east edge of the "Duke" Maliu Regional Park parcel.

The new segments of waterline would replace 6-inch lines. Lateral



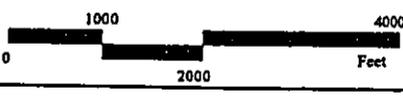
Source: United States Geological Survey

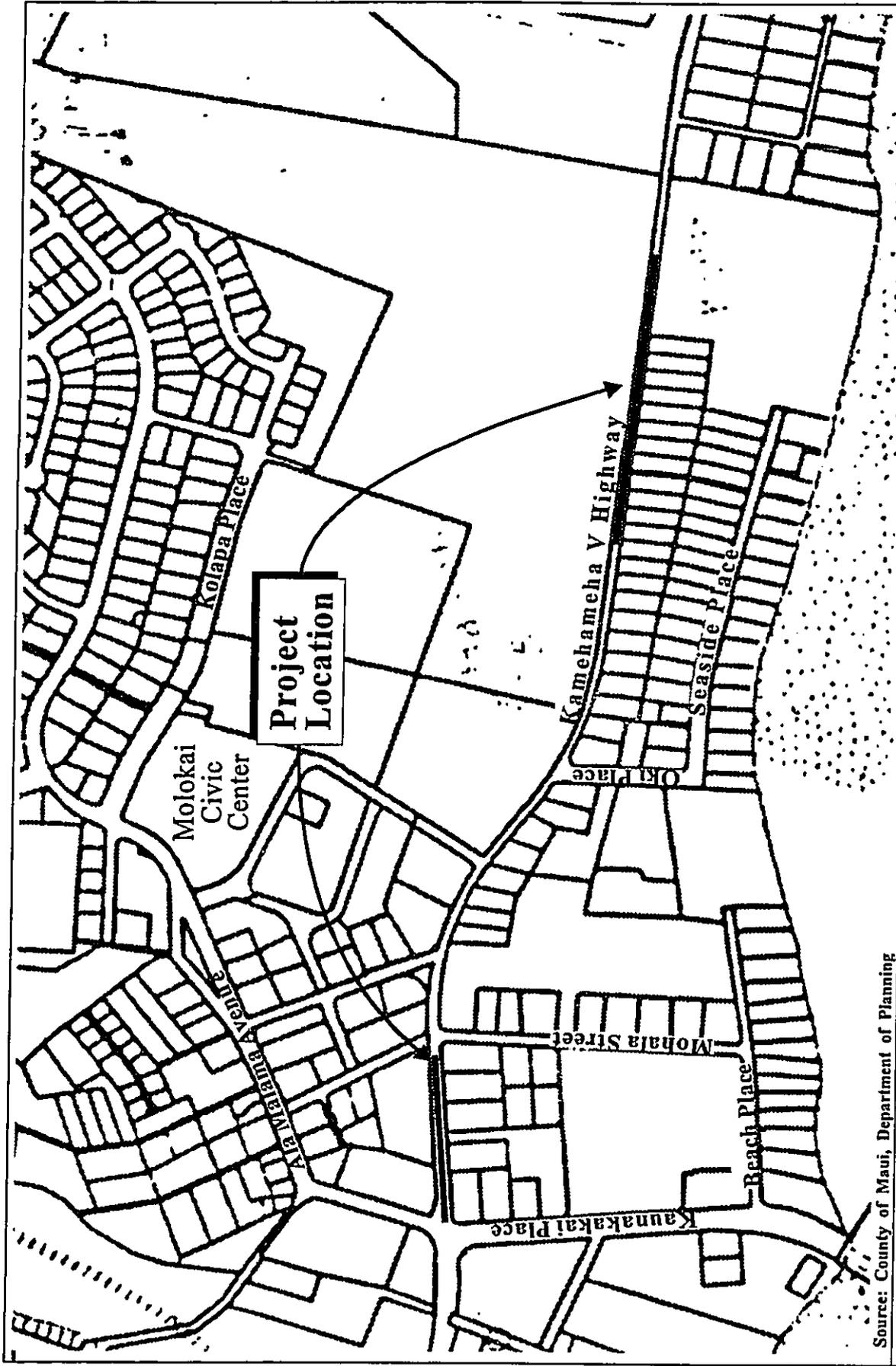
Figure 1

**Kaunakakai Water System Improvements Regional Location Map**



Prepared for: County of Maui, Dept. of Water Supply



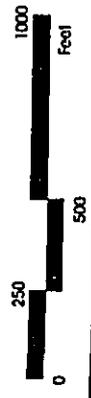


Source: County of Maui, Department of Planning

**Figure 2** Kaunakakai Water System Improvements  
Site Location



Prepared for: County of Maui, Dept. of Water Supply



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replacements, fire hydrants and the air relief valve are being installed to upgrade the system to County standards. The purpose of the proposed improvements are to upgrade the water distribution and fire protection system in the area.

The waterline is proposed to be located near the existing pavement edge on the south (makai) side of Kamehameha V Highway. Construction is expected to be by mechanical backhoe. Trenching is anticipated to be approximately 30 inches wide with at least 3 feet of cover over the waterline. No more than 300 feet of trench is anticipated to remain open at any one time. Excavated material or other appropriate stable base material are expected to be utilized for fill. After restoring the original grade, temporary asphalt patches will be installed to be followed by permanent asphalt paving. Reconstruction and resurfacing of roadways shall be coordinated with the State Department of Transportation.

Construction start is anticipated to be in June 1999 with completion anticipated in September 1999. The estimated construction cost is \$475,000.

# **Chapter II**

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***Description of the  
Existing Environment***

## **II. DESCRIPTION OF THE EXISTING ENVIRONMENT**

### **A. PHYSICAL ENVIRONMENT**

#### **1. Surrounding Land Uses**

The project site is located in Kaunakakai, Molokai within the Kamehameha V Highway right-of-way. Along the mauka side of the western waterline segment, there are the Rawlins Chevron service station, the Kaunakakai branch of Bank of Hawaii, Molokai Education Center, Molokai Electric warehouse, and Atlas Building Supply. On the makai side across from Rawlins Chevron is an empty lot. There are also the Molokai Visitors Association office, The Travel Shoppe, GTE Hawaiian Tel office, a vacant lot and the Lucy Wilhelm Center.

Along the mauka side of the eastern waterline segment, there are ballfields which are part of the "Duke" Maliu Regional Park, and the new Molokai Education Center, currently under construction. On the makai side are single family residences. Closer to the eastern terminus of the project, land on the makai side is vacant.

#### **2. Climate**

Hawaii's tropical location accounts for uniform weather conditions throughout the year. Climatic conditions on Molokai are characterized by mild and consistent year round temperatures, moderate humidity and steady northeasterly tradewinds. Variations in Molokai's weather are attributable to regional topographical and climatic conditions.

Kaunakakai is situated in the south central portion of the island near sea level. Average annual rainfall is approximately 15 inches near the coast. At the upper reaches of the watershed, rainfall

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increases to approximately 75 inches per year. The months of October through March are typically the wetter periods of the year, with April to September being typically the drier months. Mean temperatures range from 69 degrees Fahrenheit in January to 76 degrees Fahrenheit in August.

The winds off Kaunakakai are predominantly northeasterly tradewinds. However, as these winds round the eastern tip of the island and veer westerly along the southern coast, they produce easterly prevailing winds.

3. **Topography and Soils**

The westerly segment of the waterline ranges from approximately 4 to 6 feet above sea level. The easterly segment is approximately 6 feet above sea level. Topography in the region ranges from a flat coastal plain to steep slopes and gulches in the mountains behind Kaunakakai Town.

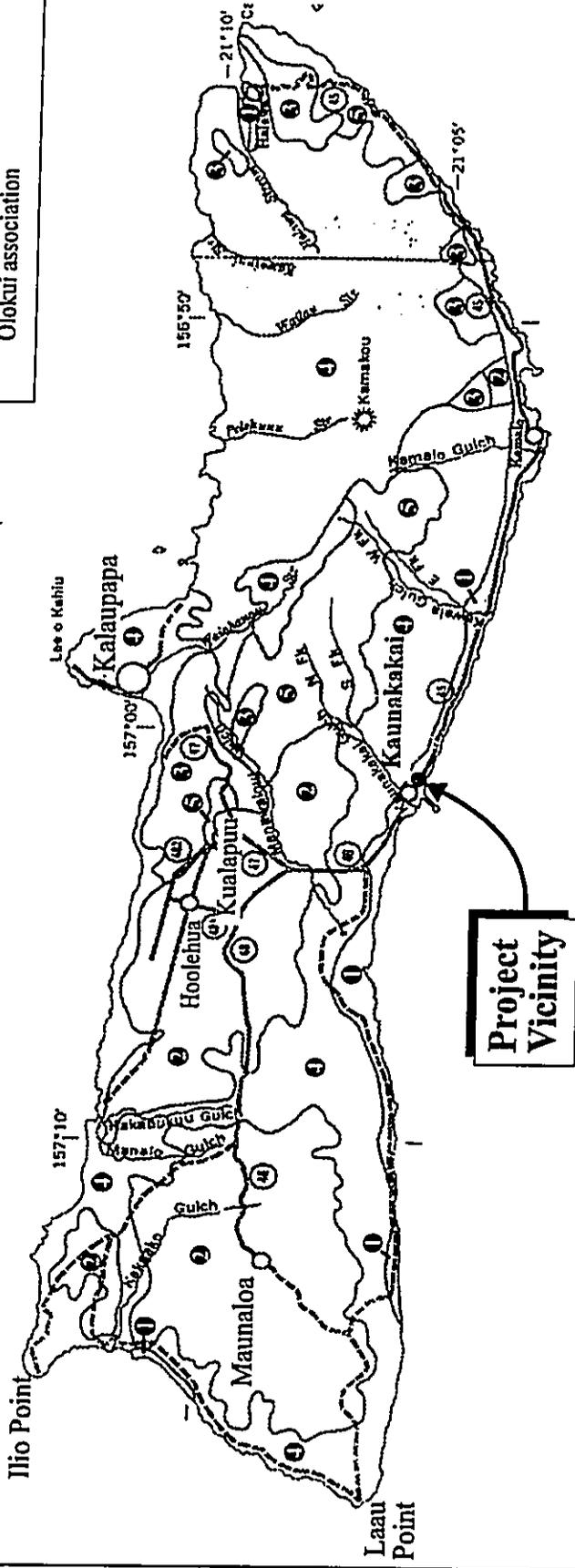
Underlying the project site and adjacent lands are soils of the Pulehu-Ewa-Jaucas association. The soils are deep, nearly level and gently sloping, excessively drained and well-drained soils that have coarse-textured to fine-textured underlying material; on alluvial fans and in drainageways. See Figure 3.

The soil type at the westerly segment of the project is Kealia silt loam (KMW). Mala silty clay, 0 to 3 percent slopes (MmA) is the soil type for the easterly segment. See Figure 4.

Kealia silt loam (KMW) is poorly drained and has a high content of salt. Ponding occurs in low areas after a heavy rain. When the

**KEY**

- 1 Jaucas-Mala Pulehu association
- 2 Molokai-Lahaina association
- 3 Kahanui-Kalae-Kanepuu association
- 4 Very stony land-Rock-Oli association
- 5 Rough broken land-Oli association
- 6 Rough mountainous land-Amaluh-Olokui association



Pacific Ocean

Source: USDA Soil Conservation Service

**Figure 3** Kaunakakai Water System Improvements  
Soil Association Map



Prepared for: County of Maui, Dept. of Water Supply

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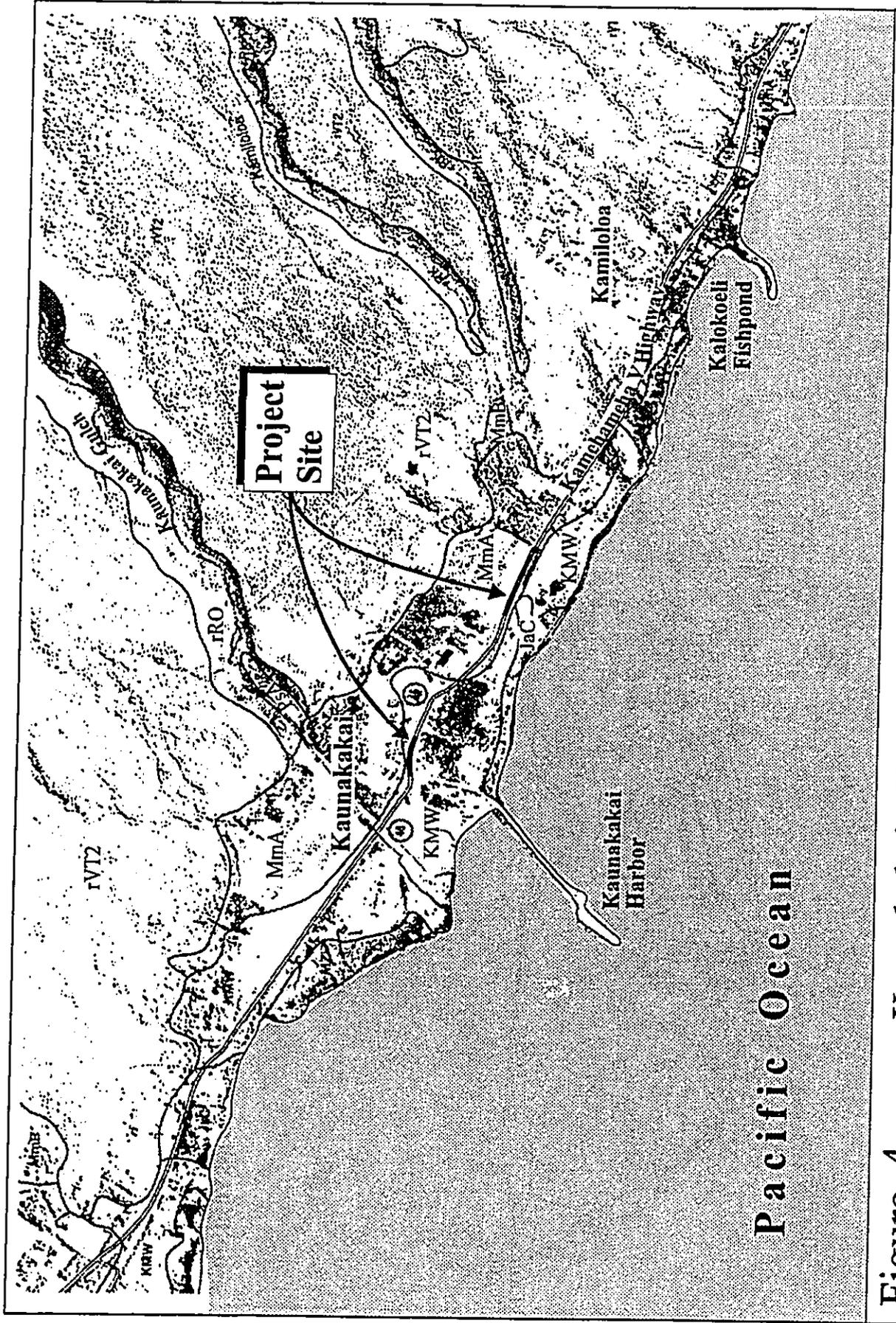


Figure 4 Kaunakakai Water System Improvements  
Soils Classification Map



Prepared for: County of Maui, Dept. of Public Works and Waste Management

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soil dries, salt crystals accumulate on the surface. Permeability is moderately rapid while runoff is slow to very slow.

Mala silty clay, 0 to 3 percent slopes (MmA) are considered well-drained soils on bottoms of drainageways and on alluvial fans on the coastal plains. Permeability is moderate. Runoff is slow and the erosion hazard is no more than slight.

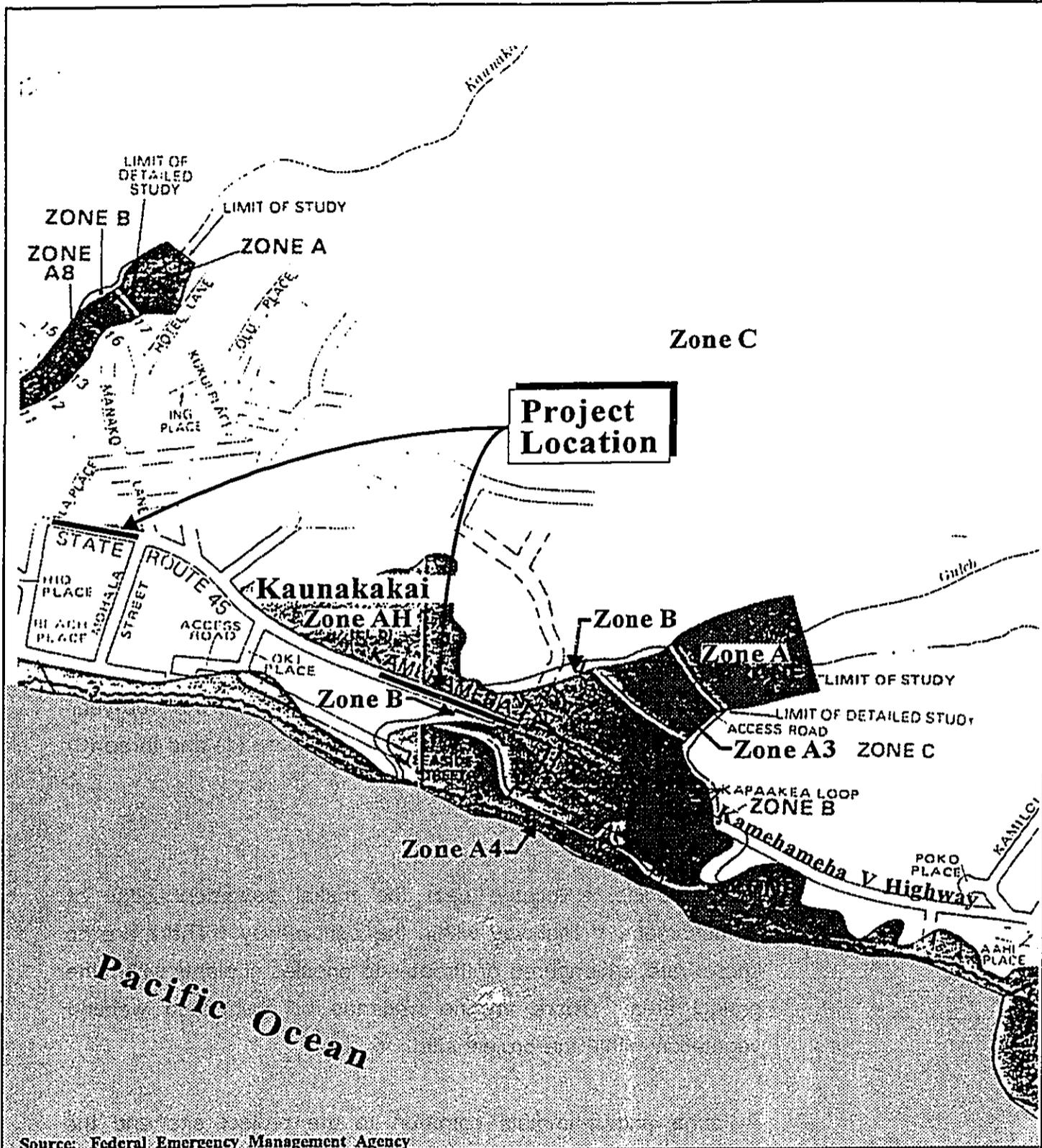
4. **Flood and Tsunami Hazard**

Most of the project site is located in Zone C, an area of minimal flooding. Near the eastern terminus of the project site, approximately 100 lineal feet is located in Zone B, areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths of less than one (1) foot or where the contributing drainage area is less than one (1) square mile; or areas protected by levees from the base flood. An additional 100 lineal feet is in Zone AH, areas of the 100-year shallow flooding where depths are between one (1) and three (3) feet. See Figure 5.

5. **Flora and Fauna**

The waterline is located near the makai pavement edge of Kamehameha V Highway within the right-of-way. There are no known rare, endangered or threatened species of plants within the project area. There are no wetlands or associated wetland vegetation within the project site.

Avifauna and mammals common to the project site and the surrounding region include introduced feral animals (deer, goat, mongoose, wild pig), and approximately nine (9) species of native



Source: Federal Emergency Management Agency

Figure 5

Kaunakakai Water System Improvements  
Flood Insurance Rate Map



Prepared for: County of Maui, Dept. of Water Supply



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birds, of which five (5) are listed as endangered by the U.S. Fish and Wildlife Service and the State of Hawaii. These species are the Hawaiian Coot, Hawaiian Common Moorhen, Hawaiian Stilt, Molokai Creeper, and Molokai Thrush. The coot, moorhen and stilt are waterbirds which make their home in fishponds along the south coast of Molokai. The Molokai Creeper and Molokai Thrush are endemic to the island of Molokai. The habitat for these species is above the 2,000 foot elevation.

6. **Archaeological Resources**

The project site has been previously disturbed by the construction of the roadway. There are also underground water, sewer, and drainlines within the right-of-way. There are no surface archaeological features within the project site.

7. **Scenic and Open Space Resources**

The western segment of waterline is located within a commercial section of Kaunakakai Town. The eastern segment is bounded by the "Duke" Maliu Regional Park and Molokai Education Center (currently under construction) on the mauka side. Single family residences and vacant land abut the makai side of the eastern waterline segment. The subject property is not part of a scenic corridor.

B. **SOCIO-ECONOMIC ENVIRONMENT**

1. **Population**

The resident population of the island of Molokai (excluding Kalawao), as determined by the 1990 Census, is 6,587. Kaunakakai remains the population center of Molokai with 2,658 residents, followed by Kualapuu with 1,661 residents. There are

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approximately 2,088 Molokai households represented by an average of 3.22 persons per household (Maui County Data Book 1996-97, July 1997).

2. **Economy**

Generally, much of Molokai's agricultural activity involves ranching and diversified agriculture. Ranching operations include primarily cattle production, although sheep production may become economically feasible. Agricultural crops, such as watermelon, corn and other types of vegetables, will continue to be produced. Coffee production has also been initiated.

With regard to the visitor industry, 83,310 westbound visitors arrived on Molokai. Eastbound arrivals were represented by 11,260 visitors.

Molokai's total of 94,570 visitor arrivals represents four (4) percent of the 2,209,980 total visitor arrivals for Maui County (Maui County Data Book 1996-97, July 1997).

C. **PUBLIC SERVICES**

1. **Police and Fire Protection**

Police services on Molokai are provided by the Maui County Police Department. The Molokai station is located in the Mitchell Paule Center in Kaunakakai.

Fire prevention, protection and suppression services are provided by the Maui County Fire Department. The Fire Department maintains stations in Kaunakakai and Hoolehua, and a substation in Pukoo.

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Both the police and fire stations in Kaunakakai are located a short walking distance away from the project site.

**2. Health Care**

Molokai General Hospital, which is owned by Queen's Health Systems on Oahu, is the only major medical facility on the island. The hospital is located in Kaunakakai, in close proximity to the project site. The 30-bed facility provides long-term, acute, and obstetrics care services.

Other medical facilities include the Molokai Family Health Center in Kaunakakai. In addition, the Women's Health Center located at the hospital, provides mid-wife and maternity services for local residents.

**3. Solid Waste**

Except for remote areas, single family solid waste collection service is provided by Maui County on a weekly basis.

Solid waste is collected by County refuse collection crews and disposed of at the recently opened landfill at Palaau. In addition to County-collected refuse, the landfill accepts commercial waste from private collection companies.

**4. Recreational Resources**

The island of Molokai offers a wide range of recreational opportunities. Outdoor activities include bicycling, boating, camping, diving, fishing, golfing, hiking, horseback riding, hunting, surfing, swimming, tennis, and windsurfing.

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5. **Schools**

There are five (5) public schools on Molokai. Four (4) are public elementary schools, Kaunakakai, Kilohana, Kualapuu, and Maunaloa, providing elementary school education for children from Kindergarten through Grade 6. There is one (1) secondary school, Molokai High and Intermediate School, located in Hoolehua.

Private schools include Molokai Christian Academy (Grades K-12) and Molokai Mission School (Grades 1-8).

Molokai Education Center, a satellite program of Maui Community College, offers post-secondary, vocational and technical credit courses in Kaunakakai. The current facility abuts the project's western waterline segment along Kamehameha V Highway. The new facility is currently under construction on the mauka side of the project's eastern segment.

**D. INFRASTRUCTURE**

1. **Transportation Systems**

Maunaloa Highway links Kaunakakai with the western portion of the island. Kamehameha V Highway extends along the shoreline providing access to eastern portions of Molokai.

County roads run through residential, commercial, light industrial and public facility areas in the remainder of Kaunakakai. Due to the rural character of the town, traffic is light and does not reach congested conditions, except for short periods.

Molokai is served by a commercial aviation airfield in Hoolehua, approximately seven (7) miles from Kaunakakai. Paragon Air,

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Aloha Island Air, and Hawaiian Airlines provide regularly scheduled daily passenger flights to and from Molokai.

Kaunakakai Harbor, located approximately 3,000 feet from the project site, is Molokai's only commercial harbor. Its pier extends 691 lineal feet. Facilities include 8,800 square feet of covered storage area and 128,000 square feet of open storage area (County of Maui Data Book 1996-97, July 1997).

2. **Wastewater System**

Most regions of Molokai are not served by a wastewater treatment system. The Kaunakakai Wastewater Treatment Plant, built in 1987, provides service to the Kaunakakai area. Residents within one (1) mile of the plant are linked to the wastewater system. The Kaunakakai facility has a capacity of 300,000 gallons per day (gpd) and a cumulative allocated capacity of 287,000 gpd.

Residents situated beyond the Kaunakakai service area utilize either cesspools or septic tanks. The County of Maui provides cesspool pumping services to readily accessible areas.

3. **Drainage**

Within areas mauka of the western segment of the proposed waterline within the Kaunakakai business district, there are no existing drainage systems. All surface flows are carried along the streets. An inlet catch basin system is located at the intersection of Kamehameha V Highway and Ala Malama Avenue. A 24-inch culvert conveys flows across Kamehameha V Highway to a grassed ditch on the south side of the highway.

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Near the eastern segment of the waterline, flows are conveyed from upper Kaunakakai via a grassed swale which extends along the east boundary of Kaunakakai Elementary School. As it reaches Kamehameha V Highway, the swale then turns 90 degrees to the east and extends along the mauka side of the highway. Flows are conveyed to the makai side of the road by two (2) culverts. A 24-inch culvert is located across the "Duke" Maliu Regional Park. A 10-foot wide by 3 feet high box culvert is located near the terminus of the eastern segment of the proposed waterline across from the new Molokai Education Center.

**4. Electric and Telephone Services**

Electrical and telephone services are provided by Molokai Electric Company and GTE Hawaiian Telephone, respectively.

# **Chapter III**

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## **Potential Impacts and Mitigation Measures**

### **III. POTENTIAL IMPACTS AND MITIGATION MEASURES**

#### **A. PHYSICAL ENVIRONMENT**

##### **1. Surrounding Uses**

The project is located within and near Kaunakakai Town within an existing right-of-way. With the exception of fire hydrants, the proposed improvements are located underground. After construction of the improvements, disturbed areas shall be restored to pre-construction conditions to the greatest extent practicable. The proposed project is not anticipated to have any adverse effects on surrounding land uses.

##### **2. Topography and Soil Characteristics**

The proposed project will involve trenching for the waterlines and other improvements. The finished contours will follow existing grades and will not disturb the slope and land use characteristics of the project site and surrounding properties.

##### **3. Flora and Fauna**

There are no known significant habitats or rare, endangered or threatened species of flora and fauna at the subject property. The proposed action is therefore not considered an adverse impact upon these environmental features.

##### **4. Air Quality and Noise**

Air quality impacts attributed to the project will include minimal dust generated by short-term construction-related activities.

Construction within or adjacent to the right-of-way is expected to be by backhoe with open trenching not to exceed 300 feet in length. After the necessary fill is placed over a completed section of

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waterline, the affected section of roadway will be paved with asphalt. Because of the small area of exposed surfaces at any one time, dust impacts are expected to be minimal.

Ambient noise conditions will be temporarily impacted by construction activities. All construction activities will be limited to daylight working hours. The contractor will be required to coordinate with the State Department of Health regarding applicable noise permits.

In order to avoid existing utilities and drainlines, certain segments of proposed waterline may need to be laid deeper than three (3) feet below the existing ground surface. These portions of waterline may require dewatering during construction. Temporary air quality and noise impacts may result from the use of dewatering pump operations.

In the long-term, the project will not result in any change in air quality or noise parameters.

5. Visual Resources

Except for the fire hydrants, the proposed project will be located underground and will have no significant impact on visual resources. The proposed project is not anticipated to adversely impact the open space and scenic character of the area.

6. Archaeological Resources

The site has already been disturbed and thus contains no surface archaeological materials. Should human osteological remains be uncovered during construction activities, applicable procedures to

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ensure compliance with Chapter 6E, HRS, will be followed.

**B. IMPACTS TO COMMUNITY SETTING**

**1. Population and Local Economy**

On a short-term basis, the project will support construction and construction-related employment.

In the long term, the proposed project upgrades the water distribution and fire protection system in Kaunakakai. Although not a direct economic benefit, the proposed infrastructure improvements will maintain the economic viability as well as the health and safety of the community.

**2. Public Services**

The proposed water system improvements are not expected to increase the resident or visitor population. As such, the proposed project is not anticipated to affect the service area limits or requirements for emergency services, such as police, fire and medical services. Furthermore, the project will not affect recreational facilities and public schools.

**3. Solid Waste**

A solid waste management plan will be developed in coordination with the Solid Waste Division of the County Department of Public Works and Waste Management for the disposal of clearing and grubbing material from the site during construction.

**C. IMPACTS TO INFRASTRUCTURE**

**1. Roadways**

During construction, at least one (1) lane of traffic will remain open

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at all times. It is anticipated that open trenches shall be covered during non-work (i.e., nighttime, weekends, holidays) to allow use of two (2) travel lanes.

In the long term, the project should have no effect on area roadways. After installation of the waterlines, the project would involve filling and resurfacing of the affected roadways to restore it to pre-construction conditions.

2. **Wastewater**

No impacts are anticipated to the County's wastewater system since the proposed project does not require connections to the County's sewer system and should not affect existing sewerlines within the right-of-way.

3. **Drainage**

During construction, the extent of open trenching will be limited to no more than 300 feet. As waterline segments are completed, the trench along that section will be filled and temporary asphalt will be placed on the fill. Silt barricades or other appropriate siltation control measures shall be implemented.

Dewatering may also be warranted for limited segments of waterline construction which would be below the water table. All discharges will be pumped to a County or other acceptable drainage system by the use of pipes or other acceptable means. Should dewatering be necessary, the contractor shall comply with all applicable Federal, State and County provisions.

In the long term, the project will not affect the extent of

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impermeable surface and thus will not increase runoff rates. Development of the proposed project is not expected to cause any adverse effects to adjacent or downstream properties.

4. **Electric and Telephone Services**

The contractor shall be required to coordinate trenching and excavation near utility poles with Molokai Electric Company and GTE Hawaiian Telephone. The proposed project is not anticipated to adversely impact electrical and telephone services in the Kaunakakai region.

# **Chapter IV**

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***Relationship to Governmental  
Plans, Policies and Controls***

#### **IV. RELATIONSHIP TO GOVERNMENTAL PLANS, POLICIES AND CONTROLS**

##### **A. STATE LAND USE DISTRICTS**

Chapter 205, Hawaii Revised Statutes, relating to the Land Use Commission, establishes the four (4) major land use districts in which all lands in the State are placed. These districts are classified "Urban", "Rural", "Agricultural", and "Conservation". The western segment is located within the Urban District, while the eastern segment is within the Agricultural District. See Figure 6. The proposed action involves waterline construction which is compatible with the "Urban" and "Agricultural" classifications.

##### **B. MAUI COUNTY GENERAL PLAN**

The Maui County General Plan sets forth broad objectives and policies to help guide the long-range development of the County. As stated in Section 8-8.5 of the Maui County Charter:

The General Plan shall recognize and state the major problems and opportunities concerning the needs and the development of the County and the social, economic and environmental effects of such development and shall set forth the desired sequence, patterns and characteristics of future development.

The proposed action is in keeping with the following General Plan objective and policy:

**Objective:** To provide an adequate supply of potable and irrigation water to meet the needs of Maui County's residents.

**Policy:** Develop improved systems to provide better fire protection.

##### **C. MOLOKAI COMMUNITY PLAN**

The subject project is located in the Molokai Community Plan region

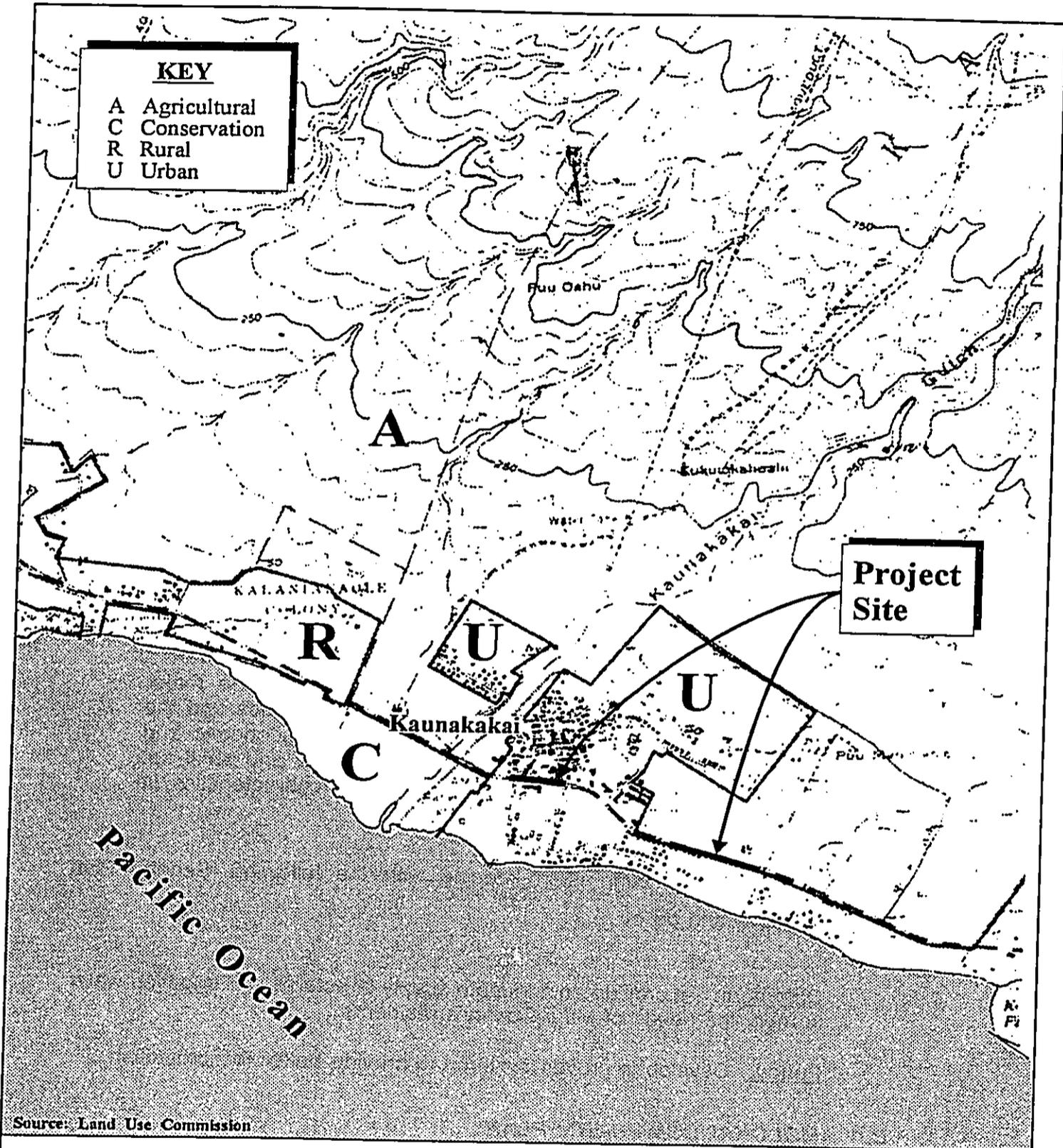


Figure 6

**Kaunakakai Water System Improvements**  
 State Land Use Classification



Prepared for: County of Maui, Dept. of Water Supply

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which is one (1) of nine (9) Community Plan regions established in the County of Maui. Planning for each region is guided by the respective Community Plans, which are designed to implement the Maui County General Plan. Each Community Plan contains recommendations and standards which guide the sequencing, patterns and characteristics of future development in the region.

The westerly segment of the proposed improvements is aligned adjacent to areas designated Business and Light Industrial on the Molokai Community Plan Land Use Map. The easterly segment is adjacent to Park, Public/Quasi-Public and Single Family Residential designations. See Figure 7. The proposed project is not contrary to the land use designations noted in the Community Plan. The proposed project is in keeping with the following Molokai Community Plan policy:

Improve current water quality and distribution system and develop new water sources for the Molokai Community Plan area.

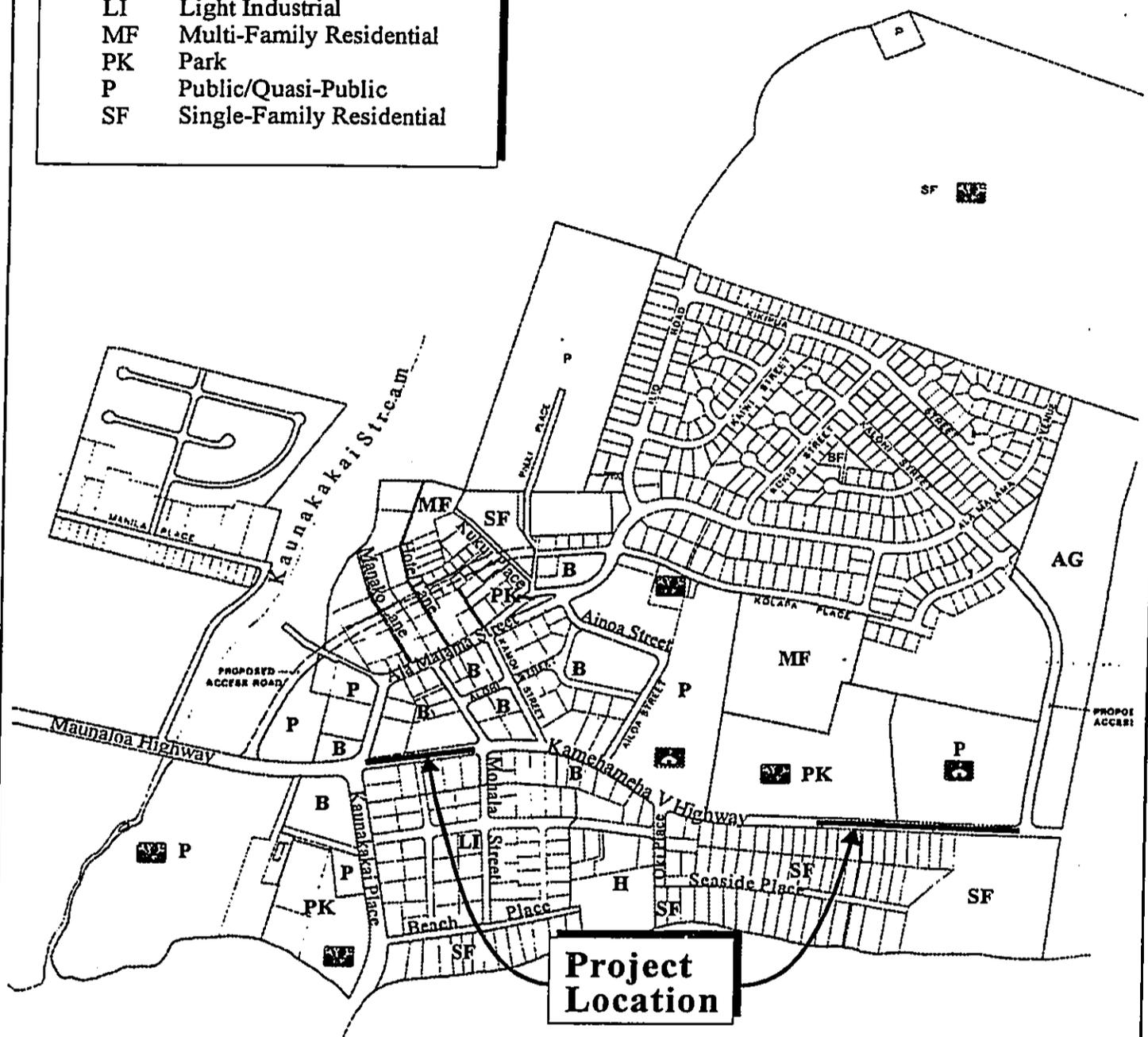
**D. COUNTY ZONING**

The waterline alignment within roadway rights-of-way are not zoned. The proposed project is not contrary to County zoning provisions.

**E. COUNTY OF MAUI SPECIAL MANAGEMENT AREA**

The subject site is located within the County of Maui's Special Management Area (SMA). However, the proposed action is considered exempt since it is not defined as a "development" in Section 205A-22, Hawaii Revised Statutes. Development does not include "installation of underground utility lines and appurtenant above ground fixtures less than four (4) feet in height along existing corridors".

KEY	
AG	Agricultural
B	Business/Commercial
H	Hotel/Resort
LI	Light Industrial
MF	Multi-Family Residential
PK	Park
P	Public/Quasi-Public
SF	Single-Family Residential



Source: County of Maui, Planning Department

Figure 7

Kaunakakai Water System Improvements  
Community Plan Land Use Designations



Prepared for: County of Maui, Dept. of Water Supply

NOT TO SCALE

# **Chapter V**

---

***Summary of Unavoidable  
Adverse Environmental Effects;  
Alternatives to the Proposed Action;  
and Irreversible and Irretrievable  
Commitment of Resources***

**V. SUMMARY OF UNAVOIDABLE ADVERSE ENVIRONMENTAL EFFECTS; ALTERNATIVES TO THE PROPOSED ACTION; AND IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT OF RESOURCES**

**A. UNAVOIDABLE ADVERSE ENVIRONMENTAL EFFECTS**

The proposed project will result in some construction-related impacts as described in Chapter III, Potential Impacts and Mitigation Measures.

Potential effects include noise generated impacts occurring from construction activities. In addition, there may be exhaust emissions discharged by construction equipment. Dewatering may also be warranted for limited segments of the waterline.

The proposed project is not anticipated to create significant, long-term environmental effects.

**B. ALTERNATIVES TO THE PROPOSED ACTION**

**1. No Action Alternative**

The no action alternative would leave the water distribution system in its present state. Over time, this course of action may result in increased leakages in the system and non-efficient use of resources.

**2. Proposed Action**

The proposed action would enable the upgrading of the water distribution and fire protection system on a timely basis. Construction of larger waterlines and additional fire hydrants allows additional flows which aid fire fighting capability. This is considered beneficial from a public health and safety standpoint. Moreover, the infrastructure improvements contribute to the long-term economic stability of the community.

---

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT OF RESOURCES

The proposed project would involve the commitment of fuel, land, labor, and material resources. The commitment of these resources for the project is not deemed detrimental.

# ***Chapter VI***

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## ***Findings and Conclusions***

## **VI. FINDINGS AND CONCLUSIONS**

The proposed project involves the construction of waterline improvements, fire hydrants and related appurtenances in Kaunakakai, Molokai, Hawaii.

Every phase of the proposed action, expected consequences, both primary and secondary, and the cumulative as well as the short-term and long-term effects of the action have been evaluated in accordance with the Significance Criteria of Section 11-200-12 of the Administrative Rules. Based on the analysis, the proposed project will not result in any significant impacts. Discussion of project conformance to the criteria is noted as follows:

1. **No irrevocable commitment to loss or destruction of any natural or cultural resource would occur as a result of the proposed project**

The project will not adversely affect slope and land use characteristics of the surrounding area.

The proposed waterline and related improvements are located within existing right-of-way corridors and other disturbed areas. Should any cultural remains be discovered during construction, applicable procedures to ensure compliance with Chapter 6E, HRS, will be followed.

2. **The proposed action would not curtail the range of beneficial uses of the environment**

The proposed project would not have a significant effect on the range of beneficial uses of the environment.

3. **The proposed action does not conflict with the State's long-term environmental policies or goals or guidelines as expressed in Chapter 344, Hawaii Revised Statutes**

The State Environmental Policy and Guidelines are set forth in Chapter

---

344, Hawaii Revised Statutes and were reviewed in connection with the proposed project. The proposed action is in consonance with the State's long-term environmental policies and goals of Chapter 344, HRS.

4. **The economic or social welfare of the community or State would not be substantially affected**

The proposed project upgrades the water distribution and fire protection system in Kaunakakai which enhance public safety and welfare. The project will have no adverse effect upon social welfare parameters.

5. **The proposed action does not affect public health**

The project results in maintenance of public health and safety standards by ensuring reliable water and fire protection needs for the long term.

6. **No substantial secondary impacts, such as population changes or effects upon public facilities, are anticipated**

No significant secondary impacts are anticipated from the project.

Except for temporary construction impacts, the proposed project is not anticipated to have a significant effect upon the area's roadways. The project does not require a connection to the County's sewer system and should not affect existing sewerlines within the right-of-way. Drainage patterns will remain unchanged. The project is not expected to impact public services, such as police, fire and medical services. Impacts upon recreational, educational and solid waste parameters are also negligible.

7. **No substantial degradation of environmental quality is anticipated**

During the construction phase of the project, there will be short-term air quality and noise impacts as a result of the project. In the long term, there should be no effect upon air quality and noise parameters. The

---

project should not affect the open space and scenic character of the area.

No degradation of environmental quality resulting from the project is anticipated.

8. **The proposed action does not involve a commitment to larger actions, nor would cumulative impacts result in considerable effects on the environment**

The proposed project does not involve a commitment to larger actions.

9. **No rare, threatened or endangered species or their habitats would be adversely affected by the proposed action**

There are no rare, threatened or endangered species of flora, fauna or avifauna or their habitats within the project site.

10. **Air quality, water quality or ambient noise levels would not be detrimentally affected by the proposed project**

Construction activities will result in short-term air quality and noise impacts. Dust control will be accomplished by minimizing the amount of open trench and placement of a temporary asphalt patch on completed sections of work. Noise impacts will occur primarily from construction-related activities. It is anticipated that construction will be limited to daylight working hours.

In the long term, the project is not anticipated to have a significant impact on air quality or noise parameters.

---

11. **The Proposed Project Would Not Affect Environmentally Sensitive Areas, Such as Flood Plains, Tsunami Zones, Erosion-prone Areas, Geologically Hazardous Lands, Estuaries, Fresh Waters or Coastal Waters**

The project is not located within and would not affect environmentally sensitive areas. The underground waterlines will not alter flood elevations nor affect stormwater runoff patterns. Soils of the project site are not erosion-prone. There are no geologically hazardous lands, estuaries, or coastal waters within or adjacent to the project site.

12. **The Proposed Action Would Not Substantially Affect Scenic Vistas and Viewplanes Identified in County of State Plans or Studies**

The proposed action does not affect scenic vistas and viewplanes.

13. **The Proposed Action Would Not Require Substantial Energy Consumption**

The proposed action is not anticipated to affect energy consumption patterns.

Based on the foregoing findings, it is concluded that the proposed action will not result in any significant impacts.

# ***Chapter VII***

---

***Agencies/Organizations  
Consulted in the Preparation  
of the Environmental Assessment  
and Responses Received***

**VII. AGENCIES/ORGANIZATIONS CONSULTED IN THE PREPARATION OF THE ENVIRONMENTAL ASSESSMENT AND RESPONSES RECEIVED**

1. Lisa Nuyen, Director  
County of Maui  
Department of Planning  
250 South High Street  
Wailuku, Hawaii 96793
2. Tom Phillips, Chief  
County of Maui  
Police Department  
55 Mahalani Street  
Wailuku, Hawaii 96793
3. Charles Jencks, Director  
County of Maui  
Department of Public Works  
and Waste Management  
200 South High Street  
Wailuku, Hawaii 96793
4. Greg Kauhi, Distribution Supervisor  
Maui Electric Company, Ltd.  
P.O. Box 398  
Kahului, Hawaii 96732
5. Neal Fujiwara, Soil Conservationist  
Natural Resources Conservation Service  
U.S. Department of Agriculture  
210 Imi Kala Street, Suite 209  
Wailuku, Hawaii 96793-2100
6. Lolly Silva  
Department of the Army  
U.S. Army Engineer District, Hnl.  
Attn: Operations Division  
Bldg. T-1, Room 105  
Fort Shafter, Hawaii 96858-5440
7. Brooks Harper  
U. S. Fish and Wildlife Service  
P.O. Box 50167  
Honolulu, Hawaii 96850
8. Bradley Mossman, Director  
State of Hawaii  
Office of Planning  
Department of Business, Economic,  
Development and Tourism  
P.O. Box 2359  
Honolulu, Hawaii 96804
9. Herbert Matsubayashi  
District Environmental Health  
Program Chief  
State of Hawaii  
Department of Health  
54 High Street  
Wailuku, Hawaii 96793
10. Don Hibbard  
State of Hawaii  
Department of Land and Natural  
Resources  
State Historic Preservation Division  
33 South King Street, 6th Floor  
Honolulu, Hawaii 96813
11. Robert Siarot, Maui District Engineer  
State of Hawaii  
Department of Transportation  
Highways Division  
650 Palapala Drive  
Kahului, Hawaii 96732
12. Ronald Davis, Chief  
County of Maui  
Department of Fire Control  
200 Dairy Road  
Kahului, Hawaii 96732
13. Luigi Manera  
Molokai Business Association  
P.O. Box 950  
Molokai, Hawaii 96748



RECEIVED  
DOT-HWYS  
COUNTY OFFICE

1998 NOV 24 PM 3:36

November 23, 1998

Robert Siarot, Maui District Engineer  
State of Hawaii  
Department of Transportation  
Highways Division  
650 Palapala Drive  
Kahului, Hawaii 96732

*Milton -  
No comments. Have  
commitment submit plans  
for review*  
*[Signature]*  
11/23/98

SUBJECT: Kaunakakai Water System Improvements

Dear Mr. Siarot:

*(ME 98-78)*

The County of Maui, Department of Water Supply (DWS) proposes the construction of waterline appurtenances for fire protection and water system improvement purposes in Kaunakakai on the Island of Molokai. The proposed action will involve the installation of approximately 1,700 linear feet of 12-inch pipeline in two (2) sections along Kamehameha V Highway, lateral replacements, fire hydrants, and other appurtenances. The enclosed Figures 1 and 2 show the location and vicinity of the proposed action.

Because County funds are being used for this project, an environmental assessment will be prepared pursuant to Chapter 343, Hawaii Revised Statutes.

As part of the DWS' effort to solicit early consultation input, we are, on behalf of the DWS, seeking any comments you may have relative to the proposed action. Receipt of your written comments by December 18, 1998 would be appreciated.

If there are any questions regarding the proposed improvements, please do not hesitate to call.

Very truly yours,

*[Signature]*  
*for*

Milton M. Arakawa, Project Manager

MA:to

Enclosures

cc: Herbert Kogasaka, Department of Water Supply (w/enclosures)  
Eric Yamashige, Ronald M. Fukumoto Engineering, Inc. (w/enclosures)

file:///kaka/agency.htm

DEC 09 1998



**DEPARTMENT OF BUSINESS,  
ECONOMIC DEVELOPMENT & TOURISM**

BENJAMIN J. CAYETANO  
GOVERNOR  
SEJIF. NAYA  
DIRECTOR  
BRADLEY J. MOSSMAN  
DEPUTY DIRECTOR  
RICK EGGED  
DIRECTOR, OFFICE OF PLANNING

**OFFICE OF PLANNING**

235 South Beretania Street, 6th Flr., Honolulu, Hawaii 96813  
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804

Tel.: (808) 587-2846

Fax: (808) 587-2824

Ref. No. P-7827

November 30, 1998

Mr. Milton M. Arakawa  
Project Manager  
Munekiyo, Arakawa, & Hiraga, Inc.  
350 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

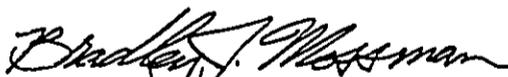
Subject: Kaunakakai Water System Improvements

The Kaunakakai Water System Improvement project proposes to construct waterline appurtenances for fire protection and water system improvements. We support the project.

We recommend that an assessment of the proposed project's compliance with the Coastal Zone Management (CZM) objectives and policies of Chapter 205A, Hawaii Revised Statutes, be incorporated in the environmental assessment document. In addition, since soil erosion and other polluted runoff would likely occur during and after construction, the mitigation measures to control them should also be described.

If there are any questions, please contact Steve Olive of our CZM Program at 587-2877.

Sincerely,

  
Bradley J. Mossman  
Director  
Office of Planning

cc: Lisa M. Nuyen, Maui Planning Department

DEC 0 2 1998



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

REPLY TO  
ATTENTION OF

November 30, 1998

Operations Branch

Mr. Milton Arakawa  
Project Manager  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street  
Wailuku, HI 96793

Dear Mr. Arakawa:

This responds to your letter dated November 23, 1998 requesting comments on plans for the Kaunakakai Water System. Based on the sparse information you provided, it appears that a Department of the Army permit will not be required for the project. Please include us on your mailing list for the draft environmental assessment.

If you have any questions concerning this determination please contact Mr. William Lennan of my staff at 438-9258 extension 13 and mention File Number 990000065.

Sincerely

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

DEC 02 1998

BENJAMIN J. CAYETANO  
GOVERNOR



LAWRENCE MIKE  
DIRECTOR OF HEALTH

ALFRED M. ARENSDORF, M.D.  
DISTRICT HEALTH OFFICER

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
MAUI DISTRICT HEALTH OFFICE  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

December 1, 1998

Milton Arakawa  
Munekiyo, Arakawa,  
& Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

Subject: Kaunakakai Water System Improvements

Thank you for the opportunity to provide comments for the construction of the water system improvements. The following comments are offered:

1. The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules, Chapter 11-46, "Community Noise Control". A noise permit may be required and should be obtained prior to the commencement of work.
2. Any construction discharge into state waters will require a National Pollutant Discharge Elimination System (NPDES) permit coverage.

Should you have any questions, please call me at 984-8230.

Sincerely,

  
HERBERT S. MATSUBAYASHI  
District Environmental Health Program Chief

BENJAMIN J. CAYETANO  
GOVERNOR OF HAWAII



STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION  
Kakuhihewa Building, Room 555  
601 Kamehameha Boulevard  
Kapolei, Hawaii 96707

DEC 22 1998

MICHAEL D. WILSON, CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES

DEPUTIES  
GILBERT COLOMA-AGARAN  
TIMOTHY E. JOHNS

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

December 15, 1998

Mr. Milton Arakawa  
Munekiyo, Arakawa & Hiraga Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

LOG NO: 22654 ✓  
DOC NO: 9812SC09

Dear Mr. Arakawa:

**SUBJECT: Chapter 6E-8 Historic Preservation Review of Proposed Kaunakakai Water System Improvements  
Kaunakakai, Moloka'i TMK: 5-3-001, 006, 007**

Thank you for the opportunity to comment on the proposed Kaunakakai Water System Improvements to be carried out by County of Maui, Department of Water Supply (DWS). The DWS proposes to construct waterline appurtenances for fire protection and water system improvements. The project will include the installation of about 1,700 linear feet of 12-inch pipeline in two (2) sections along Kamehameha V Highway in Kaunakakai, and the installation of lateral replacements, fire hydrants, and other appurtenances. Our review is based on historic reports, maps, and aerial photographs maintained at the State Historic Preservation Division; no field inspection was made of the subject parcel.

We would like to request that more specific project plans be provided to our office when available, including the identification of new facilities as well as replacement of existing ones. Until we have the opportunity to assess specific aspects of the proposed undertakings, such as the locations and depths of all actions, we are uncertain of what effects, if any, the subject undertaking may have on significant historic sites.

Should you have any questions, please feel free to call Sara Collins at 692-8026.

Aloha,

  
DON HIBBARD, Administrator  
State Historic Preservation Division

SC:jen

c: Cultural Resources Commission, Maui Png Department, 250 S. High Street, Wailuku, HI 96793  
Ms. Barbara Haliniak, Chair, Molokai Png Commission, P.O. Box 976, Kaunakakai, HI 96748

DEC 1 / 1998

LINDA LINGLE  
Mayor

LISA M. NUYEN  
Director

DONALD A. SCHNEIDER, II  
Deputy Director



CLAYTON I. YOSHIDA  
Planning Division

AARON H. SHINMOTO  
Zoning Administration and  
Enforcement Division

COUNTY OF MAUI  
**DEPARTMENT OF PLANNING**

December 16, 1998

Mr. Milton Arakawa  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

RE: Kaunakakai Water System Improvements

The Maui Planning Department (Department) has received your letter of November 23, 1998 seeking early consultation for the preparation of an Environmental Assessment for the Department of Water Supply. The applicant proposes construction of waterline appurtenances for fire protection and water system improvement purposes in Kaunakakai on the island of Molokai. The proposed action will involve the installation of approximately 1,700 linear feet of 12-inch pipeline in two sections along Kamehameha V Highway, lateral replacements, fire hydrants, and other appurtenances.

The Department recommends that Tax Map Key numbers be used to identify the area. If no parcel number is available, the zone, section, and plat number should be used, and the adjoining parcel numbers could be used to identify the location of the improvement site. This will allow the Department to include this project in the KIVA system as well as assist in locating the sites on the community plan and zoning maps. The Department has no further comments at this time.

Should you have any questions, please contact Julie Higa, Staff Planner, of this office at 243-7814.

Sincerely,

  
for LISA M. NUYEN  
Director of Planning

Mr. Milton Arakawa  
December 16, 1998  
Page 2

LMN:JMH:cmb

c: Clayton Yoshida, AICP, Planning Program Administrator  
Julie Higa, Staff Planner  
Project File  
General File  
S:\ALL\JULIE\MKKWATER\PRELIM.EA

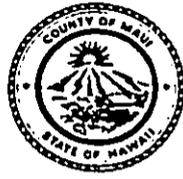
DEC 28 1998

LINDA LINGLE  
Mayor

CHARLES JENCKS  
Director

DAVID C. GOODE  
Deputy Director

Telephone: (808) 243-7845  
Fax: (808) 243-7955



COUNTY OF MAUI  
**DEPARTMENT OF PUBLIC WORKS  
AND WASTE MANAGEMENT**  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

RALPH NAGAMINE, L.S., P.E.  
Land Use and Codes Administration

EASSIE MILLER, P.E.  
Wastewater Reclamation Division

LLOYD P.C.W. LEE, P.E.  
Engineering Division

BRIAN HASHIRO, P.E.  
Highways Division

Solid Waste Division

December 22, 1998

Mr. Milton Arakawa  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

SUBJECT: EARLY CONSULTATION  
KAUNAKAKAI WATER SYSTEM IMPROVEMENTS

We reviewed the subject submittal and have no comments at this time.

If you have any questions, please call David Goode at 243-7845.

Very truly yours,

A handwritten signature in black ink, appearing to read "Charles Jencks", is written over the typed name.

CHARLES JENCKS  
Director of Public Works and Waste  
Management

DG:co/ry  
S:\LUCA\ICZM\WATER.WPD



LINDA LINGLE  
MAYOR

OUR REFERENCE  
YOUR REFERENCE

**POLICE DEPARTMENT**  
COUNTY OF MAUI

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411



THOMAS M. PHILLIPS  
CHIEF OF POLICE

CHARLES H.P. HALL  
DEPUTY CHIEF OF POLICE

December 22, 1998

Mr. Milton M. Arakawa  
Project Manager  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

SUBJECT: Kaunakakai Water System Improvements

Thank you for your letter of November 23, 1998 requesting input regarding the above subject.

We have reviewed the proposed action and have no comments at this time. Thank you for giving us the opportunity to comment on this subject.

Very truly yours,

THOMAS M. PHILLIPS  
Chief of Police

for

# **Chapter VIII**

---

***Letters Received During  
the Draft Environmental  
Assessment Public Comment  
Period and Responses to  
Substantive Comments***

JAN 27 1999



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

REPLY TO  
ATTENTION OF

January 26, 1999

Operations Branch

Mr. Milton Arakawa  
Project Manager  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

This responds to your letter dated January 21, 1999, requesting comments on the draft Environmental Assessment for the Kaunakakai Water System Improvements. Our letter dated November 30, 1998 is still current, and it appears that a Department of the Army permit will not be required for the project. Please include us on your mailing list for the final environmental assessment.

If you have any questions concerning this determination please contact Mr. William Lennan of my staff at (808) 438-9258, extension 13, and mention file number 990000065.

Sincerely

A handwritten signature in cursive script, appearing to read "George P. Young".

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

BENJAMIN J. CAYETANO  
GOVERNOR



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
MAUI DISTRICT HEALTH OFFICE  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

FEB 02 1999

BRUCE S. ANDERSON, Ph.D.  
DIRECTOR OF HEALTH

ALFRED M. ARENSDORF, M.D.  
DISTRICT HEALTH OFFICER

January 29, 1999

Mr. Milton Arakawa  
Project Manager  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

Subject: Draft Environmental Assessment  
Kaunakakai Water System Improvements  
TMK: (2) 5-3-01, 02, 03 & 07

Thank you for the opportunity to comment on the Environmental Assessment. We have the following comments:

1. Any construction discharge into state waters will require a National Pollutant Discharge Elimination System (NPDES) permit coverage.
2. The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules, Chapter 11-46, "Community Noise Control". A noise permit may be required and should be obtained prior to the commencement of work.

Should you have any questions, please call me at 984-8230.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Matsubayashi".

HERBERT S. MATSUBAYASHI  
District Environmental Health Program Chief

c: Cathleen Shimizu-Sakamoto



March 3, 1999

Herbert Matsubayashi  
District Environmental Health Program Chief  
State of Hawaii  
Department of Health  
Maui District Health Office  
54 High Street  
Wailuku, Hawaii 96793

**SUBJECT: Kaunakakai Water System Improvements**

Dear Mr. Matsubayashi:

Thank you for your letter of January 29, 1999 pertaining to the subject project. We offer the following responses to comments noted in your letter.

1. Most of the construction work on the proposed waterline is anticipated to be above the water table. However, limited segments may be below the water table. Should dewatering be necessary, the contractor shall comply with applicable NPDES provisions.
2. The contractor will be responsible for coordinating with the Department of Health on the applicability of a noise permit during the construction phases of the project.

We appreciate your interest and comments on the project. If there are any questions or if additional information is needed, please do not hesitate to contact us.

Very truly yours,

Milton Arakawa, Project Manager

MA:to  
rfe/arakawa/dohitr.001

JAMES "KIMO" APANA  
MAYOR



FEB 0 2 1999

CLAYTON T. ISHIKAWA  
CHIEF

FRANK E. FERNANDEZ, JR.  
DEPUTY CHIEF

**COUNTY OF MAUI**  
DEPARTMENT OF FIRE CONTROL

200 DAIRY ROAD  
KAHULUI, MAUI, HAWAII 96732  
(808) 243-7561  
FAX (808) 243-7919

January 29, 1999

Mr. Milton Arakawa, Project Manager  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

RE: Kaunakakai Water System Improvements

Dear Mr. Arakawa,

Thank you for the opportunity to comment on the draft environmental assessment for the above project.

The Department of Fire Control has no comment on the draft environmental assessment.

If you have any questions, direct them in writing to the Fire Prevention Bureau, 21 Kinipopo Street, Wailuku, HI 96793.

Sincerely,

A handwritten signature in cursive script, reading "Leonard F Niemczyk".

LEONARD F NIEMCZYK

Captain, Fire Prevention Bureau

cc: Inspector S. English

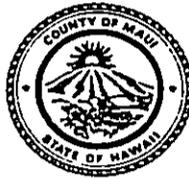
MFD-DEA Kaunakakai Water System (01-99)

FEB 22 1999

JAMES "KIMO" APANA  
Mayor

JOHN E. MIN  
Director

CLAYTON I. YOSHIDA  
Deputy Director



COUNTY OF MAUI  
**DEPARTMENT OF PLANNING**

February 22, 1999

Mr. Milton Arakawa, Project Manager  
Munekiyo, Arakawa & Hiraga, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

RE: Draft Environmental Assessment (EA) - Kaunakakai Water System  
Improvements, Tax Map Key 5-3-1, 5-3-2, 5-3-3 and 5-3-7,  
Kaunakakai, Molokai

Thank you for submitting the Draft EA to the Maui Planning Department (Department) for review and comment. The Department of Water Supply is proposing to construct waterline improvements, lateral replacements, fire hydrants and other appurtenances in Kaunakakai, Molokai. The improvements are proposed within the Kamehameha V Highway right-of-way which is owned by the State of Hawaii. There are two (2) separate waterlines which comprise the project.

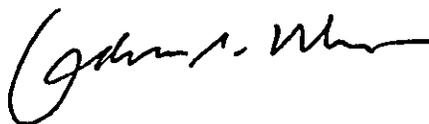
The western segment of waterline abuts properties located on TMK: 5-3-1 and 5-3-2. The eastern segment abuts properties located on TMK: 5-3-3 and 5-3-7. The proposed improvements consist of 1,715 lineal feet of 12-inch waterline, lateral replacements, fire hydrants and an air-relief valve in Kaunakakai. There are two (2) noncontiguous segments of the waterline proposed to be replaced. The new segments would replace six-inch lines. The estimated construction cost is \$475,000.

The report should note that the proposed development is located in the Special Management Area and a Special Management Area Assessment and determination is required.

Mr. Milton Arakawa, Project Manager  
February 22, 1999  
Page 2

Should you have any questions, please call Ms. Julie Higa, Staff Planner, of this office at 243-7814.

Very truly yours,



JOHN E. MIN  
Director of Planning

JEM:JH:cmb

c: Clayton Yoshida, AICP, Deputy Director of Planning  
Aaron Shinmoto, Planning Program Administrator (2)  
David Craddick, Director, Department of Water Supply  
Julie Higa, Staff Planner  
Project File  
General File  
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March 3, 1999

John E. Min, Director  
Department of Planning  
County of Maui  
250 South High Street  
Wailuku, Hawaii 96793

SUBJECT: Kaunakakai Water System Improvements

Dear Mr. Min:

Thank you for your letter of February 22, 1999 pertaining to the subject project. We offer the following response to your comments.

Although the subject project is located in the County Special Management Area, we note that it is exempt because it is not defined as a "development" pursuant to Section 205A-22, HRS. Development does not include "installation of underground utility lines and appurtenant above ground fixtures less than four (4) feet in height along existing corridors".

We appreciate your interest and comments on the project. If there are any questions or if additional information is needed; please do not hesitate to contact us.

Very truly yours,

Milton Arakawa, Project Manager

MA:to  
rfe@kakawa/planning,lr

# ***References***

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