



DEPARTMENT OF
HUMAN CONCERNS
COUNTY OF MAUI

LINDA CROCKETT LINGLE
Mayor

STEPHANIE AVEIRO
Director

HENRY OLIVA
Deputy Director

200 SOUTH HIGH STREET, WAILUKU, HAWAII 96793

(808) 243-7805

October 9, 1992

RECEIVED

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Mr. Brian J. J. Choy, Director
Office of Environmental Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

Dear Mr. Choy:

Subject: Transmittal of Final Environmental
Assessment - Negative Declaration for
the Ike Drive Waterline Improvements

On October 9, 1992, a negative declaration was made for the
Ike Drive Waterline Improvements project by the Director of Human
Concerns of the County of Maui.

We are submitting 4 copies of the Final EA along with the
OEQC Bulletin Publication form for publication in the October 23,
1992 OEQC Bulletin.

If you require any additional information, please contact Mr.
Ed Okubo of the Housing Division, Department of Human Concerns,
County of Maui at 243-7351.

Sincerely,

Stephanie Aveiro

STEPHANIE AVEIRO
Director of Human Concerns

Enclosures 4

cc: Mr. Edwin Okubo
Mr. Carl Takumi

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1992-10-23-MA-FAA-IKE Drive Waterline Improvement

OCT 23 1992

Chapter 343, Hawaii Revised Statutes (HRS)

Final Environmental Assessment

IKE DRIVE WATER LINE IMPROVEMENTS

October 1992

For
Department of Human Concerns
County of Maui

Prepared by:
Norman Saito Engineering Consultants, Inc.

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I. SUMMARY

**Chapter 343, Hawaii Revised Statutes (HRS)
Final Environmental Assessment
for
Ike Drive Water Line Improvements
Department of Human Concerns
County of Maui
August 1992**

APPLICANT:	Department of Human Concerns County of Maui
APPROVING AGENCY:	Office of the Mayor County of Maui
PROJECT NAME:	Ike Drive Water Line Improvements
PROJECT LOCATION:	Maunaolu College to Baldwin Avenue TMK: 2-5-04:5 & 39
STATE LAND USE:	Rural
COUNTY COMMUNITY PLAN DESIGNATION:	Public / Quasi-Public
COUNTY ZONING:	Interim
LANDOWNER:	County of Maui
AGENCIES CONSULTED:	County of Maui Department of Water Supply Planning Department Department of Public Works

II. GENERAL DESCRIPTION OF THE ACTION'S CHARACTERISTICS

A. INTRODUCTION

The County of Maui has leased certain properties in the Maunaolu College area to private and public community service agencies. Agencies that currently have a lease and are providing services are Aloha House, Women Helping Women, and the Maui Youth and Family Services. The Maui Farm, Inc., another public service organization, has begun construction of a youth transitional facility in the area. Structures must be constructed to house these agencies and the individuals and families being helped. Fire protection and water services are needed to safe guard these and any future structures that may be constructed.

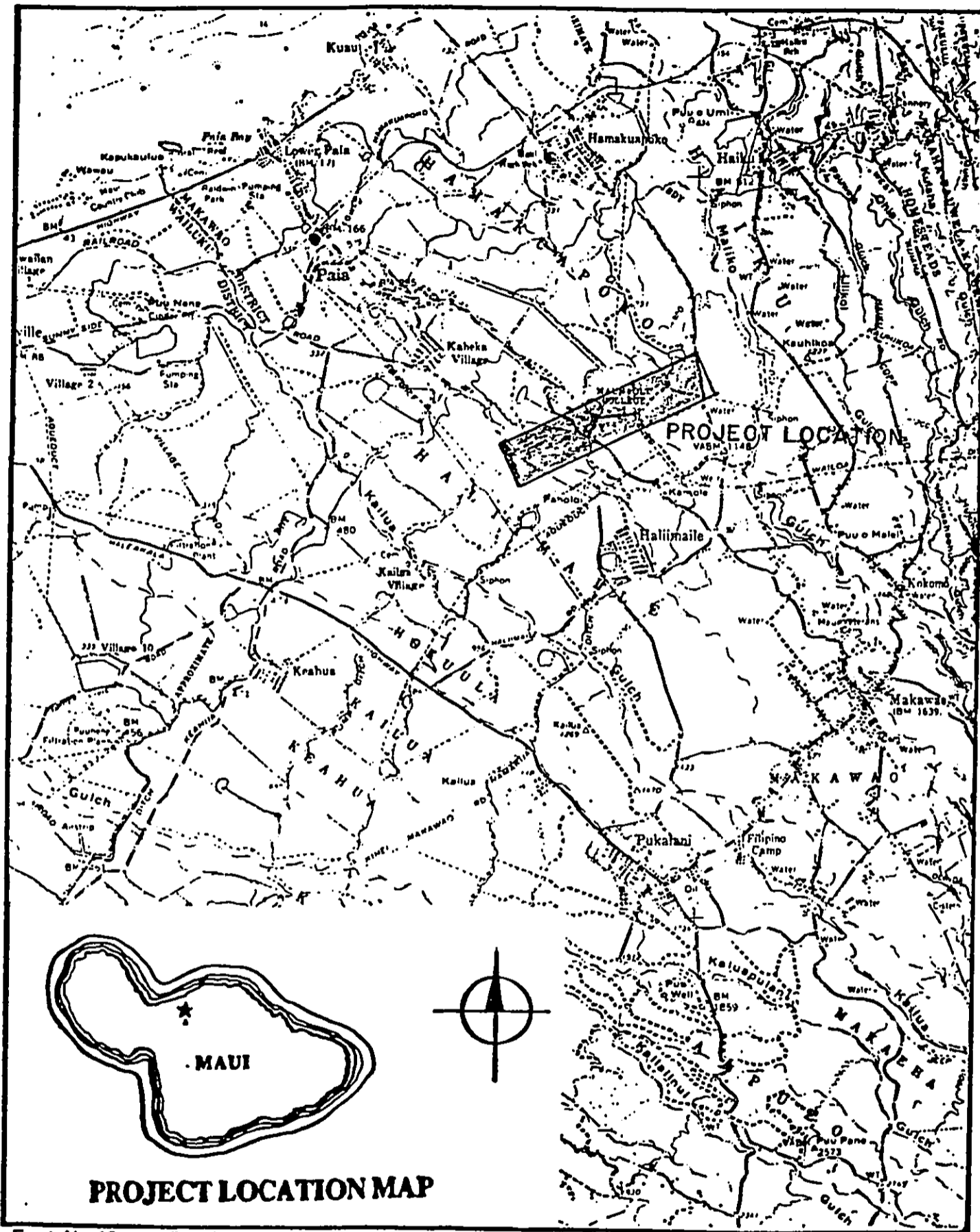
The existing water system along Ike Drive consist of a 6-inch waterline that has been found to be inadequate in providing fire protection to the existing and proposed structures; therefore, a new 12-inch waterline is proposed. (See Figures 1 and 2)

This environmental assessment will provide the reviewer the opportunity to evaluate the potential impacts of constructing the Ike Drive Waterline Improvements.

B. TECHNICAL CHARACTERISTICS

The project consists of extending the existing Maui County Department of Water Supply 12-inch waterline near the old Maunaolu College Campus approximately 1,900 lineal feet to Ike Drive within a waterline easement in TMK: 2-5-04:39 and along Ike Drive toward Baldwin Avenue. The waterline will parallel an existing 6-inch waterline along Ike Drive. In addition, approximately 400 lineal feet of 8-inch waterline is planned from the new 12-inch waterline between the structures used by the Aloha House, Women Helping Women and Maui Youth and Family Services, Inc., located on TMK: 2-5-04:5 to connect to a planned 8-inch waterline in the Maui Farm, Inc. project presently beginning construction. The 12-inch waterline is needed to provide adequate fire flows for the buildings along the route and the 8-inch waterline will be "looped". The water system improvements will provide a minimum fire flow of 2,000 gpm with at least 20 psi residual pressure in accordance with the Maui County Department of Water Supply Standards for multifamily use.

The project may be constructed in phases depending on the availability of funds. However, fire protection for the existing structures is the main reason for the project.



PROJECT LOCATION MAP

East Maui Source Development Project
Ike Waterline

LOCATION MAP

FIGURE I

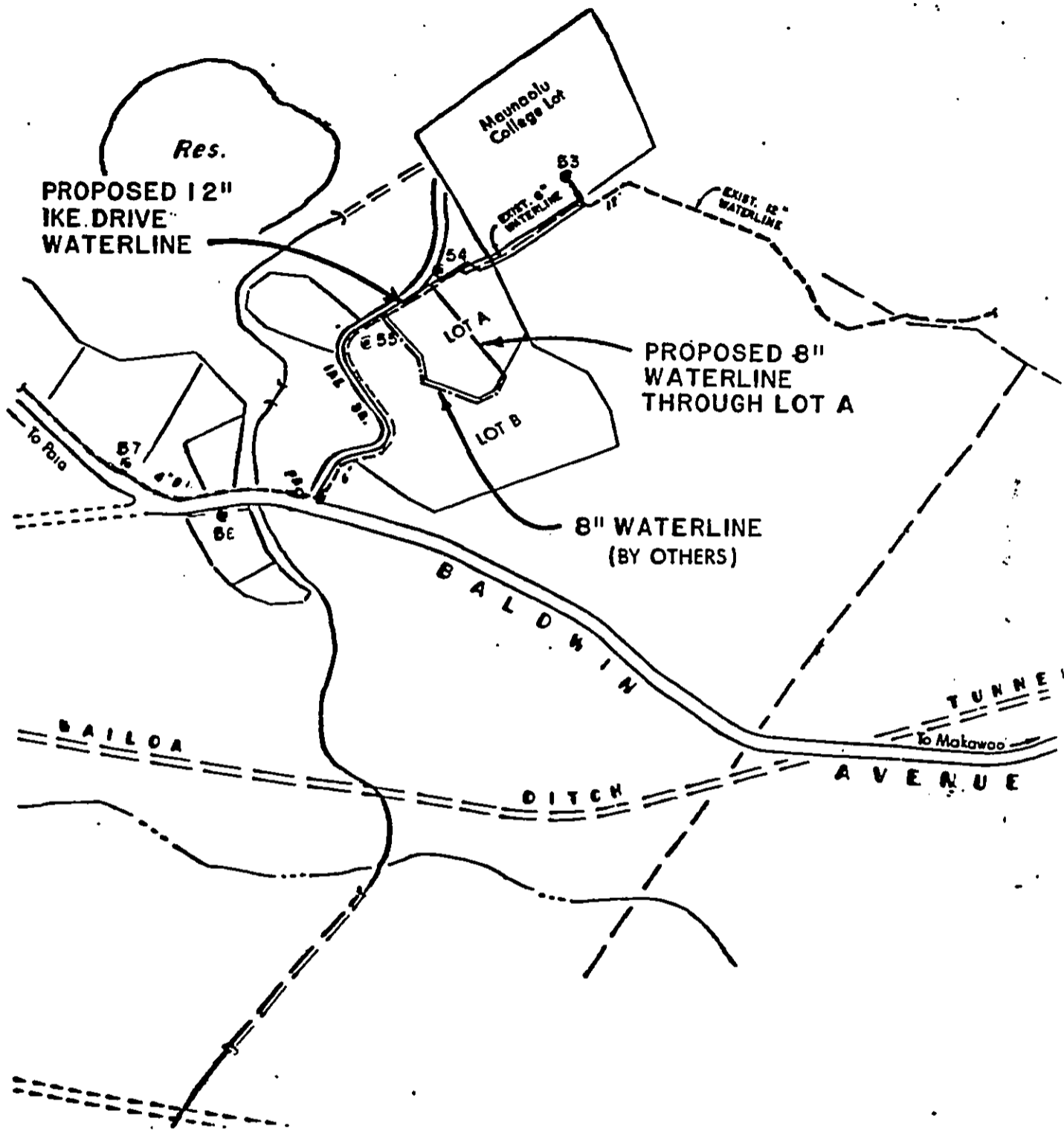
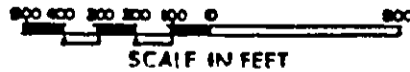


FIGURE 2

PROPOSED PIPING LAYOUT



C. SOCIO-ECONOMIC CHARACTERISTICS

The project will improve fire protection facilities and potable water supply service for the area.

The area is presently used by several service organizations which help provide the community with needed social services. The organizations presently in the area are Aloha House, the Maui Youth and Family Services, Inc., the Maui Farm, Inc., and Women Helping Women. These organizations cannot meet the needs of the community under present conditions. Therefore, the proposed project will allow these organizations to construct additional improvements and/or make renovations to meet the needs of the Community. The project does not include any other infrastructure components i.e. wastewater, road improvements, drainage, and other utilities which would encourage growth of the area.

The project is in conformance with the Paia-Haiku Community Plan designation of Public - Quasi-Public. The rural setting of the area is consistent with the Community Plan objectives and needed for the rehabilitation of the occupants using the facilities. The Paia-Haiku Community Plan is currently under review; however, land use changes in the area have not been determined.

D. ENVIRONMENTAL CHARACTERISTICS

The proposed project will be constructed in developed areas, i.e. along existing agricultural field roads and Ike Drive and through the Aloha House, Maui Youth and Family Services, and Women Helping Women complexes. Presently, the existing water system in the area cannot provide adequate fire protection for the buildings in the area. The project will improve fire protection services to meet present Maui County Fire Flow Standards. The project will not significantly alter the use and appearance of the area. No significant adverse impacts are expected.

E. FUNDING AND PHASING

The project will be funded by the County of Maui and the Board of Water Supply, County of Maui. Construction of the Project will be based upon a base bid and several additive bids which will allow the County to make the best use of the funding available. The estimated construction cost of all of the proposed improvements are:

Base Estimate:	(12" Waterline along Ike Drive to Lot B, TMK: 2-5-04:05):	\$112,412
Additive A:	(Extend 12" Waterline along Ike Drive to west boundary of Lot B):	\$ 85,688
Additive B:	(8" Waterline through Lot A, TMK: 2-5-04:05):	\$ 35,575
Additive C:	(Extend 12" Waterline along Ike Drive from west boundary of Lot B to Baldwin Avenue.)	\$ 36,787

TOTAL ESTIMATED CONSTRUCTION COST OF PROJECT: \$270,462

The project may be completed in phases depending on the availability of funds. Also, if Additive C is constructed, this portion of the project will be funded by the Board of Water Supply.

III. THE AFFECTED ENVIRONMENT

A. GEOGRAPHICAL CHARACTERISTICS

The project site is located in the Makawao District, above Paia Town and more specifically, along Ike Drive from Baldwin Avenue to the Old Maunaloa College. The closest major population center to the Project would be the town of Paia, with the upcountry towns of Makawao and Haliimaile to the east slopes of Haleakala.

The soils associated in the area are classified as Hamakuapoko (HIC) according to the "Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii" produced in 1972 by the U.S. Department of Agriculture, Soil Conservation Service. Primary use is pineapple, pasture, and homesites. They consist of well drained soils on uplands on the island of Maui. Terrain is gently to strongly sloping with elevations ranging from 500 to 1,200 feet. Annual rainfall amounts to 40 inches to 60 inches.

The primary economic activity is agriculture, predominantly sugar cane production, together with pineapple production. The area also supports several human service facilities. The principal landowner is Alexander & Baldwin/Hawaiian Commercial and Sugar Company (HC & S) and the County of Maui.

B. HYDROLOGICAL CHARACTERISTICS

The project alignment site is primarily along field and government roads and along County Lands.

The Flood Hazard Zone designation is "C", area of minimal flooding. The proposed alignment would be on established government road, private field roads or within County Properties.

C. BIOLOGICAL CHARACTERISTICS

There is no indigenous species of flora or fauna on the proposed project alignments. This is due to the historical use of the alignment sites for cultivation, and also the traffic usage of the government built roads. Any flora or fauna species detected on the alignment sites are exotic or introduced species.

D. SERVICE FACILITIES

By the nature of the Project, there will be no demand for the typical urban services, i.e. water, sewer, police, fire protection, schools, parks, or utilities. The Project will improve the water system so adequate water will be available for the fire protection and domestic use.

E. ARCHEOLOGICAL SITES

Because the proposed alignments are located in or adjacent to actively cultivated fields, it is unlikely that historic sites are present. In the event that the trenching for the placement of the water lines reveals any site, the Historic Preservation Division District archaeologist will be notified and all construction work will be halted until a determination has been made of the site's value.

There are no significant historic sites in the area recorded by the State Historic Preservation Office.

F. AESTHETICS AND VISUAL CHARACTERISTICS

There will be minimal visual or aesthetic impacts anticipated since the proposed project will not involve above ground improvements except for fire hydrants. The ground surface will be restored to its original condition.

G. RELATIONSHIP TO EXISTING LAND USE, POLICIES, PLANS AND CONTROLS

1. The selected alignment will be made in agriculture designated lands, or public facilities designated lands.
2. There is no County zoning designated for the project site.
3. The Paia-Haiku Community Plan designation is Public/Quasi - Public.

IV. SUMMARY OF MAJOR IMPACTS AND MITIGATION MEASURES

Once selected, the water line alignment is not expected to have any significant environmental impacts. Any impacts resulting from the proposed action will be construction related, and will be temporary and related to the actual trenching operations. There will not be any adverse permanent impacts to the ambient air and noise levels and mitigation measures designed to minimize any temporary impacts to adjacent urban areas will be the contractor's responsibility.

Economic impact due to the waterline installation will be temporary and limited to roads only. There will be no taking of cultivated acreage, and potential damage may occur during the construction phase. This will be temporary, and at the completion of the waterline installation, normal cultivation practices will be able to continue.

V. ALTERNATIVES CONSIDERED

The need for the Project is based upon the need to provide adequate water and fire protection services so the area can continue to be used to provide support facilities for the residents of the County of Maui.

- A. The "DO-NOTHING" Alternative was not considered since the existing structures would eventually have to be abandoned and the land would remain fallow and not used for its intended purpose.
- B. A PRIVATE WATER SYSTEM alternative was not considered since the Maui County Department of Water Supply has an adequate sized waterline close to the Project area.

**VI. DETERMINATION, FINDINGS AND REASONS
SUPPORTING DETERMINATION**

After completing an assessment of the potential environmental effects of the proposed transmission line construction, it has been determined that an Environmental Impact Statement (EIS) is not required. Therefore, this document constitutes a Notice Negative Declaration.

Reasons supporting the Negative Declaration determination are as follows using as the criteria, the policy guideline and provisions of Chapters 342, 343, 344, HRS.

1. The proposed action consists primarily of the design and construction of water transmission line *within previously disturbed roadways, or agricultural lands.*
2. There will be no permanent degradation of existing ambient air and noise quality levels. During the actual construction phase, there will be minor and temporary air pollution and noise resulting from the construction machinery employed in the trenching operations. These are not permanent and will be either in cane haul road areas, or within already developed areas.
3. There are no known endangered species of animal or plants within the transmission alignment routes.
4. There are no known natural, historic, or archaeological sites within the proposed transmission line alignments.
5. The Project is consistent with the Paia/Haiku Community Plan.
6. The project as proposed, will permit the County to continue using the area as a public use facility base. Any adverse impacts of the Project have been determined to be insignificant. The County will comply with applicable statutes, ordinances, and rules of the Federal, State, and County governments during the design and construction of the waterlines.

VII. LIST OF PREPARERS

Norman Saito Engineering Consultants, Inc.

VIII. COMMENTS AND RESPONSES RECEIVED DURING PREPARATION OF THE ENVIRONMENTAL ASSESSMENT (NEGATIVE DECLARATION ANTICIPATED)

The Draft Environmental Assessment for Ike Drive Water Line Improvements were filed with the OEQC and published in the September 8, 1992 bulletin. No comments were received during the 30 day review period after publication.