

Alii Drive 12-inch
Waterline Replacement



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

25 AUPUNI STREET • HILO, HAWAII 96720
TELEPHONE (808) 961-8660 • FAX (808) 961-8657

RECEIVED

January 9, 1998

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OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

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

FINAL ENVIRONMENTAL ASSESSMENT (FEA)
FINDING OF NO SIGNIFICANT IMPACT (FONSI)
ALII DRIVE 12-INCH WATERLINE REPLACEMENT
TAX MAP KEY: (3) 7-5-006 AND 007

The Department of Water Supply, County of Hawaii has reviewed comments received during the 30-day public comment period which began on December 8, 1997. The Department of Water Supply has determined that this project will not have significant environmental effects and has issued a Finding of No Significant Impact (FONSI). Please publish this notice in the January 23, 1998 OEQC Bulletin.

We have enclosed a completed OEQC Bulleting Publication Form, four (4) copies of the FEA, and a diskette containing the project summary for your use. Please contact our Water Resources and Planning Branch at (808) 961-8660 should you have any questions.


(Milton D. Pavao, P.E.
Manager

GGA:gms

Encs.

copy - Inaba Engineering, Inc.

... Water brings progress...

3

1998-01-23-HI-FEA-Alii Drive 12-Inch Waterline Replacement

JAN 23 1998

FILE COPY

FINAL ENVIRONMENTAL ASSESSMENT

FINDING OF NO SIGNIFICANT IMPACT (FONSI)

**ALII DRIVE
12-INCH WATERLINE REPLACEMENT**

Kailua-Kona, District of North Kona
Island of Hawaii, State of Hawaii

January 1998

PREPARED FOR:

DEPARTMENT OF WATER SUPPLY
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

PREPARED BY:

INABA ENGINEERING, INC.
273 Waianuenue Avenue
Hilo, Hawaii 96720

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SUMMARY SHEET

Project: Alii Drive 12-Inch Waterline Replacement

Applicant: Department of Water Supply
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

Land Owner: County of Hawaii (Existing Right-of-Ways)

Proposing Agency: Department of Water Supply
County of Hawaii

Project Location: Kailua-Kona, North Kona District
County of Hawaii, Island of Hawaii

Tax Map Key: 3rd Division 7-5-06 & 07

Land Area: Water Line Alignment Approximately 3,475 L.F.
Along Palani Road, Alii Drive, & Hualalai Road

Existing Use: Resort, Commercial

State Land Use Designation: Urban

County General Plan: Resort, Open

Existing Zoning: Resort Hotel, Commercial, Open

Contact Person: Mr. Milton Pavao, P.E., Manager
Department of Water Supply
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720
Phone: 808.961.8660
Fax: 808.961.8657

TABLE OF CONTENTS

	<i>Page</i>
PART 1	
DESCRIPTION OF PROPOSED PROJECT	1
A. Project Location	
B. Purpose and Objectives of Project	
C. Ownership	
D. Project Schedule and Cost	
E. Consultation with Agencies, Organizations and Individuals	
PART 2	
ENVIRONMENTAL SETTING	7
A. Soils	
B. General Climate	
C. Flood Hazards	
D. Volcanic and Seismic Hazard	
E. Flora and Fauna	
F. Historic Sites	
G. Existing Land Use	
PART 3	
SUMMARY POTENTIAL IMPACTS AND MITIGATION MEASURES	10
A. Short Term Impacts	
B. Long Term Impacts	
C. Permits And Approvals	
PART 4	
ALTERNATIVES TO THE PROPOSED ACTION	13
A. No Action	
B. Alternate Action	
C. Alternative Alignment	
PART 5	
RELATIONSHIP TO PLANS AND POLICIES	14
A. Kona Regional Plan	
B. Master Plan for Kailua Kona	
PART 6	
DETERMINATION	15
PART 7	
FINDINGS AND REASONS	15
PART 8	
COMMENTS AND RESPONSES	18
REFERENCES	19

LIST OF FIGURES:

	<i>Page</i>
Figure 1. Island Location Map	2
Figure 2. USGS Vicinity Map	3
Figure 3a. Typical Waterline Location, Palani Rd., Hualalai Rd.	4
Figure 3b. Typical Waterline Location, Alii Drive	5
Figure 4. Flood Rate Insurance Map, FIRM	9
Figure 5. County of Hawaii Zoning Map, Kailua Vicinity	11

LIST OF APPENDICES:

APPENDIX A	Community Meeting Minutes
APPENDIX B	Comment and Response Letters

PART 1

DESCRIPTION OF PROPOSED ACTION

A. Project Location

The proposed activity is located in Kailua-Village, North Kona District, Island of Hawaii (Figure 1). The proposed water line alignment connects at the intersection of Kuakini Highway and Palani Road, goes down Palani Road to Alii Drive, along Alii Drive to Hualalai Road, then up along Hualalai Road, and connects to the existing water system at the intersection of Hualalai Road and Kuakini Highway (Figure 2). All of the waterline and improvements will be located within existing County right-of-ways.

B. Project Description, Purpose and Objectives of Project

The County of Hawaii Department of Water Supply (DWS) plans to replace an existing 6" waterline with a new 12" waterline. Existing water service laterals, meters and boxes along the alignment will be replaced and relocated. Existing fire hydrants will be replaced and new fire hydrants will also be installed. Typical sections showing pipeline locations are shown in Figure 3a & 3b.

The existing 6" cast iron pipeline along Alii Drive was installed in the 1930's or 40's. The line is extremely old, leaking, under capacity, and facing possible failure along its alignment. The new 12-inch waterline replacement will meet current and future water demand, eliminate revenue loss due to leakage, and will provide required fire flow protection. The proposed project will replace existing fire hydrants and additional new hydrants will be installed to provide necessary coverage for commercial areas.

The DWS is coordinating this pipeline installation project with the County of Hawaii Department of Public Works (DPW). The DPW plans to resurface Palani Road and Alii Drive through the Kailua Village area during the months of March, April, and May of 1998. This planned replacement of the existing 6" water line in conjunction with the Department of Public Works resurfacing of Alii Drive will consolidate construction activity and hopefully eliminate potential major disruption during a major festival or activity such as the Ironman Triathlon, Billfish Tournament, etc. should a pipeline failure occur in Kailua-Village.

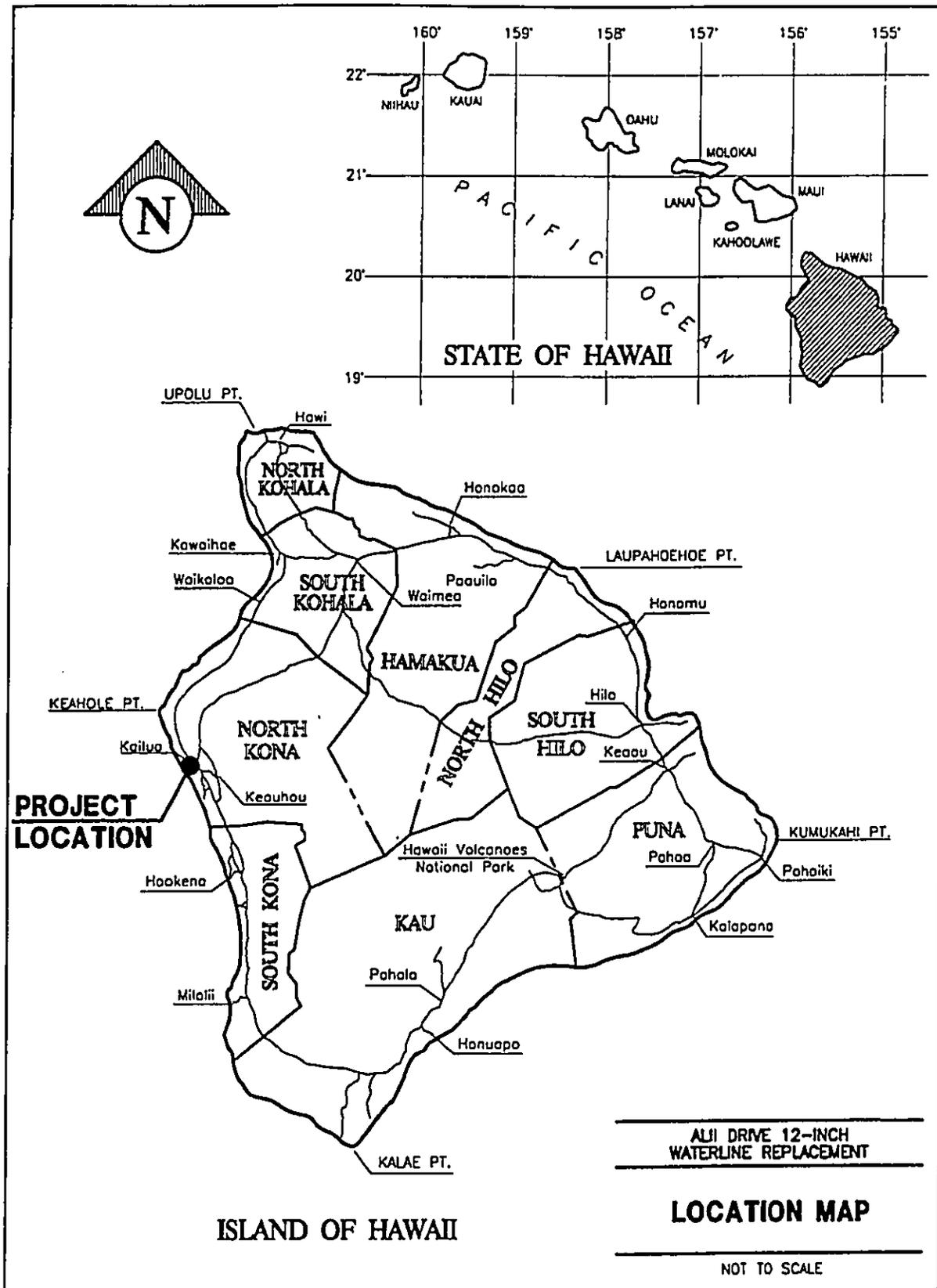


Figure 1 - Island Location Map

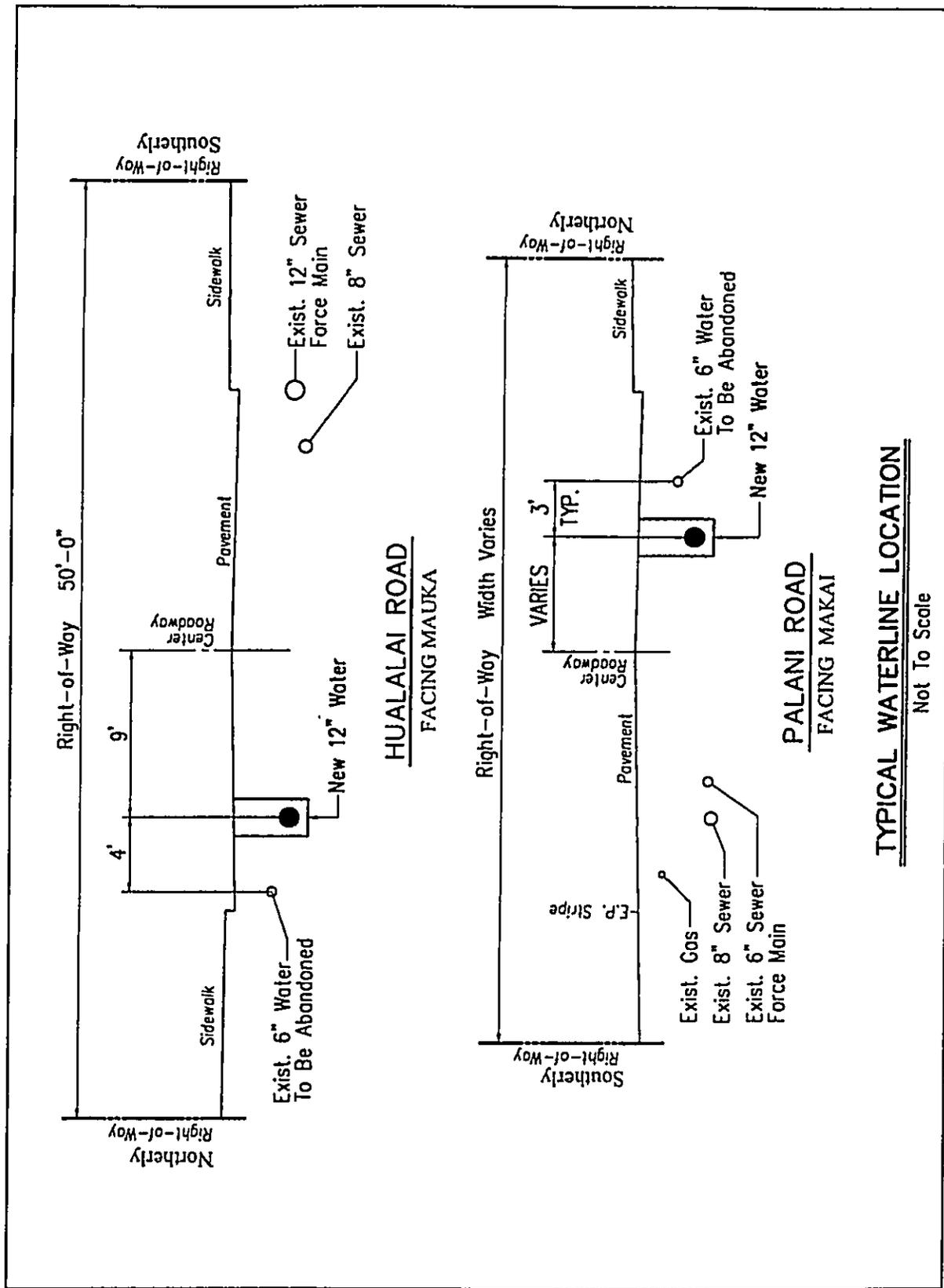


Figure 3a - Typical Pipeline Location
Palani Road, Hualalai Road

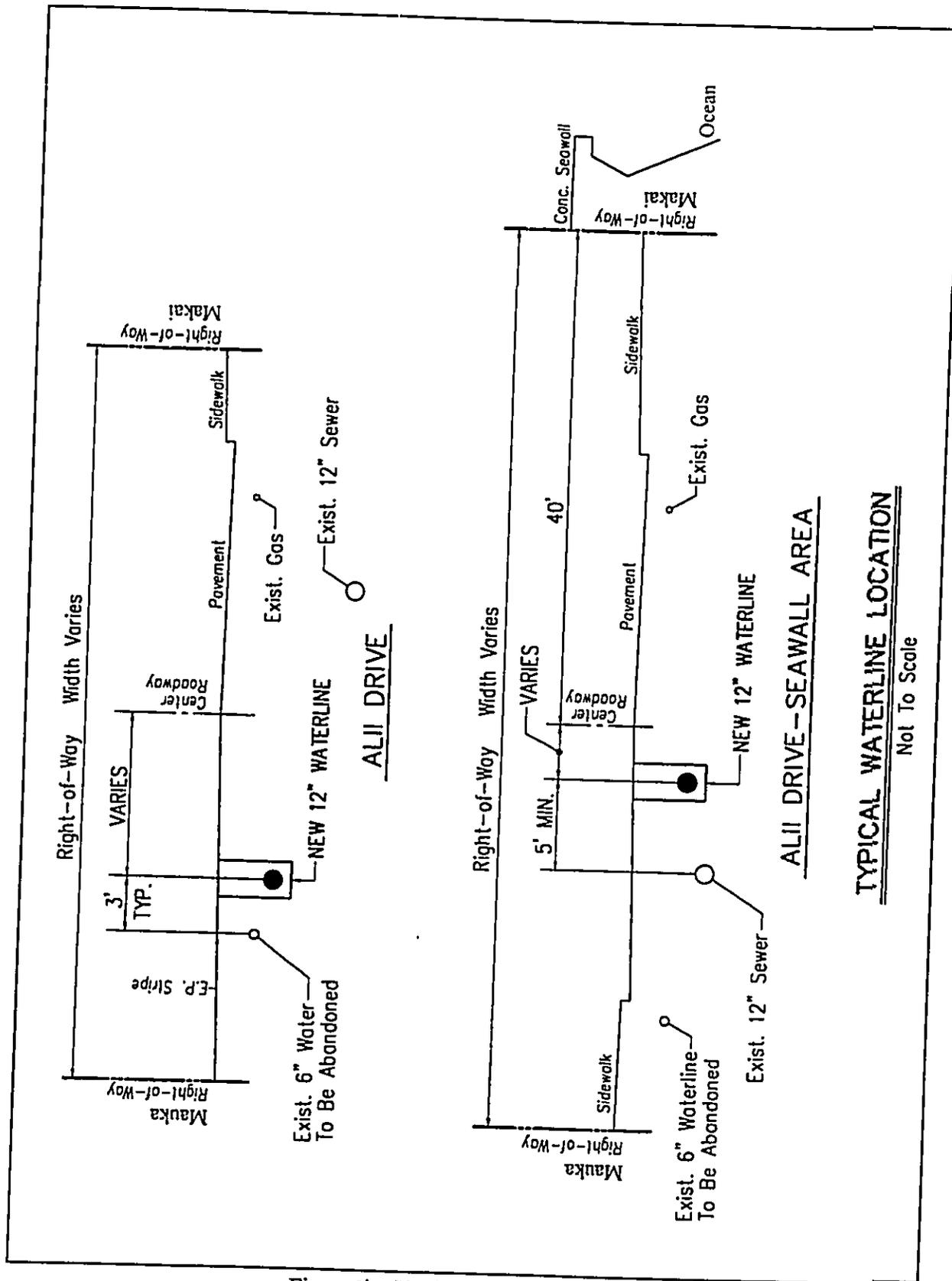


Figure 3b - Typical Pipeline Location
Alii Drive

TYPICAL WATERLINE LOCATION
Not To Scale

C. Ownership

The waterline and appurtenances will be owned by the Department of Water Supply, County of Hawaii. The waterline will be installed in right-of-ways owned by the County of Hawaii. Some of the existing water meter boxes which are located within private property will be relocated into the public right-of-way.

D. Project Schedule and Cost

The proposed project is being coordinated with the County of Hawaii Department of Public Works (DPW) who are planning to resurface Alii drive in April 1998. The Department of water supply plans to have the 12-inch waterline work completed before the DPW completes the resurfacing project. The scheduled time period of these construction projects is being coordinated with the businesses and concerned parties along the construction route to minimize conflict with planned activities in the Kailua-Village area.

Proposed Project Schedule:

Public Process:	October 1997 - November 1997
Field Survey:	October 1997
Engineering Design and Review:	October 1997 - December 1997
Bid Process:	January 1998 - February 1998
Award & Execution of Contract:	February - March 1998
Construction:	April - May 1997

The estimated preliminary construction cost of the project is seven hundred fifty thousand dollars (\$750,000.00).

E. Consultation with Agencies, Organizations and Individuals

The following have been contacted during the preparation of this environmental assessment.

County Department of Water Supply
County Department of Public Works

County Planning Department
State Dept. Of Health, Hilo
Hulihee Palace

Community Coordination Meetings: These meetings will be used to inform, coordinate, and receive comments from and to coordinate with businesses and concerned parties in the Kailua-Village area.

The first community coordination meeting was held on September 30, 1997 at the West Hawaii Mayor's Office. The meeting was coordinated by Larry Tanimoto of L.S.T., Inc., a public relations consultant for the Department of Water Supply. Meeting minutes and sign up sheet in Appendix A. Other meetings are planned when preliminary engineering work is progressing and construction documents are available. L.S.T., Inc. will be used to notify the various concerned parties in the Kailua-Village area and to conduct the meetings.

A second community meeting was held on December 15, 1997. Copy of meeting minutes and sign up sheet in Appendix A.

This draft environmental assessment was prepared using information gathered from previously published documents (See Reference Listing) and informal contacts with the agencies listed above.

PART 2

ENVIRONMENTAL SETTING

Physical Environment Characteristics

A. Soils

Soils in the area are classified as *rPYD* per the "Soil Survey of Island of Hawaii, State of Hawaii," by the Soil Conservation Service. Symbol *rPYD* represents "Punaluu extremely rock peat 6/20% slope" soil series, with erosion factor $K=0.02$, and falls in hydrologic group "D." Punaluu series consists of well-drained thin organic soils over pahoehoe lava bedrock. These soils are gently sloping to moderately steep. This soil is low on the leeward side of Mauna Loa

with rock outcrops occupying 40 to 50 percent of the surface. Natural vegetation includes Koa Haole, Christmas berry, guinea grass, natal redbud, and sand bur. Runoff is slow, and the erosion hazard is slight.

B. General Climate

Average annual rainfall ranges from 20 to 40 inches and with temperatures ranging from 60's to the 80's. Winds are light and variable generally from the south west.

C. Flood Hazards

Federal Insurance Rate Maps (FIRM), indicates portions of the alignment are located in the Special Flood Hazard Areas Inundated by 100-year Flood; Zones AE and VE. Zone AE represents areas where base flood elevations have been determined (Keopu Drainageway Overflow.) Zone VE represents coastal flood with velocity hazard (wave action); base flood elevations determined. Flood hazard to the waterline is considered minimum since it will be placed underground. The installation of the replacement waterline does not represent a change in condition from the existing waterline. (See Figure 4.)

D. Volcanic and Seismic Hazard

Kailua-Village is located on the lower slopes of Hualalai which is one of five volcanoes forming the island of Hawaii. All of Hualalai is included in Hazard Zone 4. The island of Hawaii is divided into zones according to the degree of hazard from lava flows. Zone 1 is the area of greatest hazard and Zone 9 is of the least hazard.

Hazard zones for seismic or earthquake activity has not been established for the island of Hawaii.

E. Flora and Fauna

Because the entire alignment of the waterline will be under existing roadway pavements and sidewalks, there will be no effect to flora along the entire length of replacement pipeline. No protected or endangered animal species are expected to be encountered during construction of the project.

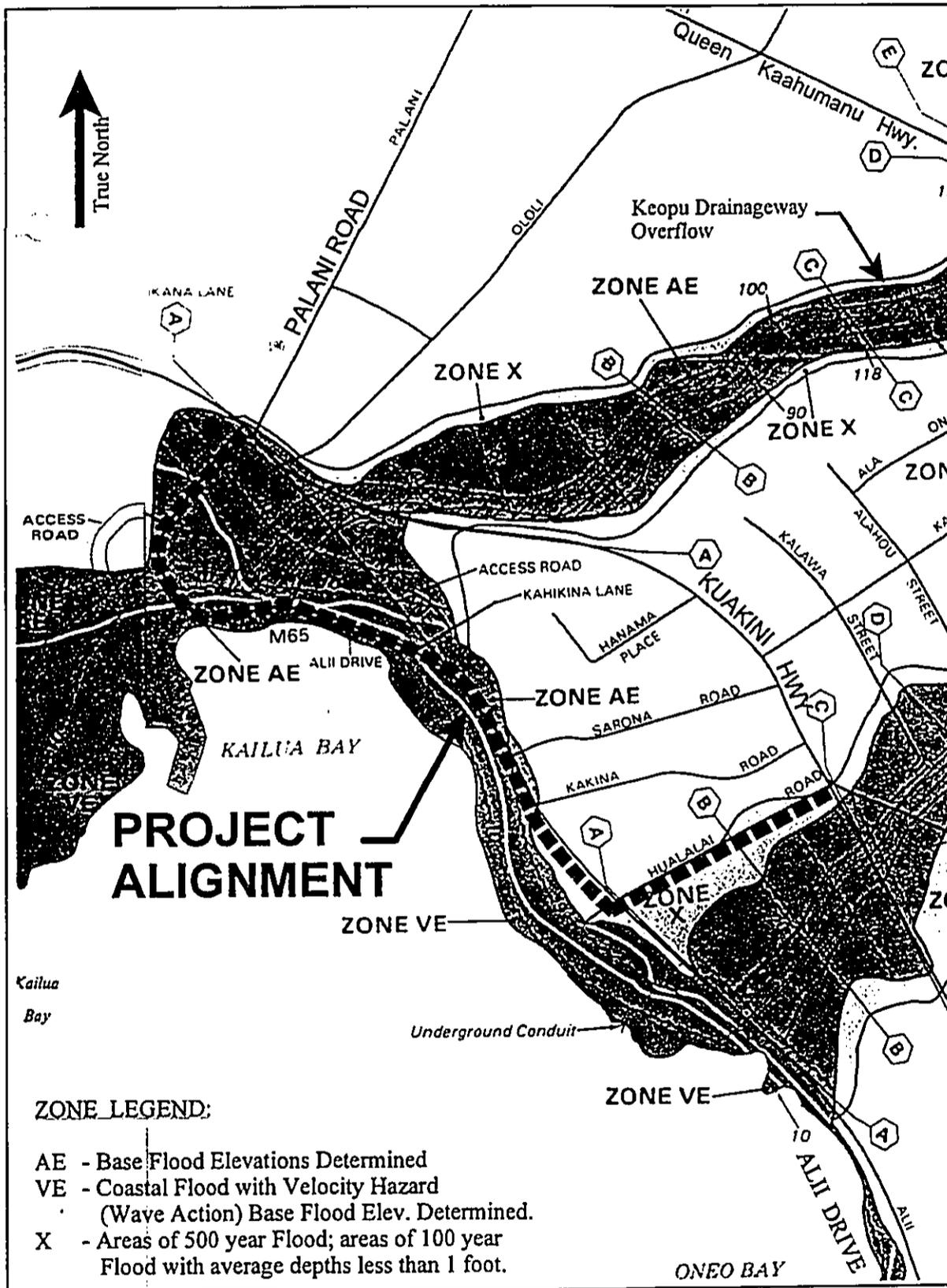


Figure 4 - Flood Rate Insurance Map, FIRM

F. Historic Sites

Three historical sites to be noted along Alii Drive are Hulihee Palace, Mokuaikaua Church and Pa-O-Umi Rocks. These sites are not expected to be physically impacted by the new replacement waterline. The waterline will generally follow the alignment of existing water and sewer utilities under the roadway therefore excavation will likely occur in previously disturbed areas. Any historical or archaeological features, if present, would probably have been eliminated.

G. Existing Land Use

Land uses along the waterline alignment are generally resort and commercial businesses and visitor attractions. There are hotels, restaurants, shops, shopping plazas, real estate offices, activity desks, service stations, etc., with most of the businesses catering to the tourist trade.

State Land Use District classification system designates the area as Urban. The County of Hawaii General Plan land use allocation designates the areas along the alignment as Resort, Medium Density Urban and Open. County of Hawaii Zoning along the alignment includes Resort Hotel (V-.75), Commercial (CV-10), and Open(O). See Figure 5.

PART 3

SUMMARY POTENTIAL IMPACTS AND MITIGATION MEASURES

A. Short Term Construction Impacts

Construction activity related to the proposed waterline and appurtenances will create short term impacts on the surrounding environment such as noise, dust, and traffic impacts. These impacts would occur only during the construction phase of the project and is temporary in nature.

Heavy equipment noise may be mitigated by allowing work only during normal working hours. For this project, night work may be considered depending upon community input. The contractor shall also be required to maintain his equipment with appropriate mufflers and noise suppressors in accordance with state

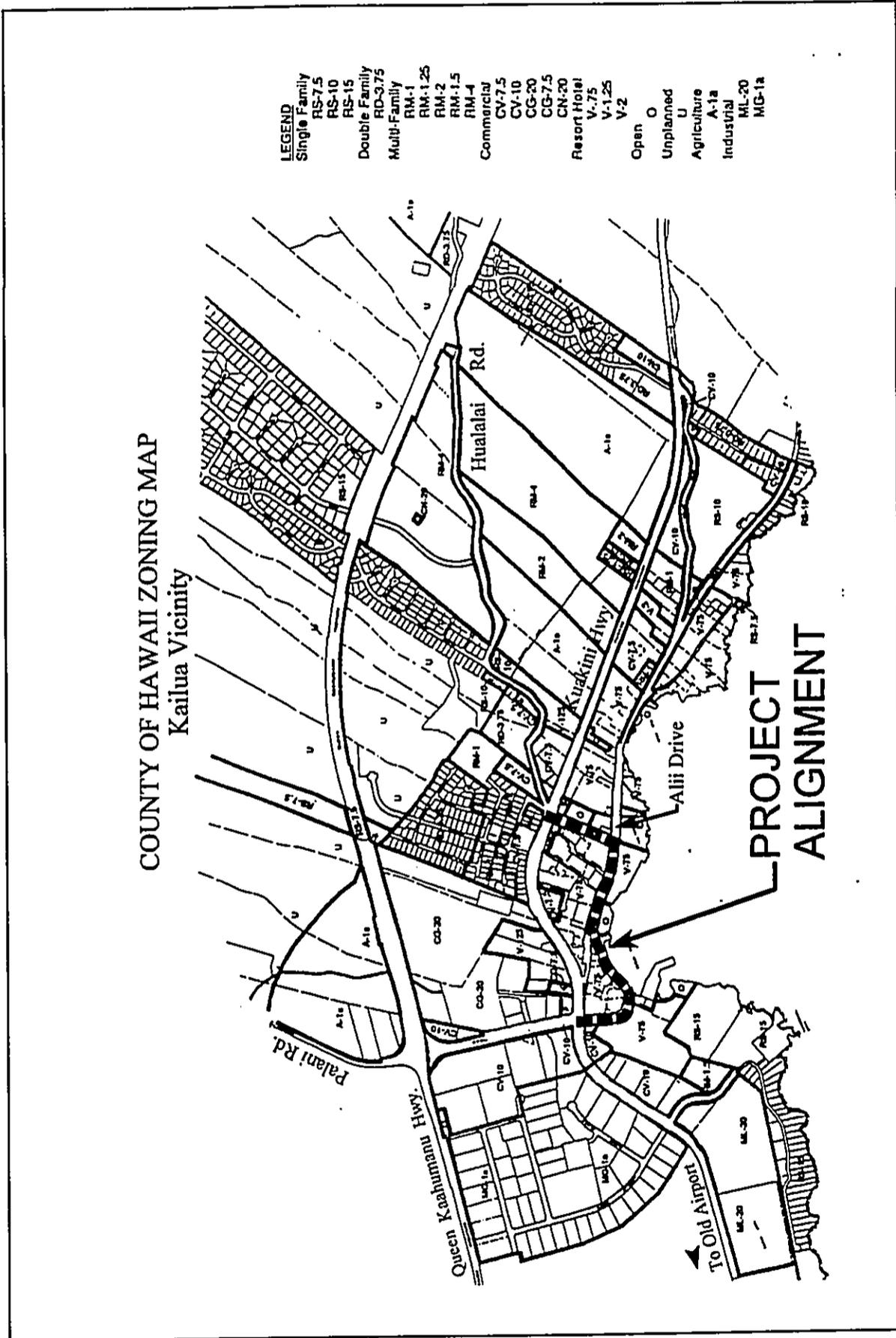


Figure 5 - Zoning Map, Kailua Vicinity

regulations.

Ambient air quality will be affected by equipment emissions and construction generated dust. Dust can be managed by the Contractor using water sprinkling, limiting exposed areas, and covering the exposed trench areas with trench plates as soon as practicable. Equipment must be properly maintained to assure efficient operation in terms of fuel combustion to assure the cleanest possible exhaust emissions.

To minimize soil erosion, runoff, and sedimentation, the Contractor shall employ necessary measures to insure compliance with the County of Hawaii Grading Ordinance, and the applicable State Department of Health Pollution Control Standards. If construction dewatering is to be done, the contractor shall obtain necessary permits for the discharge of construction dewatering. The Contractor shall also be required to implement a Best Management Practices Plan as prescribed by the National Pollution Discharge Elimination System (NPDES) permit as administered by the State Department of Health, if required.

Traffic impacts will be mitigated by instituting a traffic control plan approved by the County of Hawaii Department of Public Works. Construction road work and material deliveries shall be scheduled to minimize the disruption to traffic. Consideration will be given to allowing the contractor to work at nights. Night work may be necessary given the short time frame of construction that the community desires.

B. LONG TERM IMPACTS

No long term major negative impacts are expected as a result of this project. This project will benefit the local community and current and future water service customers.

C. PERMITS AND APPROVALS

Construction plans will submitted to the following agencies for review and approval signatures:

- Department of Water Supply
- Department of Public Works
- Planning Department
- State of Hawaii Department of Health

The following is a list of permits required:

County of Hawaii Permit to Dig Up Streets

State of Hawaii Dept. Of Health NPDES General Permit Coverage:

Construction Dewatering (If dewatering is performed)

Hydro Testing Water

Community Noise Permit for Construction.

Although project is located within the Special Management Area, the scope of the work as defined by the Rules of Practice and Procedure of the Planning Commission under Rule 9, Section 9-4 (10) B(iv) - Repair and maintenance of utility lines, ...; does not fall under the definition of "Development." Therefore, a Special Management Area Permit is not applicable for this project.

PART 4

ALTERNATIVES TO THE PROPOSED ACTION

A. No Action

The "No Action" alternative will not allow the objectives of the proposed new water line to be achieved. This alternative will result in no physical change to the water system and surrounding area and have no impacts. The water line in question will continue to leak, will remain under capacity and be susceptible to failure. Fire protection will not be enhanced.

There will be no benefits realized by the community.

B. Alternate Action

No alternate action was considered for this project.

C. Alternative Alignment

The Department of Water Supply had considered running a portion of the water line along Likana Road to avoid Alii Drive along the seawall section. This option was not pursued because a number of customers and fire hydrants would not have access to the new 12" water line. The service upgrade would not reach many of the intended customers.

PART 5

RELATIONSHIP TO PLANS AND POLICIES

A. Kona Regional Plan (1982):

Some of the goals and policies for water infrastructure of the Kona Regional Plan, Chapter V, include the following:

- Ensure that adequate, efficient and dependable public utility services will be available to users.
- Maximize efficiency and economy in the provision of utility services.
- Improve and replace inadequate systems.
- The fire prevention distribution system shall be coordinated with water distribution systems in order to ensure water supplied for fire-fighting systems.

Proposed developments and improvements listed in this plan under Distribution lines included "Alii Drive Pipeline - Kailua."

Recommendations of the plan included:

- Implement the improvements proposed for Kona by the Water Master Plan, dated December 1980, and
- The location and timing of major water system improvement should be coordinated with other infrastructural improvement and with overall community priorities.

Implementation of this project meets objectives of the General Plan Goals, Policies and Standards listed above. Upgrading of the Alii Drive water line has been discussed at least since 1980. By installing the new water line in conjunction with the planned roadway resurfacing project by the Department Public Works, the recommendations to coordinate work with other infrastructure improvements will be complied with.

B. Master Plan for Kailua Kona (Draft) April 1994:

In Section 3.5.2, Recommended Water System Upgrades, the need for new storage facilities and waterlines are discussed. Required fire flows and demand of water usage from resort areas dictate that improvements to the water system are necessary for Master Plan implementation. In the ultimate development phase of the master plan, waterlines that serve the resort/commercial areas are undersized and new 12"

lines will be required to maintain demand and fire flows. The proposed Alii Drive 12-inch Waterline Replacement project satisfies these recommendations.

PART 6

DETERMINATION

The proposed project is intended to benefit both the residents and visitors to Kailua-Kona and is not expected to significantly alter the environment. Any negative impacts will be mainly short term and minimal and related to construction activity. Therefore, it is determined that the issuance of a Negative Declaration, Finding of No Significant Impact (FONSI) is appropriate for this project.

PART 7

FINDINGS AND REASONS

In determining the issuance of a Negative Declaration and Finding of No Significant Impact (FONSI), the proposed action was reviewed and found to have no significant impact on the following significance criteria.

- ▶ Involves the loss or destruction of any natural or cultural resource;

The proposed project is entirely within the existing paved roadway and thus, is not anticipated to affect any natural or cultural resource. No archaeological sites are known to exist along the pipeline alignment which will be along previously disturbed areas.

- ▶ Curtails the range of beneficial uses of the environment.

This project will not curtail beneficial use of the environment. The area is fully developed and the project purpose is to satisfy demands on the existing water system which will enhance and maximize current use of the resort and commercial areas affected.

- ▶ Conflict with the State's long-term goals or guidelines and expressed in Chapter 344 HRS.

This proposed project is consistent with the Environmental Policies established in Chapter 344 HRS.

- ▶ Substantially affect the economic or social welfare of the community or state.

The proposed waterline replacement is intended to provide adequate uninterrupted water flow and fire protection to Kailua Village. The existing system is currently inadequate. Installation of the waterline serves only to enhance the conditions of the area. Short term economic benefits will be realized by construction employment and spending in the area.

- ▶ Substantially affects public health.

This project will not substantially affect public health. Any public health effects would be related to construction activity which is temporary and short term in nature. The contractor is required to comply with all Department of Health rules and regulations related to his actions.

- ▶ Involves substantial secondary effects such as population changes or infrastructure demands.

As stated previously, the proposed waterline replacement is intended to provide adequate uninterrupted water flow and fire protection because the existing system is currently inadequate. Since Kailua Village is an already developed area, installation of the waterline is not expected to increase population growth or infrastructure demands.

- ▶ Involves substantial degradation of environmental quality.

Once completed, the waterline will not affect environmental quality. Any effects on environmental quality will be short term and related to construction activity. The contractors are required to comply with all Department of Health environmental and pollution control rules and regulations.

- ▶ Is individually limited but cumulatively has considerable effect on the environment, or involves a commitment to larger actions.

Again, the proposed waterline replacement is intended to provide adequate uninterrupted water flow and fire protection to Kailua Village because the existing system is currently inadequate. Since Kailua Village is an already developed commercial and resort area, installation of the waterline is not expected to increase population growth or lead to larger actions.

- ▶ Substantially affects a rare, threatened or endangered species or its habitat.

The waterline will be installed under an existing paved roadway through an established commercial/resort town. There will be no known effect to rare, threatened or endangered species or its habitat.

- ▶ Detrimentially affects air or water quality or ambient noise levels.

Once completed, the waterline will not detrimentally affect air or water quality or ambient noise levels. Any effects to be noted will be short term and related to construction activity. During construction the contractor is required to comply with all state and county regulations related to air and water quality and to mitigate noise levels related to his construction equipment and activity.

- ▶ Affects an environmentally sensitive area, such as a flood plain, tsunami zone or erosion prone area, geologically hazardous land, estuary, freshwater area, or coastal waters.

Portions of the water line are located in flood zone and high wave areas, but will be underground and not exposed to flood damage. The new waterline will not create a condition that is different from the existing situation.

- ▶ Substantially affects scenic vistas and view planes identified in county of state plans or studies.

This project does not affect scenic vistas or view planes.

- ▶ Requires substantial energy consumption.

This project will not require substantial energy consumption.

PART 8

COMMENTS AND RESPONSES

Comments received from:

Office of Environmental Quality Control, letter dated January 6, 1998.

Copies of comment letters and response letters are listed in Appendix B.

REFERENCES

Atlas of Hawaii, Second Edition, 1983, Department of Geography, University of Hawaii

Draft Master Plan for Kailua-Kona, March 1994, Prepared by R.M. Towill Corporation for County of Hawaii Planning Department.

Kailua Village Design Plan, July 1976, Prepared by Donald Wolbrink & Associates, Inc., for County of Hawaii, Planning Department.

Kailua Village Design Plan, 1988, Prepared by Will Chee - Planning, for County of Hawaii Planning Department.

Kona Regional Plan, 1982, Prepared by County of Hawaii, Department of Planning, Hilo, Hawaii.

Rules of Practice and Procedure, October 1996, County of Hawaii, Planning Commission.

Soil Survey of Island of Hawaii, State of Hawaii, December 1973, United States Department of Agriculture Soil Conservation Service, In Cooperation with University of Hawaii Agricultural Experiment Station.

Volcanic and Seismic Hazards on the Island of Hawaii, U.S. Department of the Interior, U.S. Geological Survey, Christina Heliker.

APPENDIX A
Community Meeting Minutes

**COORDINATION MEETING NOTES
ALII DRIVE 12-INCH WATERLINE REPLACEMENT**

September 30, 1997
2:00 p.m.
West Hawaii Mayor's Office
(See attached list for attendees)

The meeting was called to order by Larry Tanimoto with an explanation of the project and the purpose of the meeting. The purpose was to gather concerns from the local businesses that will be affected by this project and to try to coordinate the various county project in Alii Drive prior to the DPW resurfacing of Alii Drive.

Suggestion was made by representatives of the Huihee Palace to work at night. This would work out for them because the hours are during the daylight hours. Suggested maybe working from 11:00 p.m. to 7:00 a.m.

Huihee's major function is the first Saturday and Sunday in November at which time they have a arts and crafts fair for the x-mas season. This is their big event and it is held on the palace grounds during these two days. The other functions that they have can be altered to accommodate the construction. They also mentioned the Kam Day festivities that will be going on during Kam Day in June. This would be a major event for the community and there should be no construction during this time.

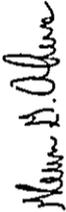
Suggestion of diverting traffic onto alternate streets would open the Department to liability. Another suggestion is to have only one way traffic during construction.

Final construction contract shall specify the exact window of time (March to May) that the construction must be completed, otherwise liquidated damages. This window has been specified by Public Works because of the fed funding requirements and public concern

Contract to also specify that the contractor will also make the consumer line connection also as part of this contract.

AGREED TO ITEMS:

LT agreed to contact Henry Cho and request that from hereon Henry be the coordinator for the various county departments to ensure that waterline construction and any other utilities or seawall repair will be completed prior to the resurfacing of Alii Drive by Public Works. LT will also talk to Henry about scheduling another meeting with concerned businesses since this meeting was poorly attended.



Glenn G. Ahuna

LIST OF ATTENDEES
ALII DRIVE 12-INCH WATERLINE REPLACEMENT

2:00 p.m.
30-Sep-97
West Mayor's Office

LNAME	FNAME	TITLE	COMPANY	ADDRESS	PHONE
Inaba	Melvin	Engineer	Inaba Engineering, Inc.	273 Waiianuenue Ave Hilo, HI 96720	961-3727
Spencer	Peahi	Business Manager	Hulihee Palace	75-5718 Alii Drive Kailua-Kona, HI 96740	329-9555
Kalima	Pat	Curator	Hulihee Palace	75-5718 Alii Drive Kailua-Kona, HI 96740	329-1877
Fujimoto	Edwin M.	Assistant District Superintendent	Department of Water Supply	78-6717 Mamalahoa Highway Hilo, HI 96725	322-0600
Ono	Richard T.	District Superintendent	Department of Water Supply	78-6717 Mamalahoa Highway Hilo, HI 96725	322-0600
Ahuna	Glenn G.	Engineer	Department of Water Supply	25 Aupuni Street Hilo, HI 96720	961-8660
Pavao	Milton D.	Manager	Department of Water Supply	25 Aupuni Street Hilo, HI 96720	961-8660
Tanimoto	Larry	Consultant	L.S.T. Inc.	65-1235 Opelu Road Kamuela, HI 96743	885-4514
Pack	Thomas	Engineer	Department of Public Works	75-5706 Kuakini Highway Kailua-Kona, HI 96740	327-3530

December 23, 1997

INFORMATIONAL MEETING FOR ALII DRIVE 12-INCH WATERLINE REPLACEMENT

Date: December 12, 1997

Time: 10:00 a.m.

Place: West Hawaii Mayor's Office

Attendees: See attached list

MEETING NOTES:

Meeting was opened by Henry Cho, Deputy Managing Director-West Hawaii, with him giving an overview of the three projects that will be impacting Alii Drive in the near future. The intent of the meeting is to coordinate all three projects such that it will minimally impact the businesses and prevent disturbance of newly resurfaced roadway. These projects include the DMS waterline replacement, DPH resurfacing of Alii Drive and the COE stabilizing the sea wall.

Ben Ishii, DPH, informed the attendees of the Kona Road Improvement-Phase II project that proposes to scarify Alii Drive 8' deep and then repave. This work, encompassing a portion of the waterline project limits from Kuakini Highway to Hale Halawai, must be done in the time period from March 1 to May 30, 1998. They are scheduled to go out to bid January 1998 pending the revision to the specifications.

Glenn Ahuna, DMS, gave an overview of the waterline replacement project limits extending along Palani Road, from Kuakini Highway to Alii Drive; Alii Drive from Palani Road to Hualalai Road; and Hualalai Road from Alii Drive to Kuakini Highway. Project schedule is as follows:

Invitation to bid	Last week in December
Open bid	January 23, 1998
Begin construction	March 1998
End of construction	April 30, 1998

Milton Pavao, Manager DMS, explained the purpose of the replacement project which is to replace a deteriorating 6-inch waterline that has had several main breaks in last year and provide fire flow.

Concerns expressed by the business owners included the following:

1. Ocean View Inn is closed on Mondays and they need access to the rear of their property for employee parking;
2. Pancho & Lefty's is open every day;
3. King Kamehameha Hotel requested hours of construction to be limited from 8:00 a.m. to 5:00 p.m. and any hoe ram work to be limited from 9:00 a.m. to 5:00 p.m. in front of their hotel, and
4. Kamehameha Day Parade is on June 13, 1998.

Dorinda Lum of the COE described their project to stabilize the Alii Drive seawall. They will not be doing any work in the roadway or sidewalk along Alii Drive. They propose to fill all voids on the front face of the seawall with concrete filled geotextile bags. This will hopefully prevent the sea water from continually erode the fines in the substrata of the seawall, sidewalk, and roadway. Their schedule tentatively calls for construction during the late summer of 1998.



Glenn G. Ahuna, CE V
Department of Water Supply

a:122397

APPENDIX B

Comment and Response Letters

BENJAMIN J. CAVETANO
GOVERNOR



STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

235 SOUTH BERETANIA STREET
SUITE 702
HONOLULU, HAWAII 96813
TELEPHONE (808) 586-4185
FACSIMILE (808) 586-4185

GARY GILL
DIRECTOR



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

25 AUPUNI STREET • HILO, HAWAII 96720
TELEPHONE (808) 961-8660 • FAX (808) 961-8657

January 9, 1998

January 6, 1998

Mr. Milton D. Pavao, Manager
Hawaii County Department of Water Supply
25 Aupuni Street
Hilo, Hawaii 96720

Dear Mr. Pavao:

Subject: Draft Environmental Assessment for the Alii Drive 12-inch
Waterline Replacement

Thank you for the opportunity to review the subject document. We
have the following comment.

1. Please discuss the findings and reasons for supporting the
FONSI determination based on all 13 significant criteria
listed in §11-200-12 of the EIS rules. Please see the
enclosed example.

Should you have any questions, please call Jeyan Thirugnanam at
586-4185.

Sincerely,

Gary Gill
Director

c: Inaba Engineering, Inc.

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

DRAFT ENVIRONMENTAL ASSESSMENT (EA) FOR THE
ALI I DRIVE 12-INCH WATERLINE REPLACEMENT
KAILUA-KONA, NORTH KONA DISTRICT, ISLAND OF HAWAII

We have received your comment letter of January 6, 1998 regarding the subject
project. Thank you for the time and effort spent in reviewing the document.

Your comment regarding further discussion of the findings and reasons for
supporting the FONSI determination based on all thirteen (13) significant criteria
listed in §11-200-12 of the EIS rules is acknowledged. We will provide discussion
on the thirteen (13) significant criteria in the Final Environmental Assessment.

Please feel free to contact our Water Resources and Planning Branch at (808) 961-
8660 should you have any questions or require additional information.

Milton D. Pavao, P.E.
Manager
GCA:gms

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JAN 07 1998

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... Water brings progress...