



**DEPARTMENT OF WATER SUPPLY**  
**COUNTY OF MAUI**  
P.O. BOX 1109  
WAILUKU, MAUI, HAWAII 96793-7109

DATE:

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OFC. OF ENVIRONMENTAL  
QUALITY CONTROL

July 31, 1991

Office of Environmental Quality Control  
Central Pacific Plaza  
220 South King Street, 4th Floor  
Honolulu, HI 96813

Re: Lae/Kai Place Waterline Improvements  
Kuau, Paia, Maui, Hawaii

Gentlemen:

In accordance with the requirements of Chapter 343, HRS and Chapter 200 to Title 11, Administrative Rules, we hereby notify you that an Environmental Impact Statement will not be required for the subject project.

As the proposing agency, we are forwarding herewith one copy of OEQC Form 89-01 and four (4) copies of an Environmental Assessment (Negative Declaration) for the subject project showing that there will be no significant impact on the environment as a result of the project. These are respectfully submitted for your consideration.

Sincerely,

Rae M. Shikuma  
Director

Encl: Publication Form  
Four (4) Environmental Assessments

cip/dj

*"By Water All Things Find Life"*

126

1991-08-23-MA-FEA

**ENVIRONMENTAL ASSESSMENT**  
**FOR**  
**\*LAE/KAI PLACE WATERLINE IMPROVEMENTS**  
**\* Paia, Maui, Hawaii**  
**DWS Job No. 88-19**

**Prepared For:**  
**County of Maui**  
**Board of Water Supply**

**Prepared By:**  
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**April, 1989**  
**Revised February, 1991**  
**Revised July, 1991**

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ENVIRONMENTAL ASSESSMENT  
FOR  
LAE/KAI PLACE WATERLINE IMPROVEMENTS  
Paia, Maui, Hawaii

I. AUTHORITY:

This report has been prepared in accordance with the requirements of Chapter 200 of Title 11, Administrative Rules, entitled "Environmental Impact Statement Rules", of the Hawaii Revised Statutes, State of Hawaii.

II. PROPOSING AGENCY:

Board of Water Supply, County of Maui, Wailuku, Maui, Hawaii.

III. DESCRIPTION OF THE PROPOSED PROJECT:

The work involved for this proposed project consists of the installation of approximately 1050 linear feet of 8-inch and 4-inch ductile iron waterlines, three (3) fire hydrants, and the replacement of existing water service laterals along Lae Place and Kai Place in Paia, Maui, Hawaii (see Figures 1 and 2).

The new 8-inch ductile iron waterline will connect to an existing 12-inch ductile iron waterline running parallel along Hana Highway, and will be offset approximately eight to fifteen feet from the existing right-of-ways of both Lae and Kai Place in a properly bedded trench with a minimum of three (3) feet of cover.

Sections of the waterline to be installed with less than three (3) feet of cover will require a concrete topping above the waterline for added protection. Upon completion of the waterline installation along Lae and Kai Place, the disturbed paved surface over the trench will be reconstructed with 6 inches of untreated base course and 2 inches of asphaltic concrete. Pavement to be reconstructed within State right-of-way at the Hana Highway and Lae Place intersection shall consist of 12 inches of aggregate subbase, 8 inches of aggregate base course, and 4 inches of asphaltic concrete; or 8 inches of either asphaltic concrete base course or asphaltic concrete and 4 inches of asphaltic concrete; or matching the existing pavement structure on Hana Highway, whichever is greater.

Fire protection will be provided by the installation of three (3) fire hydrants along Lae and Kai Place which will be spaced to provide for fire protection with a maximum radius of 250 feet from each hydrant, as required by the Fire Department.

Existing water service laterals will also be replaced in conjunction with the installation of the waterlines; however, existing water meters will only be relocated if necessary, and not replaced.

IV.

PURPOSE OF THE PROJECT:

The purpose of this proposed project is to improve the existing water system within Lae and Kai Place by

installing new 8-inch and 4-inch waterlines and also by replacing old water service laterals to private properties. Three (3) fire hydrants will also be installed at designated locations along Lae and Kai Place in conjunction with this proposed project, which will insure fire protection for the residents of Lae and Kai Place which was not previously available except for an existing standpipe at the Hana Highway and Lae Place intersection.

V. DESCRIPTION OF AFFECTED ENVIRONMENT:

The proposed improvements will be constructed within the right-of-way of Lae and Kai Place and at the intersection of Hana Highway and Lae Place. Single family residences are presently located on either sides of both Lae Place and Kai Place. Due to narrow right-of-ways for both Lae and Kai Place, easements will be acquired for one of the three fire hydrants that will be installed.

VI. POTENTIAL ENVIRONMENTAL IMPACTS AND SIGNIFICANCE:

Since the proposed project will be located almost entirely within the right-of-ways for Lae and Kai Place, no major environmental impacts, either long or short term, are anticipated. The following observations are pertinent to the project:

- a) There are no known significant historic or archaeological sites within the proposed construction area.

- b) Beneficial uses of the environment will not be affected except for limited short term construction-related problems that include the following:
- 1) Noise and dust arising from construction activities.
  - 2) Temporary disruption of traffic along Lae and Kai Place and at the intersection of Hana Highway and Lae Place.
  - 3) Temporary disruption of water service during connection of the new 8-inch waterline to the existing 12-inch waterline on Hana Highway.
- c) No major long term environmental impacts are anticipated.
- d) There should be no substantial effects on the economic or social welfare of the community or State.
- e) There should be no substantial effects on public health.
- f) The installation of the new water system will only serve existing property owners; therefore, there should be no secondary impacts such as population changes or effects on public facilities.

- g) The new water system will upgrade rather than degrade the environmental quality by providing the existing property owners with better water service and new fire hydrants.
- h) There should be no effect on the environment in terms of a cumulative effect.
- i) There are no rare, threatened, or endangered species of flora or fauna which will be affected by the proposed project. Trenching for the waterlines will be entirely within the existing right-of-ways for Lae and Kai Place and at the intersection of Hana Highway and Lae Place, except for the one (1) fire hydrant that will be located in an easement in private property.
- j) There will be some noise and dust arising from construction activities. There should be no detrimental effects on water quality if the new water system is installed properly.
- k) Since this project will consist of installing new waterlines, water laterals, and fire hydrants, there should be no effect on any environmentally sensitive area such as flood plain, tsunami zone or erosion-prone area within or surrounding the construction area.

The Contractor will be required to observe all State and County regulations regarding noise, dust and traffic control. He will also be responsible for providing and maintaining all traffic control equipment. Portions of Lae Place and Kai Place will be closed during working hours for the installation of the new waterlines; however, at least one lane of traffic on Hana Highway must be kept open at all times for work at the intersection of Hana Highway and Lae Place during working hours. Both lanes of traffic on Hana Highway and at Lae and Kai Place must be open during non-working hours, therefore no open trenches will be allowed during non-working hours.

VII. SHORELINE MANAGEMENT AGENCY APPROVAL:

This project is located within the Special Management Area (SMA) but is exempt from the SMA process because it is considered as a waterline replacement project.

VIII. ALTERNATIVE TO PROPOSED PROJECT:

As previously mentioned, the installation of the new waterlines along Lae and Kai Place will be entirely within the existing right-of-ways for Lae and Kai Place and at the intersection of Hana Highway and Lae Place, except for one (1) fire hydrant which will be installed in an easement in private property. Property encumbrances and improvement costs have been kept to a minimum in the design of this proposed project, therefore

it is our opinion that the only alternative to the proposed project is to not proceed with the construction of this project. This alternative can only be seen as unacceptable since the existing waterlines are old and too small for adequate fire protection for the residents of Lae and Kai Place.

IX.

SUMMARY AND CONCLUSIONS:

1. There are no significant or negative long-term environmental impacts resulting from this project.
2. Short-term environmental problems that are construction-related can be expected; however, they should not be significant and can be controlled without difficulty.
3. The proposed project will significantly improve water service to the residents of Lae and Kai Place and will also provide them with the additional benefit of a fire protection system that is presently not available along Lae and Kai Place except for an existing standpipe at the Hana Highway and Lae Place intersection.

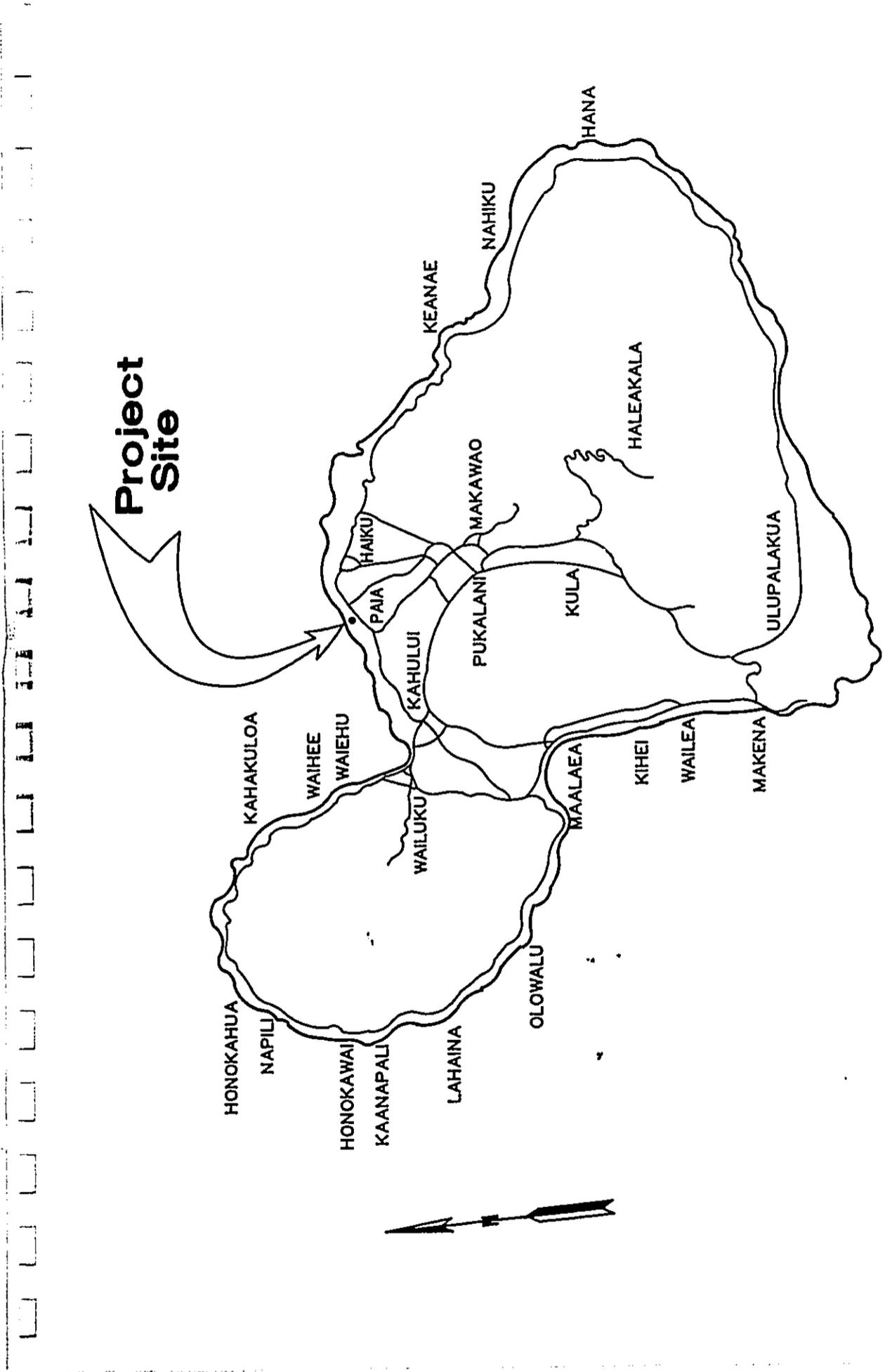
In view of the foregoing, an Environmental Impact Statement for this project is not required.

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Figure 1 - Location Map

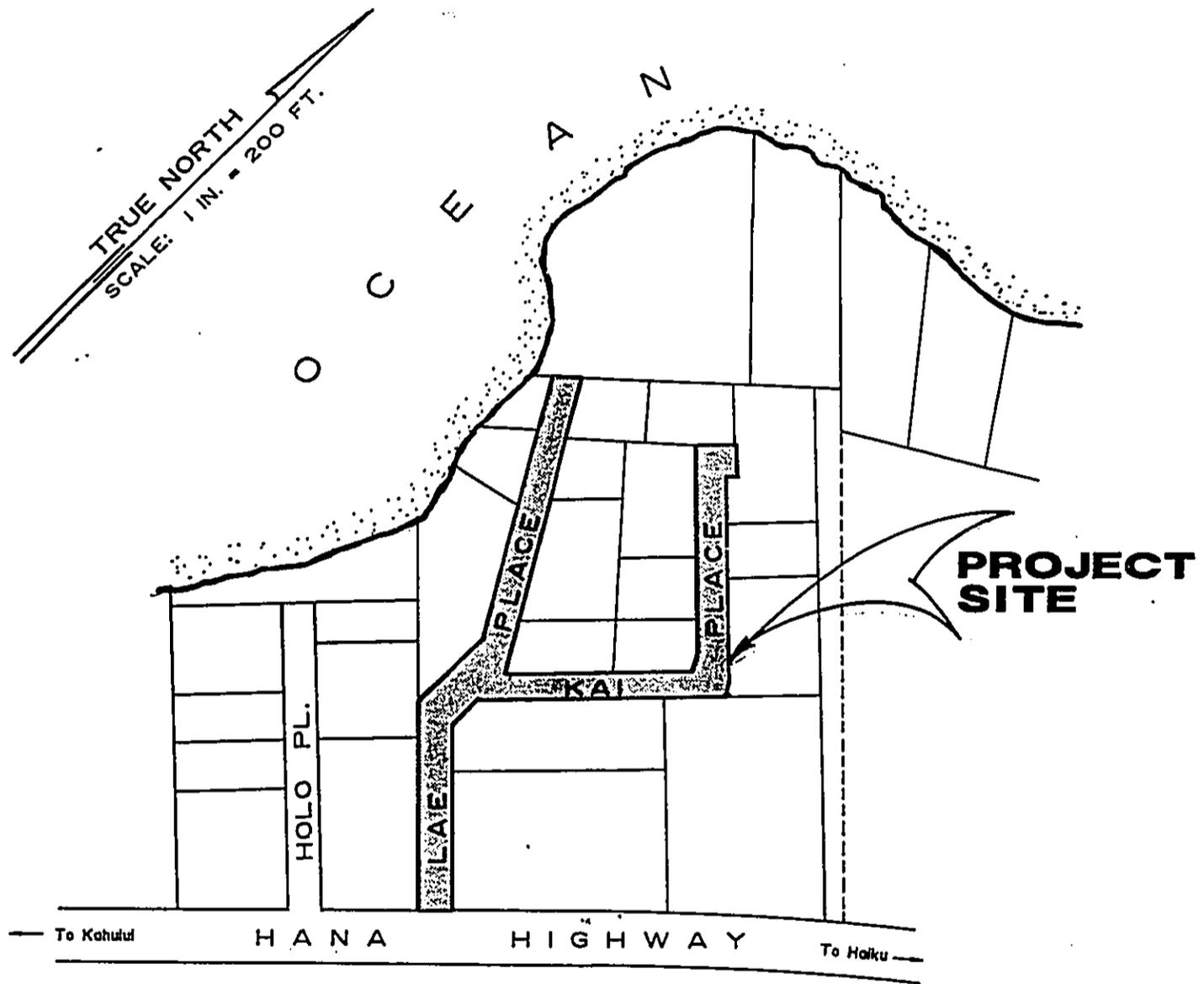
Figure 2 - Location Map

Figure 3 - Fire Protection Water  
Distribution Map for Paia



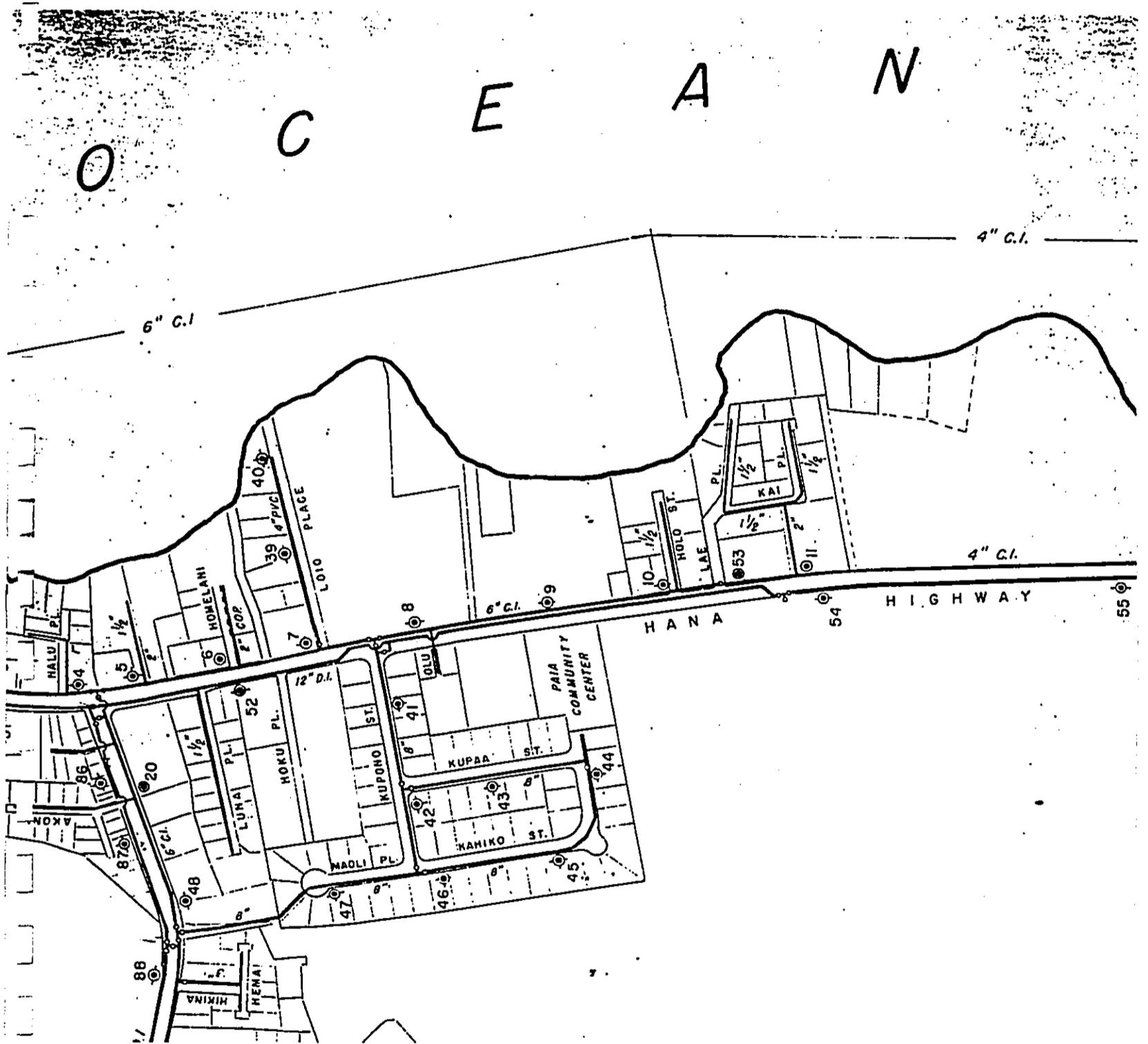
**ISLAND OF MAUI**  
 NOT TO SCALE

**Figure 1**  
**Location Map**



**Figure 2**  
**Location Map**

DOCUMENT CAPTURED AS RECEIVED



**Figure 3  
Fire Protection Map  
for Paia**