



DEPARTMENT OF WATER SUPPLY

COUNTY OF MAUI

P.O. BOX 1109

WAILUKU, MAUI, HAWAII 96793-7109

RECEIVED

'90 AGO 30 AM 11:29

August 29, 1990

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

Mr. Bruce Anderson, Acting Interim Director
Office of Environmental Quality Control
465 South King Street, #115
Honolulu, HI 96813

Attn: Mr. Brian Choy

Re: Kamehameiki Waterline, Phase I and II
Kula, Maui, Hawaii

Dear Mr. Choy:

In accordance with the requirement 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,

Nolan Perreira
Deputy Director

cip

"By Water All Things Find Life"

1990-09-08-MA-PEA

FILE COPY

RECEIVED

'90 SEP -4 P2:50

ENVIRONMENTAL ASSESSMENT/DETERMINATION

FOR THE

OFC. OF ENVIRON
QUALITY

& KAMEHAMEIKI WATERLINE, PHASE I & II

AT

KULA, MAUI, HAWAII

PREPARED FOR
THE DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI

PREPARED BY
RICHARD M. SATO & ASSOCIATES, INC.
WAILUKU, MAUI, HAWAII 96793

AUGUST 1990

TABLE OF CONTENTS

<u>TOPIC</u>		<u>PAGE</u>
I.	<u>APPLICABILITY OF CHAPTER 343, HAWAII REVISED STATUTES.....</u>	1
II.	<u>PHYSICAL CHARACTERISTICS</u>	
	A. SITE LOCATION.....	1
	B. EXISTING LAND USE.....	1
III.	<u>PROPOSED DEVELOPMENT</u>	
	A. PROJECT DESCRIPTION.....	1
	B. SHORT-TERM IMPACTS.....	2
	C. LONG-TERM IMPACTS.....	3
IV.	<u>EVALUATION OF POTENTIAL SIGNIFICANT IMPACTS</u>	
	A. SUMMARY.....	3
	B. EVALUATION.....	4 - 6
V.	<u>DETERMINATION.....</u>	6
VI.	<u>REFERENCES.....</u>	6
VII.	<u>AGENCIES CONSULTED.....</u>	7
VIII.	<u>EXHIBITS.....</u>	8 - 10

I. APPLICABILITY OF CHAPTER 343, HAWAII REVISED STATUTES

The proposed actions will be funded by the Board of Water Supply, County of Maui.

II. PHYSICAL CHARACTERISTICS

A. SITE LOCATION

The waterline project will be located in Kula, Maui, Hawaii within the second tax division, Tax Map Key 2-3-01.

The waterline will be installed within the Kekaulike Avenue and Kamehameiki Road right-of-ways, on the eastern side of the Island of Maui. The project area descends from an elevation of 3599 feet above sea level to an elevation of 3368 feet above sea level. (See location map, Exhibit 1).

B. EXISTING LAND USE

Properties adjacent to the project site, Kekaulike Avenue and Kamehameiki Road, are currently zoned for rural and agricultural use. Existing land use includes a few single family residences and small farms.

III. PROPOSED DEVELOPMENT

A. PROJECT DESCRIPTION

The project will consist of the installation of approximately 450 lineal feet of 8" water pipeline and appurtenances within the Kekaulike Ave. right-of-way, and 1,850 lineal feet of 6" water pipeline, three fire hydrants, service connections, valves, fittings and appurtenances within the Kamehameiki Rd. right-of-way. The 8" pipeline will begin about 300 ft. south of the Pulehuiki/Kekaulike intersection near the Pulehu-Ike 70,000 gallon storage tank and will extend southward along Kekaulike Ave. until the Kekaulike/Kamehameiki intersection. The line will be reduced to 6" diameter as it extends westward along Kamehameiki Rd. for the remaining 1850 feet. The new pipeline will connect to an existing 6" waterline near standpipe 274. The new waterline will be used to improve water pressure and increase fire protection for the lower areas, since the existing 4" galvanized pipeline is old, corroded, and inadequate for the area's needs. (See Exhibit 2).

B. SHORT-TERM IMPACTS

1. Construction

Short-term impacts relate to construction activities can be anticipated for the duration of construction. These include impacts on air and water quality, increases in noise levels, and disruption of traffic. However, none of these impacts are considered to be significant because of the brief anticipated construction period. The following measures shall be implemented to minimize the effects of the impacts:

- A. Dust will be controlled by means of water wagons, by installing temporary sprinkler systems, or both if necessary. Dust control shall be maintained during both working and non-working hours.
- B. The contractor shall dispose of chlorinated water in an approved manner. No chlorinated water shall be discharged into any stream, ditch, swale or any other type of waterway without first being diluted to a safe level.
- C. Exhaust emissions will be minimized by proper maintenance and operation of all equipment.
- D. Construction noise will be controlled by limiting construction to the hours between 7:00 a.m. and 5:00 p.m. Noise from construction equipment will also be reduced, by insuring installation and proper functioning of mufflers.
- E. The contractor will be required to provide proper traffic control devices and/or flagmen to minimize any disruption to the flow of traffic.

2. Economic

The economic impacts of the proposed project will be minimal. These impacts include short-term construction related employment and the purchasing of construction materials.

C. LONG-TERM IMPACTS

1. Physical Impacts

The project will be on road shoulders and pavements within the road right of way. Alteration of the existing topographic features will be minimal and is not expected to have any significant or adverse effects. No increase in flood elevations is expected to occur as a result of the Project. Current drainage patterns will be maintained, with no increase in storm water generated by the project.

2. Impact on Public Facilities

Fire protection will be improved due to the installation of fire hydrants and a larger diameter waterline.

3. Biological Impacts

The proposed action is not expected to affect any rare or endangered species of flora, fauna or avifauna, nor any critical wildlife habitat.

4. Impact on the Community

The proposed project is expected to have a beneficial impact on the community. It will improve fire protection with larger pipelines and with the addition of fire hydrants. The project will also improve the area's low water pressure problem.

IV. EVALUATION OF POTENTIAL SIGNIFICANT IMPACTS

A. SUMMARY

In evaluating the effects of the proposed action, it appears the action will not have any "significant negative effect" on the quality of the environment.

B. EVALUATION

1. "Involves an irrevocable commitment to loss or destruction of any natural or cultural resources."

There are no such natural or cultural resources associated with the proposed project site. Prior use of the property including road construction, has already substantially altered the site from its natural state.

There is no indication of any historical or archaeological sites associated with the property. There are also no valuable mineral deposits located on the site, nor any rare or endangered species of biota.

2. "Curtails the range of beneficial uses of the environment."

The installation of the water pipeline within the existing roadway does not curtail the range of beneficial uses of the environment.

3. "Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 342 and 344, Hawaii Revised Statutes, and any revisions thereof and amendments thereto, court decisions or executive orders."

The proposed action is not in conflict with any of the State's long-term environmental policies or goals.

The project will be designed to meet all existing environmental policies and guidelines. Sufficient reviews will also be conducted to insure that the design of the facilities will meet State standards.

4. "Substantially affects the economic or social welfare of the community, County or State."

The primary economic impact will be positive, but short-term, cash infusion during the construction phase of the project.

Impacts on the social welfare of the community will be positive. The proposed action will improve water pressure and therefore will improve fire fighting capabilities for the adjacent areas.

5. "Involves substantial secondary impacts, such as population changes or effects on public facilities."

Secondary impact in the form of a minimal amount of population growth may occur as a result of the waterline construction. While previous growth had been restricted due to a deficient water supply, the proposed waterline construction when completed, could allow growth to resume.

A positive effect on the water system's water pressure, domestic water quality and fire protection capabilities will occur.

6. "Involves a substantial degradation of environmental quality."

The proposed action will not involve any significant degradation of environmental quality.

7. "Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions."

The proposed action, either individually or cumulatively, will not have a considerable effect on the environment, nor will it involve a commitment to larger actions.

8. "Substantially affect a rare, threatened, or endangered species of animal or plant, or habitat."

No rare, threatened or endangered species of animals or plants, were identified at the project location, nor were any sensitive, wildlife habitats located.

9. "Detrimentially affects air or water quality or ambient noise levels."

No significant detrimental effects on air or water quality or ambient noise levels are anticipated. Because the project area is small, fugitive dust will not be a problem.

Storm runoff will not be increase and the direction of flow will not be altered. At the completion of construction, noise levels will return to levels comparable with existing ambient levels.

10. "Affects an environmentally sensitive area, such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh water and costal waters."

The proposed action is not located in an environmentally sensitive area. It is also not expected to have any significant adverse impacts on fresh or coastal waters. The project is not located within a flood plain or within a tsunami zone. Soil will be protected by adequate erosion control measures during the construction period. The project is not located on unique geologically hazardous lands.

V. DETERMINATION

Short-term impacts from the proposed action are expected to be insignificant. Construction activities which affect air quality and noise levels are short termed and will be minimized through mitigative measures. The economic impact of the proposed action will be positive, but insignificant.

Long-term impacts caused by the minor alteration of the natural topography are expected to be insignificant. Environmental and biological impacts should be of minimal significance, while economical and social impacts will be positive but minor.

It is therefore determined that the proposed action will not have any significant impacts on the environment as defined by Chapter 343, of the Hawaii Revised Statutes and the Environmental Impact Statement Regulations prescribed by the State's Environmental Quality Commission. In looking at the above analysis it is determined that an Environmental Impact Statement will not be required for Kamehameiki Waterline, Phase I & II.

VI. REFERENCES

Chapter 200 of Title 11, Administrative Rules, entitled "Environmental Impact Statement Rules."

Soil Survey of Kauai, Oahu, Maui, Molokai, Lanai - State of Hawaii, August 1972, U.S. Soil Conservation Service.

Guidelines for Computing Allowable Erosion Rate, Uncontrolled Erosion Rate, And Reduction Need To Meet The Standard, Islands of Maui, Molokai and Lanai.

Makawao - Pukalani - Kula Community Plan, County of Maui.

VII.

AGENCIES CONSULTED

Department of Planning, County of Maui

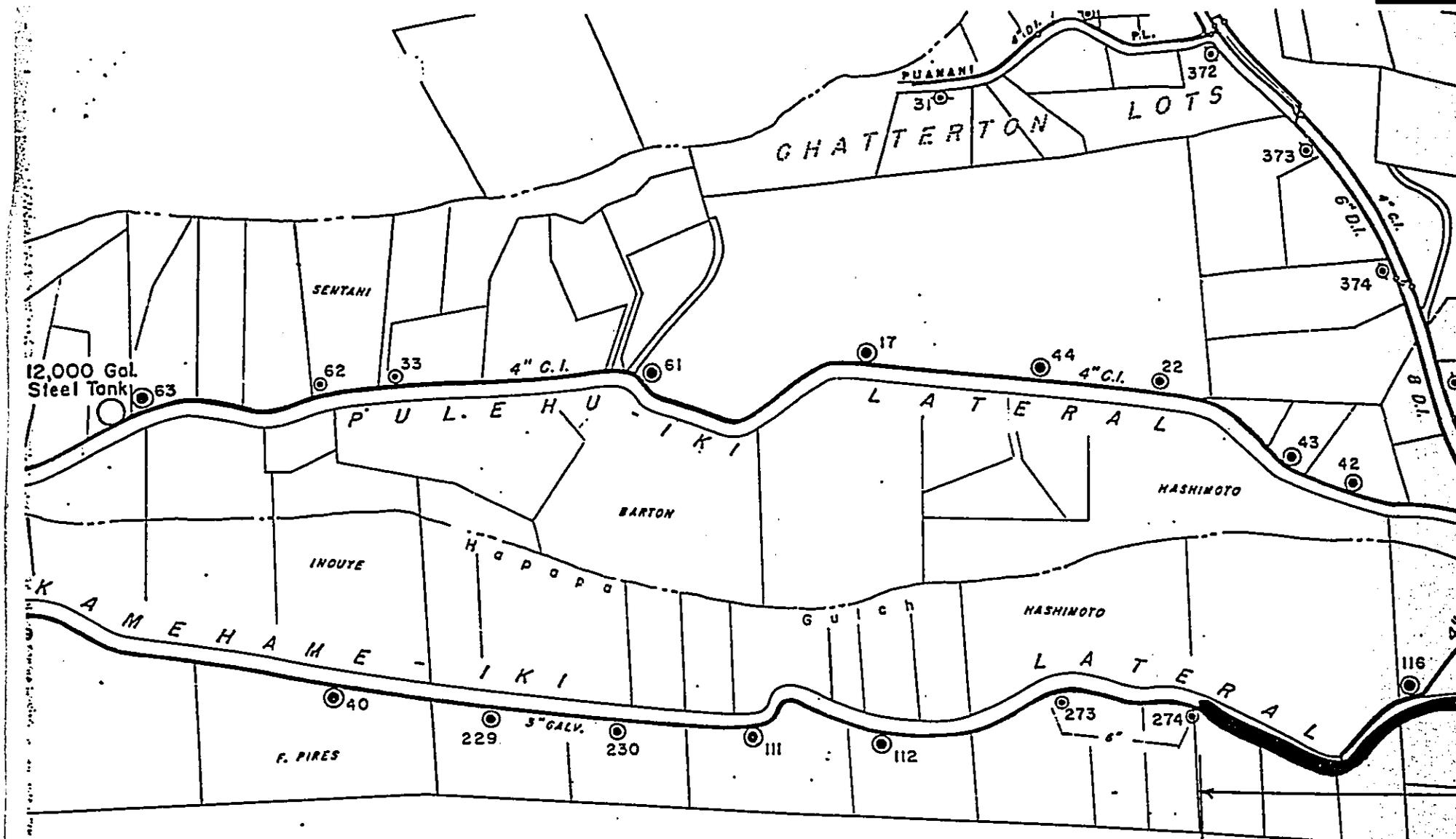
Department of Public Works, County of Maui

Department of Water Supply, County of Maui

Department of Transportation, Highways Division
State of Hawaii (Maui District)

VIII. EXHIBITS

1. LOCATION MAP
2. KAMEHAMEIKI WATERLINE



1,850' OF 6" D
W/F.H. & SERV

20,000 Gal.
R.W. Tank
Elev. 3,290
KEALAHOU

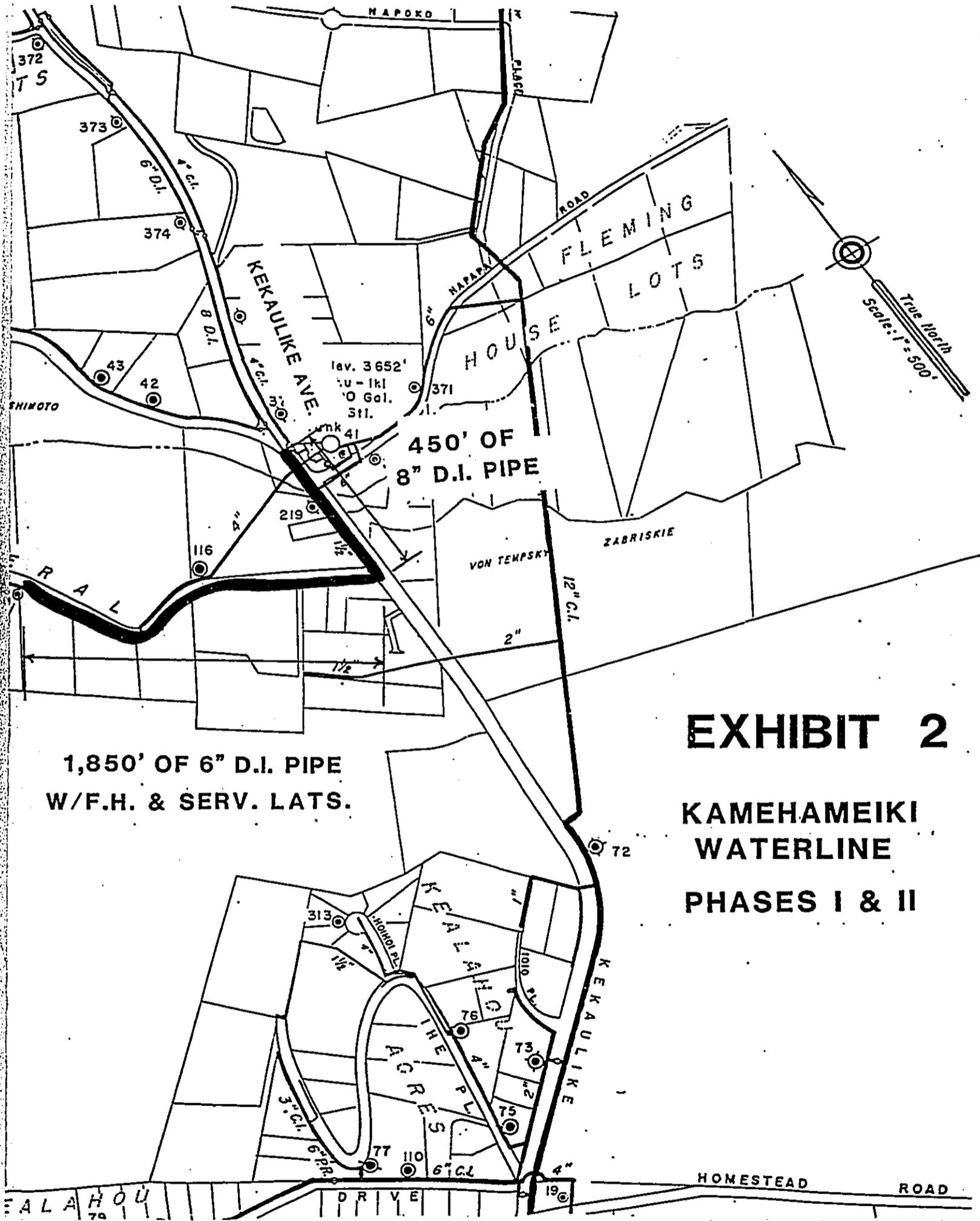


EXHIBIT 2

KAMEHAMEIKI
WATERLINE

PHASES I & II