

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

NOTICE OF NEGATIVE DECLARATION

FOR

MAHALO - PANUI STREETS RECONSTRUCTED SEWER

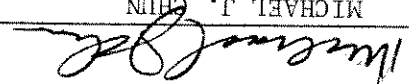
Honolulu, Oahu, Hawaii

Tax Map Key: 1-7-13 & 38 and 1-8-18 & 19

This Document is Prepared Pursuant to Chapter 343, H.R.S.

PROPOSING AGENCY:

Department of Public Works
City and County of Honolulu
650 So. King Street
Honolulu, Hawaii 96813

RESPONSIBLE OFFICIAL: 
MICHAEL J. CHUN
Director and Chief Engineer
DATE: 3/11/84

Prepared By:

Stanley S. Shimabukuro & Associates, Inc.
Civil & Structural Engineers
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816

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NOTICE OF NEGATIVE DECLARATION

MAHALO - PANUI STREETS RECONSTRUCTED SEWER

Honolulu, Oahu, Hawaii

1. DESCRIPTION OF THE PROPOSED ACTION AND STATEMENT OF OBJECTIVES

A. Project Location

The project is located in the Liliha area of Honolulu,

Oahu, Hawaii as shown on Figures 1 and 2.

B. Project Description

The project consists of the reconstruction of a portion of existing 6-inch sewer main on Mahalo Street from Walea Place to Twin View Drive by the installation of approximately 710 lineal feet of new 8-inch sewer main, the reconstruction of a portion of existing 8-inch sewer main on Judd Street from Waolani Stream to Mahalo Street by the installation of approximately 1400 lineal feet of new 10-inch sewer main, and the rechannellization of an existing sewer manhole at the intersection of Panui and Pala Streets as shown on Reconstructed Sewer Plan, Figure 2.

C. Statement of Objectives

The objective of the project is to provide improved sewer mains to accommodate existing sewage flows from the Liliha Street and

Department of Health
Office of Environmental Quality Control
Department of Land and Natural Resources
Department of Planning and Economic Development

A. State of Hawaii

2. AGENCIES CONSULTED IN THE ASSESSMENT PROCESS

Waoliani Stream Sewage Tributary Areas. The reconstructed 8-inch sewer main on Mahalo Street and 10-inch sewer main on Judd Street, and the rechanneled sewer manhole at the intersection of Panui and Pala Streets are required to improve the reliability of the existing sewer system for the west Nuuanu service area and to prevent sewage back-ups at several residences. Portions of the existing Panui Street, Liliha Street and Judd Street sewer mains have not conveyed peak flows adequately and two residences at TMK: 1-7-37: 52 and 53 at the west end of Panui Street have experienced sewage back-up problems. Also, a sewer manhole at Dayton Lane has experienced overflows. By rerouting, reconstructing and upgrading portions of the existing Mahalo and Judd Streets sewer mains and the Panui and Pala Streets sewer manhole, the existing mains will have sufficient capacity to convey peak flows.

B. City and County of Honolulu

Department of General Planning

Department of Land Utilization

Department of Transportation Services

Board of Water Supply

Fire Department

C. Federal

U.S. Army Corps of Engineers

U.S. Department of Interior, Fish and Wildlife Service

D. Others

Hawaiian Electric Co., Inc.

Hawaiian Telephone Co.

GASCO, Inc.

St. Francis Hospital

Nuuanu-Punchbowl Neighborhood Board No. 17

Liliha-Kapalama Neighborhood Board No. 14

Alawa Heights Community Association

3. DESCRIPTION OF THE AFFECTED ENVIRONMENT

The Liliha area in west Nuuanu affected by the proposed action is composed mainly of residential developments with a mixture of commercial developments near Kuakini Street as shown on Figure 1. Also affected is St. Francis Hospital. See Figure 2. The major roadways in the area include Liliha Street, Kunawai Lane, Judd Street and Mahalo Street.

The proposed Mahalo Street 8-inch reconstructed sewer main will begin at the existing 8-inch sewer main at the intersection of Walea Place, and extend mauka within the Mahalo Street right-of-way to Twin View Drive where it will connect to the existing 8-inch sewer main. The proposed Judd Street 10-inch reconstructed sewer main will begin at the existing 18-inch sewer main at Waolani Stream, extend west within the Judd Street right-of-way across Liliha Street to Mahalo Street where it will connect to the existing 8-inch sewer main. The proposed rechanneled sewer manhole is located at the intersection of Panui Street and Pala Street. See Figure 2. Other than minor traffic inconveniences to some of the residences in the area due to trenching and pipe laying work, no major problems are anticipated.

4. GENERAL DESCRIPTION OF THE ACTION'S TECHNICAL, SOCIAL, ECONOMIC,

AND ENVIRONMENTAL CHARACTERISTICS

A. Technical Characteristics

The Liliha Street and Waolani Stream sewer mains are part of the Honolulu wastewater system. Both mains collect sewage from the mauka areas of west Nuuanu and convey sewage to a 36-inch interceptor line on School Street. Sewage is eventually conveyed thru the existing sewer system to the Sand Island Sewage Treatment Plant where it is treated and discharged into the ocean.

The 8-inch reconstructed main on Mahalo Street will be installed to reduce infiltration of groundwater during heavy rains and to meet the City's minimum pipe size standard of 8-inches. IV inspection of the existing 6-inch main by the City Division of Wastewater Management indicated that the line was in poor condition with numerous breaks and cracks. The upgraded 8-inch main will have a capacity of 1.74 million gallons per day (mgd).

The Mahalo Street sewer main will be rerouted to the Judd Street main to reduce peak flows thru the existing 8-inch mains on Panui Street and Liliha Street by 0.40 mgd. West of Liliha Street the existing 8-inch main on Judd Street does not have sufficient slopes to adequately convey existing peak flows with minimum

velocity. East of Liliha Street the existing 8-inch main does not have sufficient capacity to convey existing peak flows. The Judd Street main will be upgraded to 10-inches to meet City capacity and minimum velocity standards and to convey the additional flow from the Mahalo Street sewer main. The 10-inch reconstructed main will have a capacity of 0.70 mgd west of Liliha Street and 1.30 mgd east of Liliha Street.

The sewer manhole rechannelizing work at the intersection of Panui and Pala Streets and the reduced flow of 0.40 mgd will improve flows thru the manhole and prevent sewage back-ups on Panui Street. The remaining portions of the existing Panui Street and Liliha Street sewer mains have sufficient capacity to convey the new reduced peak flows. The downstream portions of the existing Waolani Stream sewer mains have sufficient capacity to convey the new added peak flows.

The installation of approximately 710 lineal feet of new 8-inch sewer main on Mahalo Street at an average depth of about 8 feet and 1400 lineal feet of new 10-inch main on Judd Street at an average depth of about 12 feet within City rights-of-way will be required. The above pipe sizes and lengths are based on preliminary studies and are approximate only. Minor changes are expected during the design stage and construction stage to accommodate final engineering calculations and actual field conditions.

Long-term environmental impacts resulting from the proposed action will be negligible since the project is an underground system within a developed, urban area. However, some short-term impacts relating to construction operation are expected.

C. Environmental Characteristics

The estimated cost for the construction of this project is approximately \$350,000. Construction funds will be appropriated from the City's Capital Improvement Program. This project will not increase user service charges, nor will it require direct assessment to the residents being served.

The social implications of the proposed action will be negligible due to the subsurface nature of the project. The project will not displace any families nor any commercial establishments and will not cause any hardship to the landowners and/or lessees. The upgraded sewer mains will eliminate the sewage back-up and overflow problems that have occurred during peak flow periods.

B. Social and Economic Characteristics

Construction will meet all City and County of Honolulu Standards.

follows:

Although all government regulations concerning construction will be adhered to, some short-term effects associated with construction activities are anticipated. These short-term effects are as

B. Short-Term Impacts

The probable major impacts on the environment resulting from this project can be divided into two categories: 1) the short-term impacts, which are the impacts associated with construction activities; and 2) the long-term impacts, which follow the construction period.

A. General

MEASURES

5. IDENTIFICATION AND SUMMARY OF MAJOR IMPACTS AND PROPOSED MITIGATION

There will be no significant impact on wildlife in the area. There are no known endangered flora or fauna within the project area. There are no known natural, historical or archaeological sites within the project area. However, should any evidence of historical and/or archaeological sites be uncovered during excavation, the Contractor shall stop work and the State Historic Preservation Officer will be notified.

Several conventional methods will be used to mitigate the adverse effects due to construction activities. Construction will be limited to normal daylight working hours and the Contractor will

D. Mitigation Measures Proposed to Minimize Impacts

1. Commitment of space taken by the underground pipeline will be a negligible adverse effect.
2. Assurance of a reliable sewer system for the Liliha Street and Waolani Stream Tributary Areas will be a beneficial effect.

The long-term impacts of the project are as follows:

C. Long-Term Impacts

1. Noise, exhaust, and dust emissions resulting from the movement of construction materials and equipment.
2. Interference with normal traffic patterns on Mahalo and Judd Streets due to construction activities.
3. Demolition and reconstruction of existing sewer facilities, curbs, gutters, sidewalks, road pavements, driveways, etc.

Private rights-of-way and driveways will be kept open at all times unless the owners of the properties using these rights-of-way are otherwise provided for satisfactorily. Traffic to and from the

completed.

or better condition after installation of the sewer lines are All existing street improvements will be restored to original hours between 8:30 A.M. and 3:30 P.M., Monday through Friday. Construction within streets will be limited to the non-peak

April 1980.

Uniform Traffic Control Devices for Streets and Highways",

Construction and Maintenance Operations," of the "Manual on

Coordinator, and Part VI, "Traffic Controls for Highway

and Public Highways", as adopted by the State Highways Safety

Control Devices at Work Sites on or Adjacent to Public Streets

prescribed in the "Rules and Regulations Governing Use of Traffic

required to comply with safety precautions and measures as

access will be maintained at all times. The Contractor will be

traffic during the construction period. Vehicular and pedestrian

There will be some inconvenience for vehicular and pedestrian

of Hawaii.

Title II, Administrative Rules of the Department of Health, State

Control" and Chapter 43, "Community Noise Control for Oahu," of

be required to comply with Section 26, Chapter 60, "Air Pollution

Not to build the reconstructed sewer lines will be counter to the planned policies of the City and County of Honolulu to improve the reliability of the sewage facilities in the west Nuuanu service area. Existing facilities will continue to be inadequate during peak flow periods. Sewage back-ups, particularly at the two residences on the west end of Pannu Street, and overflows at sewer

A. No Project

Alternatives to the proposed action are: a) Not building the new 8-inch reconstructed sewer mains on Mahalo and Judd Streets and new 10-inch reconstructed sewer mains on Liliha and Pannu Streets (Alternate No. 1); and d) install new 8-inch reconstructed sewer mains on Mahalo and Judd Streets and new 8-inch relief sewer main on Liliha Street, Kunawai Lane to Pannu Street (Alternate No. 2).

6. ALTERNATIVES TO THE PROPOSED ACTION

private properties will be provided at all times and the Contractor will be required to minimize inconveniences to the property owners. All driveways, ground cover, etc. will be restored to original or better condition after the installation of the sewer lines are completed.

required to meet City peak flow and minimum velocity standards.
main on Judd Street from Waolant Stream to Nu Place will be
Installation of approximately 1300 lineal feet of new 8-inch sewer
replace damaged pipes to reduce infiltration into the system.
be required to meet City minimum pipe size standards and to
main on Mahalo Street from Walea Place to Twin View Drive will
Installation of approximately 710 lineal feet of new 8-inch sewer
sewer mains on Liliha and Pannu Streets.

8-inch sewer main on Judd Street and portions of existing 8-inch
existing 6-inch sewer main on Mahalo Street, a portion of existing
This alternative consists of the reconstruction of a portion of

Streets - Alternate No. 1. See Figure 3.

and New 10-inch Reconstructed Sewer Mains on Liliha and Pannu
New 8-inch Reconstructed Sewer Mains on Mahalo and Judd Streets C.

Delay of the project will initially have the same effect as "No
Project" as described above. Construction at a later date will
result in an increase in construction cost due to inflationary
escalations. The "Delay of Project" alternative is not appropriate.

Delay of Project B.

manhole on Dayton Lane will continue to occur. The "No Project"
alternative is not appropriate.

This alternative consists of the reconstruction of a portion of existing 6-inch sewer main on Mahalo Street and a portion of existing 8-inch sewer main on Judd Street, and the construction of a new 8-inch relief main on Liliha Street, Kunawai Lane to

New 8-inch Reconstructed Sewer Mains on Mahalo and Judd Streets
and New 8-inch Relief Sewer Main on Liliha Street, Kunawai Lane
to Panui Street - See Alternate No. 2. Figure 4.

D.

alternative is not cost effective.

The estimated cost for Alternate No. 1 is \$625,000. This about 1650 ± lineal feet of new pipe length to the project. construction equipment and materials. This alternative adds one-way one lane traffic and the limited space for movement of Trenching and pipe laying work will be costly because of the permitted on one-side and only one lane is available for traffic. one-way street with a 20-foot wide right-of-way. Parking is must be scheduled during non-peak hours. Panui Street is a narrow Liliha and Judd Streets are major streets and construction work Construction on Liliha, Panui and Judd Streets will be difficult. Pala Street will be required to meet City peak flow standards. sewer mains on Liliha and Panui Streets from Kuakini Street to Installation of approximately 1750 lineal feet of new 10-inch

Panui Street to intercept flow upstream of Panui Street and to convey this flow to the Liliha Street sewer main at Kuakini Street. Installation of approximately 710 lineal feet of new 8-inch sewer main on Mahalo Street from Walea Place to Twin View Drive will be required to meet City minimum pipe size standards and to replace damaged pipes to reduce infiltration into the system. Installation of approximately 1300 lineal feet of new 8-inch sewer main on Judd Street from Waolani Stream to Nu Place will be required to meet City peak flow and minimum velocity standards. Installation of approximately 1670 lineal feet of new 8-inch relief mains on Liliha Street, Kunawai Lane, thru Kunawai Playground and Pala Street to Panui Street will be required to reroute 0.61 mgd of peak flow from upstream of Panui Street away from the Panui and Liliha Streets existing 8-inch mains which have not conveyed peak flows adequately. With this rerouting of flow, the Panui and Liliha Streets existing 8-inch mains will meet the City peak flow standards and will adequately convey the new reduced peak flows.

Construction on Liliha and Judd Streets and Kunawai Lane will be difficult. Liliha and Judd Streets are major streets and construction work must be scheduled during non-peak traffic hours.

the proposed action due to the subsurface nature of the project.

A. There are no direct social or economic impacts resulting from

of this project:

there will be no significant effect on the environment as a result

The following findings and reasons support the determination that

8. FINDINGS AND REASONS SUPPORTING DETERMINATION

determined to be in order.

Chapter 343, Hawaii Revised Statutes, a Negative Declaration is

is not required. Therefore, in accordance with the provisions of

impacts on the environment and an Environmental Impact Statement

This assessment has shown that the project will have no significant

7. DETERMINATION

alternative is not cost effective.

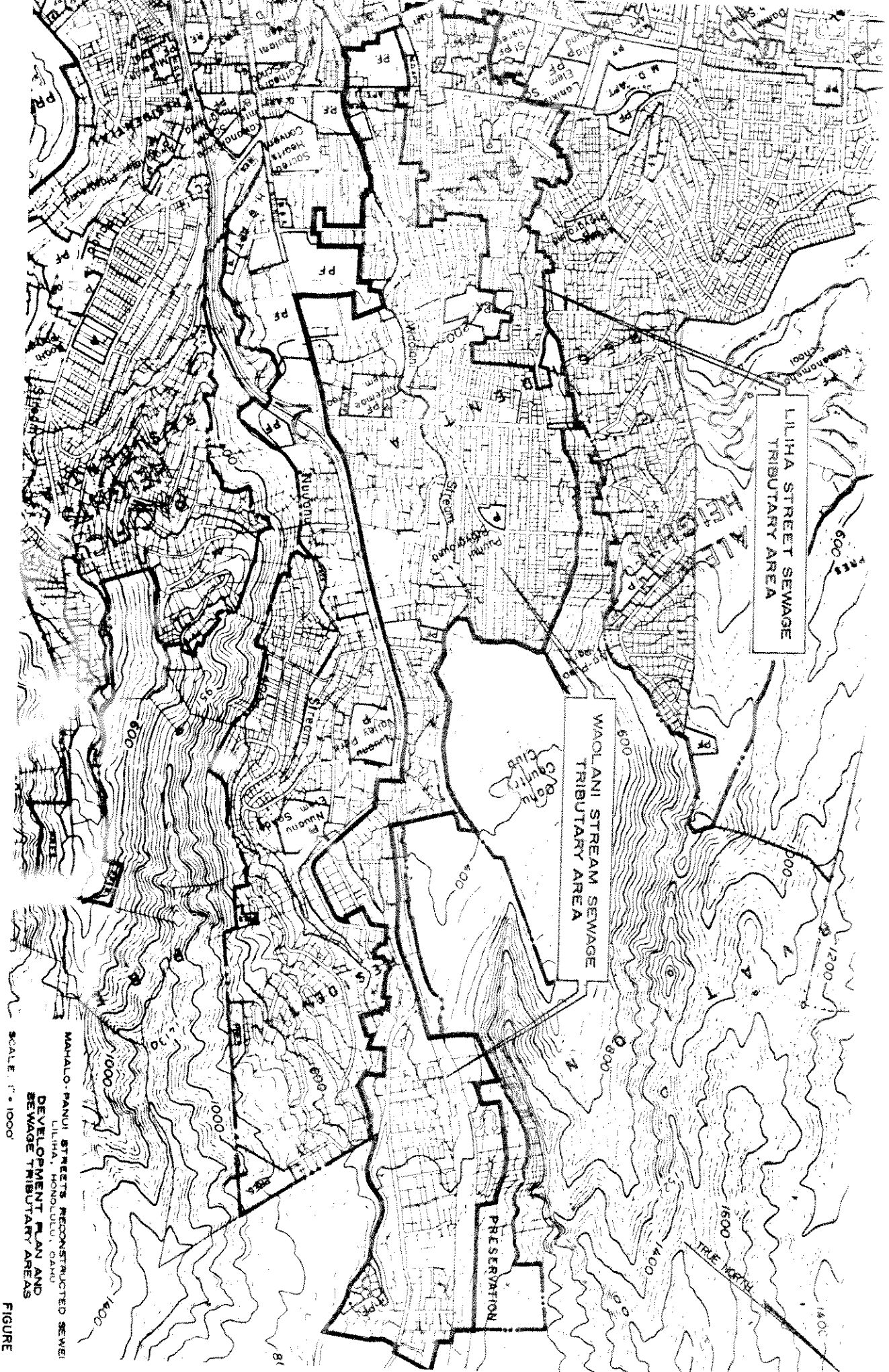
The estimated cost for Alternate No. 2 is \$540,000. This

adds about 1570 ± lineal feet of new pipe length to the project.

of-way. Parking is permitted on both sides. This alternative

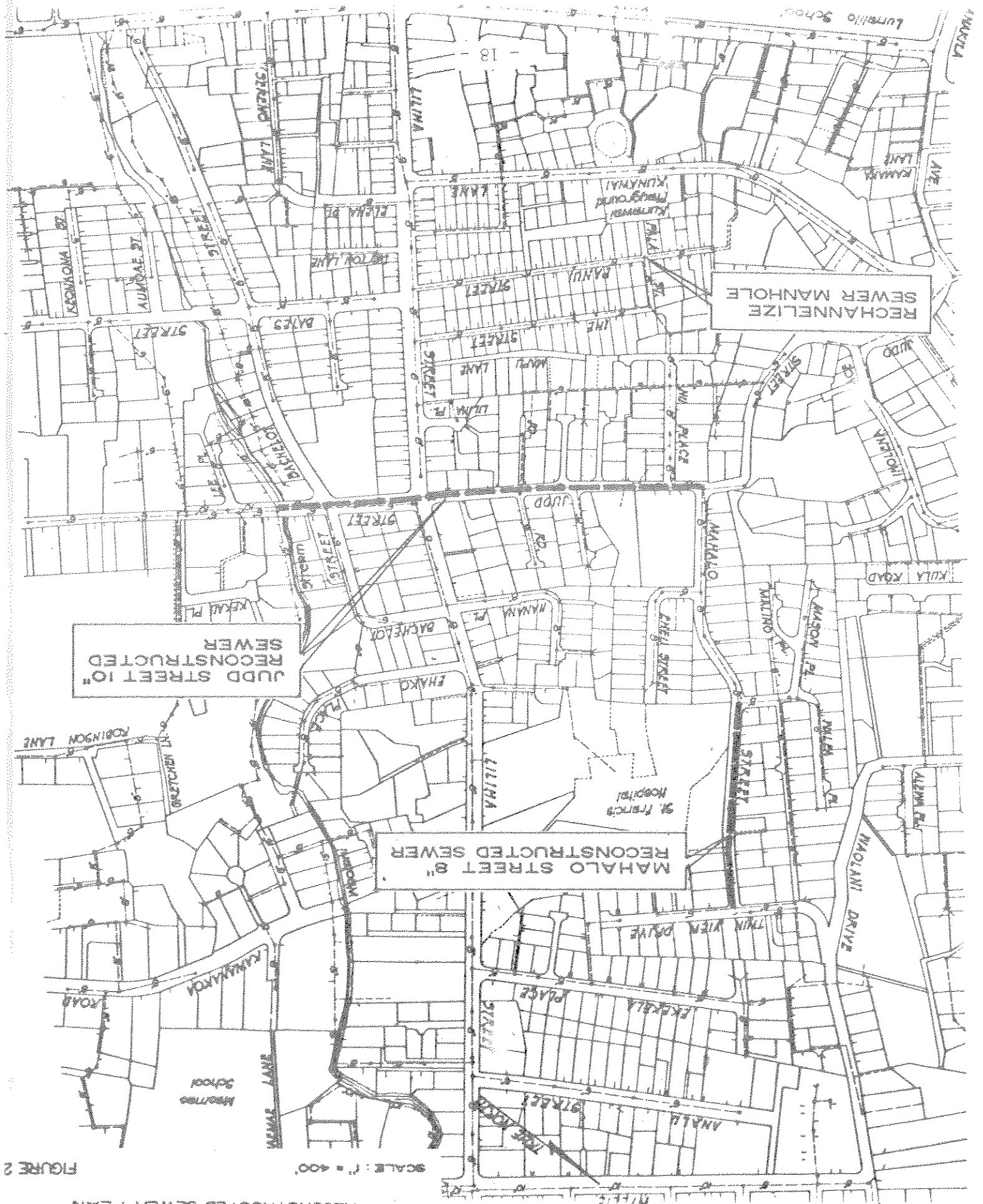
Kunawai Lane is a narrow two-way street with a 40-foot wide right-

- B. The impacts associated with construction activities are short-term and temporary only. All short-term impacts will be minimized in accordance with applicable City and County of Honolulu, State of Hawaii and Federal rules and regulations.
- C. The long-term adverse impact of commitment of space taken by the underground pipeline will be negligible.
- D. No rare or endangered wildlife exist in the affected area.
- E. No archaeological, historical or cultural sites will be affected by the project.
- F. The primary benefit of this proposed project is to upgrade the existing system thereby providing a reliable sewer system for the west Nuuanu service area with sufficient capacity to convey peak flows and eliminate sewage back-ups.



MAHALO-PANUI STREETS RECONSTRUCTED SEWER
 LILIIHA, HONOLULU, ISLAND
 DEVELOPMENT PLAN AND
 SEWAGE TRIBUTARY AREAS
 SCALE 1" = 1000'

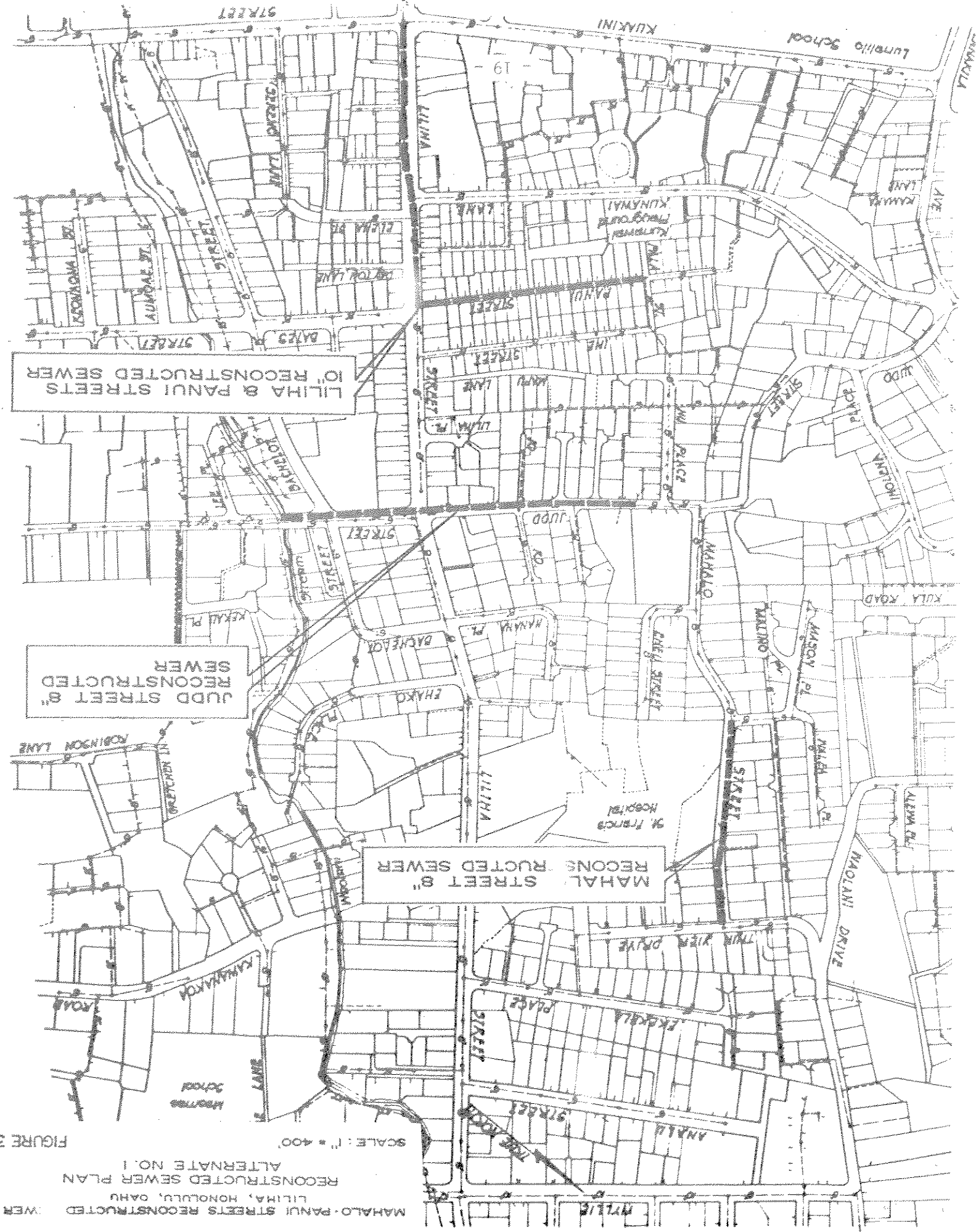
FIGURE



MAHALO-PANU STREETS RECONSTRUCTED SEWER
 LILIIHA, HONOLULU, OAHU

FIGURE 2

SCALE: 1" = 400'



MAHALO-PANUI STREETS RECONSTRUCTED SEWER
 LILIHAI, HONOLULU, OAHU
 RECONSTRUCTED SEWER PLAN
 ALTERNATE NO. 1
 SCALE: 1" = 400'
 FIGURE 3

COMMENTS AND REVISIONS RECEIVED IN THE ASSESSMENT PROCESS

APPENDIX

RECEIVED

JAN 12 AM 10 04

GOVERNOR OF HAWAII
GEORGE R. ARIYOSHI

DIV. OF
WASTEWATER
MANAGEMENT



STATE OF HAWAII
DEPARTMENT OF HEALTH

P. O. BOX 3378
HONOLULU, HAWAII 96801

January 9, 1984

In reply, please refer to:
EPHSDSS

84-00173

CHARLES G. CLARK
DIRECTOR OF HEALTH

Dr. Michael J. Chun
Director and Chief Engineer
Department of Public Works
City & County of Honolulu
650 S. King St.
Honolulu, Hawaii 96813

Dear Dr. Chun:

Subject: Request for Comments on Environmental Assessment for Mahalo-Panui
Streets Reconstructed Sewer

Thank you for allowing us to review and comment on the subject
environmental assessment. Please be informed that we do not have any
objections to this project, however, we have the following concerns:

1. Construction activities for the proposed project must comply
with the provisions of Title 11, Administrative Rules Chapter
43, Community Noise Control for Oahu.
2. Noise from the baseyard and stockpiles of excavated and fill
material may severely impact adjacent properties. Plans to
mitigate the noise disturbances must be developed and implemented.

We realize that the statements are general in nature due to preliminary plans being the sole source of discussion. We, therefore, reserve the right to impose future environmental restrictions on the project at the time final plans are submitted to this office for review.

Sincerely,

MELVIN K. KOIZUMI
Deputy Director for
Environmental Health

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DIVISION OF PUBLIC WORKS
JAN 11 1 40 PM '84

ENV-CC112
WWM
1/12/84

16

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



EILEEN R. ANDERSON
MAYOR

MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-90

March 12, 1984

Mr. Melvin K. Koizumi
Deputy Director for
Environmental Health
State Department of Health
P. O. Box 3378
Honolulu, Hawaii 96801
Dear Mr. Koizumi:

Subject: Your Comments on Our Environmental
Assessment for the Mahalo-Panui
Streets Reconstructed Sewer

Thank you for your review and comments on the subject assessment.
We offer the following in reply to your concerns:

Concern No. 1: Construction activities for the proposed
project must comply with the provisions of Title 11,
Administrative Rules, Chapter 43, Community Noise
Control for Oahu.

Reply No. 1: Yes, we will comply with Chapter 43.

Concern No. 2: Noise from the baseyard and stockpiles
of excavated and fill material may severely impact
adjacent properties. Plans to mitigate the noise
disturbances must be developed and implemented.

Reply No. 2: The stockpiles and baseyard will be
located so that it will not interfere with public
access. We will follow your Administrative Rules,
Title 11, Chapter 42 - Vehicular Noise Control for
Oahu and Chapter 43 stated above, to control noise.

The plans and specifications will be submitted to your department
for approval. At that time, we can work closely together to
mitigate any further concerns.

Presently, we will be filling a Negative Declaration for the
project.

Mr. Melvin K. Koizumi

-2-

March 12, 1984

If you should have any questions, please contact Mr. Dennis Kaneshiro at 527-5398.

Me ke aloha pumehana,

Michael J. Chun
for MICHAEL J. CHUN

Director and Chief Engineer

RECEIVED
DEPT. OF LAND & NATURAL RESOURCES

DEC 29 2 56 PM '83

SUSUMU ONO
Chairperson

Sincerely,

Thank you for the opportunity to review the environmental assessment for rebuilding a portion of the Liliha sewers.
We find the assessment adequately accounts for the environmental impacts of the job, and that the proposed mitigation measures are both well considered and reasonable.

Dear Dr. Chun:

Honorable Michael J. Chun
Director and Chief Engineer
Department of Public Works
650 South King Street
Honolulu, Hawaii 96813

ENV
Wain
Wain
Wain

Your: WEI 83-143

83-07412

DEC 29 1983

P. O. BOX 621
HONOLULU, HAWAII 96809

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES



BOARD OF LAND & NATURAL RESOURCES
EDGAR A. HANASU
DEPUTY TO THE CHAIRMAN
DIVISIONS:
AQUACULTURE DEVELOPMENT
PROGRAM
AQUATIC RESOURCES
CONSERVATION AND
RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

WASTE
MANAGEMENT

83 JAN -3 AM '83

REC'D

ROBERT B. JONES
Acting Director

If there are any questions, please contact John Nakagawa of our staff at 523-4648.

Comment: Will sewer service in the project area be disrupted during construction? If so, what mitigative measures are proposed?

2. Reference: Pages 8-5, Short-Term Impacts.

1. The project sites are not within the Special Management Area (SMA) or other DLU administered special districts.

We have reviewed the subject environmental impact assessment and have the following comments:

FROM : ROBERT B. JONES, ACTING DIRECTOR

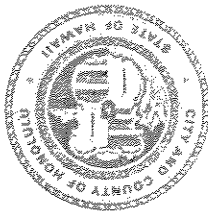
SUBJECT : ENVIRONMENTAL IMPACT ASSESSMENT FOR THE MAHALO-PANUI STREETS RECONSTRUCTED SEWER TAX MAP KEYS: 1-7-13 & 38 AND 1-8-18 & 19

TO : DR. MICHAEL J. CHUN, DIRECTOR & CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

MEMORANDUM

LUL12/83-7351(JDN)

December 29, 1983



MICHAEL M. McELROY
DIRECTOR

ROBERT B. JONES
DEPUTY DIRECTOR

EILEEN R. ANDERSON
MAYOR

WATER
MANAGEMENT

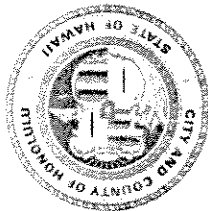
83-67389

DEPARTMENT OF LAND UTILIZATION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813 & (808) 523-4432

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



EILEEN R. ANDERSON
MAYOR

MICHAEL J. CHUN, P.E.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-84

March 12, 1984

MEMORANDUM

TO: MR. MICHAEL M. McELROY, DIRECTOR
DEPARTMENT OF LAND UTILIZATION

FROM: MICHAEL J. CHUN
DIRECTOR AND CHIEF ENGINEER

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT FOR THE
MAHALO-PANUI STREETS RECONSTRUCTED SEWER

Thank you for your department's review and comments on the
subject assessment. We offer the following in reply to the
comments:

1. We appreciate the information indicating that the project
sites are not in the SMA and other DU administered special
districts.
2. Sewer service will not be disrupted during construction.
We want to inform you that we will be filing a Negative
Declaration.

If you have any questions, please call Mr. Dennis Kaneshiro at
extension 5398.

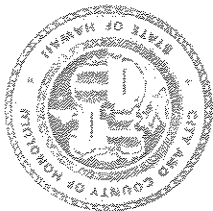
for MICHAEL J. CHUN
Director and Chief Engineer

CITY AND COUNTY OF HONOLULU

HONOLULU MUNICIPAL BUILDING

650 SOUTH KING STREET

HONOLULU, HAWAII 96813



EILEEN R. ANDERSON

MAYOR

ANDREW I. T. CHANG

MANAGING DIRECTOR

RECEIVED

'84 JAN 24 PM 3 07

CITY OF
WASTEWATER
MANAGEMENT

MEMORANDUM

TO: MICHAEL J. CHUN, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

FROM: WILLIAM A. BONNETT, DIRECTOR

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT FOR THE
MAHALO-PANUI STREETS RECONSTRUCTED SEWER

We have no comments on the subject Environmental Impact Assessment.

WILLIAM A. BONNETT

[Handwritten signature]

HON. H. M. 59 Q 17 M

RECORDED TO FILE
JAN 24 1984

TE12/83-5107

January 19, 1984

WILLIAM A. BONNETT

DIRECTOR

DALL RHEE

DEPUTY DIRECTOR

[Handwritten signature]

84-00414

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JAN 3 9 30 AM '84

KAZU HAYASHIDA
Manager and Chief Engineer

If you have any questions, please contact Lawrence Whang at 527-6138.

We appreciate the opportunity to review and comment on the environmental assessment for your proposed project. The project is not anticipated to have any adverse impacts on potable groundwater resources or our water distribution system in the area. The construction plans should be submitted to us for review and approval.

SUBJECT: YOUR MEMORANDUM OF DECEMBER 16, 1983, ON THE ENVIRONMENTAL IMPACT ASSESSMENT FOR THE MAHALO-PANUI STREETS RECONSTRUCTED SEWER

FROM: KAZU HAYASHIDA, MANAGER AND CHIEF ENGINEER BOARD OF WATER SUPPLY

TO: MICHAEL J. CHUN, DIRECTOR AND CHIEF ENGINEER DEPARTMENT OF PUBLIC WORKS

F 2 C

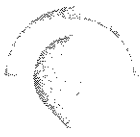
ENV
WUM
J. Chun
M. J. Chun

December 29, 1983

EILEEN R. ANDERSON, Mayor
YOSHIE H. FUJINAKA, Chairman
MILTON J. AGADER
MICHAEL J. CHUN, Vice-Chmn
WALTER A. DODS, JR.
ERNEST A. MATARI
WAYNE J. YAMASAKI
KAZU HAYASHIDA
Manager and Chief Engineer

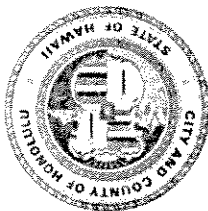
84-00010

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA
HONOLULU, HAWAII 96843
DIVISION OF WASTEWATER MANAGEMENT
JAN - 3 PM 3 10



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER

MAURICE H. KAYA
DEPUTY DIRECTOR

WFP 84-83

March 12, 1984

MEMORANDUM

TO: MR. KAZU HAYASHIDA, MANAGER AND CHIEF ENGINEER
BOARD OF WATER SUPPLY

FROM: MICHAEL J. CHUN
DIRECTOR AND CHIEF ENGINEER

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT FOR THE
MAHALO-PANUI STREETS RECONSTRUCTED SEWER

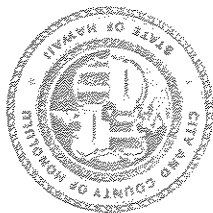
Thank you for your review of the subject assessment. As suggested, we will submit the construction plans for your review and approval. At this time, we will be filing a Negative Declaration.

If you have any questions, please call Mr. Dennis Kaneshiro at extension 5398.

Michael J. Chun
for MICHAEL J. CHUN
Director and Chief Engineer

CITY AND COUNTY OF HONOLULU

1455 S. BERETANIA STREET, ROOM 305
HONOLULU, HAWAII 96814



January 6, 1984

MELVIN M. NONAKA
FIRE CHIEF

THOMAS C. BLONDIN
FIRE DEPUTY CHIEF

ENVU vcc 1108
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84-00079

ELLEN R. ANDERSON
AVOR

DIV OF
WASTEWATER
MANAGEMENT

JAN - 9 AM 8 25

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JAN 6 2 31 PM '84

TO _____

TO: MICHAEL J. CHUN, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

FROM: MELVIN M. NONAKA, FIRE CHIEF

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT FOR THE
MAHALO-PANUI STREETS RECONSTRUCTED SEWER

Thank you for the opportunity to review and comment on the proposed subject project. We have no comments to offer at this time.

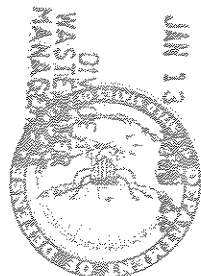
MELVIN M. NONAKA,
Fire Chief

MMN:ct/NSKM

DEPARTMENT OF THE ARMY
PACIFIC OCEAN DIVISION, CORPS OF ENGINEERS
FT. SHAFTER, HAWAII 96858

January 10, 1984

84-00213



JAN 13 1984

RECEIVED

Dr. Michael Chun, Director
Department of Public Works
City and County of Honolulu
650 S. King St.
Honolulu, Hawaii 96813

Dear Dr. Chun:

Thank you for the opportunity to review and comment on the Environmental Assessment for the Mahalo-Ranui Streets Reconstructed Sewer. The following comments are offered for your consideration:

- a. The Department of the Army permit requirements are not applicable.
- b. According to the revised flood hazard map for the Liliha area prepared as part of the Flood Insurance Study for Oahu by the Federal Insurance Administration (Enclosure I), the sites for the proposed sewer improvements are designed Zone C or areas of minimal flooding. Zone C areas are not regulatory flood plain areas under the National Flood Insurance Program.

Sincerely,

[Handwritten Signature]

Kasuk Cheung
Chief, Engineering Division

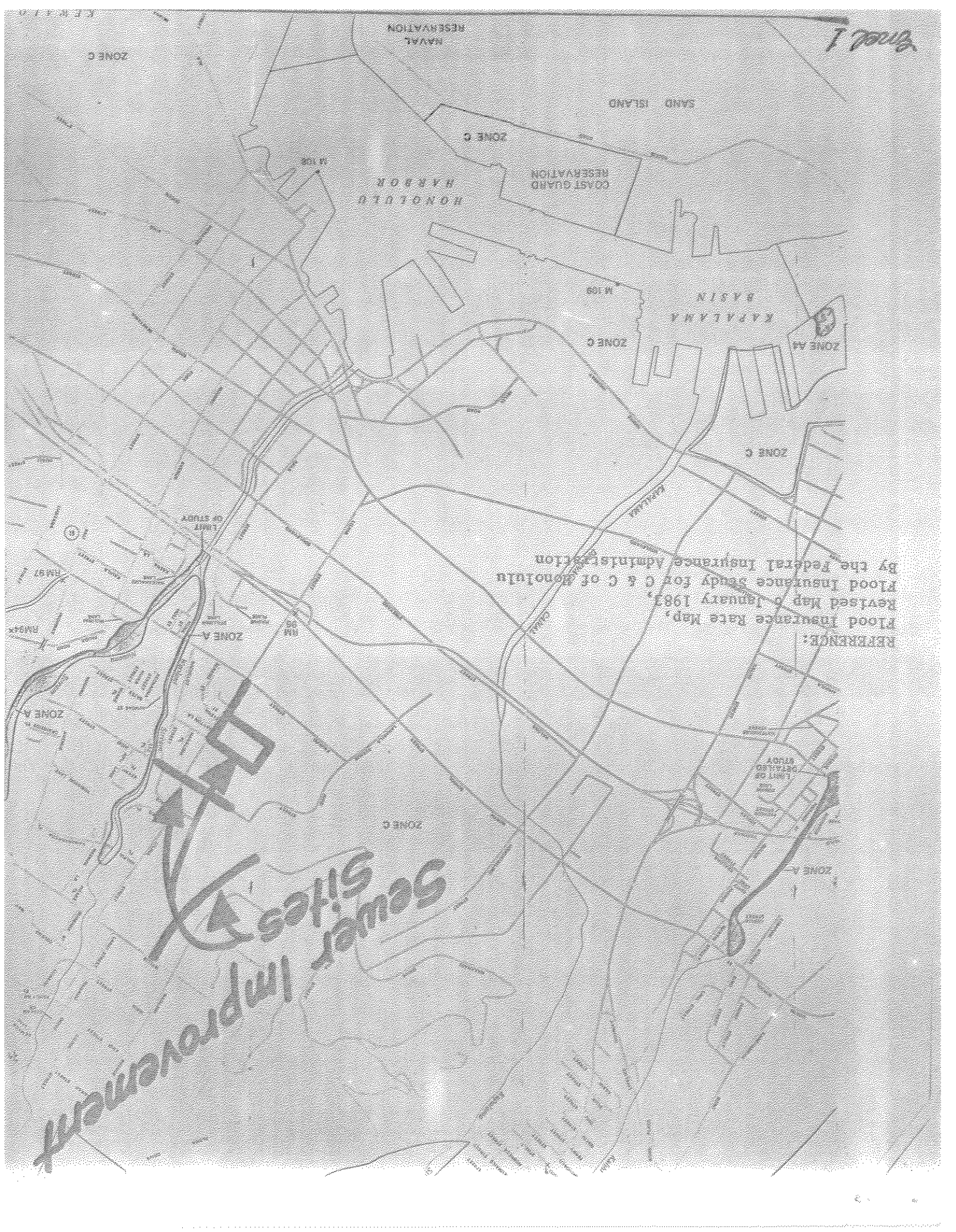
Enclosure

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TO

Sheet 1

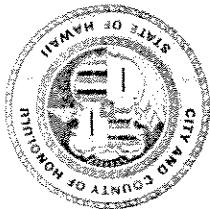


REFERENCE:
 Flood Insurance Rate Map,
 Revised Map of January 1983,
 Flood Insurance Study for C & C of Honolulu
 By the Federal Insurance Administration

Sewer Improvement
 Sites

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



EILEEN R. ANDERSON
MAYOR

MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-85

March 12, 1984

Mr. Kisuik Cheung
Chief, Engineering Division
Department of the Army
Pacific Ocean Division
Corps of Engineers
Fort Shafter, Hawaii 96858

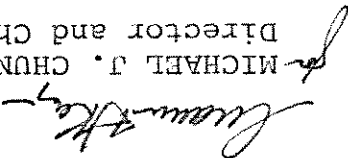
Dear Mr. Cheung:

Subject: Environmental Impact Assessment for the
Mahalo-Panui Streets Reconstructed Sewer

Thank you for your review and comments on the subject assessment. We appreciate knowing that the Army permit requirements are not applicable and that the sites are in Zone C (not a regulatory flood plain area) under the National Flood Insurance Program.

We will be filing a Negative Declaration. If you have any questions, please contact Mr. Dennis Kaneshiro at 527-5398.

Very truly yours,


MICHAEL J. CHUN
Director and Chief Engineer



RECEIVED
DEPT OF PUBLIC WORKS
--6 JU 2 56 PM '83
TO _____

cc: NMRS-WPPO
HDR&W
HDAR
EPA, San Francisco

Office of Environmental Services
Acting Project Leader
William R. Kramer

William R. Kramer

Sincerely yours,

Due to current manpower and budget restrictions, the Office of Environmental Services cannot devote the time necessary to conduct a thorough review of fish and wildlife concerns associated with the referenced action at this time. We strongly recommend that you consult directly with the State of Hawaii, Department of Land and Natural Resources, Division of Aquatic Resources and consider their recommendations in your project planning.

Dear Mr. Chun:

Re: EIA for the Mahalo-Panui Streets Reconstructed Sewer

Mr. Michael J. Chun
Director and Chief Engineer
City Department of Public Works
650 South King Street
Honolulu, Hawaii 96813

ENU
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DEC 2 8 1983

ES
Room 6307

IN REPLY REFER TO:

FISH AND WILDLIFE SERVICE

300 ALA MOANA BOULEVARD
P.O. BOX 50167
HONOLULU, HAWAII 96850

MASTER WATER
MANAGEMENT



United States Department of the Interior

83-0-7410

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DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-86

March 12, 1984

EILEEN R. ANDERSON
MAYOR

Mr. William R. Kramer
Acting Project Leader
Office of Environmental Services
Fish and Wildlife Service
U.S. Department of the Interior
P. O. Box 50167
Honolulu, Hawaii 96850

Dear Mr. Kramer:

Subject: Environmental Impact Assessment for the
Mahalo-Panui Streets Reconstructed Sewer

Thank you for your letter directing us to the Department of Land
and Natural Resources, Division of Aquatic Resources for its
recommendation. We have contacted the Division and we have
decided to file a Negative Declaration.

If you should have any questions, please contact Mr. Dennis
Kaneshiro at 527-5398.

Me ke aloha pumehana,

Michael J. Chun
Mr. MICHAEL J. CHUN
Director and Chief Engineer

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HAWAIIAN ELECTRIC COMPANY, INC.
Box 2750 / Honolulu, Hawaii / 96840

ENV 2-1
NV/G

January 11, 1984

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JAN 12 3 22 PM '84

ENV 2-1
NV/G
JAN 12 1984
[Handwritten initials]

Dr. Michael J. Chun
Director and Chief Engineer
Department of Public Works
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

RICHARD O'CONNELL, P.E.
MANAGER, ENVIRONMENTAL DEPARTMENT
LIVABLE ENVIRONMENT
WATER MANAGEMENT
548-6580

JAN 11 AM 10:00 a.m.

RECEIVED

We have reviewed the above Environmental Impact Assessment and offer the following comments:

1. For the reconstructed sewer plan, Alternate No. 1 and Alternate No. 2, a statement pertaining to the minimum conductor clearance to ground for the 46 kv along Liliha Street should be observed during the construction phase in accordance with the State of Hawaii General Order No. 6.
2. The sewer reconstruction may impact on HECO's underground facilities and services. This cannot be determined until HECO reviews the project drawings.

Thank you for the opportunity to comment on this Environmental Impact Assessment.

Sincerely,

[Handwritten signature]

Richard L. O'Connell
Manager, Environmental Department

JMP, Jr.:cal

DEPARTMENT OF PUBLIC WORKS

CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER

MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-88

March 12, 1984

EILEEN R. ANDERSON
MAYOR

Mr. Richard L. O'Connell

Manager, Environmental Department
Hawaiian Electric Company, Inc.

Box 2750
Honolulu, Hawaii 96840

Dear Mr. O'Connell:

Subject: Environmental Impact Assessment for the
Mahalo-Panui Streets Reconstructed Sewer

We appreciate your review and comment on the subject assessment.
Thank you for informing us about the 46 kv along Liliha Street.
We will follow the State of Hawaii General Order No. 6 during the
construction phase. The construction plans will be submitted
to you for review.

We will file a Negative Declaration with the Office of
Environmental Quality Control. If you have any questions, please
contact Mr. Dennis Kaneshiro at 527-5398.

Me ke aloha pumehana,

Michael J. Chun
MICHAEL J. CHUN
Director and Chief Engineer

[Handwritten signature]
G. Kaneko
Oahu Engineering &
Construction Manager

Sincerely,

If you have any questions, please call R. Kwok at 834-6218.

We reviewed the proposed project with the understanding that the existing overhead telephone and electrical pole line facilities will remain. It seems that the sewer reconstruction work will not conflict with the existing telephone facilities. However, there are two (2) underground cable sections (in conduit) within the project area which are indicated in red on the attached location drawing. These will be identified for the contractor prior to excavation work.

Thank you for the opportunity to review the Environmental Impact Assessment for the Mahalo-Panui Streets Reconstructed Sewer Project.

Environmental Impact Assessment for the
Mahalo-Panui Streets Reconstructed Sewer

Dear Mr. Chun:

Mr. Michael J. Chun
Director & Chief Engineer
Department of Public Work
City & County of Honolulu
650 S. King Street
Honolulu, Hawaii 96813

January 3, 1984

WASTE WATER
MANAGEMENT



HAWAIIAN TELEPHONE

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DEPT OF PUBLIC WORKS

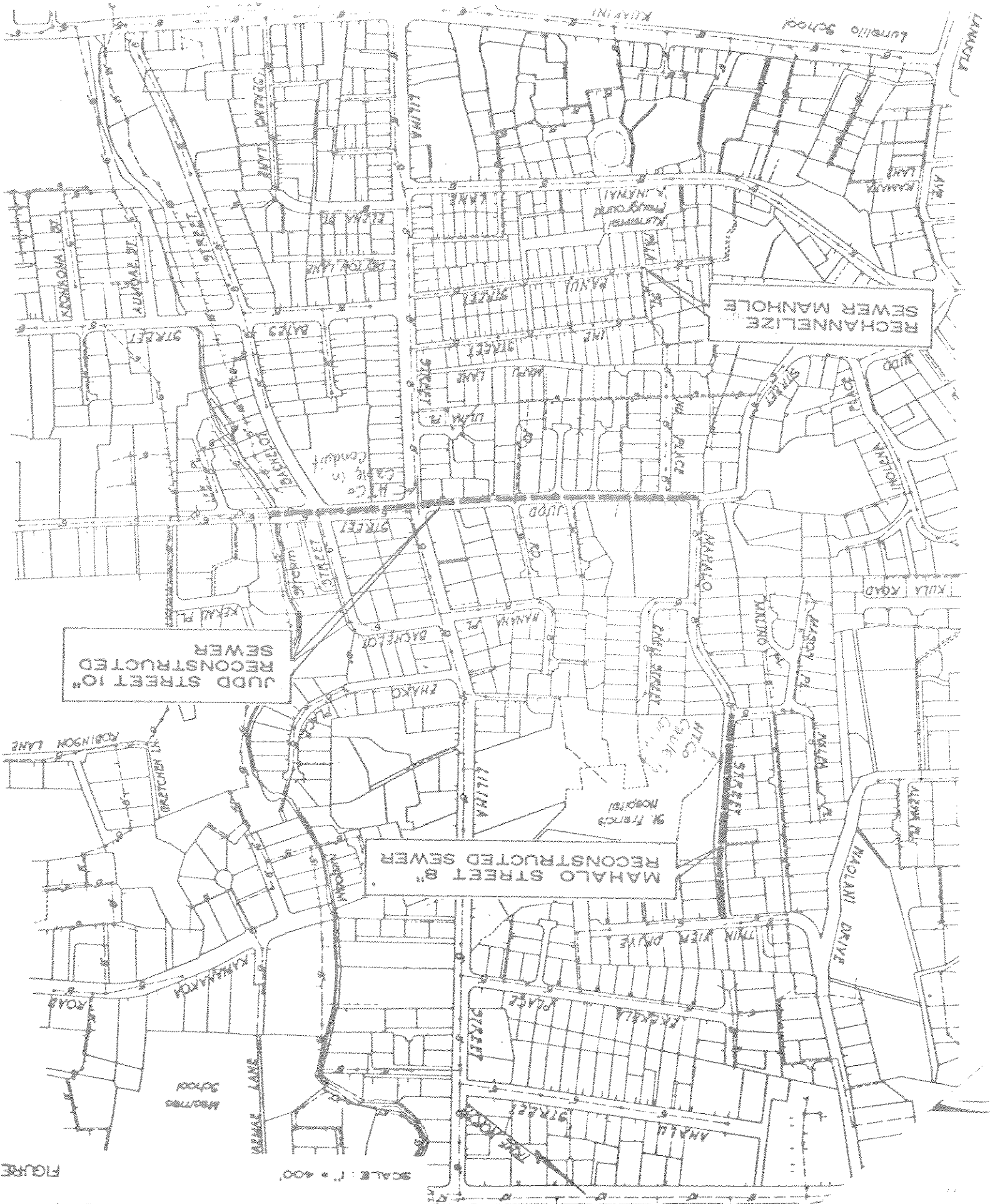
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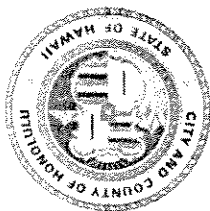
RECONSTRUCTED SEWER PLAN
 SCALE: 1" = 400'

FIGURE

DEPARTMENT OF PUBLIC WORKS

CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



EILEEN B. ANDERSON
MAYOR

March 12, 1984

Mr. Gary Kaneko
Oahu Engineering &
Construction Manager
Hawaiian Telephone Company
P. O. Box 2200
Honolulu, Hawaii 96841

Dear Mr. Kaneko:

Subject: Environmental Impact Assessment for the
Mahalo-Panui Streets Reconstructed Sewer

We appreciate your review and comment for the subject assessment.
Thank you for locating the underground cable sections (in
conduit) within the project area.

A Negative Declaration will be filed with the Office of
Environmental Quality Control. If you have any questions, please
contact Mr. Dennis Kaneshiro at 527-5398.

Me ke aloha pumehana,

MICHAEL J. CHUN
Director and Chief Engineer

MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-87

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JAN 16 PM 2 15

DIV. OF WASTEWATER MANAGEMENT

RECEIVED DEPT OF PUBLIC WORKS

JAN 16 9 36 AM '84

TO _____

cc: Sister Maureen Keleher
Chief Executive Officer

RL:cg

Ronald Lee
Assistant Administrator

Sincerely,

assist you.

Should you desire further information, we will be happy to

Street does not have a storm drain.

6) That street curbs be replaced at appropriate heights to minimize run-off water into our property since Mahalo

5) That large service vehicles be given priority access to our property; and,

4) That we be advised of any planned utility interruption, if any, prior to implementation as life support systems may depend on the utility services;

3) That extreme caution be taken to minimize any interruption of utilities which service the hospital;

2) That the construction noise level be kept at a minimum inasmuch as this is a hospital zone;

1) That we be given a minimum of one-week notice prior to the start of construction so we may advise patients, physicians, visitors and employees of any inconveniences on Mahalo Street;

We reviewed the above project and find no objections. However, we request that your department address our following concerns:

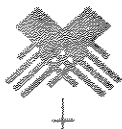
Subject: Environmental Impact Assessment - Mahalo/
Pauoi Streets Reconstructed Sewer

Dear Mr. Chun:

Mr. Michael J. Chun
Director & Chief Engineer
Department of Public Works
City & County of Honolulu
650 South Beretania Street
Honolulu, Hawaii 96813

ENVU
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For

SAINT FRANCIS HOSPITAL SERVING HAWAII SINCE 1927

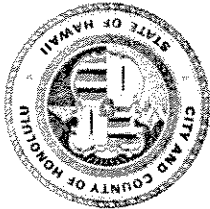


January 12, 1984

84-00349

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



EILEEN R. ANDERSON
MAYOR

MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WFP 84-89

March 12, 1984

Mr. Ronald Lee
Assistant Administrator
Saint Francis Hospital
2230 Liliha Street
Honolulu, Hawaii 96817

Dear Mr. Lee:

Subject: Environmental Impact Assessment for the
Mahalo-Panui Streets Reconstructed Sewer

Thank you for your review and comment on the subject assessment.
We offer the following to answer your concerns:

1. A notice will be sent to you one week before construction begins.
 2. The Department of Health Rules for Vehicular and Community Noise Control for Oahu will be complied with to control excessive noise.
 3. Utility interruptions are not expected.
 4. You will be notified of any utility interruptions if any are planned in the future.
 5. Access to the Hospital will be open at all times.
 6. Street curbs will be replaced, equal to its original condition.
- We will file a Negative Declaration with the Office of Environmental Quality Control.

If you should have any questions, please contact Mr. Dennis Kaneshiro at 527-5398.

Me ke aloha pumehana,

Director and Chief Engineer

MICHAEL J. CHUN

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DEPT OF PLANNING

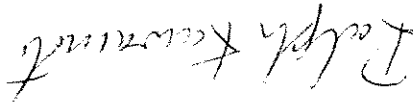
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WILLARD T. CHOW



APPROVED:

RALPH KAWAMOTO
Planner



We have reviewed the subject impact assessment and feel that a finding of a negative declaration would be appropriate if undesirable construction related activities can be controlled or mitigated.

TO: Dr. Michael J. Chun, Director and Chief Engineer
Department of Public Works
VIA: Mr. Andrew I. T. Chang, Managing Director
SUBJECT: Environmental Impact Assessment for the Mahalo-Panui Streets Reconstructed Sewer

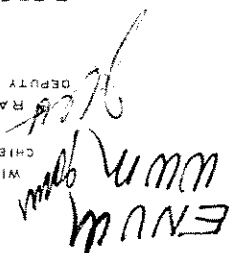
MEMORANDUM

January 19, 1984

DGP12/83-9840



WILLARD T. CHOW
CHIEF PLANNING OFFICER
RALPH PORTMORE
DEPUTY CHIEF PLANNING OFFICER



84-00375

650 SOUTH KING STREET
HONOLULU, HAWAII 96813

CITY AND COUNTY OF HONOLULU

DEPARTMENT OF GENERAL PLANNING

DIV. OF
WASTEWATER
MANAGEMENT

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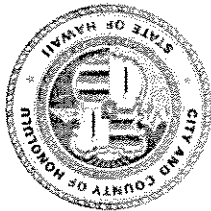
EILEEN R. ANDERSON
MAYOR

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DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



EILEEN R. ANDERSON
MAYOR

MICHAEL J. CHUN, PH.D.
DIRECTOR AND CHIEF ENGINEER
MAURICE H. KAYA
DEPUTY DIRECTOR

WPP 84-93

March 14, 1984

MEMORANDUM

TO: DR. WILLARD T. CHOW, CHIEF PLANNING OFFICER
DEPARTMENT OF GENERAL PLANNING

VIA: ANDREW I.T. CHANG, MANAGING DIRECTOR

FROM: MICHAEL J. CHUN, DIRECTOR AND CHIEF ENGINEER

SUBJECT: ENVIRONMENTAL IMPACT ASSESSMENT FOR THE
MAHALO-PANUI STREETS RECONSTRUCTED SEWERS

Thank you for your review and comment on the subject assessment. We will follow all appropriate State and County rules to control undesirable short term construction impacts such as noise, dust and traffic problems. A Negative Declaration will be filed for this project.

If you should have any questions, please contact Mr. Dennis Kaneshiro at extension 5398.

A handwritten signature in cursive script, appearing to read "Michael J. Chun".

MICHAEL J. CHUN
Director and Chief Engineer