

1991-09-23-0A-FEA

**FILE COPY**

DEPARTMENT OF PUBLIC WORKS  
CITY AND COUNTY OF HONOLULU

FINAL  
ENVIRONMENTAL ASSESSMENT  
FOR  
HALENANI PLACE DRAINAGE IMPROVEMENT  
KANEOTE, KOOLAUPOKO, OAHU, HAWAII  
TAX MAP KEY: 4-5-54

This environmental document was prepared  
pursuant to Chapter 343 HRS

Proposing Agency: Department of Public Works  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Responsible Official:

C. Michael Street 9/16/91  
SAM CALLEJO MF Date  
Director and Chief Engineer

Prepared by:

Gray, Hong, Bills & Associates, Inc.  
Consulting Engineers  
119 Merchant Street, Suite 607  
Honolulu, Hawaii 96813

TABLE OF CONTENTS

	<u>Page No.</u>
I. GENERAL DESCRIPTION OF THE PROPOSED ACTION	1
A. Technical	1
B. Socio-Economic	1
C. Environmental Characteristics	2
II. SUMMARY DESCRIPTION OF THE ENVIRONMENT	2
A. Location	2
B. Population	3
C. Climate	3
D. Land Use	3
E. Historic or Cultural Sites	3
F. Wildlife and Flora	4
G. Soils	4
H. Drainage	4
III. SUMMARY OF THE MAJOR IMPACTS	5
IV. ALTERNATIVES CONSIDERED	5
V. MITIGATION MEASURES PROPOSED	6
VI. AGENCIES CONSULTED	6
VII. DETERMINATION	7
VIII. FINDINGS AND REASONS SUPPORTING THE DETERMINATION	7
IX. LIST OF REFERENCES	8

LIST OF FIGURES

- Figure 1. Location Map
- Figure 2. Existing Utilities
- Figure 3. Proposed Drainage Improvements
- Figure 4. Development Plan Map
- Figure 5. State Land Use Map
- Figure 6. Zoning Map
- Figure 7. Flood Insurance Rate Map

APPENDIX

APPENDIX A - RESPONSES AND REPLIES FROM AGENCIES CONSULTED DURING  
THE ASSESSMENT PROCESS

## I. GENERAL DESCRIPTION OF THE PROPOSED ACTION

### A. Technical

Halenani Place is a City and County of Honolulu road located between Koolau View Tract and Halekou Road in Kaneohe (see Figure 1 - Location Map). There are presently no drainage facilities within the roadway, resulting in ponding at the end of the road during periods of light rain and flooding of several properties during heavy rainfall.

The drainage system serving the adjacent Koolau View Tract consists of reinforced concrete pipe drain lines within Koolau View Drive connecting a series of grated inlets and manholes. The drain line connects to the storm drain system within Kamehameha Highway, which is owned and maintained by the State Department of Transportation, Highways Division (see Figure 2 - Existing Utilities).

The proposed project will involve construction of drain inlets within Halenani Place with approximately 150 to 190 feet of 18" drain line connecting the structures to the City's 18" drain line within Koolau View Drive. Two routes for the drain line will be considered and evaluated prior to preparation of construction documents. One route will involve construction of approximately 150 feet of drain line along the City's existing 10" sewer force main through parcel 19, TMK: 4-5-54. The alternate route will consist of approximately 190 feet of drain line through parcels 63 and 21, TMK: 4-5-54 (see Figure 3 - Proposed Drainage Improvements).

Construction will involve trench excavation, laying of 18" reinforced concrete pipe, construction of drain inlets and manholes, connection to the City's existing 18" drain line, backfilling and compaction, and restoration of roadway pavement and private property. The project will also include dedication of easements to the City and County through the affected parcels.

### B. Socio-Economic

The improvements to the drainage of Halenani Place will offer both social and economic benefits to the homeowners by providing a sense of security during periods of heavy rainfall and eliminate "nuisance" ponding during periods of low rainfall. The two houses at the end of the road have been most affected by the current drainage problems. Implementation of the project will eliminate the need for the "make-shift" drainage systems which were installed by property owners to provide themselves with peace-of-mind during heavy rains. Estimates of damages incurred on their property due to past flooding is not available.

The project is estimated to cost between \$100,000 to \$200,000 and will be funded by the City and County of Honolulu. Construction will last approximately two months and is scheduled to start in the beginning of calendar year 1992.

C. Environmental Characteristics

The project site is along Halenani Place within a single-family residential area adjacent to Koolau View Tract in Kaneohe, Koolaupoko, Oahu. The project will involve construction of drain lines within Halenani Place and through privately-owned lots.

Since all drain lines will be underground, aesthetics of the area will not be affected. Impacts to the environment will therefore be limited to temporary disturbances during construction. Noise and dust generation during construction will be regulated by State Department of Health regulations and City and County Ordinances. Roadways and private yards will be restored to their existing condition after completion of the drain line installation.

II. SUMMARY DESCRIPTION OF THE ENVIRONMENT

A. Location

The project affects areas at the end of Halenani Place and properties belonging to the Koolau View Tract in Kaneohe, Koolaupoko, Oahu (see Figure 1 - Location Map). Halenani Place is approximately 350 feet mauka of Kamehameha Highway. Hawaiian Memorial Park Cemetery is across the street to the east. Pali Golf Course is to the south and Hoomaluhia Botanic Garden is to the west. Halekou Road runs perpendicular to Halenani Place and parallel to Koolau View Road and connects Halenani Place to Kamehameha Highway to the north.

Halenani Place is a 240-foot long City and County of Honolulu road. The existing right-of-way is 30 feet wide, with approximately 18 feet of asphaltic concrete (AC) pavement roadway and unpaved shoulders. Utilities within the roadway consist of an 8" gravity sewer, 10" sewer force main, 6" water line and overhead electrical lines. There are presently no drainage facilities (see Figure 2 - Existing Utilities).

Kaneohe is a major population center in Windward Oahu, approximately 10 miles north of downtown Honolulu. The Koolau Range lies to the west, the Kaneohe (Halekou) volcanic cone to the south, and Kaneohe Bay to the north and east. Much of the developed area is on a flat coastal

plain which extends inland from Kaneohe Bay for approximately 1.7 miles, where it then gently rises up to the foot of the Koolau Range. (FEMA, 1989) Kaneohe is primarily a residential community with commercial and service establishments for residents. No significant agricultural activities exist within the area.

Main streams within Kaneohe include Keaahala, Kaneohe, Kamooalii, Kawa and Tributary to Kawa Stream. Kamooalii Stream meanders through the Hoomaluhia Botanic Garden, mauka of the project site. (FEMA, 1989)

B. Population

The resident population within Kaneohe was estimated to be 41,924 as of July 1, 1988, an increase of 17.9% from the 1980 census population of 35,553. The project area is within Census Tract 106.02, extending from Kaneohe Bay Drive to Kamooalii Stream, with a population of 5,502 as of July 1, 1988. (State of Hawaii, 1990)

C. Climate

Average rainfall is approximately 50 inches near Kaneohe Bay to 75 inches near the Koolau mountains. Temperatures range from an average (mean) minimum of 69 degrees Fahrenheit to an average (mean) maximum of 85 degrees Fahrenheit. The prevailing wind is the northeasterly trade wind. (University of Hawaii, 1983)

D. Land Use

Based on the City and County of Honolulu Development Plan Map, the project is within a residential area and is surrounded by areas designated for residential, public facilities, preservation, and park use (see Figure 4 - Development Plan Map). Public facilities include Pali Golf Course, Hawaii Loa College, and Hawaiian Memorial Park. Park areas include Hoomaluhia Park. Preservation areas are mauka of Hoomaluhia Park and the Pali Golf Course.

The project site is classified as within the State's urban district (see Figure 5 - State Land Use Map). Hoomaluhia Park is located within the conservation district.

Zoning within the area is R-5, Residential. Surrounding areas are within P-1 and P-2, Preservation (see Figure 6 - Zoning Map).

E. Historic or Cultural Sites

Halenani Place and the surrounding residential areas have been altered by grading done as part of the subdivision

construction. The existence of historic or cultural sites is therefore unlikely. The construction contractor will be required to contact the State Historic Sites Section should any artifacts be unearthed during trench excavations.

F. Wildlife and Flora

Due to the urbanization of the area, wildlife and indigenous flora are non-existent. Flora within the area consists of introduced species.

G. Soils

Soils within the project area belong to the Lolekaa-Waikane association. These soils are characterized in the Soil Conservation Service's "Soil Survey, Islands of Kauai, Oahu, Maui, Molokai and Lanai, State of Hawaii" as "deep, nearly level to very steep, well-drained soils that have a dominantly fine-textured subsoil; on fans, terraces, and uplands". (USDA, 1972)

The soil within the project area is further classified as belonging to the Kaneohe Series -- Kaneohe silty clay loam, 5 to 15 percent slopes (KHMC). This soil has a 14" surface layer of dark reddish brown silty clay loam underlain by 40 to 50 inches of dark red silty clay loam with a subangular, blocky structure. The substratum consists of soft weathered gravel. Volcanic ash and cinders are generally found in the subsoil below a depth of 20 inches. The soil is extremely acid to very strongly acid. (USDA, 1972)

Soil of this type is often used for pasture and homesites. The soil also has characteristics which make it good for use as road fill -- moderate shrink-swell potential, moderate corrosiveness on concrete, and can be sloped as much as 65 percent. (USDA, 1972)

H. Drainage

Storm runoff from the subdivisions mauka of Halenani Place sheet flows towards Halenani Place and ponds at the end of the road. The adjacent Koolau View Tract has drainage improvements consisting of 18 and 24-inch drain lines, grated inlets, and drain manholes. The City's drainage system discharges into the State's 24" drain line at the intersection of Koolau View Drive and Kamehameha Highway.

On the Flood Insurance Rate Map dated September 4, 1987, the Federal Emergency Management Agency (FEMA) designated the project area as within Zone D, an area in which flood hazards are undetermined (see Figure 7 - Flood Insurance Rate Map).

### III. SUMMARY OF THE MAJOR IMPACTS

The proposed project will involve crossing private lots within the Halenani Place subdivision and Koolau View Tract. Both alternatives will involve construction of grated drain inlets at the end of Halenani Place with a connecting 18" drain line. Drainage from the inlets will be routed through private properties, within new easements to be dedicated to the City, for connection to the City's line within Koolau View Tract.

Alternative A involves construction of approximately 50 feet of 18" drain line and a drain manhole within parcel 63 (TMK: 4-5-54). The 18" drain line will continue within parcel 21, along its common boundary with parcel 20. An additional drain manhole will be constructed within Koolau View Drive to connect to the City's existing 18" drain line.

Alternative B involves construction of an 18" drain line from the proposed grated inlets to Koolau View Drive by going through parcel 19 (TMK: 4-5-54). The City and County currently has a 6'-wide easement with a 10" sewer force main through this privately-owned lot. This alternative would require approval from the Division of Wastewater Management for sharing a portion of this sewer easement for drainage purposes.

The construction will temporarily inconvenience residents along Koolau View Drive and Halenani Place with equipment noise, dust, and interference with vehicular and pedestrian traffic. Lots along the drain line alignment will be inconvenienced by the disturbance of their yards and the presence of construction activity within their property.

### IV. ALTERNATIVES CONSIDERED

There were two alternatives that were considered for the proposed action: 1) No action; 2) The proposed action (consisting of Alternatives A or B).

Under the "no action" alternative, flooding would continue to occur at the end of Halenani Place. Parcels 63 and 58 (TMK: 4-5-54) would continue to have standing water on their property and on the road fronting their property during periods of heavy rain.

The "no action" alternative is not acceptable since the City and County of Honolulu is responsible for the maintenance of the road and for infrastructure. Condemnation and relocation of the affected residences were not considered and, therefore, this alternative is not recommended.

The proposed action would provide Halenani Place with the necessary infrastructure to collect and divert storm runoff from the road and adjacent property. The City has already unsuccessfully attempted to mitigate flooding problems in the past by constructing a small A.C. berm across Halenani Place at Halekou Road to cutoff flow generated along Halekou. Further diversion of flow is not possible and, therefore, collection of the runoff is the only alternative.

V. MITIGATION MEASURES PROPOSED

The contractor shall provide adequate grading, stockpiling and erosion control measures as required by Chapter 23 of the Revised Ordinances of Honolulu, 1978, as amended. The contractor will be required to equip all construction equipment and on-site vehicles with proper mufflers and comply with any conditional use requirements specified by the community noise permit. Traffic noise from heavy vehicles travelling to and from the site through the subdivision shall be minimized in accordance with Chapter 11-42, Vehicle Noise Control for Oahu.

Both Koolau View Drive and Halenani Place are two-lane roads. The contractor will be required to minimize disruption of vehicular and pedestrian traffic within the area. Access to residents' garages will be provided during non-working hours. Traffic safety signs and barriers will be erected by the contractor in accordance with requirements of the City Department of Transportation Services.

Due to the close proximity of the proposed work to residential homes, the contractor shall be required to minimize disturbance to surrounding areas and will be required to restore all areas back to their original condition or better after completion of the drainage work. In planting areas, this shall be limited to providing an area suitable for replanting, including importation of topsoil as required.

VI. AGENCIES CONSULTED

A. Federal Agencies

1. U.S. Army Engineer, Honolulu District
2. U.S. Department of the Interior, Fish & Wildlife Service

B. State Agencies

1. Department of Health
2. Department of Land and Natural Resources



C. City Agencies

1. Department of General Planning
2. Department of Land Utilization
3. Department of Transportation Services
4. Kaneohe Neighborhood Board No. 30

Responses from agencies are attached in Appendix A.

VII. DETERMINATION

After completing an assessment of the potential environmental effects of the proposed project and consulting formally with other governmental agencies, it has been determined that an Environmental Impact Statement is not required. Therefore, this document constitutes a notice of Negative Declaration.

VIII. FINDINGS AND REASONS SUPPORTING THE DETERMINATION

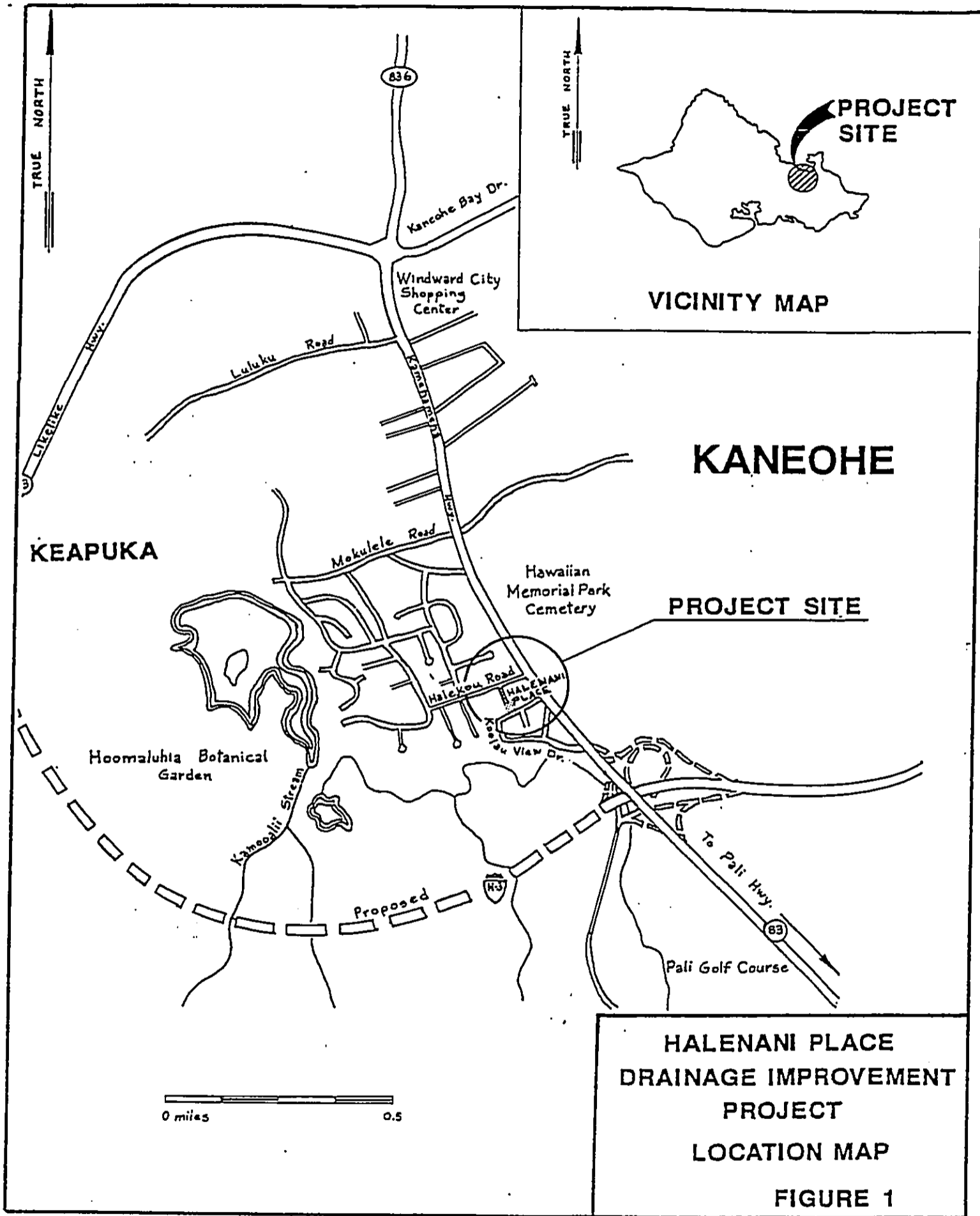
Findings and reasons supporting the Negative Declaration determination are as follows, using the criteria, policies, guidelines and provisions of Title 11, Chapter 200, Environmental Impact Statement Rules and Chapter 343, HRS. The proposed project will not:

- A. Involve an irrevocable commitment to loss or destruction of any natural or cultural resource;
- B. Curtail the range of beneficial uses of the environment;
- C. Conflict with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, Hawaii Revised Statutes, and any revisions thereof and amendments thereto, court decisions or executive orders;
- D. Substantially affect the economic or social welfare of the community or State;
- E. Substantially affect public health;
- F. Involve substantial secondary impacts, such as population changes or effects on public facilities;
- G. Involve a substantial degradation of environmental quality;
- H. Substantially affect a rare, threatened or endangered species, or its habitat;

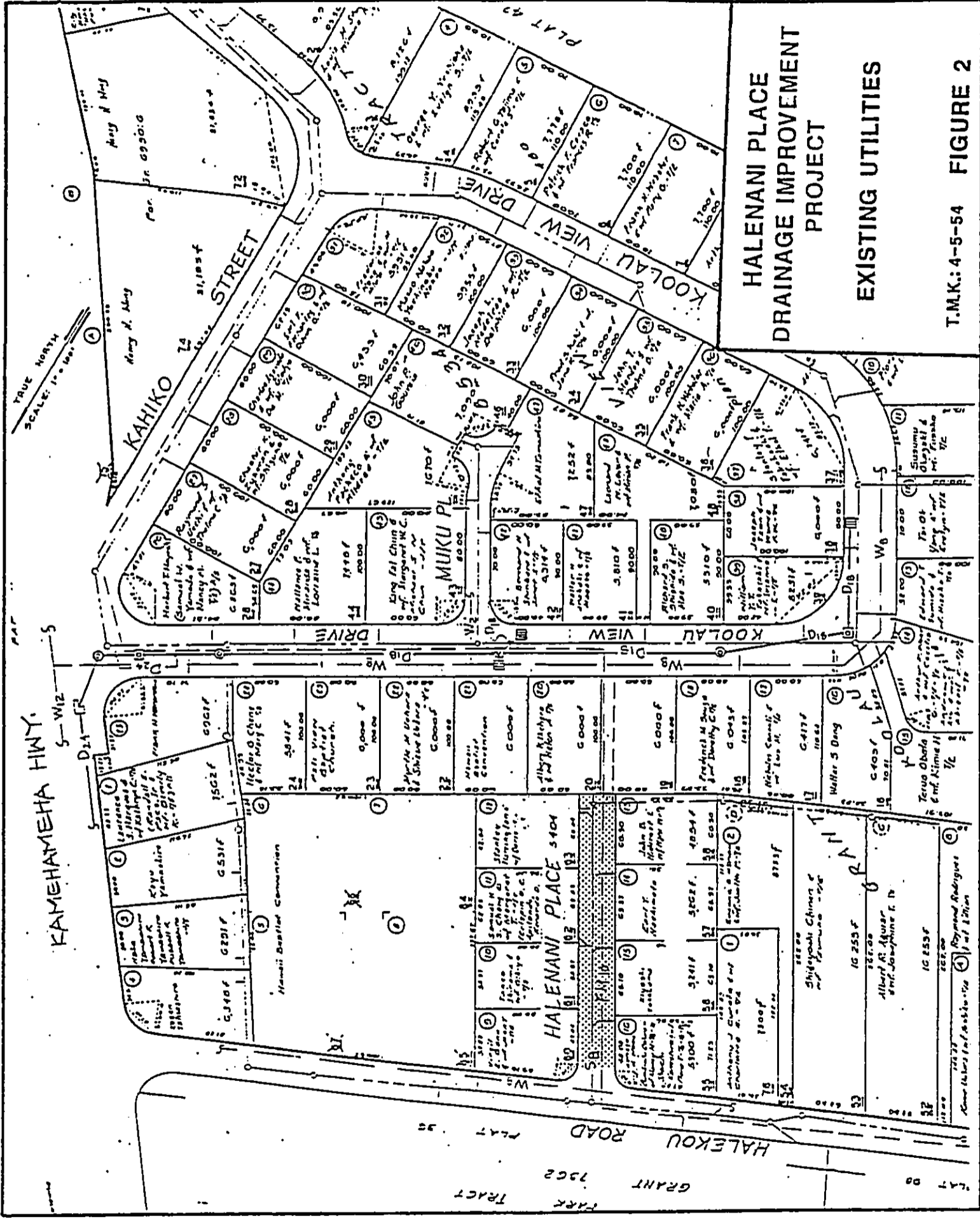
- I. Detrimentially affect air or water quality or ambient noise levels; or
- J. Affect an environmentally sensitive area, such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters. [Eff. Dec. 06, 1985] (Auth: HRS Sec. 343-6) (Imp. HRS Secs. 343-2, 343-6)

IX. LIST OF REFERENCES

1. Federal Emergency Management Agency (FEMA). 1989. Flood Insurance Study, City and County of Honolulu, Hawaii.
2. State of Hawaii. Department of Business, Economic Development and Tourism. 1990. State of Hawaii Data book: A Statistical Abstract. Honolulu:\_\_\_\_\_.
3. University of Hawaii. Department of Geography. 1983. Atlas of Hawaii, Second Edition. Honolulu: University of Hawaii Press.
4. U.S. Department of Agriculture. Soil Conservation Service. 1972. Soil Survey, Islands of Kauai, Oahu, Maui, Molokai and Lanai, State of Hawaii. Washington D.C.: GPO.



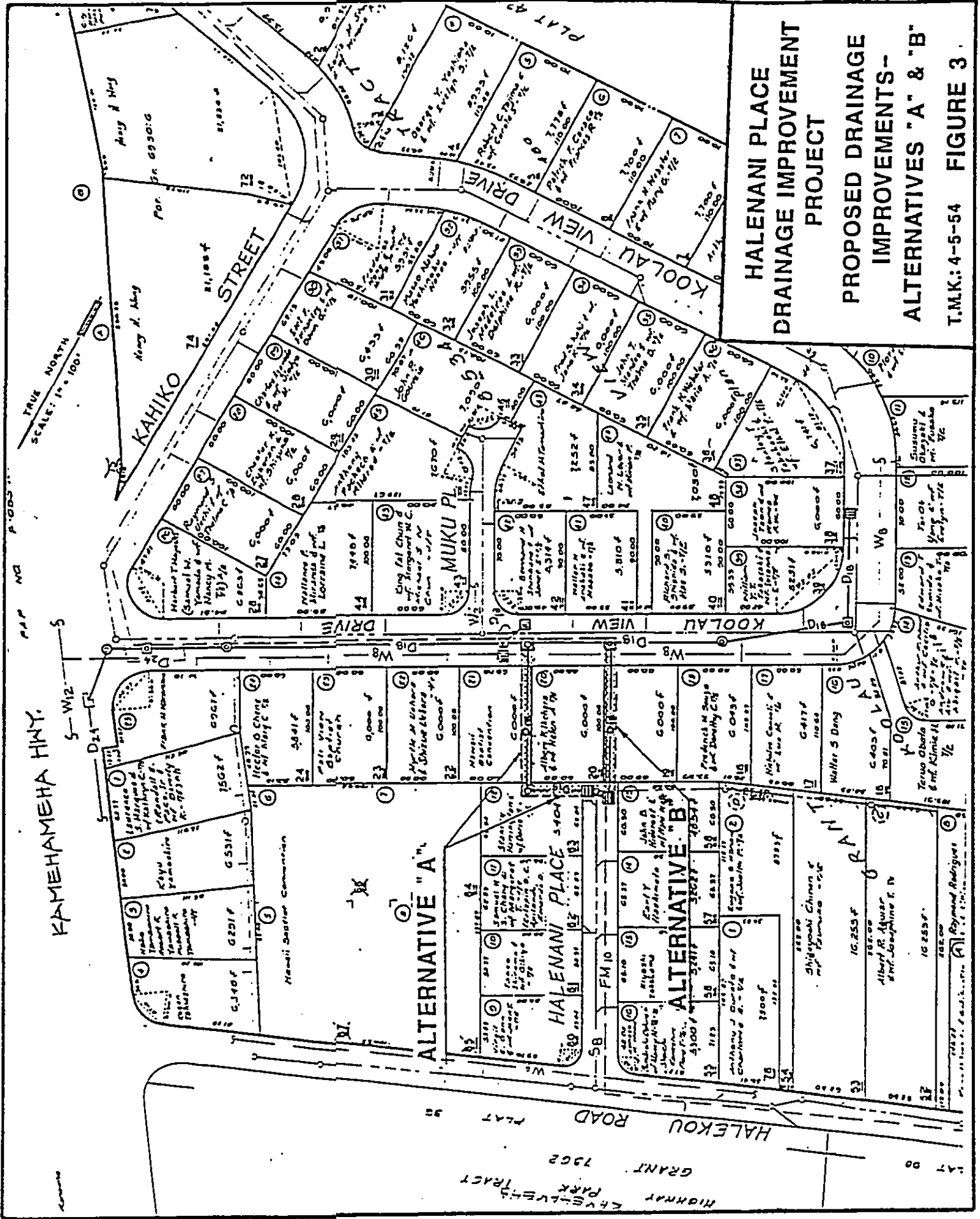
DOCUMENT CAPTURED AS RECEIVED



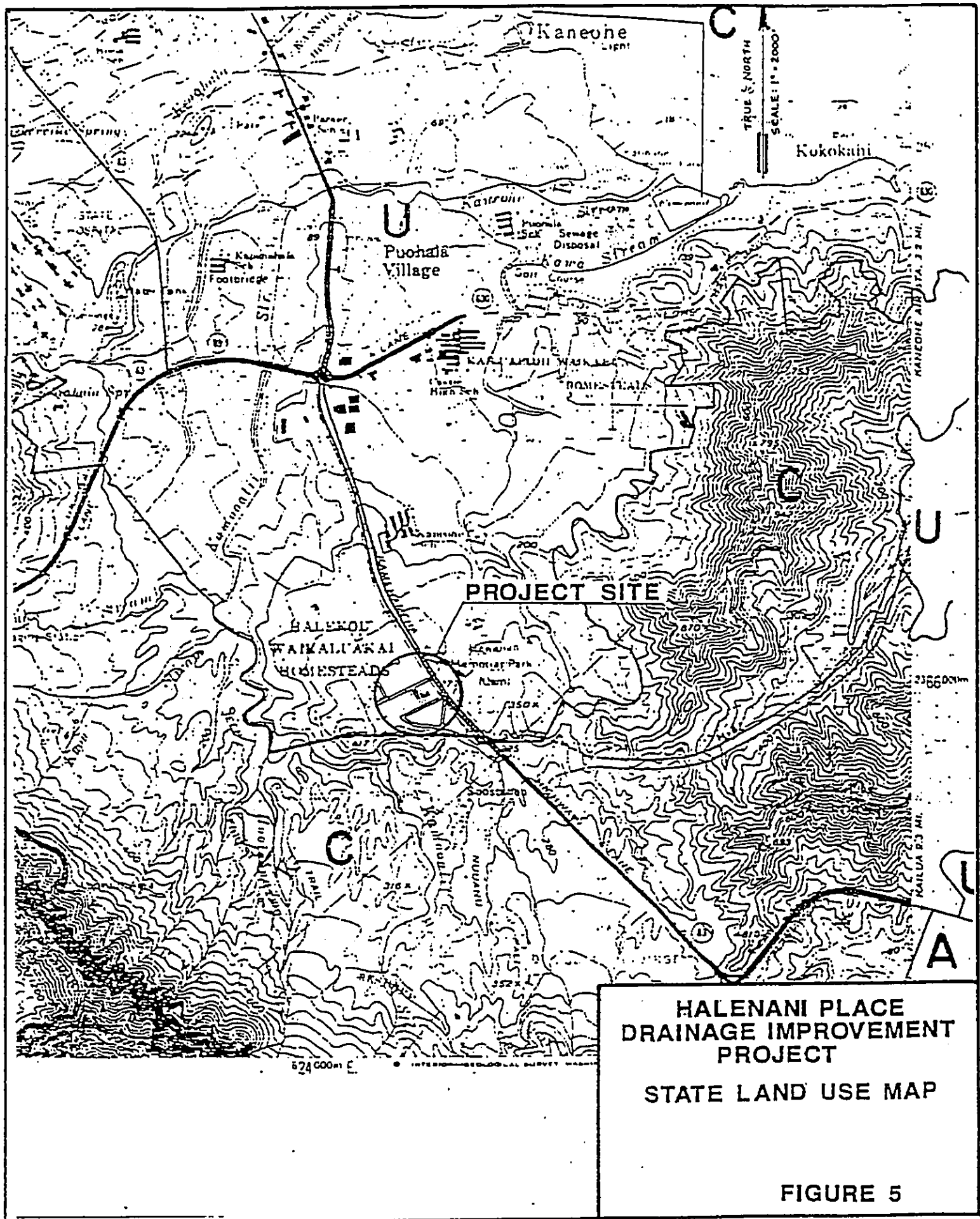
HALELANI PLACE  
DRAINAGE IMPROVEMENT  
PROJECT  
EXISTING UTILITIES

T.M.K.: 4-5-54 FIGURE 2

DOCUMENT CAPTURED AS RECEIVED



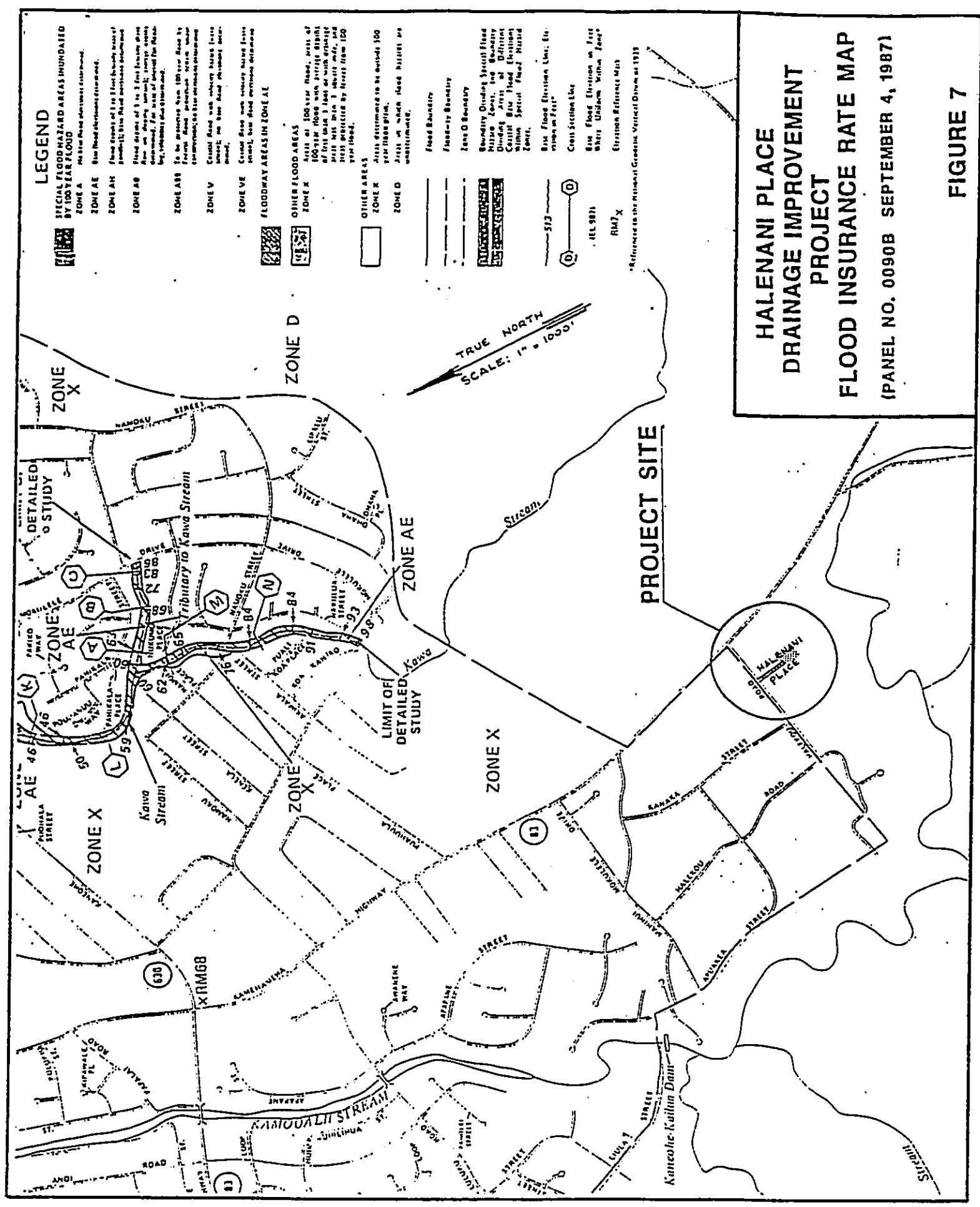








DOCUMENT CAPTURED AS RECEIVED

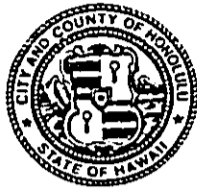


APPENDIX A

RESPONSES AND REPLIES FROM AGENCIES CONSULTED  
DURING THE ASSESSMENT PROCESS

DEPARTMENT OF GENERAL PLANNING  
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET  
HONOLULU, HAWAII 96813



RECEIVED  
DEPT OF PUBLIC WORKS  
AUG 23 10 37 AM '91

*BLL*  
BENJAMIN B. LEE  
CHIEF PLANNING OFFICER  
ROLAND D. LIBBY, JR.  
DEPUTY CHIEF PLANNING OFFICER

FRANK F. FASI  
MAYOR

MM 8/91-2580

August 20, 1991

MEMORANDUM

*Sam*  
TO: SAM CALLEJO, DIRECTOR AND CHIEF ENGINEER  
DEPARTMENT OF PUBLIC WORKS  
FROM: BENJAMIN B. LEE, CHIEF PLANNING OFFICER  
DEPARTMENT OF GENERAL PLANNING  
SUBJECT: ENVIRONMENTAL ASSESSMENT FOR THE HALENANI PLACE  
DRAINAGE IMPROVEMENT PROJECT, TAX MAP KEY: 4-5-54,  
KANEHOE, OAHU

RECEIVED  
DIV. OF ENGINEERING  
AUG 23 1 54 PM '91

In response to your memorandum of August 1, 1991, we have reviewed the subject environmental assessment and have no objections to the proposed project.

Thank you for the opportunity to comment. Should you have any questions, please contact Melvin Murakami of our staff at 527-6020.

*BLL*  
BENJAMIN B. LEE  
Chief Planning Officer

BBL:ft



DEPARTMENT OF THE ARMY

U. S. ARMY ENGINEER DISTRICT, HONOLULU  
DIV. OF ENGINEERING  
BUILDING 230  
FT. SHAFTER, HAWAII 96858-5440

91-3456

RECEIVED  
SEP 3 1 52 PM '91  
RECEIVED  
SEP 3 10 19 AM '91

REPLY TO  
ATTENTION OF:

Planning Division

TO \_\_\_\_\_

*Eng*

Mr. Sam Callejo  
Director and Chief Engineer  
Department of Public Works  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Dear Mr. Callejo:

Thank you for the opportunity to review and comment on the environmental assessment (EA) for the proposed Halenani Place Drainage Improvement Project, Kaneohe, Oahu, Hawaii (TMK 4-5-54). The following comments are provided pursuant to Corps of Engineers authorities to disseminate flood hazard information under the Flood Control Act of 1960 and to issue Department of the Army (DA) permits under the Clean Water Act, the Rivers and Harbors Act of 1899, and the Marine Protection, Research and Sanctuaries Act.

a. The proposed project will not require a Department of the Army Permit from the Corps.

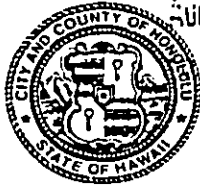
b. The flood zone designation (Zone D) cited on page 4 of the EA is correct; however, the current Flood Insurance Rate Map (FIRM) dated September 28, 1990 should be used and referenced instead of the September 4, 1987 FIRM.

Sincerely,

*Jaimin A. Nalawala*  
Kisuk Cheung *for*  
Director of Engineering

DEPARTMENT OF TRANSPORTATION SERVICES  
CITY AND COUNTY OF HONOLULU

HONOLULU MUNICIPAL BUILDING RECEIVED  
650 SOUTH KING STREET DEPT. OF PUBLIC WORKS  
HONOLULU, HAWAII 96813



AUG 28 10 49 AM '91

FRANK F. FASI  
MAYOR

91-3396  
*Eugen*

JOSEPH M. MAGALDI, JR.  
DIRECTOR

AMAR SAPPAL  
DEPUTY DIRECTOR

TE-4137  
PL91.1  
91-12-

RECEIVED  
DIR. OF ENGINEERING  
AUG 28 12 52 PM '91

August 27, 1991

MEMORANDUM

TO: ~~SRI CALLEJO~~, DIRECTOR AND CHIEF ENGINEER  
DEPARTMENT OF PUBLIC WORKS

FROM: JOSEPH M. MAGALDI, JR., DIRECTOR

SUBJECT: HALENANI PLACE DRAINAGE IMPROVEMENTS  
ENVIRONMENTAL ASSESSMENT (EA)  
TMK: 4-5-54

This is in response to your memorandum dated August 1, 1991 requesting our comments on the subject project.

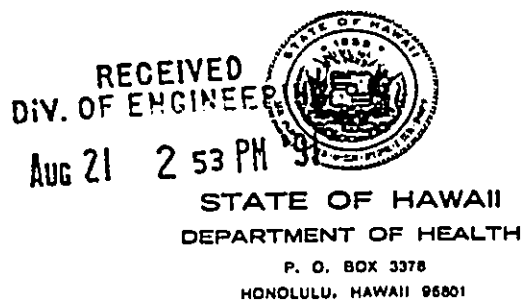
Our concerns are as follows:

1. Construction equipment should not be parked on the roadway pavement during non-working hours.
2. Construction plans for all work within the City's right-of-way should be submitted to our department for review. A traffic control plan showing temporary detours should be included in this plan.

Should you have any questions, please contact Lance Watanabe of my staff at local 4199.

JOSEPH M. MAGALDI, JR.

JOHN WAIHEE  
GOVERNOR OF HAWAII



91-3280

DEPT. OF PUBLIC WORKS  
AUG 13 1991

JOHN C. LEWIN, M.D.  
DIRECTOR OF HEALTH

*Luze*

In reply, please refer to:  
File: EMD/CWB

Ref. No. 91-3-282X

August 14, 1991

P0815WW

Mr. Sam Callejo  
Director and Chief Engineer  
Department of Public Works  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Dear Mr. Callejo:

Subject: ENVIRONMENTAL ASSESSMENT FOR THE  
HALENANI PLACE DRAINAGE IMPROVEMENT PROJECT  
KANEHOHE, KOOLAUPOKO, OAHU, HAWAII  
TMK: 4-5-54

The Department of Health has reviewed the subject Environmental Assessment for the Halenani Place Drainage Improvement project dated July 30, 1991. We have no objections to the proposed project.

If you should have any questions on this matter, please contact Mr. Walter West, Engineering Section of the Clean Water Branch, at 543-8309.

Sincerely,

*Bruce S. Anderson*

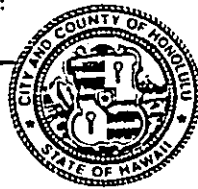
BRUCE S. ANDERSON, Ph.D.  
Deputy Director for  
Environmental Health

WW:rm

DEPARTMENT OF LAND UTILIZATION  
CITY AND COUNTY OF HONOLULU

DEPT. OF LAND UTILIZATION  
650 SOUTH KING STREET  
HONOLULU, HAWAII 96813 • (808) 523-3100

SEP 3 1 32 PM '91



RECEIVED  
DIV. OF ENGINEERING  
SEP 10 9 50 AM '91

91-3549

*Eng*  
DONALD A. CLEGG  
DIRECTOR

LORETTA K.C. CHEE  
DEPUTY DIRECTOR

LU 09/91-7302 (JT)

FRANK F. FASI  
MAYOR

September 6, 1991

MEMORANDUM

*Sam*  
TO: SAM CALLEJO, DIRECTOR AND CHIEF ENGINEER  
DEPARTMENT OF PUBLIC WORKS  
FROM: DONALD A. CLEGG, DIRECTOR  
SUBJECT: ENVIRONMENTAL ASSESSMENT FOR HALENANI PLACE DRAINAGE  
IMPROVEMENTS, TAX MAP KEY: 4-5-54: POR. 19, 21, 63

Thank you for the opportunity to comment on the above mentioned environmental assessment.

Our review of the proposed project finds that it is not within the Special Management Area. We have no further comments to offer at this time.

Should you have any questions, please contact the Environmental Affairs Branch at 523-4077.

*Loretta Chee*  
DONALD A. CLEGG  
Director of Land Utilization

DAC:lg

JOHN WAIMEE  
GOVERNOR OF HAWAII

RECEIVED  
DEPT OF PUBLIC WORKS  
SEP 9 1 31 PM '91



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621  
HONOLULU, HAWAII 96808

REF:OCEA:SKK

SEP 6 1991

91-3552  
WILLIAM W. PATY, CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES

RECEIVED  
DIV. OF ENGINEERING  
SEP 17 10 50 AM '91  
KEITH W. AHUE  
MABU TAGOMORI  
Dan T. Smith

AQUACULTURE DEVELOPMENT  
PROGRAM  
AQUATIC RESOURCES  
CONSERVATION AND  
ENVIRONMENTAL AFFAIRS  
CONSERVATION AND  
RESOURCES ENFORCEMENT  
CONVEYANCES  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
PROGRAM  
LAND MANAGEMENT  
STATE PARKS  
WATER AND LAND DEVELOPMENT

FILE NO.: 92-091  
DOC. NO.: 1547E

The Honorable Sam Callejo  
Director and Chief Engineer  
Department of Public Works  
City and County of Honolulu  
650 South King Street  
Honolulu, Hawaii 96813

Dear Mr. Callejo:

SUBJECT: Environmental Assessment for the  
Halenani Place Drainage Improvement Project  
Location: Kaneohe, Oahu, Hawaii  
TMK: 4-5-59

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the materials you submitted and have the following comments.

HISTORIC PRESERVATION DIVISION CONCERNS:

A review of our records shows that there are no known historic sites at the project plat which was extensively graded during construction of the housing subdivision there. Therefore, we believe this project will have "no effect" on historic sites. There remains the possibility that subsurface historic sites, including human burials, may be uncovered during routine construction activities. Should this be the case, work in the vicinity of the site should stop and the State Historic Preservation Division must be contacted at 587-0047.

*Engz*



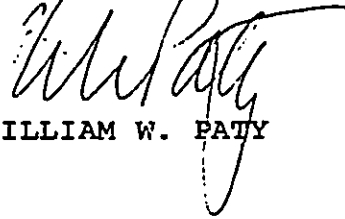
Mr. S. Callejo

-2-

DOC. NO.: 1547E

Please feel free to call me or Sam Lemmo at our Office of Conservation and Environmental Affairs, at 548-7837, should you have any questions.

Very truly yours,

A handwritten signature in cursive script, appearing to read "W. Paty", written in dark ink. The signature is fluid and somewhat stylized, with a long, sweeping underline that extends to the right.

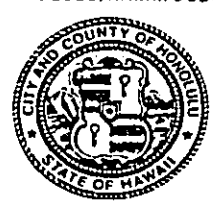
WILLIAM W. PATY

91X3400

DEPARTMENT OF PUBLIC WORKS  
**CITY AND COUNTY OF HONOLULU**  
RECEIVED DIVISION OF WASTEWATER MANAGEMENT  
DIV. OF ENGINEERING 650 SOUTH KING STREET  
HONOLULU, HAWAII 96813

SEP 9 3 28 PM '91

FRANK F. FASI  
MAYOR



SAM CALLEJO  
DIRECTOR AND CHIEF ENGINEER  
GEORGE M. UYEMA  
CHIEF

WPP 91-401

September 9, 1991

MEMORANDUM

TO: MR. MARVIN T. FUKAGAWA, CHIEF  
DIVISION OF ENGINEERING

FROM: GEORGE M. UYEMA, CHIEF  
DIVISION OF WASTEWATER MANAGEMENT

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT  
HALENANI PLACE DRAINAGE IMPROVEMENT PROJECT  
TMK: 4-5-54

We have the following comments regarding Item III: "Summary of the Major Impacts" on page 5 of the subject draft environmental assessment (EA):

- 1) We have no objections to Alternative A.
- 2) The City and County currently has a 6-foot wide sewer easement through parcel TMK: 4-5-54: 19 instead of a 10-foot wide easement as stated in the draft EA. The Division of Wastewater Management (DWWM) will agree to Alternative B, which proposes to construct an 18-inch drain line alongside the existing sewer force main, provided that sufficient distance is maintained between the two and that the current easement is widened. However, DWWM will not allow the proposed drain line to be constructed over or under this force main.

Also, be aware that there are municipal sewer lines in both Koolau View Drive and Halenani Place. All construction plans for the proposed drainage improvements must be submitted to DWWM for review.

If there are any comments, please call Lynn Kurashima at extension 4671.

*George M. Uyema*  
GEORGE M. UYEMA  
Chief