

JOHN WAIHEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. BOX 373
HONOLULU, HAWAII 96809

August 27, 1990

WILLIAM W. PATY, CHAIRPERSON
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PROGRAM
LAND MANAGEMENT
STATE PARKS
WATER RESOURCE MANAGEMENT

Dr. Bruce Anderson, Acting Director
Office of Environmental
Quality Control
465 South King Street
Kekuanaoa Building, Room 104
Honolulu, Hawaii 96813

Dear Dr. Anderson:

Job No. 9-OF-K, Wahinepee Street
Flood and Drainage System Improvements
Laie, Oahu, Hawaii

Pursuant to Section 11 of the Environmental Impact Statement Rules, transmitted for processing are four (4) copies of the Environmental Assessment and Notice of Determination (Negative Declaration) for the subject project. Also attached is a completed OEQC Bulletin Publication Form.

If there are any questions on this matter, please have your staff contact Mr. Gordon Akita of the Planning Branch at extension 8-7496.

Sincerely,

A large, stylized handwritten signature in black ink, appearing to read "Manabu Tagomori".

MANABU TAGOMORI
Manager-Chief Engineer

RECEIVED
OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

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Attach.

c: Dept. of Land Utilization,
City & County of Honolulu

1990-09-08-0A-FBA

Oahu 199011D

FILE COPY

ENVIRONMENTAL ASSESSMENT

AND

NEGATIVE DECLARATION

Job No. 9-OF-K

★Wahinepee Street Flood and Drainage System Improvements ★

Laie, Oahu, Hawaii

State of Hawaii
Department of Land and Natural Resources
Division of Water Resource Management
July, 1990

NOTICE OF DETERMINATION: Negative Declaration

**FOR: Job No. 9-OF-K
Wahinepee Street Flood and Drainage System Improvements
Laie, Oahu, Hawaii**

**BY: Division of Water Resource Management
Department of Land and Natural Resources**

The proposed action will have no significant effect on the environment and therefore does not require the preparation of an Environmental Impact Statement. This Notice of Determination and Environmental Assessment are being filed as a Negative Declaration.

ENVIRONMENTAL ASSESSMENT

For

Job No. 9-OF-K
Wahinepee Street Flood and Drainage System Improvements
Laie, Oahu, Hawaii

I. Applicant/Proposing Agency

Division of Water Resource Management
Department of Land and Natural Resources

II. Agencies Consulted

U.S. Government
Army Corps of Engineers

City and County of Honolulu
Department of Land Utilization

III. Project Description

The State Department of Land and Natural Resources, Division of Water Resource Management is proposing the construction of an improved storm drainage system for the Wahinepee Street area of Laie on the island of Oahu, TMK: 5-5-09 (see figures 1, 2 and 3). Approximately 464 linear feet of 24-inch reinforced concrete pipe will be installed, along with manholes, intake and outlet structures, and an asphalt lined swale.

Residents of Wahinepee Street have been complaining about flooding problems for several years. During periods of heavy rain, water may rise up to three feet deep in some yards, and even moderate rains can leave the street perpetually flooded. Flood waters have also precipitated the overflowing of nearby cesspools, causing a health hazard. The proposed drainage system will help to drain ponded water created by the storms.

IV. Project Schedule and Cost Estimate

The construction portion of this project should be completed 120 calendar days after receipt of notice to proceed. The construction cost for the project has been set at \$64,500.00.

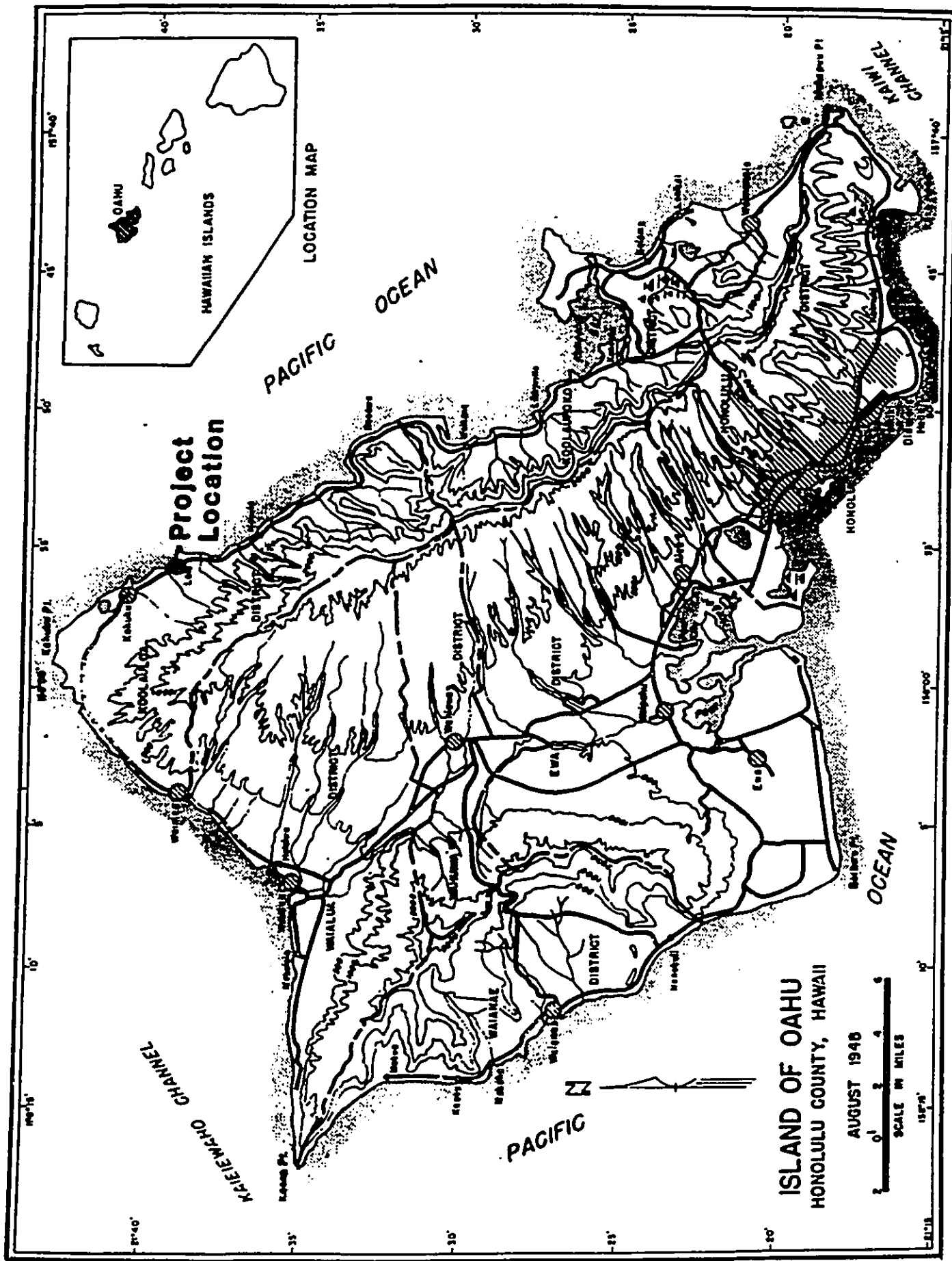
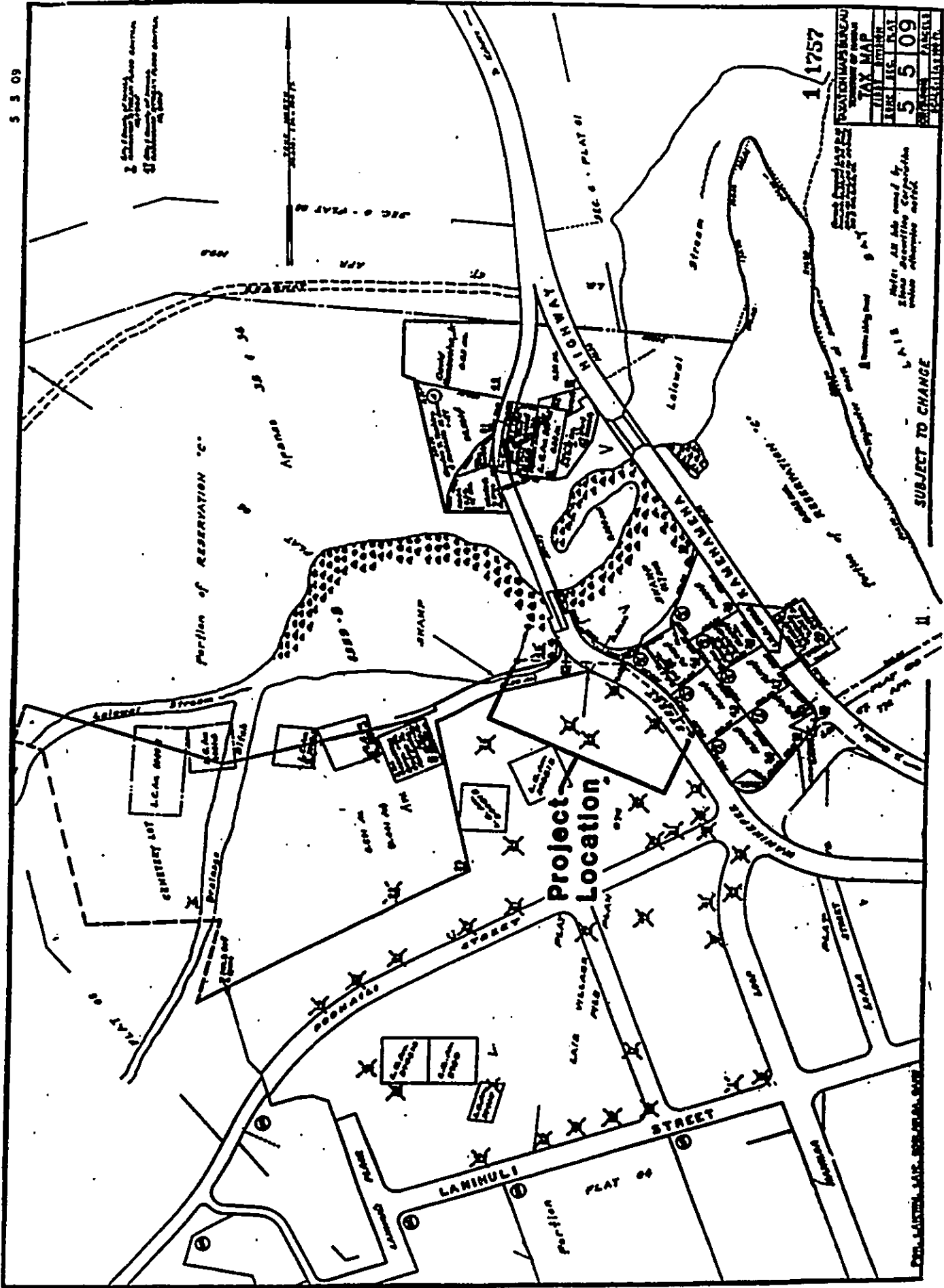


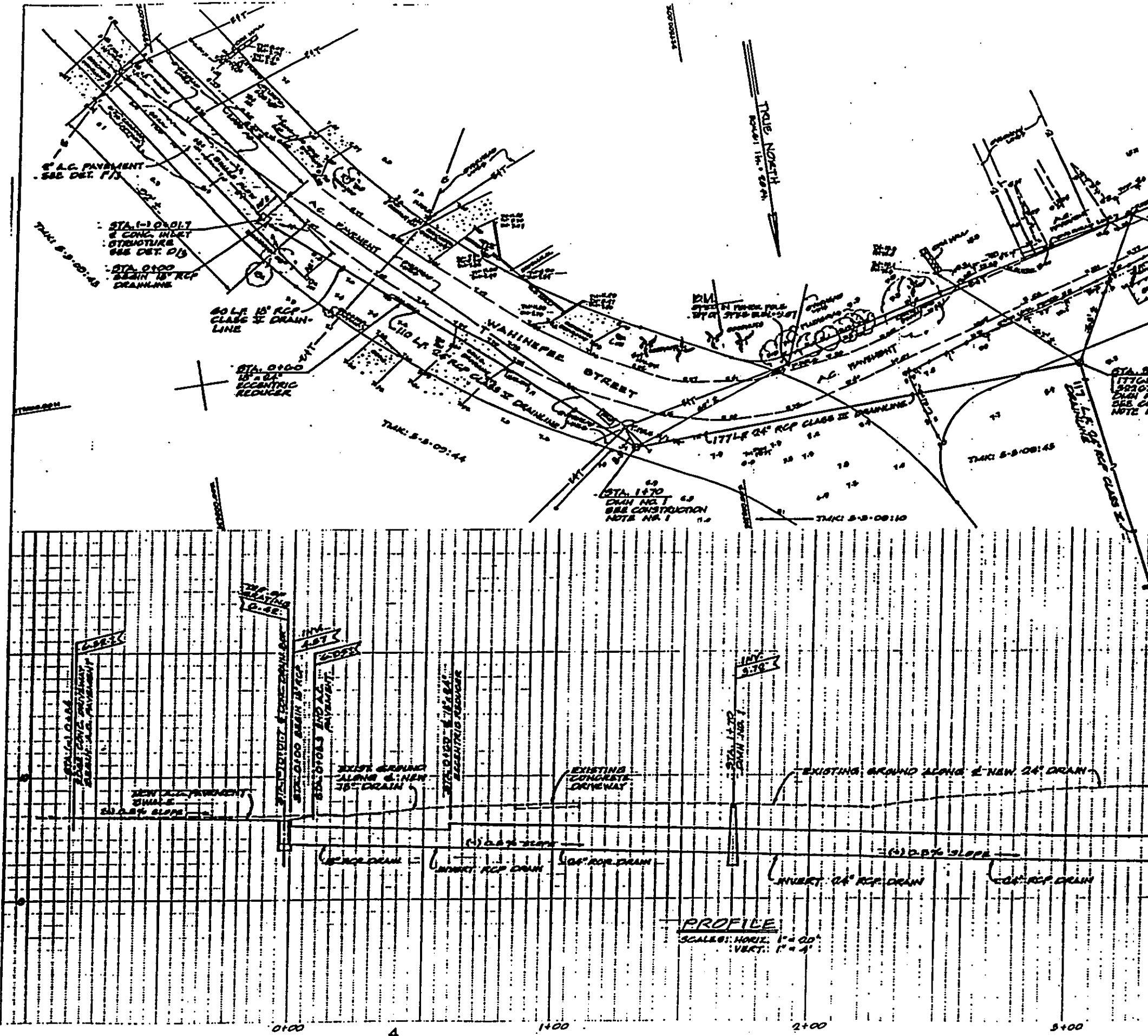
FIGURE 1



3

FIGURE 2

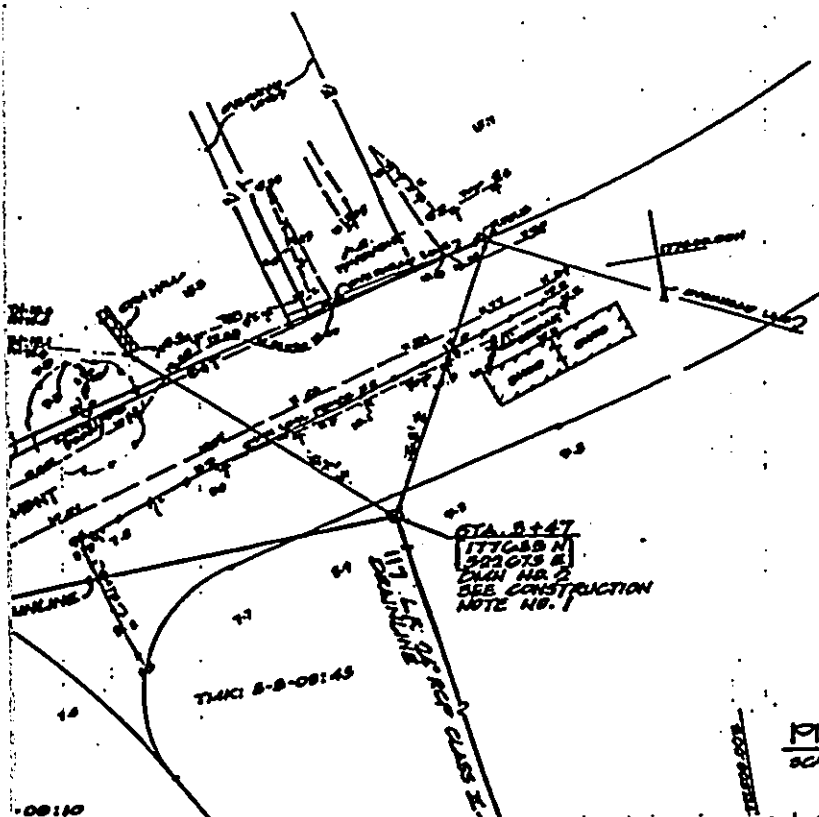
DOCUMENT CAPTURED AS RECEIVED



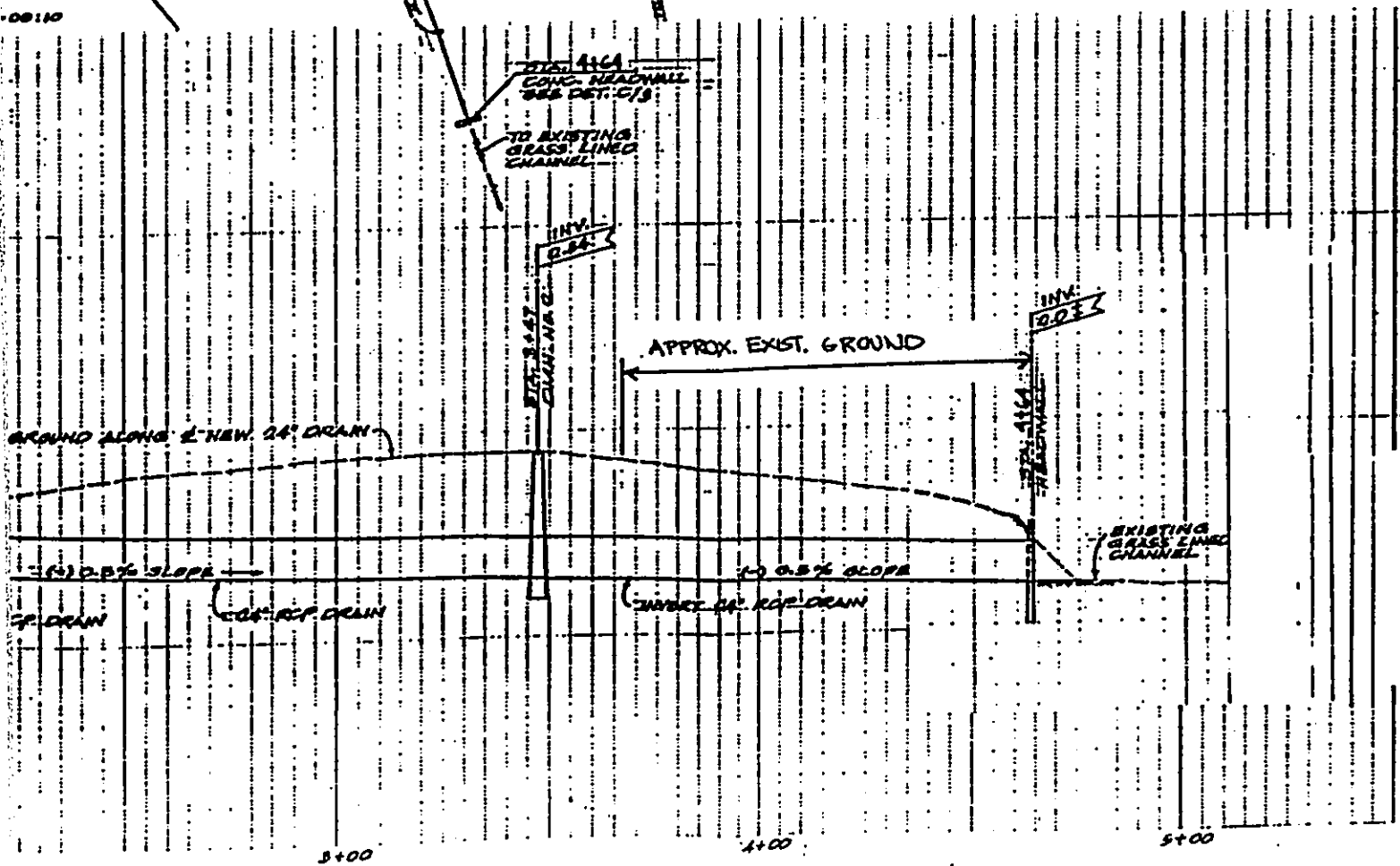
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CONSTRUCTION NOTES

1. DRAIN NO. 1 & NO. 2 SHALL BE CONSTRUCTED AS SHOWN ON SHEET D-18, D-17 & D-19, "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SEPTEMBER, 1954.
2. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL SURROUNDING STRUCTURES, TREES, PLANTS, GRASS, WALKS, PAVEMENTS, ETC. ANY DAMAGE WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
3. ALL EXCAVATION SHALL BE PROTECTED AND BARRICADED AGAINST DAMAGE TO LIFE, LIMB AND PROPERTY. SPECIAL CAUTION SHALL BE EXERCISED NEAR OVERHEAD LINES AND POWER POLES.
4. THE CONTRACTOR SHALL RESTORE EXISTING LAWN AND IMPROVEMENTS TO THE ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE ENGINEER.
5. THE CONCRETE HEADWALL WILL BE LOCATED IN THE FIELD BY THE ENGINEER.



PLAN - 18" AND 24" DRAINLINE
SCALE: 1" = 20 FT



V. Potential Impacts

Short Term Impacts

Short term impacts of the proposed project will be kept to a minimum. Control measures will be performed to reduce any dust nuisance caused by the construction. The operation of heavy equipment will be scheduled such that the noise impact upon nearby residents is minimal, and will be limited to daylight hours. Convenient access to buildings along the line of work will be maintained throughout the construction period. All short term impacts will be mitigated by normal construction practices.

Long Term Impacts

The proposed project will provide the residents of Wahinepee Street with a much needed drainage system. It will relieve the frequent ponding due to heavy rains, as well as alleviate the sewage backup problem. Once construction is completed, operation and maintenance costs should be minimal. No adverse long term environmental impacts are anticipated.

VI. Alternatives to the Proposed Action

Alternative Site

The reported flooding is localized at Wahinepee Street, which has no drainage system at present. The proposed project has been developed exclusively in response to complaints from the Wahinepee Street residents. It would be impractical as well as pointless to consider an alternate site for this particular project.

No Action

Wahinepee Street is located in a Special Flood Hazard area. Flooding is currently so frequent in this area that it has been agreed that something must be done. Taking no action would not alleviate the problem in any way and therefore cannot be considered seriously as a viable option.

Other Alternatives

Initially, the ideal alternative involved the construction of a concrete open channel which would have run from Wahinepee Street to Laie Bay. However, costs for the construction and maintenance of this alternative were found to be extremely prohibitive. Due to a lack of funds, this alternative was determined to be infeasible.

VII. Discussion of Significant Criteria

In considering the significance of potential environmental impacts, both short term and long term, with respect to the criteria as defined in Chapter 343, Hawaii Revised Statutes Section 1:31, it has been determined that:

1. The proposed action does not involve an irrevocable commitment or loss of or destruction of any natural cultural resource:

There are no natural or cultural resources associated with the project site. Care will be taken to preserve the natural landscape and protect any trees in the area.

2. The proposed action does not curtail the range of beneficial uses of the environment:

The proposed plan is consistent with the County's general plan and would not curtail beneficial uses of the environment in the area. The system will, in fact, benefit the environment by reducing the effects of flooding and cesspool overflow. The proposed project will be compatible with the uses of the surrounding area.

3. The proposed action is in concert with the state's long-term environmental policies, goals and guidelines as expressed in Chapter 343, HRS, and any revisions and amendments thereto, court decisions and executive orders:

The proposed project is consistent with the State Land Use Plan which is in concert with all applicable policies, goals and guidelines. No long term environmental conflicts are foreseen.

4. The proposed action does not substantially affect the economic or social welfare of the community or state:

The economic impact will be affected by the short term construction related activities only. Because the proposed system will reduce flooding problems, it will be beneficial to the community. Any long term effects of the proposed project should be positive.

5. The proposed action does not involve substantial secondary impacts such as population changes or effects on public facilities:

The proposed project will not result in an increase in population, nor will it affect normal population growth in the area. It will not have any negative effects on public facilities.

6. The proposed action does not substantially affect public health:

Construction will be regulated to minimize noise, dust and erosion. Short term impacts will be mitigated by normal construction practices. The ponding abatement and subsequent sewage control can be considered a positive long term impact.

7. The proposed action does not involve a substantial degradation of environmental quality:

The existing physical aspects of the surrounding area will be preserved. Once completed, the drainage system will not generate any noise and will have no adverse impact on the air quality.

8. The proposed action is individually limited and cumulatively, does not have a considerable effect upon the environment or involve a commitment for larger actions:

The proposed project was conceived as a direct result of complaints from the residents of Wahinepee Street. It is limited to this one street and does not involve a commitment for any larger action.

9. The proposed action does not substantially affect rare, threatened or endangered species or habitats:

The proposed project is located on a residential street. There are no known rare, threatened or endangered species or habitats associated with the project.

10. The proposed action does not affect areas of archaeological interest:

The area in question has previously been graded and developed. No historic or archaeologically significant locations have been identified at the site. If any unanticipated sites or artifacts are discovered during construction, the work will be halted and the State Historic Preservation Office will be contacted.

11. The proposed action does not detrimentally affect air or water quality or ambient noise levels:

Short term impacts on air quality and noise levels will occur during the construction period but will be mitigated by normal control measures. Development of the project will not increase ambient noise levels. Air and water quality will not be substantially affected during construction. When the system is operational there should be no adverse effects on ambient noise levels or air and water quality in the area.

VIII. Determination

In accordance with Chapter 343, Hawaii Revised Statutes, it is determined that the proposed project would not have any significant adverse effects on the environment. Any potentially negative effects have been identified along with suggested mitigative measures. Consequently, an Environmental Impact Statement is not required and this Environmental Assessment is hereby being filed as a Negative Declaration.

JOHN WAIHEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. BOX 373
HONOLULU, HAWAII 96809

July 31, 1990

14
WILLIAM W. PATY, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTIES

KEITH W. AHUE
MANABU TAGOMORI
RUSSELL N. FUKUMOTO

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STATE PARKS
WATER RESOURCE MANAGEMENT

Mr. Stan Arakaki
U.S. Army Corps of Engineers
Pacific Ocean Division
Chief Operations Branch, Bldg. 230
Fort Shafter, Hawaii 96858-5440

Attn: CEPOD-CO-O

Dear Mr. Arakaki:

Environmental Assessment for Job No. 9-OF-K
Wahinepee Street Flood and Drainage System Improvements
Laie, Oahu, Hawaii

The Department of Land and Natural Resources is planning to improve the drainage system in Wahinepee Street, Laie, Oahu as shown in the accompanying Notice of Determination and Environmental Assessment. Accordingly, we respectfully request your determination whether a Corps of Engineers permit is required on this proposed improvements.

We would appreciate any comments you may have at your earliest convenience on this project.

Should you have any questions on this matter, please have your staff contact Mr. Gordon Akita of the Planning Branch at 548-7496.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer

ZA:lc

Enc.



REPLY TO
ATTENTION OF

Operations Division

DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, HONOLULU
FT. SHAFTER, HAWAII 96809

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AUG 10 1990
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DIV. OF WATER &
LAND DEVELOPMENT

Mr. Manabu Tagomori
Manager-Chief Engineer
Department of Land and Natural Resources
Division of Water Resource Management
P.O. Box 373
Honolulu, Hawaii 96809

Dear Mr. Tagomori:

I am responding to your July 31, 1990 letter concerning the Wahinepe Street Flood and Drainage System Improvements, Laie, Oahu, Hawaii. Since the drain line connection was considered in the project design, you may proceed with this work. No other permission is necessary from the Corps of Engineers.

Thank you for the opportunity to review this project.

Sincerely,

Stanley J. Arakaki

Stanley J. Arakaki
Chief, Operations Division
Directorate of Construction-
Operations