

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU

630 SOUTH BERETANIA STREET

HONOLULU, HAWAII 96843



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September 27, 1990

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FRANK F. FASI, Mayor

DONNA B. GOTH, Chairman
SISTER M. DAVILYN AH CHICK, O.S.F.,
Vice Chairman

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EDWARD Y. HIRATA
JOHN K. TSUI
WALTER O. WATSON, JR.
MAURICE H. YAMASATO

KAZU HAYASHIDA
Manager and Chief Engineer

OFC. OF ENVIRON.
QUALITY CONTR.

OFC. OF ENVIRON.
QUALITY CONTR.

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

Dear Dr. Anderson:

Subject: Environmental Impact Assessment for Kalauao Wells Roadway to Well
Heads, Kalauao, Oahu, Hawaii, TMK: 1-9-8-11: 32

We request that our proposed project be published in the EQC Bulletin as a Negative Declaration.

Attached are four copies of the assessment for your use.

If you have any question, please contact Bert Kuioka at 527-5235.

Very truly yours,

KAZU HAYASHIDA
Manager and Chief Engineer

Attachment

1990-10-08-0A-FKA

FILE COPY

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

ENVIRONMENTAL ASSESSMENT

FOR

* KALAUAO WELLS: ROADWAY TO WELL HEADS

KALAUAO,* OAHU, HAWAII

TMK: 9-8-11:32

This document is prepared pursuant to Chapter 343, HRS

PROPOSING AGENCY: BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HAWAII 96843

PREPARED BY

DHC HAWAII CORPORATION
1236 Elizabeth Street
Honolulu, Hawaii 96816
September 1990

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I. Description of Proposed Action and Statement of Objective.

The proposed project at the existing Kalauao Wells site (See Appendix B: Site Plan) involves the extension, from existing pavement, paved driveways to each of six (6) existing well heads and construction of landscape gravel paving around the well heads.

The purpose of the new pavement is to provide an all weather vehicular surface to the wells for maintenance/repair purposes including rapid delivery of trailer mounted power generating equipment during emergency situations. The graveled area at the well head is to provide a stable, weed free, low maintenance ground covering.

II. Description of the Affected Environment.

The site of the proposed project is at Kalauao, Oahu (TMK: 9-8-11:32) and located 0.8 mile north-east of Pearl Ridge Center (See Appendix A: Location Map). The State Land Use Commission has classified the parcel as Urban and the City has designated this same area as Preservation-2.

Flood Insurance Rate Map (150001-0001-0134 dated 4 September 1987) indicates that the project site is at elevation 160 feet, Mean Sea Level Datum and not within a Flood Prone Area.

The average annual rainfall is between two (2) and seven (7) inches per year with the average temperature varying from 60 degrees to 85 degrees Fahrenheit.

The site had previously been graded flat and there is no known archaeological or historical site in its vicinity. If items of historical or archaeological interest are discovered during construction, the work will be stopped in the immediate area, the items left undisturbed, and the State of Hawaii Historic Preservation Program will be promptly notified.

III. Agencies Consulted in Making This Assessment.

A. City and County of Honolulu

1. Department of General Planning
2. Department of Land Utilization

B. State of Hawaii

1. Department of Business and Economic Development
2. Department of Health
3. Department of Land and Natural Resources

C. U.S. Government

1. Department of the Interior, Fish and Wildlife
Environmental Services

Appendix C contains comments on the environmental assessment. The Department of Land Utilization, the Department of Health and the Department of Business and Economic Development had no objections/comments on this project.

IV. General Description of the Project's Technical, Economic, Social, and Environmental Characteristics.

The total area of the parcel (TMK: 9-8-11:32) is over 250,000 square feet within which is an area of 61,000 square feet enclosed by existing fencing. Of this enclosed area, approximately 42,000 square feet are flattened and grassed. Within this flattened area, 6,000 square feet are occupied by existing pavements/buildings with the balance being grassed.

The proposed work involves minor grading, paving, and the construction of gravel surfacing at the well heads. The new pavements will cover an area of 5,000 square feet and the gravel will cover an area of 2,000 square feet. Grading will only be for roads and gravel; no other areas will be exposed and no side-hill cuts or fills will be made.

It is anticipated that construction will cost \$60,000.00 and is scheduled to begin during Fiscal Year 1992, taking approximately 30 calendar days to complete.

Funds from the Board of Water Supply, City and County of Honolulu, will be utilized for construction.

The project will not require the displacement or relocation of any persons. Access to the construction site is from Iho Place (See Appendix A: Location Map), then over a paved road easement. The existing easement is owned by the Board of Water Supply.

V. Identification and Summary of Major Impacts and Proposed Mitigation Measures.

The environmental impact of the proposed project will be limited to the construction phase of the road and may include the following temporary, unavoidable, adverse environmental effects:

- A. Dust and Noise Emission: The discharge of dust into the atmosphere may occur during construction. However, this is only a short-term effect on the environment. Dust will be reduced and controlled through the application of water and/or other appropriate methods. The specifications will contain provisions that will require the contractor to prevent dust nuisance at all times and have sufficient equipment and manpower at the job site to accomplish this.

Noise will be generated by construction equipment such as backhoes, compactors and trucks during the project. The increase in noise level by construction equipment cannot be avoided, but will be controlled and limited to normal daylight working hours.

- B. Water Pollution: The contractor will be required to properly dispose of any dust control water and to take other precautionary actions during the course of construction operations to preclude the discharge of petrochemical products from construction equipment into the environment.
- C. Damaged grassed areas will be re-planted and maintained until 100% coverage is achieved to further reduce downstream soil/silt run-off.

Proper construction methods will be used to minimize disturbance to the project site to include the prevention of debris and other deleterious materials into the environment.

VI. Alternatives Considered.

The following courses of action were considered: (1) no action, or (2) the proposed project.

- A. Alternative (1): If no action is taken, it will continue to be difficult to perform work on the well heads, especially during emergency situations. The lack of a paved vehicular surface up to the well heads creates mud during inclement weather and makes maintenance and repair work time consuming, costly, and dangerous for workers. Soil/silt run-off from damaged grass areas will increase.
- B. Alternative (2): If the vehicular surface up to the well heads is paved with an impervious surface such as asphalt, technically, the run-off will increase but by a negligible amount. The Criteria for a low-maintenance surface would be met. Completion of

the proposed project will enable personnel to efficiently perform maintenance and repair work on the well heads. The use of gravel provides not only a low maintenance surface, but also provides better drainage due to the absorbent nature of the material.

VII. Determination.

After preparing an environmental assessment, it has been determined that the proposed project will not have a significant impact on the environment, and an environmental impact statement will not be needed.

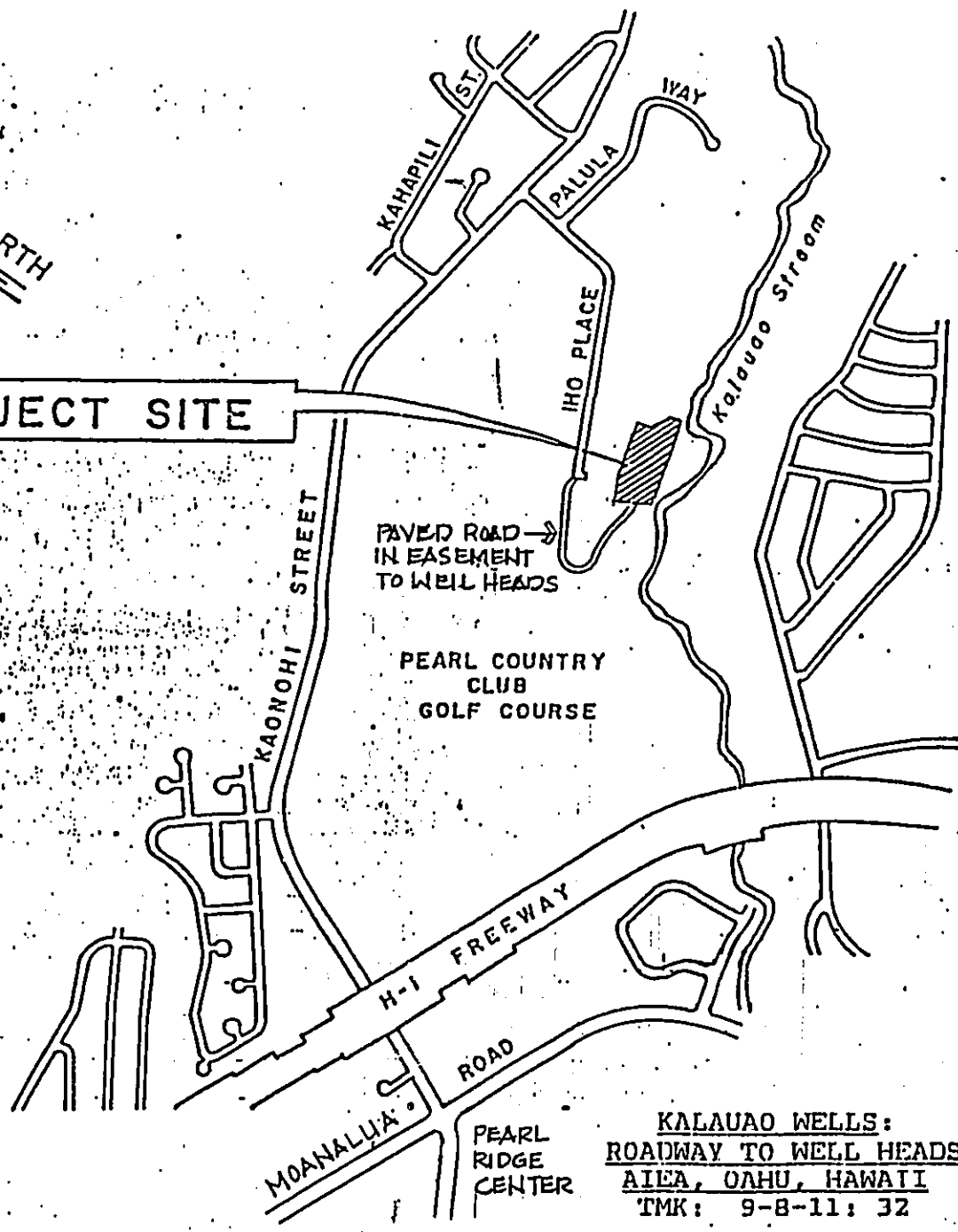
VIII. Reasons for Supporting the Determination.

Based on the criterial, the policies, guidelines, and provisions of Chapters 342, 343, and 344, HRS, the reason supporting the Negative Declaration determination is that the proposed project will:

- A. Not involve an irrevocable commitment to loss or destruction of any natural cultural resource;
- B. Not curtail the range of beneficial uses of the environment;
- C. Not conflict with the State's long-term environmental policies, goals and guidelines, or existing land use and development plans;
- D. Not substantially affect the economic or social welfare of the community or State or public health;
- E. Not involve substantial secondary impacts or degradation of environmental quality;
- F. Not be individually limited and cumulatively will not have a significant effect upon the environment nor involve a commitment for larger actions;
- G. Not substantially affect any rare, threatened or endangered species, or its habitat;
- H. Not detrimentally affect air or water quality or ambient noise levels; or
- I. Not affect an environmentally sensitive area such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.

TRUE NORTH
1" = 1200'

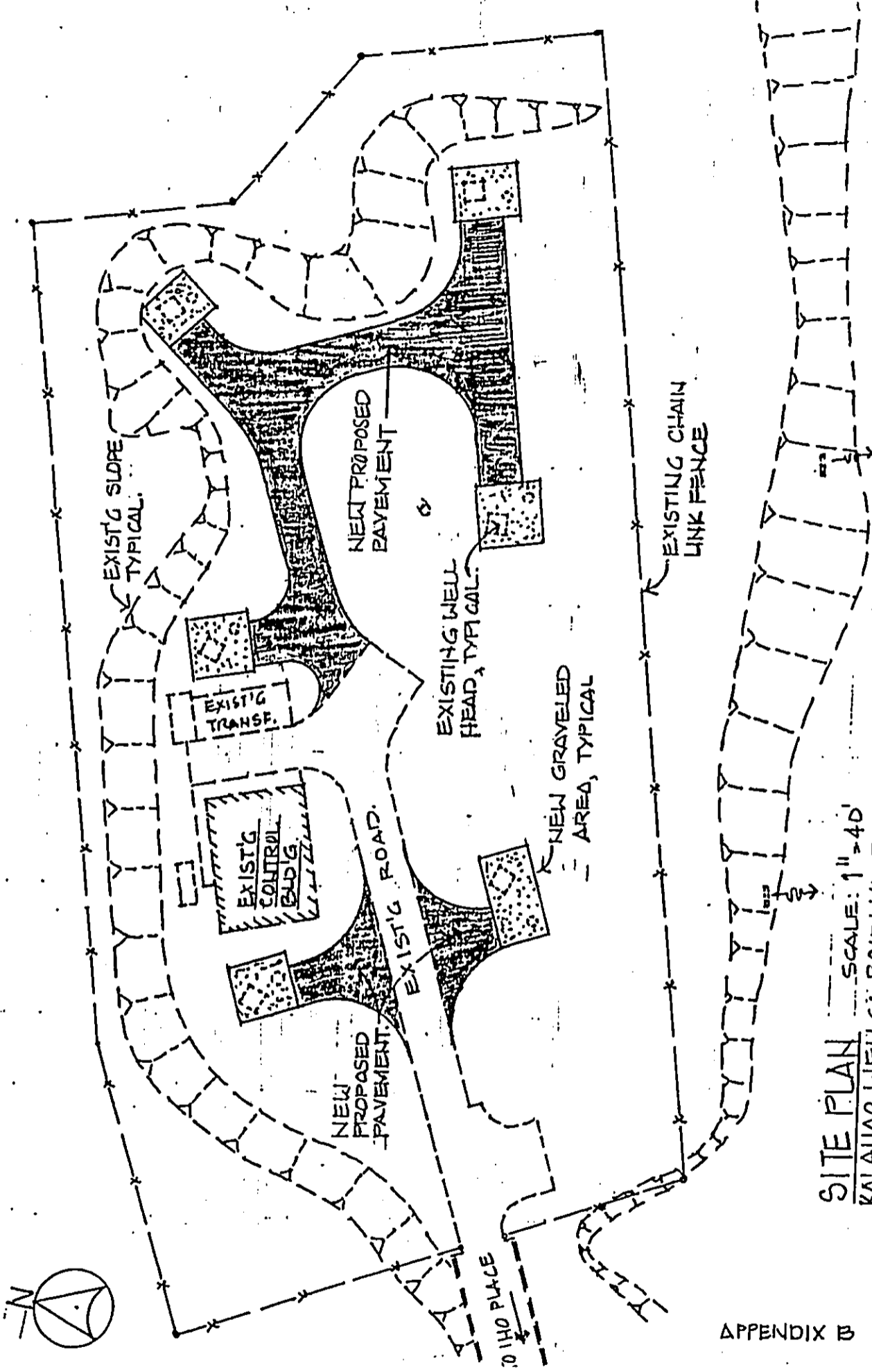
PROJECT SITE



KALAUAA WELLS:
ROADWAY TO WELL HEADS
AIEA, OAHU, HAWAII
TMK: 9-8-11: 32

LOCATION MAP
SCALE: 1" = 1200'

APPENDIX A.



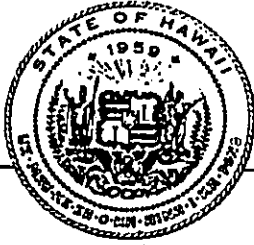
SITE PLAN SCALE: 1" = 40'
 KALAUAO WELLS: ROADWAY TO WELL HEADS.
 KALAUAO, OAHU, HAWAII
 TMK: 2-0-11:32

13 MAR. 1990.

APPENDIX B

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Appendix C



DEPARTMENT OF BUSINESS
AND ECONOMIC DEVELOPMENT

ENERGY DIVISION, 335 MERCHANT ST., RM. 110, HONOLULU, HAWAII 96813 FAX: (808) 531-5243

JOHN WAIHEE
GOVERNOR
ROGER A. ULVELING
DIRECTOR
BARBARA KIM STANTON
DEPUTY DIRECTOR
LESLIE S. MATSUBARA
DEPUTY DIRECTOR

May 29, 1990

DHC Hawaii Corporation
1236 Elizabeth Street
Honolulu, Hawaii 96816-3844

Dear Sir:

Subject: Environmental Assessment for Kalauao Wells:
Roadway to Well Heads
Kalauao, Oahu, Hawaii

We wish to inform you that we have no comments to offer on the subject environmental impact statement.

Thank you for the opportunity to review the document.

Sincerely,

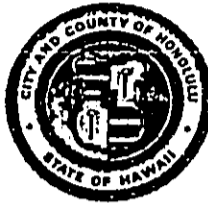

for Roger A. Ulveling

RAU:MHK/hk

DEPARTMENT OF GENERAL PLANNING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813

FRANK F. FASI
MAYOR



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

MH 5/90-1481

May 29, 1990

Mr. Donald H. Chung, President
DHC Hawaii Corporation
1236 Elizabeth Street
Honolulu, Hawaii 96816-3844

Dear Mr. Chung:

Subject: Early Assessment for Kalauao Wells

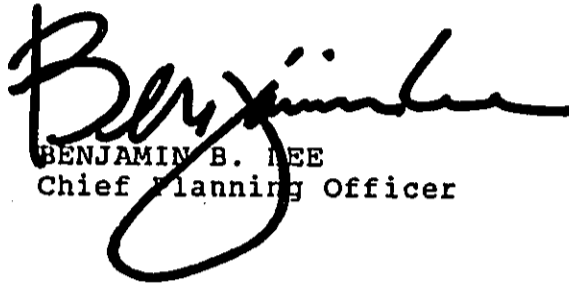
In response to your letter of May 11, 1990, we have the following comments to offer on the subject proposal:

1. The proposed project is consistent with the City and County of Honolulu's General Plan Objective "To meet the needs of the people of Oahu for an adequate supply of water and for environmentally sound systems of waste disposal."
2. The forthcoming Environmental Assessment (EA) should include an identification of agencies consulted in preparing the assessment.
3. Any alternatives being considered and/or the no-action alternative should be included in the EA.
4. The EA should contain the Board of Water Supply's determination of whether an EIS is required.
5. Findings and reasons supporting the determination should be disclosed within the EA.

Mr. Donald H. Chung, President
DHC Hawaii Corporation
Page 2
May 29, 1990

We hope these comments are helpful in preparing the EA. If you have any questions regarding our comments, please contact Matthew Higashida at 527-6056.

Sincerely,



BENJAMIN B. LEE
Chief Planning Officer

BBL:lh

DEPARTMENT OF LAND UTILIZATION
CITY AND COUNTY OF HONOLULU

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

FRANK F. FASI
MAYOR



DONALD A. CLEGG
DIRECTOR

LORETTA K.C. CHEE
DEPUTY DIRECTOR

LU5/90-3279(RF)

May 30, 1990

Mr. Donald H. Chung, President
DHC Hawaii Corporation
1236 Elizabeth Street
Honolulu, Hawaii 96816-3844

Dear Mr. Chung:

Environmental Assessment for Kalauao Wells
Roadway to Well Heads, Kalauao, Oahu

We have reviewed your submittal dated May 11, 1990 and have no comments to offer at this time.

Very truly yours,


DONALD A. CLEGG
Director of Land Utilization

DAC:s1
0338N/16

JOHN WAIHEE
GOVERNOR OF HAWAII



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

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:
EPHSD

June 4, 1990

Mr. Donald H. Chung
DHC Hawaii Corporation
1236 Elizabeth Street
Honolulu, HI 96816-3844

Dear Mr. Chung:

SUBJECT: Environmental Assessment for Kalauao Wells:
Roadway to Well Heads
Kalauao, Oahu, Hawaii

Thank you for your letter of May 15, 1990 informing the Department of Health on the road improvement to be done at the Kalauao Wells.

Based on your submitted material, the Safe Drinking Water Branch has no objections to the improvements.

Very truly yours,

A handwritten signature in black ink, appearing to read "John C. Lewin", written over a horizontal line.

JOHN C. LEWIN, M.D.
Director of Health

JOHN WAIHEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 621
HONOLULU, HAWAII 96809

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

DEPUTIES

KEITH W. AHUE
MANABU TAGOMORI
RUSSELL N. FUKUMOTO

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

REF:OCEA-CT

File: 90-780
Doc.: 8641E

JUL 27 1990

Mr. Donald H. Chung, President
DHC Hawaii Corporation
1236 Elizabeth Street
Honolulu, Hawaii 96816-3844

Dear Mr. Chung:

SUBJECT: Environmental Assessment for Kalauao Wells:
Roadway to Well Heads
Kalauao, Oahu, Hawaii

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.

No archaeological surveys have taken place in the project area, so it is uncertain if significant historic sites are present. As a result of extensive grading for the Pearl County Golf Course, it is unlikely that significant sites are present on the subject parcel. Therefore, we believe that there will be "no effect" to significant historic sites as a result of this project.

If historic remains such as artifacts, shell or charcoal deposits, and burial, are found during construction, please direct the applicant to stop work in the immediate area and contact the Historic Preservation Program at 548-7460 immediately. Our office will assess the situation and make recommendations for mitigative action, if needed.

Additionally, a fire contingency plan is required by our Division of Forestry and Wildlife. Also, to minimize erosion problems to adjacent slope areas, we recommend that exposed graded areas be planted immediately after the construction of the roadway.

Mr. Donald H. Chung

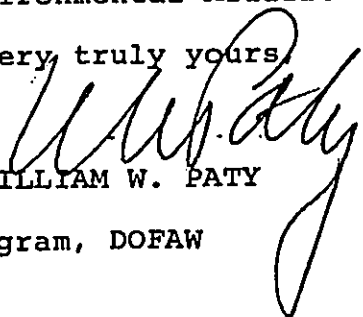
- 2 -

File: 90-780

Finally, due to the proximity of the proposed project to the Conservation District, you may want to verify with the State Land Use Commission that the project is, indeed, outside of the Conservation District. In the event the proposed project involves lands within the Conservation District, then a Conservation District Use Permit is required.

If you have any questions, please call me or Cathy Tilton at our Office of Conservation and Environmental Affairs at 548-7837.

Very truly yours,



WILLIAM W. PATY

cc: Historic Preservation Program, DOFAW



United States Department of the Interior

FISH AND WILDLIFE SERVICE
PACIFIC ISLANDS OFFICE

P.O. BOX 50187
HONOLULU, HAWAII 96850

AUG 11 1990

Mr. Donald H. Chung
President
DHC Hawaii Corporation
1236 Elizabeth Street
Honolulu, Hawaii 96816-3844

Dear Mr. Chung:

Re: Environmental Assessment for Kalauao Wells, Roadway to Well Heads
Kalauao, Oahu, Hawaii

Due to current staff limitations, the Pacific Islands Office, Fish and Wildlife Enhancement cannot devote the time to adequately evaluate potential impacts to important fish and wildlife resources from the proposed project. Please understand that this notification does not represent the Fish and Wildlife Service's approval of the proposed activity. We may review future actions related to this project should workload constraints be alleviated, or if significant adverse impacts to trustee fish and wildlife resources are identified.

Sincerely yours,

Ernest Kosaka
Field Supervisor
Fish and Wildlife Enhancement