August 2, 1990

Dr. Bruce Anderson, 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 Ala Wai Boulevard 16-Inch Main,
Waikiki, Oahu, Hawaii, TMK: 2-6-24, 25, 28 and 29

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 questions, please contact Bert Kuoka at 527-5235.

Very truly yours,

KAZU HAYASHIDA
Manager and Chief Engineer

Attachment
BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

NOTICE OF DETERMINATION
(NEGATIVE DECLARATION)

FOR

ALAE WAI BOULEVARD 16-INCH WATER MAIN
WAIIKIKI, OAHU, HAWAII

TAX MAP KEY: 2-6-24, 25, 28 AND 29

This Environmental Document is submitted pursuant to
Chapter 343, HRS

PREPARED BY

RICHARD M. SATO & ASSOCIATES, INC.
2046 South King Street
Honolulu, Hawaii 96826

July 1990
ENVIRONMENTAL ASSESSMENT
AND DETERMINATION

I. PROPOSING AGENCY

Board of Water Supply
City and County of Honolulu
830 South Beretania Street
Honolulu, Hawaii 96813

II. DESCRIPTION OF THE PROPOSED ACTION

A. Location

The proposed action is located in the community of Waikiki on the south shore of Oahu (Plate A). It begins from Kapiolani Avenue, along Ala Wai Boulevard, to Kapahulu Avenue (Plates B-1 through B-6).

B. Proposed Action

The scope of the proposed action is to replace the existing 12-inch water distribution main along Ala Wai Boulevard. Portions of the existing 12-inch main (to be abandoned) will be cut and plugged. All necessary connections to existing mains, and reconnection and installation of fire hydrants are included in this project.

The new 16-inch main will replace the existing 12-inch main, which was constructed approximately 55 years ago. Approximately 2,600 linear feet of 16-inch and 850 linear feet of 8-inch water mains will be installed.

-1-
Proposed pipe material will be concrete cylinder, PVC or poly
wrapped Ductile Iron Pipe. PVC and Ductile Iron pipes will be the
alternatives for the 8-inch mains.

Preliminary construction cost estimate for the project is
$850,000.00.

III. DESCRIPTION OF PROJECT'S TECHNICAL, ECONOMIC, SOCIAL AND ENVIRONMENTAL
CHARACTERISTICS
A. Technical Characteristics

The new water mains shall be located within the Ala Wai
Boulevard right-of-way. Existing mains to be abandoned shall be
cut and plugged. All necessary connections to existing mains
shall be made, including reconnection and installation of fire
hydrants.

The existing pavement shall be restored to its original condi-
tion or better.

The existing drainage culverts shall remain, and the drainage
patterns shall not be altered.

The existing utility poles shall remain.
The Contractor will be required to coordinate his work with all maintenance, repair work, or new construction by other utility agencies which will conflict with or affect this project.

B. Social, Economic and Environmental Characteristics

The proposed action will replace existing fire hydrants, and install additional fire hydrants, which will upgrade the existing fire protection system. The existing drainage patterns will not be altered. The installation of the new water mains will reduce the possibility of future water main breaks, which will also minimize water service interruptions to the people. Finally, the project will strengthen the existing water distribution grid in the Waikiki area.

IV. SUMMARY DESCRIPTION OF THE AFFECTED AREA

The project area is along Ala Wai Boulevard, from Kapiolani Avenue to Kapahulu Avenue (approximately 2,600 linear feet of roadway). The neighborhood is mostly high density residential in character. There are a few commercial establishments along the project area.

The project is outside the Shoreline Management Area of the City and County of Honolulu.
Along the project site, no endangered native flora and fauna were observed or known to inhabit the site. All of the flora are exotic species. Fauna consist of domesticated dogs and cats and other common "urban" species of animal and bird life.

There are no known historical or archaeological sites within the already well built-up project area. However, should any sites be encountered, the Historic Preservation Office of Department of Land and Natural Resources will be notified immediately and all work will be suspended.

V. DISCUSSION OF THE ASSESSMENT PROCESS

The proposed improvements will be constructed by the Board of Water Supply, City and County of Honolulu. The construction drawings will be submitted for approval to the appropriate State and City agencies, and all comments received will be incorporated into the final drawings.

VI. ANTICIPATED ENVIRONMENTAL IMPACTS

The proposed project will cause temporary adverse environmental impacts, but will not cause significant long term impacts. Excavation of the road will interfere with local traffic and excavated soil materials will have to be stockpiled. The excavation will require the use
of heavy machinery and equipment as well as pneumatic impact equipment. Noise and dust problems will result from the use of these equipment. Internal combustion engines will emit noise, heat and noxious gases, thus lowering the ambient air quality.

Exavation of the roadway area will create hazards to pedestrians and vehicular traffic.

During the disconnecting and connecting of the old and new waterlines as well as the laterals and fire hydrants, there will be temporary disruptions to water service. The Contractor will be required to minimize these interruptions and to keep them as short as possible. All users will be informed prior to the interruptions.

VII. MEASURES TO MITIGATE ANTICIPATED ENVIRONMENTAL IMPACTS

Dust generated by construction activities will be controlled by watering, or other dust control measures, in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health. Hazardous road conditions created by trenching and installation of pipeline will be minimized by appropriate warning lights, signs, barricades, bridges and other traffic control devices. Construction noise can be mitigated by mufflers and by limiting construction to daylight hours from 7:00 a.m. to 3:30 p.m., Monday through Friday. The Contractor will comply with the Community Noise Control Regulations for Oahu (Chapter 44-B) Department of Health.
VIII. ALTERNATIVE TO THE PROPOSED ACTION

The no action alternative which provides for no changes to the existing water main was rejected. The existing water main is about 55 years old and it has experienced 9 breaks in the last 9 years (7 breaks within the last 5 years alone). During these breaks, the deteriorated main required emergency repairs and caused unnecessary wastage of water.

IX. DETERMINATION

The study of the project, the project site and the resulting environmental impacts indicate that the proposed project will not result in any significant long-term adverse environmental impacts. Based on these findings, it is determined that this action be a Negative Declaration to comply with regulations in Chapter 343, HRS, and that an Environmental Impact Statement is not required.
PROPOSED ALIGNMENT FOR ALA WAI BLVD 16" WATER MAIN
PLATE B-1
IGMENT
BLVD
IN

TOPOGRAPHIC SURVEY MAP
ALA WAI BOULEVARD - 15 INCH WATER MAIN
WAIKIKI, HONOLULU, OAHU, HAWAII

Map Key: 2 - G - 31, M, E, 26 & 20

Scale: 100' = 1"-0"
Job No. 92043
May 1, 1990
PB 924 & 925

CONTROL POINT SURVEYING AND ENGINEERING, INC.
343 KEAHOA RD
HONOLULU, HAWAII 96824

ALDEN K. KAHAMA
Licensed Land Surveyor
Certificate Number 365-94B
PROPOSED ALIGNMENT FOR ALA WAI BLVD
10" WATER MAIN
PLATE B-2
PROPOSED ALIGNMENT FOR ALA WAI BLVD 16" WATER MAIN
PLATE B-4
PROPOSED ALIGNMENT FOR ALA WAI BLVD 16" WATER MAIN

PLATE B-6

TOPOGRAPHIC SURVEY MAP
ALA WAI BOULEVARD - 16 INCH WATER MAIN
NATIKI, HONOLULU, OAHU, HAWAII

TAX MAP KEY 2-6-81, 26, 26, 2691 16
D-7-50

SCALE: 1/10" = 1'-0"
JOB NO. D9040

MAY 4, 1990
P.O. 3389 9663

Drain Lines taken from C&G Drainage maps
D-7-50 and 16
Gas Line taken from OAHU INC maps
D-4-81, 2-6-81 and 2-6-90
Water Line taken by Board of Water Supply personnel.

CONTROLPOINT SURVEYING AND ENGINEERING, INC.

ALOA & MAJURO

ALOE & MAJURO

AMERICAN SURVEYING CORPORATION

HONOLULU, HAWAII 96814
PROPOSED ALIGNMENT
FOR ALA WAI BLVD
16" WATER MAIN
PLATE B-G