

JOHN WAIHEE  
GOVERNOR OF HAWAII



STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES  
DIVISION OF LAND MANAGEMENT

P.O. BOX 621  
HONOLULU, HAWAII 96809

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OFF. OF ENVIRONMENTAL  
QUALITY-91-771

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 RESOURCES MANAGEMENT

Mr. Brian Choy  
Director  
Office of Environmental Quality  
Control  
220 South King Street  
Central Pacific Plaza, 4th Floor  
Honolulu, HI 96813

Dear Mr. Choy:

Subject: Environmental Assessment/Negative Declaration for  
Proposed Issuance of a Non-Exclusive Easement for  
Seawall and Landscape Purposes of State-owned Land  
Located at Kaneohe Bay, Koolaupoko, Oahu, TMK: 4-5-  
104:Seaward of 27. Mr. and Mrs. Ernest Baptist,  
Applicants

Attached for your review and publication in the next OEQC  
bulletin is Environmental Assessment and Negative Declaration for  
the proposed use of State land. We will be submitting to the Board  
of Land and Natural Resources a request to authorize issuance of a  
non-exclusive easement to Mr. and Mrs. Ernest Baptist.

Should you have any questions, please contact Nicholas Vaccaro  
at 587-0433.

Very truly yours,

A handwritten signature in cursive script that reads "W. Mason Young".

W. MASON YOUNG  
Land Management Administrator

Att.  
cc: Ms. S. Himeno  
Mr. T. C. Yim

1992-04-08-OA-PEA-Baptist Existing Seawall

UWE H. H. SCHULZ AND ASSOCIATES, INC.

APR

8 1992  
ARCHITECT A.I.A.

ENVIRONMENTAL ASSESSMENT

FOR

AN EXISTING SEAWALL

AT KANEOHE BAY, KANEOHE, OAHU, HAWAII

TAX MAP KEY: 4-5-104: 27

FOR:

MR. AND MRS. BAPTIST

45-233 KANEOHE BAY DRIVE

KANEOHE, HI 96744

PREPARED BY:

UWE H.H. SCHULZ & ASSOCIATES, INC.

1022 FRONT STREET

LAHAINA, HI 96761

JANUARY 1992

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EXISTING EROSION CONTROL WALL  
KANEHOHE, KANEHOHE, OAHU, HAWAII  
ENVIRONMENTAL ASSESSMENT

I. APPROVING AGENCIES:

The applicant will have to obtain the following approvals for the existing wall:

State of Hawaii:

1. Office of Conservation and Environmental Affairs.  
Department of Land and Natural Resources.

II. DESCRIPTION OF PROPOSED PROJECT:

Mr. and Mrs. Baptist are proposing to leave an existing erosion control wall along the seaward boundary of their residential property in place.

III. DESCRIPTION OF THE AFFECTED ENVIRONMENT:

A. Description of the Property:

The proposed site is approximately 127 feet deep and 76 feet wide. The area of the site is 9,652 sq. ft.

The site is directly adjacent to Likeke Place. The land generally slopes from south to north with slopes of 10 to 12 percent and with an average slope of 10 percent.

B. Rainfall and Climate:

The climate in the Kaneohe area is generally mild.

Average rainfall is between 30 to 45 inches annually.

The annual temperature is between 75 degrees and 85 degrees Fahrenheit. August and September are the warmest months of the year, while the months of January, February and March are the coldest.

The prevailing wind throughout the year is the northeast tradewinds which blow at velocities of 5 to 20 miles per hour. The strongest, most damaging winds which generally accompany winter storms, usually are from the south.

C. Soil Conditions:

The soil of the site is classified as Kaneohe Silty Clay with ground slopes of 10 to 12 percent and 7 to 15 percent rapid permeability and slight erosion hazard.

In a representative profile the surface layer is dark reddish-brown silty clay about 14 inches thick. The subsoil is dark, reddish-brown silty clay, about 50 inches thick, that has subangular blocky structure. The substratum is soft weathered, basic igneous rock. The soils are strongly acid and very strongly acid in the surface layer, strongly acid in the upper part of the subsoil and neutral in the lower part.

The natural vegetation usually found on this type of soils consist of monkeypod, kukui nut and banyan trees.

D. Drainage:

Storm runoff from the project site flows into the ocean.

E. Flood and Tsunami:

The proposed project is located outside the potential tsunami inundation area. The site is located in an area designated as Zone "C". Zone "C" is designated by the U.S. Army Corps of Engineers as an area of minimal flooding.

F. State Land Use and Zoning:

The property is located within the urban district as designated by the Land Use Commission of the State of Hawaii.

G. County General Plan and Zoning:

The proposed project site is designated on the County's Kaneohe General Plan and the Oahues Zoning as residential. The site is designated as single family residential on the Oahu Community Plan.

H. Existing Land Use:

The property is being used for a single family residence.

I. Adjacent Land Use:

The adjacent properties are residences.

J. Historic and Archaeological Features:

There is no evidence of any historical, archaeological or cultural remnants, artifacts or sites

on the project site.

K. Plant Life:

There is no indication of any rare or endangered plants or habitats associated with the property. The residence is fully landscaped with ground cover, shrubs and mature trees.

L. Animal Life:

There are no rare endangered species of animal or bird life in the proposed project site or in the general vicinity of the site.

M. Water:

An existing 8" waterline runs along Likeke Place.

N. Sewer:

An existing sewerline runs along the seaward boundary. This existing system is part of the Kaneohe sewerage system. Sewerage from this system flows to the Kaneohe Treatment Plant.

O. Solid Waste:

The County of Oahu provides weekly refuse pickup in the area. Persons who do not subscribe to this service are responsible for their private disposal of waste. Private refuse pickup is available on Oahu primarily for commercial areas which require more frequent or specialized pickup.

P. Telephone and Electrical:

Telephone and electrical services are currently

available along Likeke Place.

Q. Public Facilities:

1. Schools - Public school serving the area is Castle High School.
2. Fire Protection - A fully manned County fire station is located in Kaneohe town approximately three (3) miles away.
3. Police Protection - The police station is also located in Kaneohe town approximately three (3) miles away.

IV. PROBABLE IMPACT OF PROJECT ON THE ENVIRONMENT:

A. Primary Impacts With The Wall In Place:

Because this wall was constructed across all the residential lots of this subdivision in 1947, no impact is expected in the year 1992. A possible impact, if any, would have occurred shortly after the construction of this wall in 1947. 45 years later the environment appears very stable.

B. Primary Impact With The Wall Removed:

*Alternative*  
If the existing wall is removed, fronting lot #3 only, it will have a negative impact on the immediately adjacent properties, where the wall will remain. Erosion of the shoreline due to swirling wave action will erode the properties to the east and west of the subject property. Undermining of the existing wall fronting the neighboring properties will also occur.

C. Soil Erosion:

Soil erosion will not occur because the property is fully landscaped and the seawall has existed since 1947.

D. Anticipated Long-Term Impacts:

1. Physical Impacts:

- a. Grading - No grading will take place.
- b. Drainage - The existing wall will not alter the existing drainage pattern.
- c. Air Quality - No change will occur.
- d. Water Quality - No change in water quality is anticipated as a result of this existing wall.
- e. Public Utilities - Not applicable.
- f. Solid Waste - Not applicable.
- g. Traffic - Not applicable.
- h. Solid Waste - Not applicable.
- i. Noise - Not applicable.
- j. Aesthetics - The existing wall will blend with the already existing walls of the adjacent properties.

2. Biological Impacts:

Not applicable.

3. Cultural Impacts:

Not applicable.

E. Secondary Impacts:

1. Anticipated Short-Term Impacts:

The existing development will have no short term impact.

2. Anticipated Long-Term Impacts:

Erosion would occur if the 45 year old wall would be removed.

V. ALTERNATIVES:

The removal of the existing wall would cause erosion of the neighboring properties .

VI. MITIGATION MEASURES:

Do not need to be implemented for this existing wall.

EXHIBIT I

