

APR 25 1975

TO: The Honorable Hideo Murakami
Department of Accounting and General Services

FROM: Governor George R. Ariyoshi

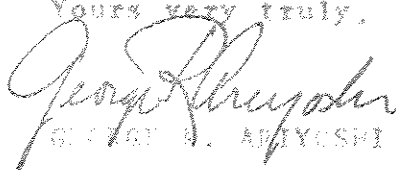
SUBJECT: Final Environmental Impact Statement for Waipahu Uka
Elementary School

Based upon the recommendation of the Office of Environmental Quality Control, I am pleased to accept the subject document as satisfactory fulfillment of the requirements of Chapter 343, Hawaii Revised Statutes and the Executive Order of August 23, 1971. This environmental impact statement will be a useful tool in the process of deciding whether or not the action described therein should or should not be allowed to proceed. My acceptance of the statement is an affirmation of the adequacy of that statement under the applicable laws, and does not constitute an endorsement of the proposed action.

When you make your decision regarding the proposed action itself, I hope you will weigh carefully whether the societal benefits justify the environmental impacts which will likely occur. These impacts are adequately described in the statement, and, together with the comments made by reviewers, will provide you with a useful analysis of alternatives to the proposed action.

With warm personal regards, I remain,

Yours very truly,


GEORGE R. ARIYOSHI

cc. Director, DEQ
Chairman, IEC

6/1 Newsletter

file copy

Office of Environmental Quality Control
Office of the Governor
550 Halekauwila Street
Tani Office Building, Third Floor
Honolulu, Hawaii 96813

ENVIRONMENTAL IMPACT STATEMENT
FOR THE PROPOSED
WAIPAHU UKA ELEMENTARY SCHOOL

PREPARED BY
PLANNING BRANCH

DIVISION OF PUBLIC WORKS
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
MARCH 1975

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ENVIRONMENTAL IMPACT STATEMENT
FOR THE PROPOSED
WAIPAHU UKA ELEMENTARY SCHOOL

PROJECT DESCRIPTION AND NEED

A. Introduction

1. Purpose

This Environmental Impact Statement is prepared for the proposed Waipahu Uka Elementary School site. The purpose of this Environmental Impact Statement is to expose all of the environmental effects related to development of the school site. It is prepared in accordance with DAGS publication, "A Manual Covering Monitoring, Evaluating and Control System for the Preservation of the Environment". The manual is generally based on the Office of Environmental Quality Control's publication, "Manual for the Preparation and Processing of Environmental Impact Statements", dated October 4, 1972.

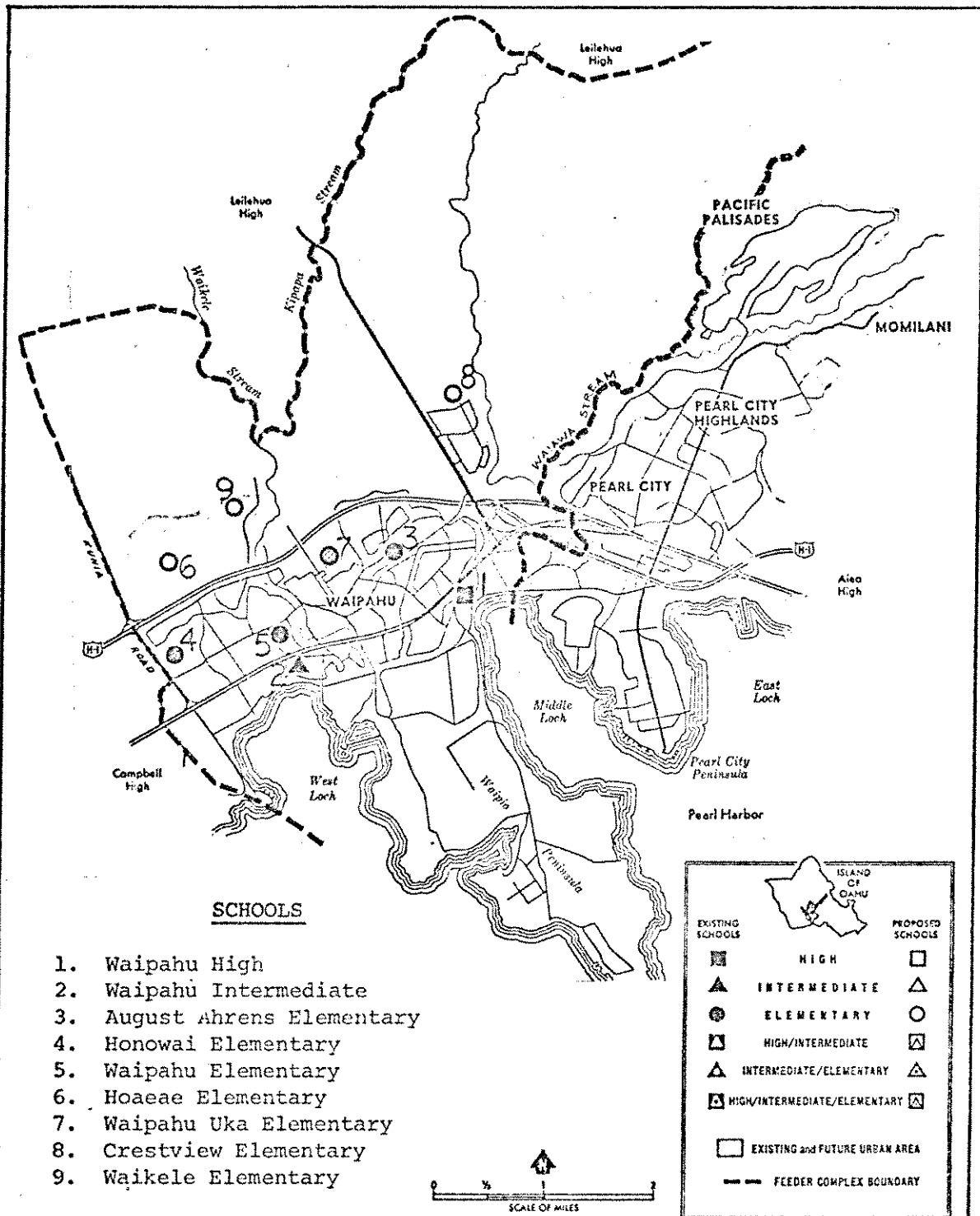
2. Appropriations

In the 1974-1975 fiscal year of the 1973-1975 Biennium Budget, \$505,000 was appropriated for land acquisition and masterplanning of this school. An additional \$803,000 was appropriated for sitework, planning and construction of 16 classrooms, temporary facilities for administration, serving kitchen, and library.

B. Background and Need

1. Background

The "Preliminary Long Range Plan for New School Sites in Hawaii" published January 1971 by the Department of Education listed three new elementary schools for the Waipahu area. They were Hoaeae, Crestview and Waikele which were tentatively located as shown in Figure 1 and scheduled to open in September 1973, 1975 and 1976 respectively. The site for Hoaeae Elementary has been selected generally as shown in Figure 1 and the land is being acquired by the State through condemnation proceedings. Due to various delays, the school is now



SOURCE: Department of Education

FIGURE 1 **WAIPAHU HIGH FEEDER COMPLEX**

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scheduled to open in September 1981. The students projected for this school are planned to be accommodated by Honowai Elementary until Hoaeae Elementary opens. Since Waikele Elementary will also serve the Village Park development, its opening date has been pushed back beyond 1981.

In July 1972, the Department of Education deferred the opening of the proposed Crestview Elementary School indefinitely due to the estimated high site development cost, relatively small projected enrollment, and the uncertainty of further residential development in the Crestview area. Subsequently, the "State of Hawaii Comprehensive Open Space Plan" prepared for the Department of Planning and Economic Development by the Overview Corporation in 1972, recommended that development be prevented in the area immediately north of Crestview and Waipahu to preserve open space. Additionally, the "Central Oahu Planning Study - A Summary Report" published by the Department of Planning and Economic Development in October 1972, recommended that no additional land be added to the urban land use district in Central Oahu pending completion of the State Land Use District 5-Year Boundary Review in 1974. The State Land Use Commission has completed this boundary review study in 1975 and has rezoned a large tract of land mauka of Crestview from agriculture to urban.

2. Need

Oahu Sugar Co., Ltd. has amended the County General Plan for the area between the Waipahu Sugar Mill and the H-1 Freeway for a proposed residential development and is already developing part of their overall plan as indicated in the following section on selection of alternative sites. The enrollment projected from this development will greatly exceed the capabilities of August Ahrens, Waipahu, and Honowai Elementary Schools to handle the additional enrollment. August Ahrens Elementary already has an enrollment of approximately 2,000 students. Enrollments at Honowai Elementary (858) and Waipahu Elementary (968) require the full utilization of the existing permanent facilities. Waipahu Uka Elementary is therefore needed to serve the proposed development of Oahu Sugar Co., Ltd. and to help relieve the overcrowded condition at August Ahrens Elementary by accommodating the students from Crestview.

3. School/Park Complex

This will be a school/park complex with approximately 6 acres for the school and 4 acres for the park. However, since the park will serve the school and must be provided by the school if the County does not, the total school/park site is discussed and evaluated herein as a school site. Selection of the school/park site has been coordinated with the County Department of Parks and Recreation.

4. Waipahu Feeder Complex

A feeder complex is an organization of schools composed of a high school and the intermediate and elementary schools feeding into the high school. The Waipahu Feeder Complex shown in Figure 2 serves the Waipahu area shown in Figure 1.

5. Service Area

The proposed service area for Waipahu Uka Elementary shown in Figure 3 includes the Crestview and Seaview subdivisions and the area being developed by Amfac, Inc. between the sugar mill and H-1 freeway in Waipahu.

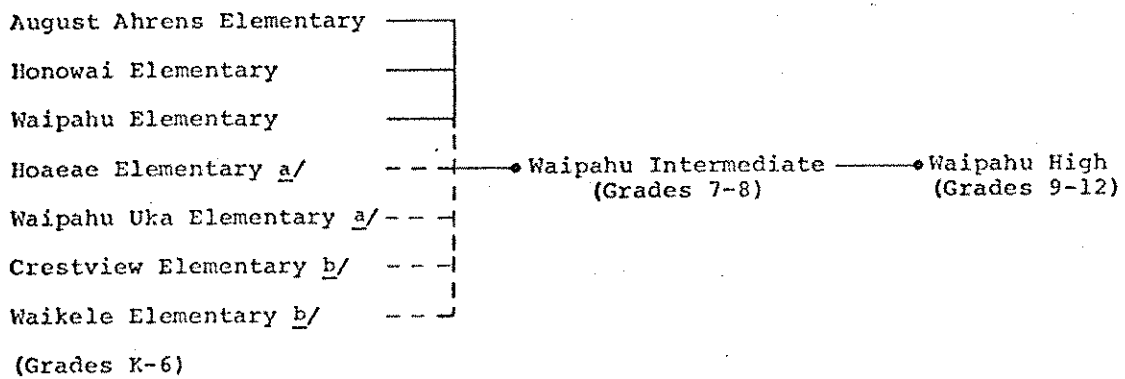
The Crestview and Seaview subdivisions are presently made up entirely of single-family homes. However, some multi-family units are being planned for the Crestview area.

The Amfac area consists of plantation housing and sugar cane fields. In their development plans for this area, Amfac intends to cease sugar cane cultivation and replace the existing plantation housing with single-family units and apartments.

6. Enrollment

The school is scheduled to open in September 1981 and will serve students in grades kindergarten to six. It will be designed for an ultimate enrollment of 700 students based on the following enrollment projections:

| | | | |
|-----------------|-------------|-------------|-------------|
| School Year | <u>1981</u> | <u>1985</u> | <u>1990</u> |
| No. of Students | 300 | 850 | 700 |



a/ Opening date scheduled for 1981.
b/ Opening date undetermined.

SOURCE: Preliminary Long Range Plan for New School Sites
 in Hawaii, Department of Education, State of
 Hawaii, January 1971.

FIGURE 2

WAIPAHU FEEDER COMPLEX

STATE OF HAWAII

DEPT. OF ACCOUNTING & GENERAL SERVICES

DIVISION OF PUBLIC WORKS

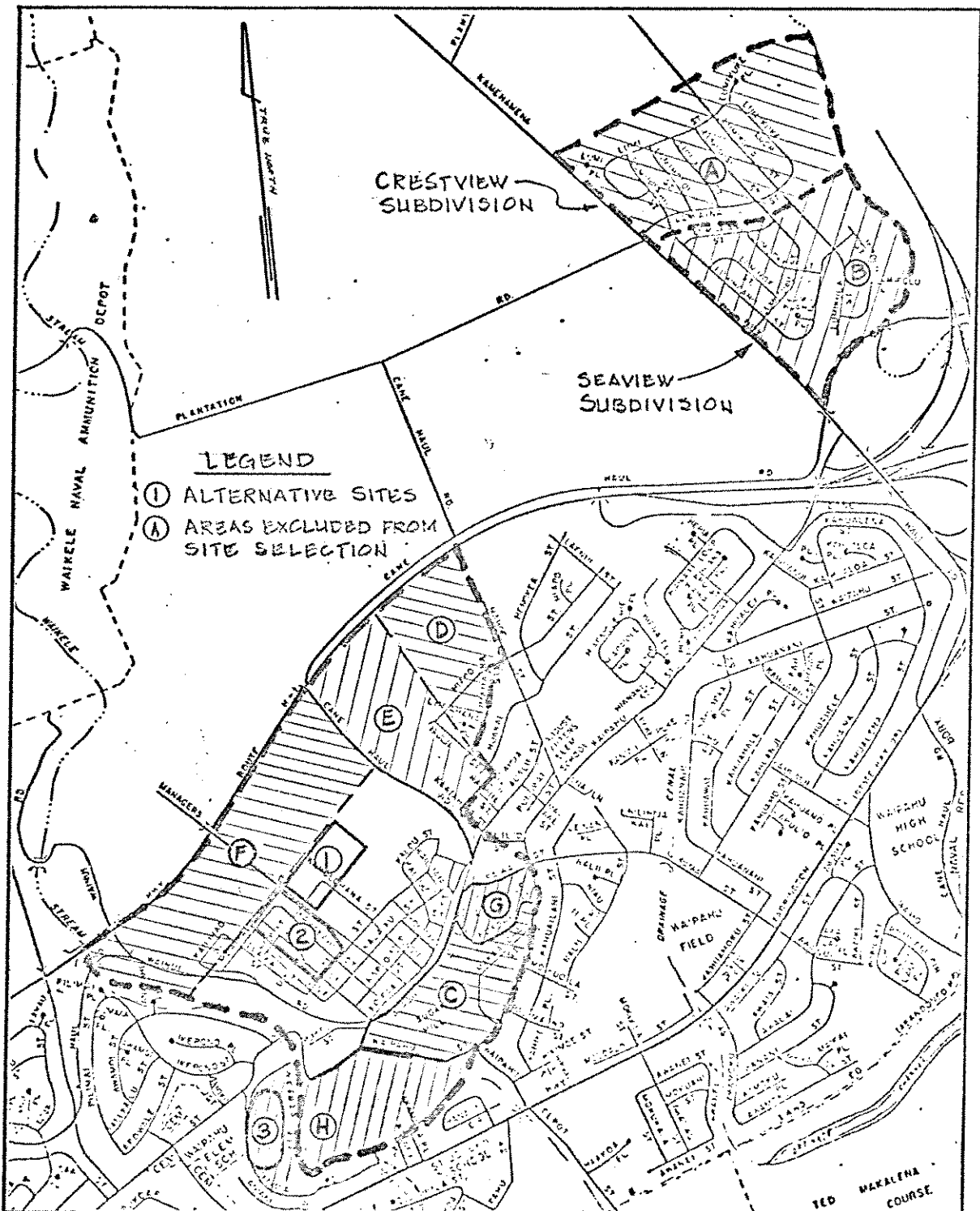
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C. Alternative and Recommended Sites

1. Selection of Alternative Sites

The three alternative sites considered in the site selection study are shown in Figure 4. The first two sites were selected by following a process of eliminating areas not suitable for a school and then choosing sites from the remaining areas. The unsuitable areas were eliminated as follows:

- a. All areas not within or immediately adjacent to the service area shown in Figure 3 were deleted from consideration.
- b. All areas outside the State Land Use Urban District were deleted from consideration. This eliminated all areas around Crestview and Seaview and the area north of the main service area.
- c. All areas presently developed and not scheduled for demolition were deleted. This eliminated Areas A and B in Figure 4 since Crestview and Seaview are almost completely developed and fairly new. It also eliminated Area C which is the existing sugar mill area.
- d. All areas being developed or planned for development in the near future were deleted. This eliminated Areas D and E because they are under construction and design, respectively.
- e. Area F along the H-1 Highway and Cane Haul Road was deleted because of highway noises. Preliminary indications are that the noise level in Area F will exceed the Department of Education's proposed noise level standard. A school in this area may require an additional \$200,000 for acoustical control and a higher operating cost.
- f. Area G, the existing County Hans L'Orange Park, was eliminated because of the need for parks in Waipahu, its location on the edge of the service area and its closeness to Ahrens Elementary.
- g. Area H was eliminated because of its location in a flood plain.



LEGEND
 (1) ALTERNATIVE SITES
 (A) AREAS EXCLUDED FROM SITE SELECTION

FIGURE 4

ALTERNATIVE SITES

| | | |
|--------------------------|---|--|
| STATE OF HAWAII | • | DEPT. OF ACCOUNTING & GENERAL SERVICES |
| DIVISION OF PUBLIC WORKS | ○ | PLANNING BRANCH |

Two alternative sites were selected from the remaining areas by using the following criteria:

- a. The school site must front on a roadway with a minimum right-of-way of 56 feet to meet County Department of Transportation Services standards.
- b. The park site adjacent to the school should front on two or more streets preferably at an intersection as desired by the County Department of Parks and Recreation.
- c. The school site should not be close to a major road intersection.

The third site is shown as Alternative Site 3 in Figure 4. It was suggested by the developer as a possible site but was dropped from further consideration for the following reasons:

- a. It is outside the school service area.
- b. It is separated from the service area by Waikele Stream.
- c. It is located in a flood hazard area.

2. Recommended Site

After the two alternative sites were evaluated against the site evaluation criteria, Alternative Site 1 was recommended as the site for Waipahu Uka Elementary School. The analysis and recommendation portions of the site selection study are shown in Appendix A of this impact statement.

Pertinent site data on Alternative Site 1 are listed below:

- a. Tax Map Key: 9-4-02:portion 24
- b. State Land Use District: Urban
- c. Present City and County General Plan: School and Park use
- d. City and County Zoning: R-6

- e. Existing Use: Sugar cane cultivation
- f. Size: 10 acres
- g. Elevation: 110 feet to 120 feet
- h. Slope: 1%
- i. Soil: University of Hawaii Land Study Bureau Urban Land Classification Soil Character Code for the site is I4L; non-expanding soil, non-rocky, surface well-drained with a depth of over 15 feet to consolidated lava.

D. Facilities

The facilities to be provided at this school will conform to the "Educational Specifications, Policies, and Design Standards for the Public Schools of Hawaii", adopted by the State Board of Education in January 1974. The buildings will probably consist of one-story administration, library, and cafeteria buildings and two-story classroom buildings. Also, included will be a paved parking lot. The paved playcourts and grassed play areas will be provided by the adjacent park.

IMPACT OF PROJECT

A. Social

1. Benefits

Benefits to the surrounding community will be the educational opportunities offered by the school, the open space of the park's grassed areas, and the shorter traveling distances for students attending school. Also, the school's classroom and multi-purpose dining room will be available for community use after school hours. The school and park as a whole will be a definite asset to the community.

2. Public Safety

The site is not located in a major flood plain or within a known or potential landslide area. The site is not in a hazardous area from the standpoint of pedestrian and traffic safety. It can be used as an evacuation center during emergencies.

3. Neighborhood Character

The design of the school facilities will consider the surrounding neighborhood character to minimize distraction and to provide an aesthetically pleasing school campus.

4. Community Institutions

The site is not located near any hospitals, rest homes or other institutions which may be disturbed by large groups of students.

5. Attractive Nuisances

The site is not located near any commercial enterprises (bowling alleys, pool halls, stores, theaters, etc.) that may attract students during school hours.

6. Relocation

The site is now being used for growing sugar cane except for a small portion of the park site which has about five plantation houses. As mentioned previously, Amfac, Inc. is planning to terminate sugar cane operations in the area and relocate all of the residents in the plantation camp as part of their development plans. Based on present schedules, the school will be developed after Amfac, Inc. has made substantial progress in their development plans. Relocation of families, farms, or businesses will therefore not be required for the school and park.

B. Economic

1. Tax Base

The site will remove approximately 10 acres of R-6 land which produces approximately \$3,200/year in property tax. The general area containing the site is presently planted in sugar cane. However, Amfac, Inc. intends to start subdivision development in this area.

2. Employment

The establishment of a school will provide employment initially during construction and subsequently when the

school is operated and maintained.

3. Project Cost

The estimated total cost of the school is about \$3,500,000 based on 1973 prices. The actual development cost of the school will depend upon the rate of enrollment growth and the type of facilities provided. A master plan will be prepared for this school.

C. Environmental

1. Physical

- a. Grading - The site is generally flat with the majority of the site being about 1% slope. Grading will be necessary to permit the construction of a playground and for the placement of buildings. A master plan will be developed to minimize grading work and to integrate the facilities within the natural topography of the site. The exact quantities of cut and fill will be determined during the planning and design phase of the project and all grading work will be in accordance with applicable County ordinances.
- b. Drainage - The drainage system to serve the school site is proposed for completion in 1976. The runoff collected by this drainage system will be discharged into a drainage canal which empties into Pearl Harbor. The construction of buildings and pavement for the school development will probably increase the total amount of runoff by decreasing the available percolation area. However, this will be offset by increased percolation on the landscaped areas. Therefore, the anticipated increase in runoff, if any, is not expected to create adverse drainage or erosion problems based on the following conditions:
 - 1) The school site will be landscaped with more vegetation than the existing site in terms of lawn areas, shrubs, and trees which will absorb water and retain the soil.
 - 2) The soil is classified as well-drained by the University of Hawaii Land Study Bureau.

- 3) The site will be graded as necessary utilizing slopes and swales to provide adequate drainage.
 - 4) Storm drains, catch basins, curbs, and gutters will be provided to accommodate flow concentrations and prevent flooding and erosion.
- c. Air Quality - The school development is not expected to have any significant impact on air quality except during the initial construction phases. Some dust and noise may be expected during construction. However, these temporary nuisances will be minimized by strict enforcement of the following:
- 1) Department of Health's Public Health Regulations, Chapter 43 - Air Pollution Control and Chapter 44A - Vehicular Noise Control for Oahu.
 - 2) Department of Accounting and General Services Specifications - Section 1G - Environmental Protection and Section 2C - Grass Planting.

The DAGS specifications are contained in Appendix B.

The specific pollution control measures to be applied will depend upon the actual field conditions encountered and will be specified during the design and construction phases.

Emissions from the sugar mill should not affect the school since the mill is located generally downwind of the school site. Except for the cane haul road and the mill, Amfac, Inc. plans to cease all sugar cane operations within the school service area.

- d. Water Quality - The water quality of the Waipahu area will not be adversely affected by the school development. The school will not discharge any pollutants except for sewage. Adequate sewer service is being developed to meet the interim and ultimate needs of the school.

The existing Waipahu sewerage system consists of a sewage pump station and recently improved oxidation ponds that discharge its effluent into Pearl Harbor. The City and County recently was granted a permit by

the State Department of Health to operate the oxidation ponds up to a maximum flow rate of 3.6 million gallons per day provided the waste load remains at the level of the former maximum flow rate of 2.9 million gallons per day.

Ultimately, the sewage generated in Waipahu will be treated at the proposed Honouliuli sewage treatment plant in Ewa which is scheduled for completion around 1979.

- e. Public Utilities - There will be adequate utilities to serve the proposed school site. Electrical and telephone lines and a 12-inch water main will be available along the street fronting the school site. The developer has taken this school site into consideration in developing the master plan for this area.
- f. Traffic - The school development will naturally result in some increase in traffic on the roadways leading to the school. As in any other school, the peak traffic hours for this school will occur before school starts in the morning and after school closes in the afternoon. The traffic around the school will be at its maximum during the morning hours due to the following factors:
 - 1) Parents will be dropping off students and will either return home or go to work.
 - 2) Other residents will be going to work.
 - 3) The school's faculty and staff will be arriving.
 - 4) School buses will be dropping off students.
 - 5) In the afternoon when school closes, most working parents and other residents will still be at work and the faculty and staff usually leave after most of the students have left.

The school development will include adequate parking, turn-around, and loading zones to provide smooth and safe vehicular flow on campus. The site will be planned to minimize crossing

of pedestrian and vehicular traffic.

- g. Solid Waste - All solid wastes generated during the site preparation and construction phase of the project will be removed and disposed of by the Contractor in accordance with DAGS Pollution Control Requirements in Appendix B. Solid wastes generated by the maintenance and operation of the school will be properly stored in large trash bins and removed regularly by commercial firms under contract with the State for disposal at an approved site. No open burning of trash will be permitted on the school site.
- h. Noise - The school operation is not expected to create excessive noise pollution on the surrounding environment. The site will be bounded on two sides by roadways and on the other two sides by residential lots. Possible noise sources from the school include students, serving kitchen operations, mowing of lawns, automobiles, and delivery trucks. These minor disturbances will be periodic and well within the limits of human tolerance.
- i. Aesthetics - The school development should not create adverse visual effects. The facilities will consist of one or two-story buildings designed for natural ventilation and to blend in with the surroundings. Landscaping in terms of trees, shrubs, and grassed areas will enhance the appearance of the school site.
- j. Historical Site - Since the entire site has been used previously for plantation housing and cultivation of sugar cane, it can be assumed that there are no objects of any historical significance existing on the site.
- k. State Land Use and City and County DLUM - The site is within the State Land Use Urban District and is designated for school and park use on the County DLUM.
- l. Parks - The State Department of Accounting and General Services has been working with the City and County Department of Parks and Recreation in selecting sites for school-park complexes.

Where agreement on the location of a school-park complex is made, the State acquires approximately six acres of land for the school and the City acquires approximately four acres for the park to provide a combined ten-acre complex.

The City has expressed an interest in providing a four-acre park at the recommended site for Waipahu Uka Elementary School.

2. Biological

- a. Flora - The school site is presently planted with sugar cane. It is unlikely that any valuable or rare plants will be destroyed by developing the school site. Landscaping provided by the school will more than offset the reduction of existing vegetation.
- b. Fauna - The existing fauna on the school site probably consists of common birds, insects, and small mammals such as mongooses and rats. Development of the site is not expected to affect any endangered species of animal life.

3. Cultural

- a. Aesthetics - The proposed site has little to offer in terms of natural beauty in the form of trees, rock formation, streams, etc. which would be affected. The site is typical of the surrounding area and does not contain any significant natural or archaeological landmarks. The school development can be expected to provide an aesthetically pleasing campus which will blend in with the surrounding environment.
- b. Recreation - Playgrounds and other recreational facilities provided by the school development will be available for public use during non-school hours. The existing site is presently privately-owned and not used for any public recreational purpose such as hunting or hiking.
- c. Education - One of the primary objectives of the new school is to provide modern facilities which are adaptable to today's various educational programs.

The students will benefit from the up-to-date facilities which will help maintain a positive learning environment. The community will also benefit from the use of the school buildings which will be available for community use after school hours.

4. Ecological

The school development within the proposed site may create an ecological unbalance to a minor degree. These effects will be due to the landscaping of the site which could provide a habitat for fauna not common to the original site. The construction of the school buildings may also reduce the force of the winds in its lee and result in an amelioration of the surroundings. Overall, these ecological effects are expected to be more beneficial than adverse.

ADVERSE ENVIRONMENTAL EFFECTS WHICH CANNOT BE AVOIDED SHOULD THE PROJECT BE IMPLEMENTED

A. Modification of Regime

1. Biological

The school development will transform about 10 acres of sugar cane into a school campus landscaped with trees, shrubs, and lawn areas. This change is not expected to create any adverse biological effects on the surroundings.

2. Physical

There may be an increase in total drainage run-off from the school site. However, any potential adverse effects will be minimized by providing proper drainage facilities and by providing adequate ground cover to prevent erosion.

B. Land Transformation and Construction

1. Urbanization

Development of the school will not require the taking of any agricultural land. Although sugar cane is growing on the school site, the site is in the State Land Use

Urban District, is designated School and Park on the County General Plan, is zoned R-6 Residential by the City and County and will probably be developed for homes if the school is not constructed.

2. Barriers-Fencing

A chain-link fence will be provided around the school site where necessary for the students' safety and for the school's security. No adverse environmental effects are anticipated from this proposed barrier.

3. Buildings

The buildings constructed on the site should have no adverse environmental effects. The loss of open space will be compensated for by landscaping the remaining open area.

4. Cut and Fill

Minor cut and fill operations will be required for the school development which will alter the natural ground. Quantities will be balanced to minimize the need for importing or exporting material. Graded areas will be planted as soon as practicable to minimize potential adverse effects from dust and erosion.

C. Emission, Effluents, Solid Wastes, and Noise

1. Airborne Emissions

No adverse airborne emissions are anticipated from the operation and maintenance of the school. Some temporary dust and exhaust emissions can be expected during the construction phases. However, these will be minimized by strict enforcement of applicable pollution control requirements previously mentioned.

2. Waterborne Effluents

Adequate measures will be provided to eliminate any potential adverse effects from waterborne effluents. The sewage generated by the school will be treated by the oxidation ponds in Waipio Peninsula until the proposed Honouliuli Sewage Treatment Plant is completed. Surface runoff will be accommodated by a drainage

system designed to prevent flooding and erosion.

3. Solid Wastes

Solid wastes generated by the school will consist primarily of paper and trash from grounds maintenance. These wastes are not hazardous and are generally biodegradable. The refuse will be stored in steel bins and disposed of at an approved landfill site or by other appropriate methods. No adverse effects from solid wastes are therefore anticipated.

4. Noise Emissions

Some adverse effects from noise may be expected during the construction phases of the school. However, these will be minimized by applicable regulations. No adverse noise levels will be generated by the normal operation and maintenance of the school.

Traffic noise from the H-1 Freeway is not expected to affect the school. However, such disturbances will be minimized by proper orientation and location of buildings away from the highway and by providing appropriate noise buffers.

D. Resource Depletion

The school development will inevitably increase the consumption of domestic water and electricity and generate additional sewage and solid wastes. Other unavoidable resource depletion will include the residential land and construction materials such as lumber, sand and gravel, steel, oil, etc. used for the school.

ALTERNATIVES

The alternatives to building a new school are:

- A. Stop all residential development in this area to control student population.
- B. Increase the capacities at adjacent existing schools.
- C. Transport students to schools which are not overcrowded.

None of these alternatives are acceptable because:

- A. Stopping residential development in this area would simply transfer the problem to some other area since homes are needed and a school would still be required to serve those homes. Additionally, the Department of Education has no control over the development of homes.
- B. The capacities of the existing adjacent schools would have to be increased beyond their desirable and manageable design enrollments of 1,000 students to accommodate the students that would be served by the proposed school. Additionally, more land would be required for these schools to provide the facilities and play areas according to the Department of Education's Educational Specifications, Policies and Design Standards for the Public Schools of Hawaii. This will entail acquisition, relocation and demolition of existing developments which is not economically feasible or desirable.
- C. Students would have to be transported all the way into Honolulu to find enough schools which are not overcrowded. Additionally, there is no assurance that the increasing enrollment can continue to be accommodated by unused classrooms on Oahu. It should be noted that many of these unused classrooms are old buildings and that many of the old schools in Honolulu do not meet the present Department of Education standard on site size.

The design enrollment of this school is 700 students with about 350 coming from the Crestview and Seaview subdivisions that qualify for bus subsidy. The present worth cost of busing the additional 350 students for 20 years is approximately \$703,000. Busing will add to the peak morning traffic in the Pearl Harbor corridor which presently exceeds the desirable capacity of the roadways. Students will have to spend approximately one and one-half hours on the bus each school day which increases the chances of student injuries and deaths caused by accidents.

RELATIONSHIP BETWEEN SHORT-TERM USES OF MAN'S ENVIRONMENT AND THE MAINTENANCE AND ENHANCEMENT OF LONG-TERM PRODUCTIVITY

The short-term effect on man's environment during construction of the school will be offset by the long-term productivity gained by promoting the State's goal of providing the necessary education for its people.

IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES

The labor required for the project and the construction material which cannot be economically reused will be irretrievable. The labor and material expended for the subsequent maintenance and operation of the school will also be irretrievable. The land would remain intact except for grading and could be used for other purposes should the school be abandoned in the future.

SOCIAL COSTS AND BENEFITS

Hawaii's goal in formal education is to maximize the realization of each individual's intellectual potential, to contribute to his personal development, enhance his social effectiveness, and provide the basis for satisfying vocations by making available a graduated and integrated series of high quality educational processes.

Since the benefits derived from the proposed school or educational system are intangible in nature and methods for computing benefits in terms of cost have not been developed yet, it can only be assumed that the benefits far outweigh the costs.

APPENDIX A

Extraction from the
Waipahu Uka Elementary School
Site Selection Study

Analysis and Recommendation

CHAPTER 5
ANALYSIS AND RECOMMENDATION

ANALYSIS

The two alternative sites selected for consideration were first evaluated against the minimum site criteria of Chapter 2 to test whether or not they could be considered as possible sites. Since they both met the minimum criteria, they were evaluated against the school and community site criteria of Chapter 2 and the results tabulated in Table 1 - Evaluation Table. It should be noted that the items in the Evaluation Table do not carry the same weight. However, they serve to facilitate evaluation without great loss of accuracy.

Analysis of the Evaluation Table shows:

- A. The alternative sites have identical school site criteria ratings.
- B. Alternative Site 1 has a slightly better community site criteria rating.
- C. Alternative Site 1 is more economical to develop than Site 2 by only \$19,000.

Therefore, it would seem that the two sites are essentially equal in rating and comparative cost. However, there is a tenant relocation cost which may be added to Alternative Site 2 if the developments do not proceed as scheduled. Since the development of this area is scheduled for the end of 1976, delays in the development schedule will affect the school. Figure 19 shows that Alternative Site 1 will not displace any existing plantation homes whereas Figure 20 shows that Alternative Site 2 will displace 25 homes. The estimated cost for relocating these tenants is shown in Table 4.

TABLE 4
TENANT RELOCATION COST

| Cost | Item |
|-----------|---|
| \$ 5,000 | Staff Cost 25 units @ \$200/unit |
| 10,000 | Relocation Services 25 units @ \$400/unit |
| 7,500 | Moving Expense 25 units \$300/unit |
| 125,000 | Replacement Housing 25 units @ \$5,000/unit |
| \$147,500 | TOTAL |

There was some question on whether or not Alternative Site 1 would meet the proposed Department of Education's noise level standard of 50 SIL dB (equivalent to about 55dBA). However, a noise study dated July 8, 1974 was submitted to the County

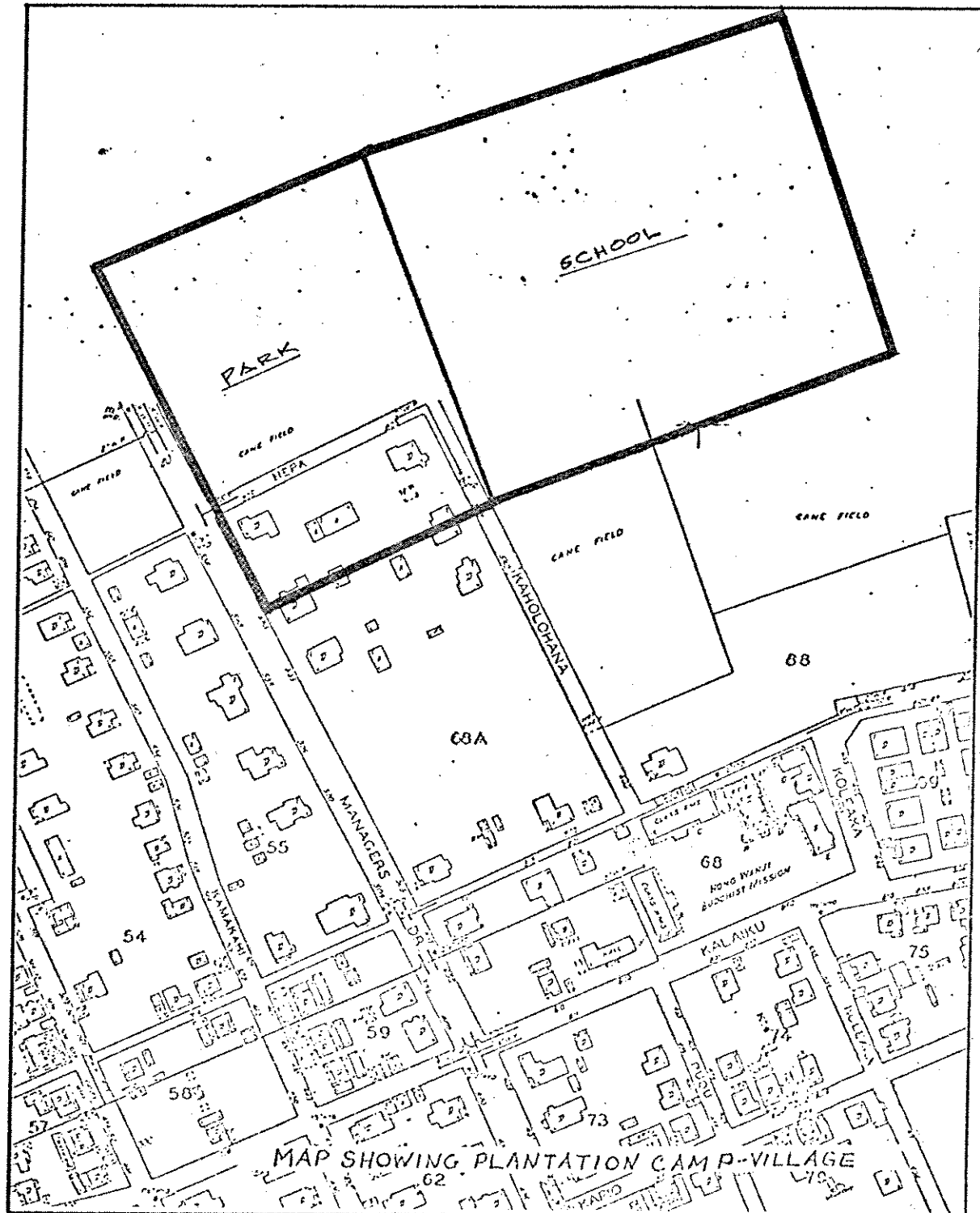


FIGURE 19

ALTERNATIVE SITE 1

| | | |
|--------------------------|---|--|
| STATE OF HAWAII | • | DEPT. OF ACCOUNTING & GENERAL SERVICES |
| DIVISION OF PUBLIC WORKS | • | PLANNING BRANCH |

Department of General Planning by Oahu Sugar Company in connection with their request to amend the General Plan for lands within the proposed schools service area. This study noted the typical noise levels ranged from 49 to 53 dBA and that heavy trucks on the freeway, wind in the trees, and the Waipahu Sugar Mill contributed about equally to the noise level on the proposed school site.

RECOMMENDATION

Since Alternative Site 1 meets the minimum site criteria, is equal to or slightly better than Alternative Site 2 in terms of school criteria rating, community criteria rating, and comparative cost and does not have the potential for an additional cost of almost \$150,000 for tenant relocation, it is recommended as the site for Waipahu Uka Elementary School.

APPENDIX B

Department of Accounting
and General Services

Pollution Control Requirements

SECTION 1G - ENVIRONMENTAL PROTECTION

The Contractor shall comply with the following requirements for pollution control in performing all construction activities:

1. RUBBISH DISPOSAL

- A. No burning of debris and/or waste materials shall be permitted on the project site.
- B. No burying of debris and/or waste material except for materials which are specifically indicated elsewhere in these specifications as suitable for backfill shall be permitted on the project site.
- C. All unusable debris and waste materials shall be hauled away to an appropriate off-site dump area. During loading operations, debris and waste materials shall be watered down to allay dust.
- D. No dry sweeping shall be permitted in cleaning rubbish and fines which can become airborne from floors or other paved areas. Vacuuming, wet mopping or wet or damp sweeping is acceptable.
- E. Enclosed chutes and/or containers shall be used for conveying debris from above to ground floor level.
- F. Cleanup shall include the collection of all waste paper and wrapping materials, cans, bottles, construction waste materials and other objectionable materials, and removal as required. Frequency of cleanup shall coincide with rubbish producing events.

2. DUST

- A. The State will pay for all dust control sprinkling for a period of (INSERT FIGURE) consecutive working days * from the date of the Notice to Proceed. All cost for dust control measures after this period shall become the responsibility of the Contractor.
- B. It shall be the Contractor's responsibility to control dust to an acceptable level at all times, including non-working

* Architect: If the project is such that grading must be done in phases, consult with State for proper phasing and appropriate wording.

hours, weekends and holidays by sprinkling water.

- C. Before the termination of the period stipulated in Paragraph 2A above, work done by the Contractor in complying with this requirement shall be paid for in accordance with Subsection 9.4(b) "Force Account Work" of the General Requirements and Covenants. The Contractor shall be responsible for all damages in accordance with Section 7.7 "Responsibility of Damage Claims" of the General Requirements and Covenants. The intent of this provision is only to provide an equitable method of payment and it is not intended to relieve the contractor from damage claims resulting therefrom.
- D. After the termination of the period stipulated in Paragraph 2A above, all sprinkling required for dust control, whether voluntarily done by the Contractor or ordered by the Engineer, shall be paid for by the Contractor.
- E. Sprinkling or watering work which will not be covered for payment but shall be the responsibility of the Contractor and be a part of the lump-sum bid:
 - o Areas planted with ground cover and/or grass.
 - o Areas outside the Contract Zone limits, such as adjacent roads and streets.
- F. Payment for sprinkling done in accordance with the above shall be made by change order at the end of the grading period stipulated in Paragraph 2A.

3. NOISE

- A. All internal combustion engine-powered equipment shall have mufflers to minimize noise and shall be properly maintained to reduce noise to acceptable levels.
- B. No blasting and use of explosives will be permitted without prior approval of the Engineer.
- C. Pile driving operations shall be confined to the period between 8:00 a.m. and 5:30 p.m., Monday through Friday. Pile driving will not be permitted on weekends and legal State and Federal holidays.
- D. Starting up of non-highway vehicular equipment shall not be done prior to 6:45 a.m. without prior approval of the Engineer.

Revised 10/73

4. EROSION

During interim grading operations the grade shall be maintained so as to preclude any damages to adjoining property from water and eroding soil. Temporary berms, cut-off ditches, and other provisions which may be required because of the Contractor's method of operation shall be installed at no cost to the State. Drainage outlets and silting basins shall be constructed and maintained as shown on the plans to minimize erosion and pollution of waterways during construction.

5. OTHERS

- A. Wherever trucks and/or vehicles leave the site and enter surrounding paved streets, the Contractor shall prevent any material from being carried onto the pavement. Waste water shall not be discharged into existing streams, waterways, or drainage systems such as gutters and catch basins unless treated to comply with Department of Health water pollution regulations.
- B. Trucks hauling debris shall be covered as required by PUC Regulation. Trucks hauling fine materials shall be covered.
- C. No dumping of waste concrete will be permitted at the job site unless otherwise permitted in the Special Provisions.
- D. Except for rinsing of the hopper and delivery chute, and for wheel washing where required, concrete trucks shall not be cleaned on the job site.
- E. Except in an emergency, such as a mechanical breakdown, all vehicle fueling and maintenance shall be done in a designated area. A temporary berm shall be constructed around the area when runoff can cause problems.
- F. Spray painting will not be allowed unless done by the "airless spray" process.

6. SUSPENSION OF WORK

Violation of any of the above requirements or any other pollution control requirements which may be specified in the Technical Specifications herein shall be cause for suspension of the work creating such violation. No additional compensation shall be due the Contractor for remedial measures to correct the offense. Also, no extension of time will be granted for delays caused by such suspensions.

If no corrective action is taken by the Contractor within 72 hours after a suspension is ordered by the Engineer, the State reserves the right to take whatever action is necessary to correct the situation and to deduct all costs incurred by the State in taking such action from monies due the Contractor.

The Engineer may also suspend any operations which he feels are creating pollution problems although they may not be in violation of the above mentioned requirements. In this instance, the work shall be done by force account as described in Subsection 4.2(e) "FORCE ACCOUNT WORK" of the General Requirements and Covenants and paid for in accordance with Subsection 9.4(b) "FORCE ACCOUNT WORK" therein. The count of elapsed working days to be charged against the contract in this situation shall be computed in accordance with Subsection 8.8(d) "CONTRACT TIME" of the General Requirements and Covenants.

NOTE TO ARCHITECT: Notify the Public Works Engineer in writing at or before the Pre-Final submittal of any proposed changes to the above requirements.

SECTION 2C - GRASS PLANTING

GENERAL CONDITIONS:

As specified in Section 1A.

WORK SPECIFIED IN THIS SECTION:

The work to be performed under this section shall include furnishing all labor, materials, equipment and tools for grass planting in areas indicated on the drawings and as specified herein. Grass shall also be planted in the following areas:

- (1) Existing grassed areas that are damaged by construction operations and areas dug up for utility trenches.
- (2) Areas occupied by existing structures that are to be demolished, removed and topsoiled.
- (3) Areas within "Contract Zone Limits" that are graded and covered with top soil except areas designated for other plants.
- (4) All other areas within "Contract Zone Limits" that are indicated on the plans to be graded, such as slopes of banks, etc.

(Note to Architect: For clarity, indicate on site plan all areas to be grassed so that there is no doubt as to the extent of new grassing. If necessary, draw a separate grassing plan. Do not use the term "Lawn Area".)

WORK SPECIFIED IN OTHER SECTIONS:

Top soil for general finish grading and its installation are specified under EARTHWORK SECTION. However, screened top soil for repair work as specified herein shall be furnished and installed under this section.

COMMENCEMENT REQUIREMENTS:

Grass planting operations shall be started within 36 hours after top soil has been placed and shall be continued through to completion. There shall be no deviation from this requirement without the express approval of the Engineer.

MAINTENANCE:

- (1) General: The Contractor shall be responsible for the proper care of the grassed areas. Maintenance includes watering, weeding, mowing, repairing, regrassing and protection, and is required until the entire project is accepted, but in any event for a period not less than ** days after planting of grass.
- (2) Watering: After planting of seeds or grass sprigs the ground shall be kept continuously moist until a healthy growth is established. Thereafter, the grass shall be thoroughly watered once a day until grassing work is accepted. Watering shall be done in a manner that will prevent erosion due to the application of excessive quantities of water, and the watering equipment shall be of a type that will prevent damage to the finished surface.
- (3) Weeding: Weeds shall be uprooted and removed completely and in no case shall they be allowed to grow and propagate more seeds. Large holes caused by weeding shall be filled with screened top soil and raked level.
- (4) Mowing: Grass shall be mowed with approved mowing equipment to a height of 1-1/2" whenever the average height of grass becomes 3".
- (5) Repairing and regrassing: When any portion of the surface becomes gullied or otherwise damaged and grass has failed to grow, such areas shall be repaired with screened top soil and replanted with grass.
- (6) Protection: The grassed areas shall be protected against traffic so that the grass establishes a healthy growth. Grassed areas damaged by traffic shall be replanted.

APPENDIX C

Draft Environmental Impact Statement Comments
Received from Various Agencies and
Responses by the Department of Accounting
and General Services

Distribution List and Summary
Office of Environmental Quality Control

Federal

Department of the Air Force
Department of the Army, Headquarters United States Army
Support Command, Hawaii
Department of the Army, Honolulu District, Corps of
Engineers
U. S. Soil Conservation Service

State

Department of Agriculture
Department of Education
Department of Health
Department of Land and Natural Resources
Department of Planning and Economic Development
Department of Transportation

County

Board of Water Supply
Building Department
Department of General Planning
Department of Land Utilization
Department of Public Works
Department of Recreation
Department of Transportation Services

RECEIVED

MAY 23 10 11 AM '74

PUBLIC WORKS DIV.
DAGS

OFFICE OF ENVIRONMENTAL QUALITY CONTROL
OFFICE OF THE GOVERNOR
550 Halekiauila Street
Tani Office Building, Third Floor
Honolulu, Hawaii 96813

The Honorable KeNam Kim
Comptroller
Dept. of Accounting and General Services

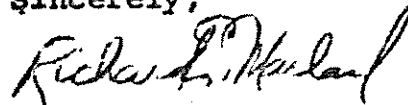
SUBJECT: DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE PROPOSED
WAIPAHA UKA ELEMENTARY SCHOOL

Dear Mr. Kim,

As requested we have distributed copies of the draft EIS to the agencies/organizations indicated on the attached distribution list.

Copies of the draft EIS's were distributed on
Deadline for comments will be June 21, 1974 If you should
have any questions, please contact ^{Ann Kawasaki} of my staff
at 5486915. Thank you for the opportunity to participate
in the review of the draft EIS.

Sincerely,



Richard E. Marland
Interim Director

Attachment

() E.A. (✓) DEIS () FEIS () OTHER

Project Name: Whipaku Uka Elementary School

Location: _____

Originating Agency: Dept. of Accounting and General Services

Date Sent: May 16, 1974

Deadline Date: June 21, 1974

| <u>STATE AGENCIES</u> | <u>Amount Sent</u> | <u>Remarks</u> |
|---|--------------------|----------------|
| Dept. of Agriculture | 1 | |
| Dept. of Land and Natural Resources - Sunao Kido (3) | 3 | |
| Dept. of Health - Shinji Soneda (4) | 4 | |
| Dept. of Planning and Economic Development - S. Mark | 1 | |
| Dept. of Defense - Clyde Woods | 1 | |
| Dept. of Accounting and General Services - KeNam Kim | | |
| Dept. of Social Services and Housing - Ronald Lin | 1 | |
| Dept. of Transportation - Ah Heong Kam (3) | 3 | |
| Dept. of Education - Edington | 1 | |
| <u>UNIVERSITY OF HAWAII</u> | | |
| Environmental Center - Doak Cox (3) | 3 | |
| Water Resources Research Center - Stephen Lau | | |
| Marine Programs - John Craven | | |
| <u>FEDERAL</u> | | |
| Environmental Protection Agency - (2) M. Koizumi | 2 | |
| U.S. Army Corps of Engineers | 1 | |
| Bureau of Sport Fisheries and Wildlife - Maurice Taylor | 1 | |
| U.S. Dept. of Interior - Burnham | 1 | |
| Soil Conservation Service - Lum | 1 | |
| 15 AFHQ / DDE APO SF 96553 | 1 | |
| Army - Commanding General | 1 | |
| Navy - John E. Butts | 1 | |
| <u>NEWS MEDIA</u> | | |
| Honolulu Star Bulletin - Duncan | 1 | |
| Advertiser - Chaplin | 1 | |
| The Sun News - Oahu | 1 | |
| Ka Leo O Hawaii - UH | | |
| Hawaii Tribune - Hawaii | | |

NEWS MEDIA (continued)

| | amount sent | remarks |
|--|----------------|---------|
| Lahaina Sun - Maui | | |
| Maui News - Maui | | |
| Bruce Bowen - Molokai | | |
| Ka Molokai - Molokai | | |
| The Garden Island Newspaper - Kauai | | |
| <u>HONOLULU - CITY & COUNTY AGENCIES</u> | | |
| Dept. of Planning - Way | -/- | |
| Land Utilization - Moriguchi | 7 | |
| Dept. of Transportation Services - Villegas | 1 | |
| Mass Transit Division - Blindauer | -/- | |
| Dept. Of Parks and Recreation - Ko | -/- | |
| Dept. of Public Works - Hirata | -/- | |
| Board of Water Supply - Yuen | -/- | |
| Building Department - Yuasa | -/- | |
| <u>HAWAII - COUNTY AGENCIES</u> | | |
| Planning Department - Suefuji | | |
| Dept. of Public Works - Harada | | |
| Dept. Of Parks and Recreation - Fukuda | | |
| Dept. of Water Supply - Fujimoto | | |
| Dept. of Research and Development | | |
| <u>MAUI - COUNTY AGENCIES</u> | | |
| Planning Department - Nakamura | | |
| Dept. of Public Works - Goshi | | |
| Dept. of Water Supply - Kaima | | |
| Economic Development Agency - Yasui | | |
| Dept. of Parks and Recreation - Maehara | | |
| <u>KAUAI - COUNTY AGENCIES</u> | | |
| Planning Department - Nishimoto | | |
| Dept. of Public Works - Minakami | | |
| Dept. of Water Supply - Briant | | |

LIBRARIES

| | amount sent | remarks |
|--------------------------------------|-------------|---------------------|
| State Main Branch - Mrs. Shirley Ng | 7 | |
| Regional: | | |
| Kaimuki Regional Library | 1 | |
| Kaneohe Regional Library | 1 | |
| Pearl City Regional Library | 1 | |
| Hilo Regional Library | 1 | |
| Wailuku Regional Library | 1 | |
| Lihue Regional Library | 1 | |
| Branch: | | |
| OAHU | | |
| Aiea Library | | |
| Aina Haina Library | | |
| Ewa Beach C/S Library | | |
| Hawaii Kai Library | | |
| Kahuku C/S Library | | |
| Kailua Library | | |
| Kalihi-palama Library | | |
| Liliha Library | | |
| Manoa Library | | |
| McCully-Moiliili Library | | |
| Wahiawa Library | 1 | |
| Waialua Library | | |
| Waianae Library | | |
| Waikiki-Kapahulu Library | | |
| Waipahu Library | 1 | |
| HAWAII | | |
| Bond Memorial Library | 1 | from Pearl City reg |
| Holualoa Library | | |
| Honokaa Library | | |
| Kailua-Kona Library | | |
| Kealahou Library | | |
| Laupahoehoe Library (c/S) | | |
| Pahala C/S Library | | |
| Pahoa C/S Library | | |
| Thelma Parker Memorial Library | | |
| Waimea Library | | |
| HAUI | | |
| Kahului Branch | | |
| Lahaina Branch | | |
| Makawao Branch | | |
| MOLOKAI | | |
| Molokai Library | | |
| LANAI | | |
| Lanai Library | | |
| KAUAI | | |
| Hanapepe Branch | | |
| Kapaa Branch | | |
| Waimea Branch | | |
| University Of Hawaii: | | |
| Sinclair Library, Pacific Collection | 1 | |
| State Archives (1) | 1 | |
| DPED Library- Tony Oliver (1) | 1 | |
| Bishop Museum Library (1) | 1 | |
| LRB Library (1) | 1 | |

115

JOHN A. BURNS
GOVERNOR



STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
OFFICE OF THE GOVERNOR
550 HALEKAUWILA ST.
ROOM 301
HONOLULU, HAWAII 96813

RICHARD E. MARLAND, PH.D.
INTERIM DIRECTOR
JUL 9 10 04 AM '74
TELEPHONE NO.
46-6115
PUBLIC WORKS DIV.
DAGS

July 8, 1974

M E M O R A N D U M

TO: The Honorable KeNam Kim, Comptroller
Department of Accounting and General Services

FROM: Richard E. Marland, Interim Director
Office of Environmental Quality Control *Richard E. Marland*

SUBJECT: Draft Environmental Impact Statement for the
Proposed Waipahu Uka Elementary School

As of this date, this Office has received a total of sixteen (16) responses to the above indicated draft statement. An examination of these responses revealed that a majority of the commentors found the statement to be a relatively satisfactory document. Only a few agencies had "significant" comments or recommendations to offer. Thirteen (13) agencies offered us no recommendations for revision of the statement. These agencies include:

State Department of Education
Building Department, C & C of Honolulu
Department of Land Utilization, C & C of Honolulu
State Department of Planning & Economic Development
State Department of Agriculture
Department of General Planning, C & C of Honolulu
State Department of Transportation
State Department of Land and Natural Resources
Soil Conservation Service
Department of the Army
Board of Water Supply, C & C of Honolulu
Department of Transportation Services, C & C of Honolulu
Department of the Air Force

Agencies Providing "Significant" Comments or Recommendations

1. Department of Parks and Recreation, City and County of Honolulu:
 - a. Requested that the applicant dedicate the park site to the City in fee. This Office does not recognize this comment to be pertinent to the statement's purpose of identifying and discussing probable environmental effects of the proposed project. If it is decided by your department that a response be provided, it should be transmitted directly to the inquiring agency.
 - b. "If adequate recreational areas and facilities are not provided for this development, we recommend that this development be denied". This Office notes (p. C-4) that the statement was prepared for the primary purpose of exposing and assessing environmental concerns and effects relating to the development of the recommended school site, thus the discussion relating to provision of recreational and school facilities is limited. However, this Office recommends that all available information describing proposed facilities be provided to the Parks and Recreation Department for their information and review.
2. Department of Public Works, City and County of Honolulu:

"The Department of Accounting and General Services should coordinate the off-site drainage system with the design of the school".
3. State Department of Health
 - a. water quality - In their memorandum, the State Department of Health provided information that contradicts the statement on page C-17 regarding water quality. It is advisable that further discussion be provided on this matter to clarify and if necessary, to rectify your statement.
 - b. sewage disposal - The DOH has indicated that sewage disposal from the proposed school may have the greatest environmental impact in the Waipahu area and therefore suggested elaboration in this area. This Office notes that a limited discussion is provided in the Staff

Page 3
July 8, 1974

Study Report. We suggest that that statement reading "Adequate sewer service is being developed which will meet the interim and ultimate needs of the school" be incorporated in the final document. Additional information regarding the capacity and capability of the present facility to serve the proposed school, and construction dates facilities, location, etc. of future facilities be also provided.

This Office hopes that the above comments will be given serious consideration and that their disposition be incorporated in the final statement. Additionally, we request that individual responses be provided to each of the commentators with a carbon copy sent to this Office for our files.

Thank-you for the opportunity to review and process this statement.

Attachments (2)

Agencies Responding to the Draft Environmental Impact Statement
for the Proposed Waipahu Uka Elementary School (Date of letter
enclosed in parenthesis)

1. State Department of Education (May 20, 1974)
2. Building Department, City and County of Honolulu (May 29, 1974)
3. Department of Land Utilization, City and County of Honolulu
(May 29, 1974)
4. State Department of Planning and Economic Development
(May 30, 1974)
5. State Department of Agriculture (May 30, 1974)
6. Department of General Planning (May 31, 1974)
7. State Department of Transportation (June 4, 1974)
8. Department of Parks and Recreation, City and County of
Honolulu (June 5, 1974)
9. State Department of Land and Natural Resources (June 6, 1974)
10. U.S. Soil Conservation Service (June 7, 1974)
11. Department of the Army (June 10, 1974)
12. Department of Public Works, City and County of Honolulu
(June 12, 1974)
13. Board of Water Supply, City and County of Honolulu (June 17, 1974)
14. Department of Transportation Services, City and County of
Honolulu (June 21, 1974)
15. Department of the Air Force (June 24, 1974)
16. State Department of Health (June 28, 1974)



GEORGE R. ARIYOSHI
GOVERNOR

HIDEO MURAKAMI
COMPTROLLER
MIKE N. TOKUNAGA
DEPUTY COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING
AND GENERAL SERVICES
P. O. BOX 119
HONOLULU, HAWAII 96810

FEB 24 1975

Dr. Richard Marland
Interim Director
Office of Environmental
Quality Control
550 Halekauwila Street
Honolulu, Hawaii

Dear Dr. Marland:

Subject: Draft Environmental Impact Statement for
the Proposed Waipahu Uka Elementary School

This is in reply to your July 8, 1974 memorandum regarding
the subject project. Our responses to your comments are as
follows:

1. City and County Department of Recreation

- a. Dedication - We do not feel a response to the Department of Recreation's comment on this matter is necessary because it does not concern the environment.
- b. Recreational Facilities - Their comment on this item is a continuation of the second paragraph of their letter. They indicate that a neighborhood-type park is required to serve the recreational needs of the population which is to be generated by Oahu Sugar Company and that they will recommend against the Oahu Sugar Company's development if the recreational facilities are not provided.

Based on the above, we do not feel a response to the County Department of Recreation's comments is necessary. However, we can make two statements for your information:

- a. If the Oahu Sugar Company's development is denied, the proposed school probably will not be required.
- b. If the development is permitted and the County Department of Recreation does not develop the proposed neighborhood park, the school will probably have to acquire and develop additional area to meet the school's playground requirements.

2. Department of Public Works

We have informed the City and County Department of Public Works that design of the school's drainage system will be coordinated with the developer's off-site drainage improvements.

3. State Department of Health

The section on Water Quality will be revised to read as follows:

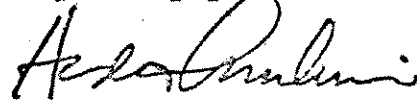
"The water quality of the Waipahu area will not be adversely affected by the school development. The school will not discharge any pollutants except for sewage. Adequate sewer service is being developed to meet the interim and ultimate needs of the school.

The existing Waipahu sewerage system consists of a sewage pump station and recently improved oxidation ponds that discharge its effluent into Pearl Harbor. The City and County recently was granted a permit by the State Department of Health to operate the oxidation ponds up to a maximum flow rate of 3.6 million gallons per day provided the waste load remains at the level of the former maximum flow rate of 2.9 million gallons per day.

Ultimately, the sewage generated in Waipahu will be treated at the proposed Honouliuli sewage treatment plant in Ewa which is scheduled for completion around 1979."

Appropriate responses have been made to the County Department of Public Works and State Department of Health regarding their concerns. The final EIS for this project will be published shortly.

Very truly yours,



HIDEO MURAKAMI
State Comptroller

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 15th AIR BASE WING (PACAF)
APO SAN FRANCISCO 96553



24 JUN 1974

REPLY TO DE
ATTN OF:

SUBJECT: Draft Environmental Impact Statement

TO: Office of Environmental Quality Control
Office of the Governor
550 Halekauwila Street
Tani Office Building, Third Floor
Honolulu, Hawaii 96813

1. Reference is made to your letters of 16 and 22 May 1974, subject as above.
2. This office has no comment to render relative to the draft environmental impact statement for the following projects:
 - a. Proposed Waipahu Uka Elementary School.
 - b. Proposed Hanalei Elementary School Relocation.

A handwritten signature in cursive script, appearing to read "Allan M. Yamada".

ALLAN M. YAMADA
Asst Dep Comdr for Civil



DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY SUPPORT COMMAND, HAWAII
APO SAN FRANCISCO 96557

10 JUN 1974

HCFE-PS

Office of Environmental Quality Control
Office of the Governor
550 Halekauwila Street, Room 301
Honolulu, Hawaii 96813

Gentlemen:

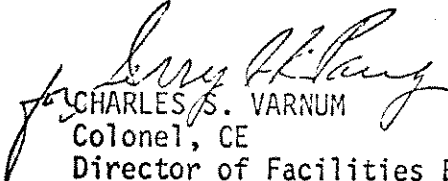
We have reviewed the Draft Environmental Impact Statements for:

- a. Site Selection Report, Hilo Rehabilitation Complex
- b. Waipahu Uka Elementary School

We concur on the Draft IES for both projects.

Although we are not directly affected, we feel that both projects should be of great benefit to the community.

Sincerely yours,


CHARLES S. VARNUM
Colonel, CE
Director of Facilities Engineering



DEPARTMENT OF THE ARMY
HONOLULU DISTRICT, CORPS OF ENGINEERS
BUILDING 96, FORT ARMSTRONG
HONOLULU, HAWAII 96813

PODED-P

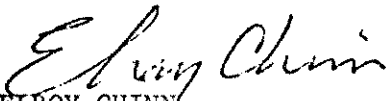
18 June 1974

Dr. Richard E. Marland, Interim Director
Office of Environmental Quality Control
State of Hawaii
550 Haleiawila Street, Rm 301
Honolulu, Hawaii 96813

Dear Dr. Marland:

We have reviewed the draft environmental statements for Waipahu Uka Elementary School and Hanalei Elementary School Relocation. Both statements appear to adequately discuss pertinent environmental impacts and concerns. Based upon the maps provided for Hanalei Elementary School, we concur that the proposed Site 2 will not be affected by flooding or tsunami inundation.

Sincerely yours,


ELROY CHINN
Acting Chief, Engineering Division

TO: R. Ward E. Marland, Interim Director,
Office of Environmental Quality Control

RE: Draft EIS - Proposed Waipahu Uka Elem. School

EIS returned: project does not pertain to SCS
activities and/or responsibilities.

EIS received: undergoing review.

Francis C. H. Lum

Francis C. H. Lum
State Conservationist

6/7/74

Date

JOHN A. BURNS
GOVERNOR



FREDERICK C. ERSKINE
CHAIRMAN, BOARD OF AGRICULTURE

WILLIAM E. FERNANDES
DEPUTY TO THE CHAIRMAN

STATE OF HAWAII
DEPARTMENT OF AGRICULTURE
1428 SO. KING STREET
HONOLULU, HAWAII 96814

May 30, 1974


MEMORANDUM

To: Dr. Richard E. Marland, Interim Director
Office of Environmental Quality Control

Subject: Environmental Impact Statement for the Proposed
Waipahu Uka Elementary School - DAGS

The Department of Agriculture has reviewed the draft EIS for agricultural impact. The principal concerns are for dust generated along the cane haul road and sugar mill emissions. The area is in an urban State Land Use District.

Development of residential units in this area will reduce pressure on other outlying districts. The recommended site is compatible with proposed development.


Frederick C. Erskine
Chairman, Board of Agriculture



STATE OF HAWAII
DEPARTMENT OF EDUCATION
P. O. BOX 2360
HONOLULU, HAWAII 96804

OFFICE OF THE SUPERINTENDENT

May 20, 1974

MEMO TO: Office of Environmental Quality Control
Office of the Governor

F R O M: Teichiro Hirata, Superintendent
Department of Education

SUBJECT: Environmental Impact Statement for the
Proposed Waipahu Uka Elementary School

The Department of Education has no recommendation for modifications
or changes to the subject document.

Teichiro Hirata

JOHN A. BURNS
GOVERNOR OF HAWAII



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

June 28, 1974

WALTER B. QUISENBERRY, M.P.H., M.D.
DIRECTOR OF HEALTH

WILBUR S. LUMMIS JR., M.S., M.D.
DEPUTY DIRECTOR OF HEALTH

RALPH B. BERRY, M.P.H., M.D.
DEPUTY DIRECTOR OF HEALTH

HENRI P. MINETTE, M.P.H., DR.P.H.
DEPUTY DIRECTOR OF HEALTH

In reply, please refer to:
File: EPHS-PTR

To: Dr. Richard E. Marland, Interim Director
Office of Environmental Quality Control

From: Director of Health

Subject: Draft Environmental Impact Statement for the Proposed Waipahu
Uka Elementary School

The Department submits the following comments for your consideration:

1. On page C-17, "The water quality of the Waipahu area will not be adversely affected by the school development" is an understatement.

A Decision and Order was issued to the City and County of Honolulu by the Director of Health on April 13, 1973 prohibiting further increases in the influent flow of the oxidation ponds. A number of effluent requirements were established and will have to be met before further increases in flow to the ponds would be considered. Two of the significant parameters are BOD₅, at least 80% removal, and dissolved oxygen in the second pond, at least 2.0 ppm.

To date, only grading plan approval has been granted for developmental subdivision projects.

2. Sewage disposal from the proposed school will ultimately have the greatest environmental impact on the Waipahu area, so may we suggest further elaboration in this problem area.


WALTER B. QUISENBERRY, M.D.

GEORGE R. ARIYOSHI
GOVERNOR



HIDEO MURAKAMI
COMPTROLLER
MIKE N. TOKUNAGA
DEPUTY COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING
AND GENERAL SERVICES
P. O. BOX 119
HONOLULU, HAWAII 96810

FEB 24 1975

Honorable George Yuen
Director
Department of Health
State of Hawaii
Honolulu, Hawaii

Dear Mr. Yuen:

Subject: Draft Environmental Impact Statement for
the Proposed Waipahu Uka Elementary School

This is in response to the June 28, 1974 letter from your office to the Office of Environmental Quality Control regarding the subject project.

Your comments on the environmental problems involving sewage from the proposed school are appreciated. However, after your comments were made, we understand the City and County of Honolulu has completed improvements to the oxidation ponds in Waipahu and has been granted a permit by your department to operate these ponds at a higher flow rate.

Since the higher flow rates can accommodate the school, we trust your concerns are resolved by the improvements to the ponds.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Hideo Murakami".

HIDEO MURAKAMI
State Comptroller

RECEIVED

GEORGE R. ARIYOSHIMA
GOVERNOR OF HAWAII

MAR 12 10 31 AM '75

PUBLIC WORKS DIV.
DAGS



STATE OF HAWAII
DEPARTMENT OF HEALTH

P. O. BOX 3378
HONOLULU, HAWAII 96801

GEORGE A. L. YUEN
DIRECTOR OF HEALTH

In reply, please refer to:
File: EPHS-PTR

March 7, 1975

Mr. Hideo Murakami
State Comptroller
Department of Accounting and
General Services
P. O. Box 119
Honolulu, HI 96810

Dear Mr. Murakami:

Subject: Draft Environmental Impact Statement for
the Proposed Waipahu Uka Elementary School

On January 10, 1975 a National Pollutant Discharge Elimination System (NPDES) permit was issued to the City and County of Honolulu authorizing the discharge of wastewaters from the Waipahu Waste Stabilization Pond. The issuance of the NPDES permit supersedes the Department of Health's Order dated April 3, 1973.

The NPDES permit now allows the City and County of Honolulu to operate the ponds at a higher flow rate provided that the mass emission limits are not exceeded as prescribed in the permit.

Therefore, you should now address the allowance for sewer connection from the proposed facility to the City and County of Honolulu and amend the final Environmental Impact Statement to reflect the City's decision.

The Department of Health has no further objections to the proposed project if the City and County of Honolulu allows the sewer connection into the Waipahu Waste Stabilization Ponds.

Very sincerely,

A handwritten signature in cursive script, appearing to read "George Yuen".
GEORGE YUEN
Director of Health

cc: OEQC
DPW, C&C

GEORGE R. ARIYOSHI
GOVERNOR



HIDEO MURAKAMI
COMPTROLLER

MIKE N. TOKUNAGA
DEPUTY COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P. O. BOX 119, HONOLULU, HAWAII 96810

LETTER NO. (P)1378.5

MAR 17 1975

Honorable George Yuen
Director of Health
Department of Health
State of Hawaii
Honolulu, Hawaii

Dear Mr. Yuen:

Subject: Draft Environmental Impact Statement for
the Proposed Waipahu Uka Elementary School

Thank you for your letter of March 7, 1975 regarding the subject project. Due to changes in enrollment projections, the Department of Education has rescheduled the opening date of the subject school to the 1981-1985 period or later. Since the Environmental Impact Statement for Honouliuli Wastewater Treatment Plant and Barbers Point Ocean Outfall System indicates these facilities are scheduled to be in operation in 1978, the school's sewage would not be treated by the Waipahu Waste Stabilization Ponds.

Therefore, we will not be requesting approval from the County to connect the school's sewer system to the Waipahu Waste Stabilization Ponds.

If there are any questions, please call us.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Hideo Murakami".

HIDEO MURAKAMI
State Comptroller

JOHN A. BURNS
GOVERNOR OF HAWAII



DIVISIONS:
CONVEYANCES
FISH AND GAME
FORESTRY
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

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

June 6, 1974

MEMORANDUM

TO: Dr. Richard E. Marland, Director
Office of Environmental Quality Control

FROM: Sunao Kido, Chairman and Member
Board of Land and Natural Resources

SUBJECT: Comments on Environmental Impact Statements

✓ Proposed Waipahu Uka Elementary School

This department has no objection to the environmental impact statement covering this proposed school. We recommend its approval.

The Kahaluu Watershed Project, by the City and County of Honolulu, Hawaii

This project, designed for watershed protection and flood prevention is very necessary to the Kahaluu area. This department recommends approval of the E.I.S.

A handwritten signature in cursive script, appearing to read "Sunao Kido".

SUNAO KIDO, Chairman



DEPARTMENT OF PLANNING
AND ECONOMIC DEVELOPMENT

JOHN A. BURNS
Governor

SHELLEY M. MARK
Director

EDWARD J. GREANEY, JR.
Deputy Director

250 South King St. / Honolulu, Hawaii 96813 / P. O. Box 2359 / Honolulu, Hawaii 96804

Ref. No. 0964

May 30, 1974

MEMORANDUM

TO: Dr. Richard E. Marland, Interim Director
Office of Environmental Quality Control

FROM: *Shelley M. Mark*
Shelley M. Mark, Director

SUBJECT: Review of Draft EIS for Site Selection, Waipahu Uka
Elementary School, Oahu

We have reviewed the subject draft and feel that it is a reasonably adequate evaluation of the probable environmental impacts that may be expected from this project.

We have no other comments at this time but appreciate the opportunity to review the draft statement.



DIRECTOR

LAWRENCE F. O. CHUN
DEPUTY DIRECTOR

MUNNY Y. M. LEE
DEPUTY DIRECTOR

DOUGLAS S. SAKAMOTO
DEPUTY DIRECTOR

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813

IN REPLY REFER TO:
ATP 8.2578

June 4, 1974

Dr. Richard E. Marland
Interim Director
Office of Environmental
Quality Control
550 Halekauwila St., Room 301
Honolulu, Hawaii 96813

Dear Dr. Marland:

Subject: Draft EIS for the Proposed
Waipahu Uka Elementary School

We have reviewed the subject environmental statement and
have no comments to offer as it relates to and affects our
transportation program.

Sincerely,

Douglas S. Sakamoto
For E. ALVEY WRIGHT
Director

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU

630 SOUTH BERETANIA

POST OFFICE BOX 3410

HONOLULU, HAWAII 96843



June 17, 1974

JOHN HENRY FELIX, Chairman
STANLEY S. TAKAHASHI, Vice Chairman
GEORGE APDUHAN
KAZU HAYASHIDA
WALTER D. HOWARD
ROBERT H. ROTZ
E. ALVEY WRIGHT

EDWARD Y. HIRATA
Manager and Chief Engineer

Dr. Richard E. Marland
Interim Director
Office of Environmental Quality Control
550 Halekauwila Street
Honolulu, Hawaii 96813

Dear Dr. Marland:


SUBJECT: Draft Environmental Impact Statement
for the Proposed Waipahu Uka
Elementary School

Thank you for sending us the impact statement for our review and comments. The proposed project is not anticipated to have any adverse effects to our potable groundwater resources in the area. Public sewers will not be available until the Paiwa Street and Drain Improvement Project is completed.

Water for the area proposed for the school site is presently served by private plantation lines. The impact statement indicates that the developer has taken the proposed school into consideration in developing a master plan for this area which includes a new 12-inch water main along the street fronting the school. As of this date, we have not received the developer's master plan for our review.

If you have any further questions on this matter, please call Satoru Matsuda at 548-5221.

Very truly yours,


For Edward Y. Hirata
Manager and Chief Engineer

BUILDING DEPARTMENT
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII 96813

FRANK F. FASI
MAYOR

PAUL DEVENS
MANAGING DIRECTOR



ERNEST T. YUASA
DIRECTOR AND BUILDING SUPERINTENDENT

ROBERT O. TSUMURA
DEPUTY DIRECTOR

May 29, 1974

Dr. Richard E. Marland, Interim Director
Office of Environmental Quality Control
550 Halekauwila Street, Room 301
Honolulu, Hawaii 96813

Dear Dr. Marland:

Subject: Draft Environmental Impact Statement
Proposed Waipahu Uka Elementary School

We concur with the statement that the proposed school will be beneficial to the surrounding community.

We have no other comments to offer on the subject statement.

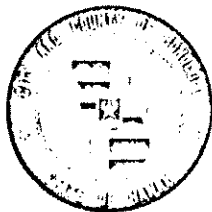
Very truly yours,

ERNEST T. YUASA
Director and Building Superintendent

TH:jo
cc: J. Harada

DEPARTMENT OF GENERAL PLANNING
CITY AND COUNTY OF HONOLULU

629 POHUKAINA STREET
HONOLULU, HAWAII 96813



FRANK F. FASI
MAYOR

ROBERT R. WAY
CHIEF PLANNING OFFICER

DONALD A. CLEGG
DEPUTY CHIEF PLANNING OFFICER

DGP5/74-1214 (BN)

May 31, 1974

MEMORANDUM

TO : DR. RICHARD E. MARLAND, INTERIM DIRECTOR
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

FROM : ROBERT R. WAY, CHIEF PLANNING OFFICER

SUBJECT: PROPOSED WAIPAHA UKA ELEMENTARY SCHOOL
DRAFT ENVIRONMENTAL IMPACT STATEMENT

In response to your memorandum of May 16, 1974 regarding the subject matter, we have the following comments to offer:

1. The subject statement adequately describes the impact which the project may be expected to have on the environment.
2. The proposed site is designated for Residential use on the General Plan Detailed Land Use Map, and the required Detailed Land Use Map change to Park-School use is being considered by this department.

Thank you for permitting us to review and comment on this specific proposal.

A handwritten signature in black ink, appearing to read "Robert R. Way".

ROBERT R. WAY
Chief Planning Officer

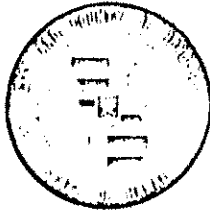
RRW: ak

DEPARTMENT OF LAND UTILIZATION
CITY AND COUNTY OF HONOLULU

629 POHUKAINA STREET
HONOLULU, HAWAII 96813

FRANK F. FASI
MAYOR

PAUL DEVENS
MANAGING DIRECTOR



GEORGE S. MORIGUCHI
DIRECTOR

WILLIAM E. WANKET
DEPUTY DIRECTOR

LU5/74-1519 (WEW)

May 29, 1974


MEMORANDUM

TO : DR. RICHARD E. MARLAND, INTERIM DIRECTOR
OFFICIAL OF ENVIRONMENTAL QUALITY CONTROL

FROM : GEORGE S. MORIGUCHI, DIRECTOR OF LAND
UTILIZATION

SUBJECT : DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE
PROPOSED WAIPAHU UKA ELEMENTARY SCHOOL

We have no objections to the proposed location for the Waipahu Uka Elementary School provided the General Plan is changed accordingly and the development complies with the requirements of the Comprehensive Zoning Code.


GEORGE S. MORIGUCHI
Director

GSM:rh

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

HONOLULU, HAWAII 96813



FRANK F. FASI
MAYOR

PAUL DEVENS
MANAGING DIRECTOR

KAZU HAYASHIDA
DIRECTOR AND CHIEF ENGINEER

WALLACE S. MIYAHIRA
DEPUTY DIRECTOR AND
DEPUTY CHIEF ENGINEER

ENV 74-132

June 12, 1974

Office of Environmental Quality Control
Office of the Governor
550 Halekauwila Street
Tani Office Building, Room 301
Honolulu, Hawaii 96813

Gentlemen:

Subject: Draft Environmental Impact Statement
for the Proposed Waipahu Uka
Elementary School

We have reviewed the draft statement and have the following comments.

The area is presently undeveloped. The developer's drainage master plan showed that the proposed school site area will be served by the future development drainage improvements. This system will discharge into the Waikele Stream. The Department of Accounting and General Services should coordinate the off-site drainage system plans with the design of the school drainage system.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Kazu Hayashida".

KAZU HAYASHIDA
Director and Chief Engineer

cc: Div. of Engineering

JOHN A. BURNS
GOVERNOR



KENAM KIM
COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING
AND GENERAL SERVICES
P. O. BOX 119
HONOLULU, HAWAII 96810

AUG 9 1974

Mr. Kazuyoshi Hayashida
Director & Chief Engineer
Department of Public Works
City and County of Honolulu
City Hall
Honolulu, Hawaii 96813

Dear Mr. Hayashida:

Subject: Draft Environmental Impact Statement for the
Proposed Waipahu Uka Elementary School

Thank you for your June 12, 1974 letter to the Office of
Environmental Quality Control regarding the subject project.
Please be assured design of the school's drainage system will
be coordinated with the developer's off-site drainage system.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Rikio Nishioka".

RIKIO NISHIOKA
State Public Works Engineer

HI:jm

cc: Dr. R. Marland

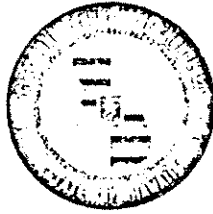
DEPARTMENT OF RECREATION
CITY AND COUNTY OF HONOLULU

1455 SOUTH BERETANIA STREET
HONOLULU, HAWAII 96814

RECEIVED

JUN 10 12 45 PM '74

PUBLIC WORKS DIV.
DAGS



YOUNG SUK KO
DIRECTOR

RAMON DURAN
DEPUTY DIRECTOR

FRANK F. FASI
MAYOR

PAUL DEVENS
MANAGING DIRECTOR

June 5, 1974

Office of Environmental
Quality Control
Office of the Governor
555 Halekauwila Street
Honolulu, Hawaii 96813

Gentlemen:

**SUBJECT: ENVIRONMENTAL IMPACT STATEMENT
WAIPAHU UKA ELEMENTARY SCHOOL/PARK SITE**

We have reviewed the environmental impact statement and concur with the selection of Alternate Site 1 for the Waipahu Uka Elementary School/Park site.

The population generated by the Oahu Sugar Co., Ltd., development would require a neighborhood type park to serve the recreational needs of the community. We will be requesting that the applicant dedicate the four-acre park site, graded and grassed with all off-site improvements, to the City in fee.

If adequate recreational areas and facilities are not provided for this development, we will recommend that approval of this development be denied.

Sincerely,

A handwritten signature in cursive script that reads "Young Suk Ko".

YOUNG SUK KO, Director

cc: Department of General Planning
Department of Land Utilization
Department of Accounting
and General Services
Department of Education, Facilities

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU
CITY HALL ANNEX
HONOLULU HAWAII 96813



FRANK P. FASI
MAYOR

PAUL DEVENS
MANAGING DIRECTOR

GEORGE C. VILLEGAS
DIRECTOR

ROY A. PARKER
DEPUTY DIRECTOR

PL-2576-74

June 21, 1974

Mr. Richard E. Marland
Office of Environmental
Quality Control
550 Halekauwila Street
Room 301
Honolulu, Hawaii 96813

Dear Mr. Marland:

Subject: Draft Environmental Impact
Statement for the Proposed
Waipahu Uka Elementary School

The Department of Transportation Services has no comment
on the subject draft EIS.

Very truly yours,

George C. Villegas
GEORGE C. VILLEGAS
Director

TRANSPORTATION
PLANNING
MARLAN BLINDALIER, P.E.
PH. 548-7823

BUS
SYSTEMS
ALBERT CHUN
PH. 848-7881

TRAFFIC
ENGINEERING
CLIFFORD NOHARA, P.E.
PH. 548-3288

ELECTRICAL & MAINTENANCE
SERVICES
KENNETH THONG, P.E.
PH. 548-2808

SAFETY &
EDUCATION
ROBERT H. BING JR.
PH. 548-2414