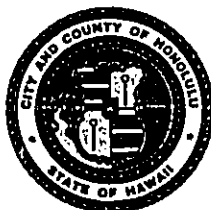


DEPARTMENT OF WASTEWATER MANAGEMENT
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK F. FASI
MAYOR

KENNETH M. RAPPOLT
DIRECTOR

FELIX B. LIMTIACO
DEPUTY DIRECTOR

WEP 93-386

August 19, 1993

Mr. Brian J. J. Choy, Director
Office of Environmental Quality Control
220 South King Street, 4th Floor
Honolulu, Hawaii 96813

Dear Mr. Choy:

Subject: Final Environmental Assessment (EA) in Anticipation of a
Negative Declaration for the Proposed Septage Handling Facilities
at the Paalaa-Kai Wastewater Treatment Plant (WWTP)
Waialua, Hawaii, Tax Map Key: 6-6-34: 33, 35

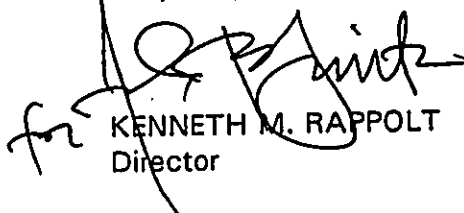
This letter constitutes a notice of determination by this department after the potential impacts of the proposed project have been assessed according to Title 11, Chapter 200, Environmental Impact Statement Rules, and Chapter 343, of the Hawaii Revised Statutes relating to Environmental Impact Statements. The determination has been made that an environmental impact statement is not required based on the environmental assessment prepared by our consultants, Parametrix, Inc.

Based on our determination, we are filing a Final EA in anticipation of a Negative Declaration. The department is submitting with this transmittal, four copies of the Final EA and an OEQC publication form for this project.

We are requesting publication in your OEQC Bulletin of September 8, 1993.

Should there be any questions, please have your staff contact Mr. Robert Ishida at 527-5847.

Very truly yours,


KENNETH M. RAPPOLT
Director

Attachments

1993-~~09~~09-08-0A-~~FEA~~ Paalaa Kai Wastewater Treatment SEP - 8
Plat Septic Handling Facilities

Final Environmental Assessment
This Environmental Assessment prepared pursuant
to Chapter 343, Hawaii Revised Statutes (HRS)

For The

Septage Facilities on Oahu

North Shore WWTP Tributary Area Paalaa-Kai WWTP

TMK: 6-6-34: 33, 35
Waialua, Oahu, Hawaii

Proposing Agency:

Department of Wastewater Management
City and County of Honolulu
650 S. King Street
Honolulu, HI 96813

Responsible Official: _____

Kenneth M. Rappolt
for Kenneth M. Rappolt, Director

8/18/93

Date

Prepared For:
Department of Wastewater Management

City and County of Honolulu

Prepared By
Parametrix, Inc.

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EXHIBIT

Correspondence - Agencies Consulted

I. SUMMARY

**CHAPTER 343, HRS
ENVIRONMENTAL ASSESSMENT (EA)**

Action: Agency

Proposing Agency: Department of Public Works
City & County of Honolulu

Project Name: North Shore Septage Facilities: Paalaa-Kai WWTP

Project Description: The Paalaa-Kai Waste Water Treatment Plant (WWTP) is being evaluated to determine the potential impacts that proposed septage handling and processing facilities will have on the long range operations on the North Shore. The proposed septage treatment facility will consist of the following:

(2) receiving stations consisting of an inlet box and concrete apron;
aerated grit removal tank;
comminutor grinder;
influent pump station;
dual sequencing batch reactors for batch treatment of the septage;
effluent pump station;
dual aerobic digestors;
digested sludge precipitators and holding tank;
vertical screw press facility;
thickened sludge pump station;
sludge drying beds;
odor control units consisting of chemical oxidation scrubbers and activated carbon adsorption units;
and other related units.

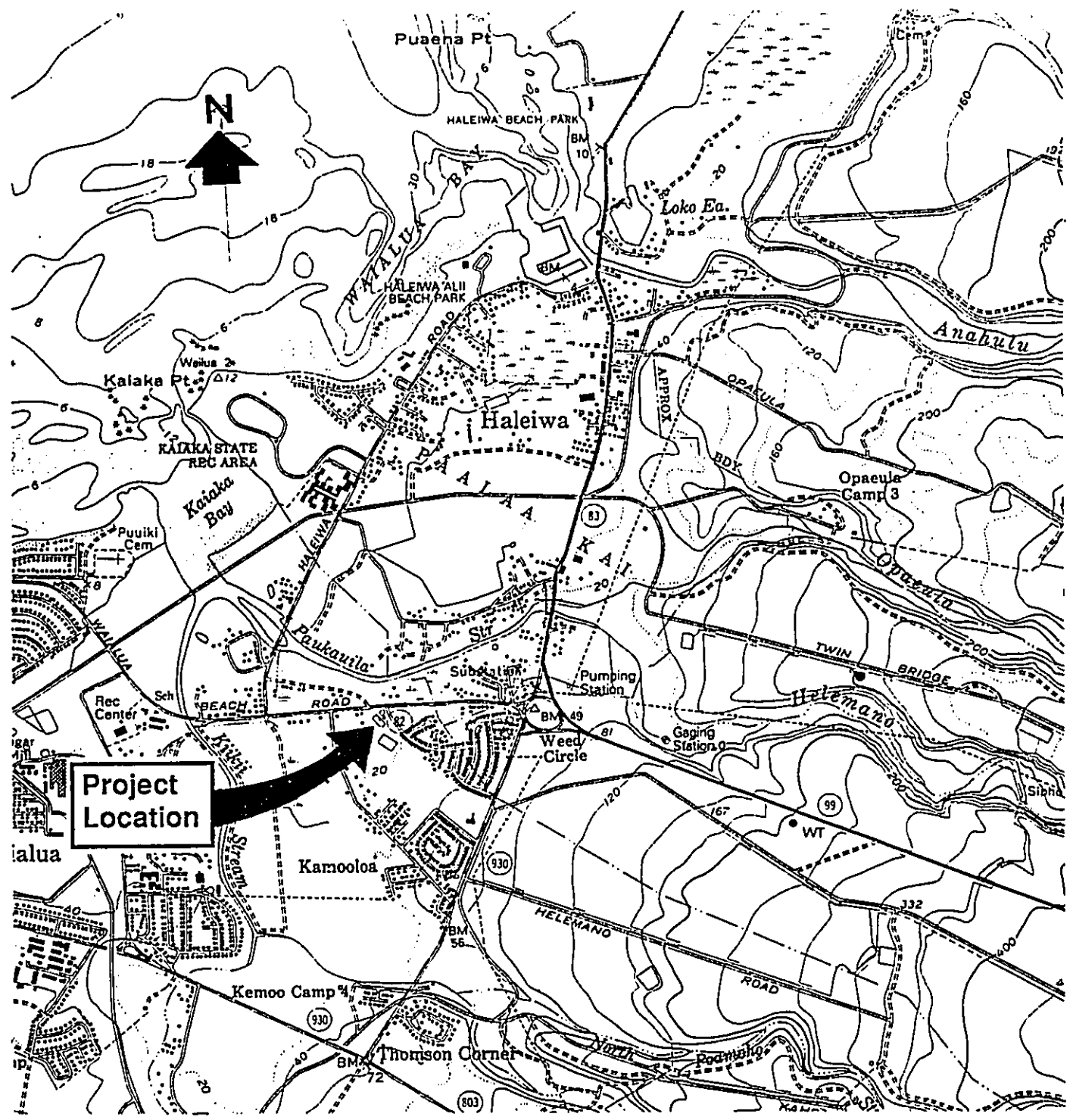
Project Location: Waialua-Haleiwa Paalaa-Kai WWTP, Waialua, Oahu
(See Figure 1)

Tax Map Key: 6-6-34: 33, 35

Area: 44,412 square feet

State Land Use Designation: Urban

*North Shore Septage Facilities:
Paalaa-Kai WWTP*



Parametrix, Inc.
Septage Facilities on Oahu North Shore, Tributary Area
Haleiwa / Waialua

Location Map

PMX 22-2096-02

Figure 1
Page 2

County Zoning
Designation: AG-1

County Development Plan
North Shore Land Use
Map Designation: Public Facility

Landowner: City & County of Honolulu

Contact: F. J. Rodriguez
c/o Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813
Tel. (808) 524-0594

II. PROJECT DESCRIPTION

A. Technical Characteristics

1. The septage wastes generated within the North Shore service area are primarily cesspool septage, septic tank waste, waste activated sludge (WAS) and preloader waste from private treatment plants. Small quantities of chemical toilet waste and grease trap waste are also generated in the sparsely populated service area. Individually, each type of waste exhibits different characteristics; in general, however, the wastes are highly variable, anaerobic, high strength wastes.
2. Septage handling and treatment fall into three general categories: land disposal; independent treatment facilities; and handling at wastewater treatment plants. In a City & County of Honolulu conducted study entitled "Septage Facilities on Oahu North Shore Tributary Area Parametrix, Inc., December, 1992", it was concluded that handling septage at existing WWTP was the most economically cost effective and environmentally sound method of handling septage. For the North Shore service area, a minimum of two septage treatment facilities was considered necessary for the following reasons:
 - shorter hauling distances with associated higher efficiencies in truck and labor usage.
 - improved compatibility with the long term plan for septage treatment and handling a regional and sub regional wastewater treatment facilities.

The two septage treatment facilities would be at the Paalaa-Kai WWTP (the subject of this E.A.) and the second would be at the Kahuku WWTP.

The septage facilities are needed to relieve existing treatment plants from present overload conditions and to reduce the hauling distance for municipal and private pumpers serving the North Shore service area.

Septage generated within the North Shore Service area consists primarily of cesspool septage. A highly concentrated wastewater, septage is traditionally treated by processes used at WWTPs. The handling of septage, however, is markedly different from domestic sewage and requires special consideration for proper design of receiving and handling facilities. Considerations for treating septage at a WWTP are:

- a. Ability of the plant to accommodate septage
- b. Addition to liquid and solid waste handling stream

- c. Mode of waste input
 - d. Receiving station
 - Waste discharge station
 - Pre treatment
 - e. Substances which could inhibit microbiological activity
 - f. Odor Control
3. Addition of a highly concentrated waste such as septage in relatively small quantities can substantially increase the organic and solids loading at a WWTP. The volume of septage that can be handled is generally dependent on three major factors:
- a. The volume and nature of the waste flow
 - b. Biological oxidation capacity of the plant
 - c. Solids handling capacity of the plant
4. There are two methods of handling septage at a WWTP:
- a. Addition to the liquid treatment stream;
 - b. Addition to the solids handling stream

In general, septage input into the headworks of a treatment plant liquid stream is desirable since the majority of the solids can be removed with the primary sludge. This is particularly true at plants with primary clarification. At secondary treatment plants without primary sedimentation, addition of septage to the liquid stream can overload biological processes resulting in major process upsets and poor effluent quality. At these secondary treatment plants, addition to the solids handling stream would be more appropriate.

B. Social and Economic Characteristics

Discharge of cesspool septage at the North Shore WWTP are as follows:

Paalaa-Kai WWTP is limited to municipal pumper trucks only. Private haulers must transport wastes to the Honouliuli WWTP for treatment and disposal. A new treatment facility recently completed at the Turtle Bay Resort consists of a new aerated pond treatment facility. The system has not yet been accepted by the City & County DWWM for operation and maintenance. Originally, the Paalaa-Kai WWTP was designed and

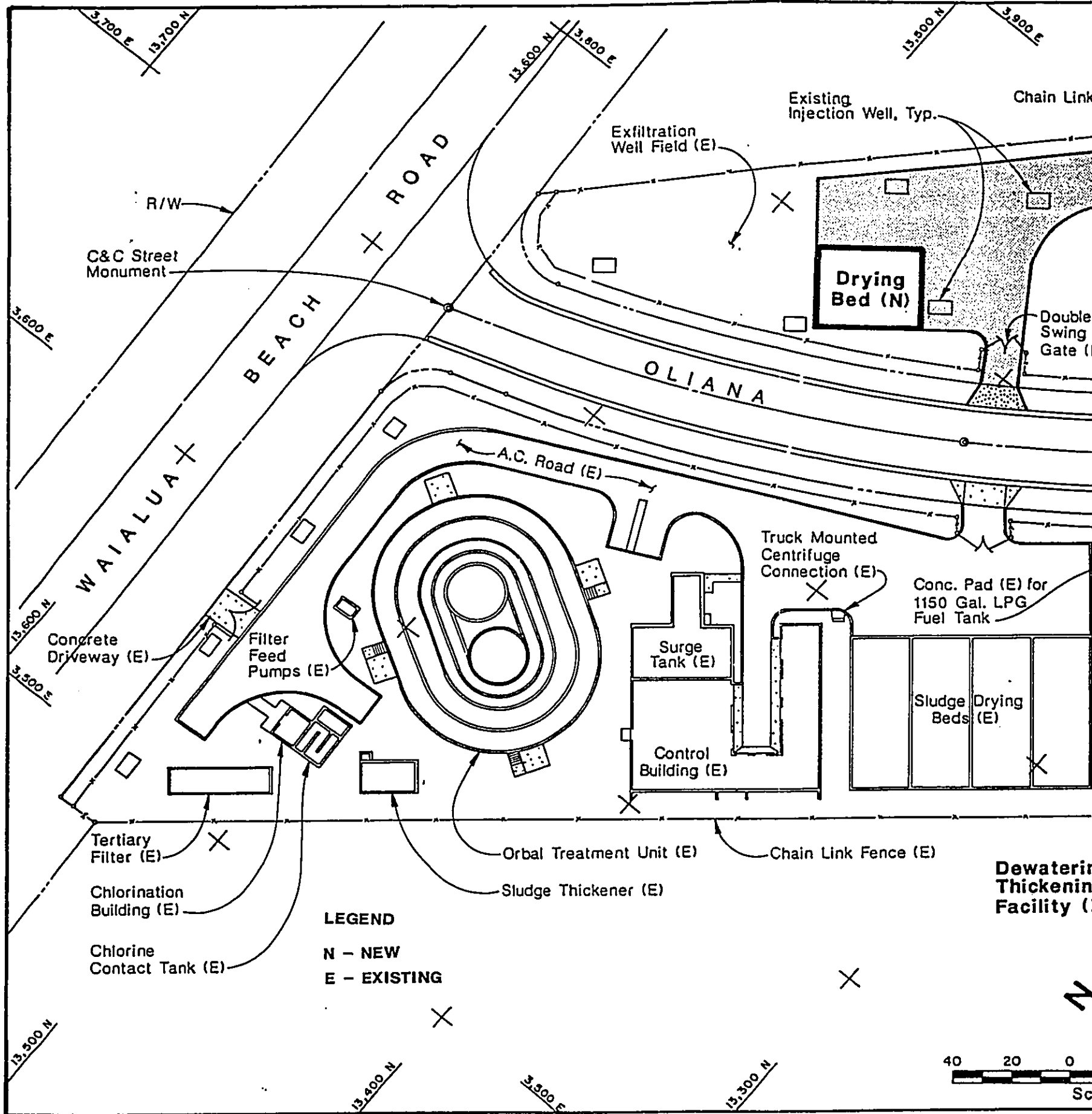
built as an advanced secondary treatment facility designed for an average daily flow of 122,800 gallons per day (gpd). It serves a residential subdivision consisting of 307 homes, and was constructed as part of the housing development and subsequently dedicated to the City. (See Figure 2) The treatment plant is a temporary facility to provide wastewater treatment for the housing development until connection to the proposed regional Waialua-Haleiwa WWTP is completed. The facilities plan for the regional Waialua-Haleiwa WWTP has been completed but not yet adopted by the City.

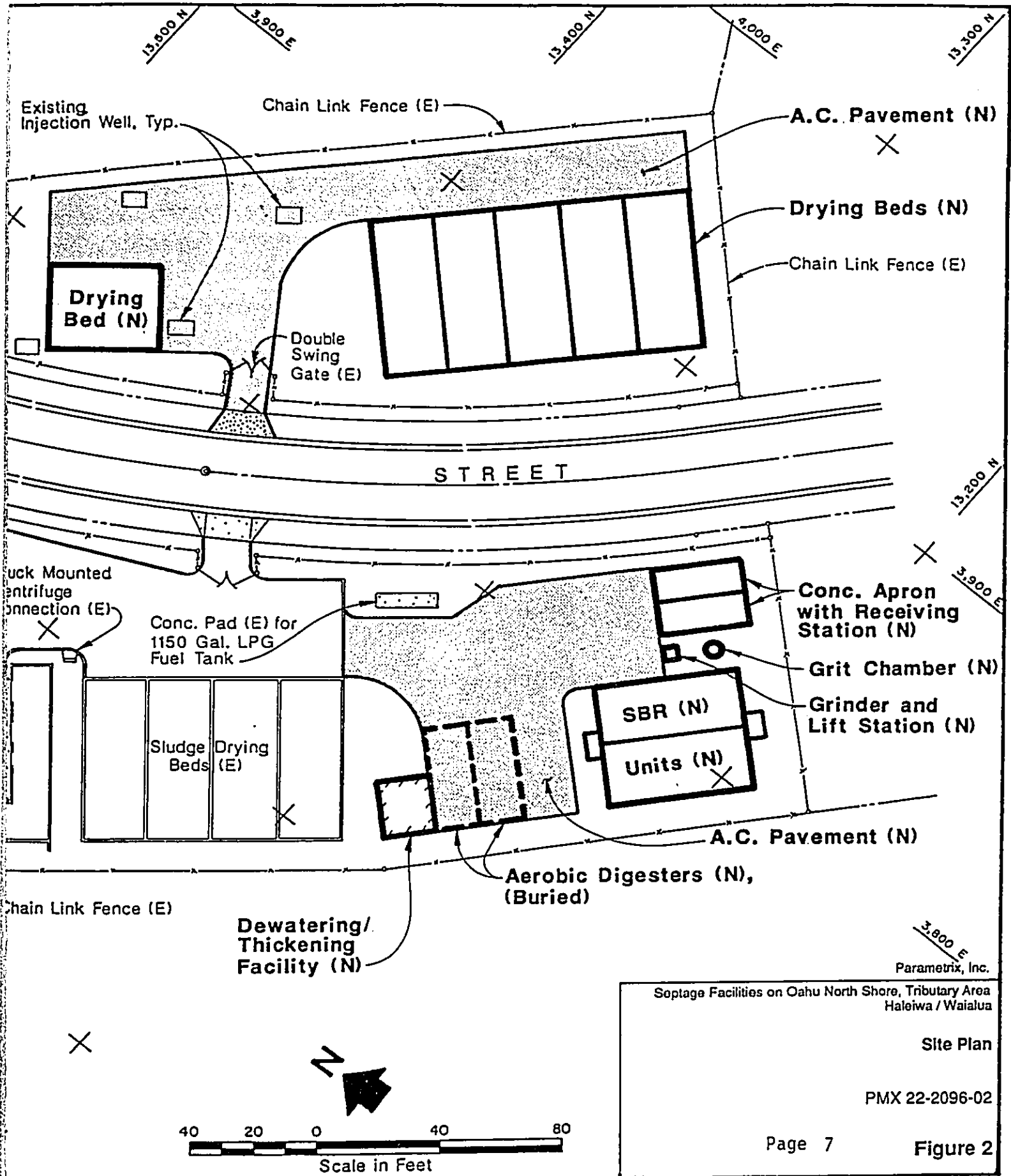
Schedule/Design Capacity:

The schedule for implementation of the plan and construction of the proposed treatment plant is therefore uncertain. Present average daily wastewater flow is approximately 130,000 gpd and slightly exceeds the plant design average flow capacity. The plant receives 20 to 30 loads of cesspool septage daily. At 2000 gallons per load, the cesspool septage inflow is approximately 40,000 to 60,000 gpd. The current average daily flow of 130,000 gpd includes this septage flow. Because the Kahuku WWTP can only accommodate a maximum of four loads of septage daily, septage from the Kahuku area is often rerouted and discharged at Paalaa-Kai WWTP. The projected septage quantity generated strictly within the Waialua-Haleiwa district, at 935,000 gallons per month is equivalent to 42,500 gpd, and this is based on 22 working days per month. However, the estimated strength of the projected Waialua-Haleiwa septage is significantly higher than the weak cesspool septage presently being handled. As a result, the estimated waste loadings to the treatment plant are substantially higher than current septage waste loadings.

C. Environmental Characteristics

1. Cesspool septage - can be described as a highly variable anaerobic waste having a high solids and organic content. For a properly operating cesspool, cleaning would be required very infrequently, approximately in the range of once every 10-20 years. Cesspool failure, as characterized by sewer backups and or diminished sewer capacity, can occur due to high groundwater levels, poor soil conditions, and clogging of sidewall openings by solids deposition or microorganisms growth. Cesspool failure generally requires pumping to remove accumulated waste liquids and solids. High pressure washing or chemical additives are sometimes used to remove solids, grease or growths from the sidewalls. The waste load generated from pumping a failed cesspool is cesspool septage.
2. Septic tank septage - can be described as a highly variable anaerobic slurry containing large amounts of grit and scum, high solids and organic content, and often an accumulation of heavy metals. It is also characterized by a highly offensive odor, the ability to foam, and poor settling and dewatering characteristics. The septic tank itself is the treatment component where scum and solids are





Parametrix, Inc.

Septage Facilities on Oahu North Shore, Tributary Area
Haleiwa / Waialua

Site Plan

PMX 22-2096-02

Page 7

Figure 2

separated from the wastewater providing a degree of treatment similar to a primary treatment process. The sludge and scum are retained within the tank where they undergo anaerobic stabilization, a digestion process. The partially clarified liquid flows to the disposal component comprised of a leaching field, seepage pit, or other effluent disposal systems. Solids retained within the septic tank are anaerobically digested, stabilizing and reducing the solids volume. The solids accumulation can reach a point where cleaning is required to prevent solids carryover and clogging of the disposal system. The mixture of partially digested solids and wastewater removed from the septic tank comprise septic tank septage. Septic tank cleaning frequency ranges from once every year to once every five years, with an average of once every three years.

3. Waste activated sludge - There are approximately 27 private wastewater treatment plants located within the North Shore Service Area. These private facilities range from multiple housing units arranged in parallel, to package extended aeration activated sludge plants, to large facultative lagoons. Two types of waste are generated by private treatment plants: preloader waste, and waste activated sludge. Approximately 25 of the 27 private treatment facilities use a form of the activated sludge treatment process. The Turtle Bay WWTP and the Waialeale Farm WWTP are biological pond systems that essentially generate no excess solids for disposal at treatment plants. However, over time, stabilized sludge deposits at the bottom of the ponds may require removal and disposal. The majority of the private treatment plants use the extended aeration modification of the activated sludge process. This process generates a relatively low amount of excess solids; however, for efficient treatment, some excess solids, or waste activated sludge (WAS) must be removed on a regular basis. Because WAS amounts at private treatment plants are small, it is generally not feasible for these plants to have complete solids handling and disposal facilities.
4. Preloader Waste - are characterized as a variable, anaerobic, high strength waste that can contain large amounts of grit, hair, oil, and grease. Preloader wastes are captured at the influent end of the treatment plant and generally contain floatables, oil and grease, grit, and readily settleable materials. As determined in a previously conducted study (*Septage Facilities on Oahu North Shore Tributary Area, December, 1992*), preloaders are essentially septic tanks operating under high hydraulic loading rates. Based on the similarity between septic tanks and preloaders, preloader waste characteristics were assumed to be similar to septic tank septage.
5. Chemical Toilet Waste - On Oahu, chemical toilets are portable units that are typically used at locations such as construction sites, areas where permanent facilities are inadequate for a short term special event, and areas where permanent facilities are non-existent. Chemical toilet wastes are currently discharged into the municipal system at designated manholes. Within the North Shore area, discharge of chemical

of chemical toilet wastes into the municipal collection system is not allowed. In general, the waste must be transported to the Honouliuli WWTP or to designated manholes in Pearl City for discharge into the City's system.

6. Grease Trap Waste - Grease Traps are required by plumbing codes, the City's Sewer Ordinance, and are designed to separate fats, oils, and grease from wastewater flows from establishments such as restaurants prior to discharge into a sewage collection system. In general, the grease captured in a greases trap is primarily comprised of edible oils that separate readily from the wastewater and accumulate at the liquid surface. Grease buildup cause a number of problems including:

- coating and build up in sewer systems;
- excessive accumulation of floating materials;
- formation of grease balls in clarifiers;
- formation of dense scum layers in digesters; and
- poor effluent quality leading to coating and build up in effluent injection wells and reducing effluent disposal capacity.

III. AFFECTED ENVIRONMENT

A. Geographical Characteristics

1. Topography

The proposed Septage handling facility at the Paalaa-Kai WWTP is planned on two sides of the plant site. At the present time, the planned expansion will consist of approximately 44,412 square feet of structural improvements.

2. Soils

The Paalaa-Kai site is characterized "as Haleiwa Silty Clay (HeA) and is generally located in strips adjacent to the ocean. It consists of well drained soils on fans and in drainage ways along the coastal plains." USDA/SCS 8/72 Soil Survey of Islands of Kauai, Oahu, Molokai, and Lanai, State of Hawaii.

3. Vegetation

At the proposed location for the septage handling facility improvements, there are no varieties of vegetation as the Paalaa-Kai WWTP is an existing industrial facility. There are introduced species of plant material on the total parcel, but not at the septage facility location.

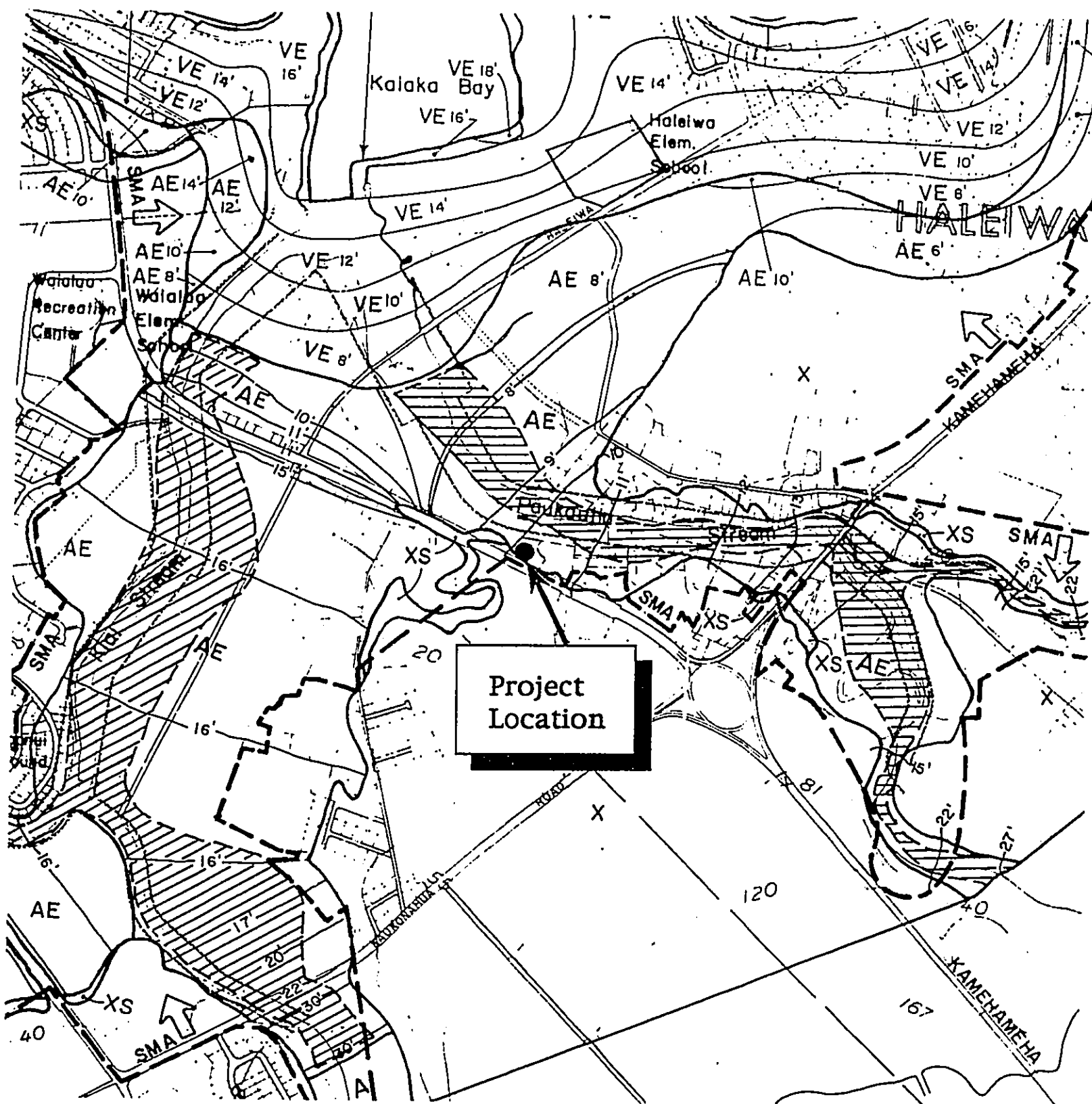
B. Hydrological Characteristics

1. Drainage

Onsite drainage will be provided with the existing system of drainage. The proposed improvements to provide septage handling will not increase drainage loading on the existing drainage system. In the event of accidental spills of the septage material, there are operational procedures that will mitigate the spillage and minimize the impacts into the adjacent coastal zone.

2. Coastal Zone Management Program/City & County Special Management Area (SMA) Use Permit

The City & County Department of Land Utilization Special Management Area (SMA) boundary maps include this project in the SMA zone. An SMA permit will be prepared and processed with the Department of Land Utilization. (See Figure 3) Compliance with the Coastal Zone Management Act is under the review jurisdiction of the Office of State Planning who will review this document to ensure compliance with the Coastal Zone Management Act.



Parametrix, Inc.
Septage Facilities on Oahu North Shore, Tributary Area
Haleiwa / Waialua
SMA Boundary Map
PMX 22-2096-02
Page 11 **Figure 3**

C. Biological Characteristics

The location of the proposed Septage Handling Facilities at the Paalaa-Kai WWTP is on fully improved and previously disturbed land. There will be little if any impacts to the existing biota due to this proposed project. Plant and animal species prevalent at the WWTP are exotic or introduced species and will not be affected by this project.

D. Historic and Archaeological Characteristics

The previously disturbed nature of the proposed Septage Facility site and the fact that the Paalaa-Kai WWTP is on previously cultivated agricultural lands, precludes the possibility of uncovering sites with historic or archaeological significance. In the event that sites are uncovered, construction work will be halted and the State Historic Preservation Division, Department of Land and Natural Resources will be advised.

IV. SUMMARY OF MAJOR IMPACTS AND MITIGATIVE MEASURES

A. Impacts

Impacts due to the implementation of the proposed project improvements can be considered in two areas: short and long term. Short term impacts generally result from construction related activities. These are of short duration and are related and limited to the construction phase of site improvements, i.e. on site and structural.

Topographic alterations will result from the onsite grading necessary to provide an even and stable building platform for the structural improvements. Construction related impacts would consist of clearing, grading and installation of utilities. Other onsite improvements will be to provide ready access for the septage vehicles to reach the unloading ports; the connection of the utilities; the onsite drainage improvements to tie in with the existing drainage system; and the perimeter fencing to secure the facilities since the project location is adjacent to the urban residential housing project.

Site preparation could result in minor but temporary exceedance of ambient noise and air quality standards. Final installation of the mechanical and structural improvements, including the mechanical hardware could also create minimal noise impacts.

Minor increases in commercial traffic due to the additional private and municipal vehicles will result due to the implementation of this septage handling facility project.

Odor control may become an operational problem due to the increased septage handling. With proper design and maintenance, however, the odor problems can be managed.

B. Mitigative Measures

Short term or construction related impacts will be contractor's responsibility to adhere to the State Department of Health Regulations on Community Noise for Oahu. This will be done by avoiding the "gunning" of equipment; working only during the normal operating hours of 7:00 a.m. to 3:30 p.m.; and installing appropriate muffler noise abatement devices on all construction equipment. Fugitive Dust control will be abated by adhering to the State Department of Health Regulations on Air Quality. Abatement measures will include frequent street watering; use of dust control materials; and minimizing open earthwork areas.

Traffic Control: The contractor will be required to provide and maintain, adequate traffic mitigative measures for the adjacent residential community so that morning and evening peak traffic flows are not impacted. This should not be a significant problem since construction will commence at the normal hours of 7:00 a.m. to 3:30 p.m. and most outbound traffic is already on the road. Flagmen or off-duty HPD officers can also

be used to control specific traffic periods if heavy equipment or materials are being loaded or unloaded at the Site.

Odor Control: An odor control Facility will be installed to mitigate the impacts of normal treatment plant operations.

V. ALTERNATIVES CONSIDERED

Alternatives

The selected site location has taken into consideration the existing operations at Paalaa-Kai WWTP and the decision to place the Septage Facilities at the designated location was based on the use which requires ready ingress and egress for septage vehicles. Other areas evaluated and discarded due to the potential traffic congestion and economic cost benefits due to distances that would result include:

- Turtle Bay WWTP
- Kahuku WWTP
- Laie WWTP
- Wahiawa WWTP
- Honouliuli WWTP

These included the "No Action" alternative, and selecting a separate location.

The "No Action" alternative would have resulted in the selected site remaining unused and the volume of septage continuing to be a problem for treatment and disposal.

A new and separate site would not have been cost effective since the septage treatment process requires wastewater treatment capabilities.

The septage facilities are needed to relieve the existing treatment plants from their present overload conditions and to reduce the handling distances for municipal and private septage hauler trucks servicing the North Shore Tributary Area. Although the current situation at the treatment plants is tolerable, a properly designed septage handling and treatment facility is not only more desirable, but is more efficient and cost effective.

VI. DETERMINATION, FINDINGS, AND REASONS SUPPORTING DETERMINATION

After completing an assessment of the potential environmental effects of the proposed action, and consulting with other government agencies, it has been determined that a Notice of Negative Declaration can be anticipated. This will be completed after the pre-agency consultation period and the Draft Environmental Assessment has been published in the OEQC Bulletin. The policies, guidelines, and provisions of Chapters 342, 343, and 344 Hawaii Revised Statutes were consulted in the evaluation process.

1. The proposed project will not adversely affect the physical and social environment. There may be minor discomfort and annoyances to the Waialua Beach Road and Oliana Street traffic during construction, but these will be mitigated by adherence to applicable City traffic control ordinances.
2. There will be no permanent degradation of the existing ambient air quality and community noise levels. During the construction phase, the air and noise standards will be temporarily affected, but these effects will be temporary and short term in nature. Operational controls on noise and odor control will be treated by odor control and noise abatement measures. No increased controls for odor control and noise are anticipated.
3. Residences will be disrupted temporarily by the project construction. The site is part of the Paalaa-Kai WWTP and the Septage Handling Facility is a consistent use and compatible with the overall WWTP.
4. There are no endangered plant species on the project site, and the prevailing flora and fauna are exotic or introduced species.
5. There are no known natural, historic, or archaeological sites within the project's metes and bounds.
6. The project will not be consistent with the prevailing Land Use District Agricultural designation; however, the Development Plan Facilities Map and the Zoning designation of AG-1 will permit this project as part of the existing WWTP.
7. There are no significant adverse secondary effects on population, future development, and public facilities due to this project.

VII.LIST OF PREPARERS

Parametrix, Inc.

Hawaii Pacific Engineers, Inc.

VIII. FUNDING AND PHASING

This Project will be funded entirely by the applicant, the Department of Public Works, Division of Wastewater Management, City & County of Honolulu. All improvements will be designed and built to County Building code standards. Construction will commence after all required permits have been processed and completed. Construction costs are estimated to be \$3,900,000.00 with the funding to be from the City & County of Honolulu. The work will be completed in one phase.

**IX. LIST OF AGENCIES CONSULTED DURING THE PREPARATION OF
THE ENVIRONMENTAL ASSESSMENT**

ORGANIZATIONS AND AGENCIES:

<u>Agency</u>	<u>Date of Consultation</u>	<u>Date Comment Received</u>
<u>State of Hawaii</u>		
Mr. Harold Masumoto, Director Office of State Planning		5-3-93
Mr. Keith W. Ahue, Chair State Dept. of Land & Natural Resources		
Dr. Bruce Anderson, Dep. Director State Dept. of Health		
Mr. T. Harano, Chief Highways Division State Dept. of Transportation		
Mr. Mufi Hanneman, Director Department of Business & Economic Development		4-27-93
<u>City & County of Honolulu</u>		
Mr. Robin Foster Dept. of General Planning		4-30-93
Mr. Donald A. Clegg, Director Dept. of Land Utilization		
Mr. C. Michael Street, Ch. Engr. Dept. of Public Works		
Mr. Joseph N. Magaldi, Director Dept. of Trans. Services		
Mr. Michael S. Nakamura, Chief Honolulu Police Department		4-20-93
Mr. Donald Chang, Chief Honolulu Fire Department		4-19-93
 <i>North Shore Septage Facilities: Paalaa-Kai WWTP</i>	 <i>19</i>	 <i>March 30, 1993</i>

Agency	Date of Consultation	Date Comment Received
Mr. Kazu Hayashida, Manager Board of Water Supply		4-27-93
Ms. Rene Mansho City Council		4-7-93
North Shore Neighborhood Board #27		

*North Shore Septage Facilities:
Paalaa-Kai WWTP*

20

March 30, 1993

FIRE DEPARTMENT
CITY AND COUNTY OF HONOLULU
3378 PAALAA STREET SUITE 403
HONOLULU HAWAII 96813



FRANK P. FARI
CHIEF

PARAMATRIX, INC.
HONOLULU
DONALD S.M. CHANG
FIRE CHIEF
RICHARD E. SETO-NOOK
DEPUTY FIRE CHIEF

April 14, 1993

Mr. F. J. Rodriguez
Paramatrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Dear Mr. Rodriguez:

SUBJECT: PAALAA-KAI SEPTAGE HANDLING FACILITIES
Environmental Assessment Pre-Agency Review
PMC Project No.: 22-2096-02

We have reviewed the subject material provided and foresee no adverse impact in Fire Department facilities or services.

Access for fire apparatus, water supply and building construction shall be in conformance to existing codes and standards.

Should you have any questions, please call Assistant Chief Attilio Leonard of our Administrative Services Bureau at 831-7775.

Very truly yours,

DONALD S.M. CHANG
Fire Chief

AKL:my

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
200 SOUTH KING STREET
HONOLULU HAWAII 96813



C. MICHAEL STREET
DIRECTOR AND CHIEF ENGINEER
FELICE LAMFICO
DEPUTY DIRECTOR

WEP 93-134

April 22, 1993

MEMORANDUM

TO: MR. DONALD S.M. CHANG, CHIEF
FIRE DEPARTMENT

FROM: C. MICHAEL STREET, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

SUBJECT: ENVIRONMENTAL ASSESSMENTS PRE-AGENCY REVIEW FOR
PAALAA-KAI SEPTAGE HANDLING FACILITIES

We have received your department comments dated April 14, 1993 for the subject project and respond as follows:

1. All access for fire apparatus, water supply, and building construction shall be in conformance with existing codes and standards.
2. The department position of no adverse impact in Fire Department facilities or services is duly noted.

Thank you for your timely comments and continuing cooperation.

C. MICHAEL STREET
Director and Chief Engineer

POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU
801 SOUTH KEEPAKIA STREET
HONOLULU, HAWAII 96813 - AREA CODE (808) 521-3111



FRANK F. JASI
MAYOR

OUR REFERENCE BS-LK

April 19, 1993

Mr. F. J. Rodriguez
Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Dear Mr. Rodriguez:

This is in response to your letter of March 30, 1993 about
sewage facilities at the Paalaa-Kai Waste Water Treatment Plant.

The Honolulu Police Department notes that mitigative measures
will be employed to minimize dust, noise, odor, and traffic
problems, which would be our major concerns. We have no other
comments at this time.

Thank you for the opportunity to review this document.

Sincerely,
MICHAEL S. NAKAMURA
Chief of Police

By *Eugene Uehura*
EUGENE UEHURA
Assistant Chief of Police
Administrative Bureau

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
430 SOUTH KING STREET
HONOLULU, HAWAII 96813



GRAND PASH
MAYOR

C. MICHAEL STREET
DIRECTOR AND CHIEF ENGINEER
POLICE AND CHIEF ENGINEER

WEP 93-137

April 23, 1993

MEMORANDUM

TO: MICHAEL S. NAKAMURA, CHIEF OF POLICE
HONOLULU POLICE DEPARTMENT

FROM: C. MICHAEL STREET
DIRECTOR AND CHIEF ENGINEER

SUBJECT: ENVIRONMENTAL ASSESSMENTS PRE-AGENCY REVIEW FOR
PAALAA-KAI SEWAGE HANDLING FACILITIES

We have received your department comments dated April 19, 1993 on
the above project and respond as follows:

Mitigative measures will be employed to minimize dust,
noise, odor and traffic problems.

Thank you for your timely comments and continuing cooperation.

C. Michael Street
C. MICHAEL STREET
Director and Chief Engineer

BOARD OF WATER UTILITIES
CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HAWAII 96813



FRANK F. FASO, Mayor
WALTER D. WATSON, JR., Chairman
LAURICE H. TALAUAIG, Vice Chairman
SISTER M. DAVIDSON, O.S.F.
JOHN W. JOHNSON, Jr.
REED JOHNSON
MELISSA T. LUM
C. MICHAEL STREET
KAZU HAYASHIDA
Manager and Chief Engineer

April 21, 1993

Mr. F.J. Rodriguez
Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Dear Mr. Rodriguez:

Subject: Your Letter of March 30, 1993 on the Environmental Assessment Pre-Agency Review for the Paalaa-Kai Septage Handling Facilities at the Paalaa-Kai Wastewater Treatment Plant (WWTP), PMX Project No. 22-2096-02, Waialua, Oahu. TMK: 6-6-34-33-34

Thank you for the opportunity to review and comment on the proposed project to construct additional septage handling facilities at the WWTP.

We have no objections to the proposed project and anticipate no adverse impacts to our water system facilities in the area.

If you have any questions, please contact Roy Doi at 527-5121.

Very truly yours,

KAZU HAYASHIDA
Manager and Chief Engineer

cc: Robert Ishida
(Department of Public Works)

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
510 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK F. FASO
MAYOR

C. MICHAEL STREET
DIRECTOR AND CHIEF ENGINEER
TELUS & LIMITED CO.
800-777-8220

May 6, 1993

HEP 93-153

MEMORANDUM

TO: MR. KAZU HAYASHIDA, MANAGER AND CHIEF ENGINEER
BOARD OF WATER SUPPLY

FROM: C. MICHAEL STREET, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

SUBJECT: SEPTAGE HANDLING FACILITIES ON OAHU:
~~PAALAA-KAI WASTEWATER TREATMENT PLANT~~

We have received your agency comments dated April 21, 1993 on the above proposed project and respond as follows:

We acknowledge the BWS position that states "The proposed project will have no adverse impacts to the BWS water system facilities, and there are no objections to the project."

Thank you for your timely comments and continuing cooperation.

C. MICHAEL STREET
Director and Chief Engineer

Route through MD for M's Support. Please refer to 2:32 PM 193. I don't have a letter.

CITY COUNCIL
 CITY AND COUNTY OF HONOLULU
 HONOLULU, HAWAII 96813-3065 / TELEPHONE 523-4000

93-1821 Div 104-18

WWW

33C Branch

RENE MANSHO
 CHAIRMAN
 BOARD OF TRANSPORTATION
 COMMITTEE
 (808) 523-4000

March 29, 1993

RECEIVED
 APR 1 9 11 AM '93

Mr. C. Michael Street
 Director and Chief Engineer
 Department of Public Works
 City and County of Honolulu
 650 So. King St. 11th Floor
 Honolulu, HI 96813

April 27, 1993

WEP 93-120

The Honorable Rene Mansho
 Councilmember
 City Council
 City and County of Honolulu
 Honolulu, Hawaii 96813

Dear Mr. Street:

SUBJECT: Paalaa Kai Wastewater Treatment Plant/Septage Facility

I have received calls from residents in the community surrounding the Paalaa Kai Treatment Plant expressing their concern with reports of the proposed construction of a septage facility at Paalaa Kai. They have heard that sewage and sludge from the Kahuku Wastewater Treatment Plant will be processed at this facility.

The major concerns of the community are the increased pump truck traffic on Waialua Beach Road entering the facility and an increase in odor, which they feel will lower their property values.

It is my understanding that an Environmental Assessment is planned for the project. I would appreciate a clarification of the following:

- 1) Scope of the project. Will sewage be trucked from Kahuku? How many additional trucks are expected? What measures can or will be taken to address the question of odor?
- 2) What is the timetable of the project? Will community input be solicited?

Thank you for your cooperation in responding to these community concerns. I look forward to your reply.

Sincerely,
Rene Mansho
 RENE MANSHO
 Councilmember, District I

RM:at
 cc: Jeremy Harris

Dear Councilmember Mansho:

Subject: North Shore Septage Handling Facilities
Paalaa Kai Wastewater Treatment Plant

Our response to your letter of March 29, 1993, is as follows:

1. Scope of the project. Will sewage be trucked from Kahuku? How many additional trucks are expected? What measures can or will be taken to address the question of odor?

Scope of the project: The primary objective of the project is to develop cost effective and acceptable septage handling facilities for the North Shore area. Presently, septage wastes such as cesspool septage and septic tank septage are already being discharged into the collection systems of the Paalaa Kai and Kahuku Wastewater treatment plants. Two completely separate septage handling facilities will be built at these treatment plants to relieve the present overload conditions, and also to maintain the present hauling distance for municipal and private pumpers serving the North Shore area. If the septage handling facilities are not built in the North Shore area, the haulers will be required to transport their septage to the Honouliuli Wastewater Treatment Plant (WWTP). Construction of the facilities at the existing treatment plants would involve extension of the current land use rather than a change in land use elsewhere. Thus, the septage handling facilities will be constructed much more expeditiously.

Will sewage be trucked from Kahuku? Although the Preliminary Engineering Report recommends that treated sludge be trucked to the Paalaa Kai WWTP, trucking of treated sludge from the Kahuku WWTP to the Paalaa Kai WWTP will not be considered. In designing the facilities, we shall consider the following options in the final design:

The Honorable Rene Mansho - 2 -

April 27, 1993

- A. Provide new sludge drying beds utilizing a thermoplastic filter module within the designated Kahuku Septage Handling Facility area although the space is limited.
- B. Convert the two (2) existing Kahuku WTP sand drying beds to thermoplastic filter beds to enhance the drying time to accommodate the additional sludge from the septage handling facility.
- C. Acquire a larger land area at the Kahuku facility to provide adequately sized sludge drying beds.
- D. Provide sludge drying beds at the Kaneohe and/or Ahuimanu WTPs to receive treated sludge from the Kahuku Septage Handling Facility.
- E. Consider hauling treated sludge from the Kahuku Septage Handling Facility to the Kailua and/or Honouliuli WTPs.

How many additional trucks are expected? We do not foresee any additional trucks to be hauling septage and sludge originating from the Kahuku Facility for the reasons explained above.

What measures can or will be taken to address the question of odor? The tanks for the septage handling facilities will be covered and odor control systems with chemical scrubbers will be provided to prevent odor nuisance.

2. What is the timetable of the project? Will community input be solicited?

What is the timetable of the project? The tentative timetable of the project is as follows:

Start Design: May 1993
Complete Design: Summer 1994
Start Construction: Fall 1994
Complete Construction: Fall 1996

Will community input be solicited? Community input will be solicited during the environmental document processing in accordance with Chapter 342, HRS. We will consider any other means for community input as necessary.

The Honorable Rene Mansho - 3 -

April 27, 1993

We trust the information we have provided satisfies your concerns. If you have any further questions, please call me at extension 4341.

Very truly yours,

Richard Street
C: MICHAEL STREET
Director and Chief Engineer

APPROVED:

Jeremy Harris
JEREMY HARRIS
Managing Director

bcc: Managing Director
/Wastewater Management (E&C Br.)

RI: jlp

PLANNING DEPARTMENT
CITY AND COUNTY OF HONOLULU
430 SOUTH KING STREET
HONOLULU, HAWAII 96813

RECEIVED
APR 30 1993



FRANK FOSTER
CHIEF PLANNING OFFICER
430 SOUTH KING STREET
HONOLULU, HAWAII 96813

PARAMETRIX, INC.
HONOLULU

April 28, 1993

Mr. F. J. Rodriguez
Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Dear Mr. Rodriguez:

Preliminary Draft Environmental Assessment
for the Septage Handling Facilities
at the Paalaa-Kai Waste Water Treatment Plant
Tax Map Key: 6-6-34: 33, 34

The Planning Department has reviewed the subject document
and offers the following comments:

1. The proposed project is designated "Public Facility" on the North Shore Development Plan (DP) Land Use Map. This designation should be included in the "Summary" section of the proposed project.
2. The North Shore Development Plan (DP) Public Facilities Map was recently amended by Ordinance 91-43 to allow for sewage treatment plant improvements to accommodate septage handling at the Paalaa-Kai Waste Water Treatment Plant.

Thank you for the opportunity to comment. Should you have any questions, please contact Mel Murakami of our staff at 527-6020.

Robin Foster
ROBIN FOSTER
Chief Planning Officer

RF:ft

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
430 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK FOSTER
CHIEF PLANNING OFFICER
430 SOUTH KING STREET
HONOLULU, HAWAII 96813

May 7, 1993

WEP 93-163

MEMORANDUM

TO: MR. ROBIN FOSTER, CHIEF PLANNING OFFICER
PLANNING DEPARTMENT

FROM: C. MICHAEL STREET, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

SUBJECT: PRE-AGENCY ENVIRONMENTAL ASSESSMENT FOR THE PROPOSED
SEPTAGE HANDLING FACILITIES AT PAALAA-KAI WASTEWATER
TREATMENT PLANT. TAX MAP KEY: 6-6-34: 33, 34

We have received your department comments dated April 28, 1993
and we respond as follows:

Inclusion of the Development Plan Land Use map indicating "Public
Facility" has been made in the Summary section of the E.A.
document. We have attached a copy for your files.

Thank you for your timely comments and continuing cooperation.

C. Michael Street
C. MICHAEL STREET
Director and Chief Engineer

Attachments



OFFICE OF STATE PLANNING

Office of the Governor
MAILING ADDRESS: P.O. BOX 2448, HONOLULU, HAWAII 96813
STREET ADDRESS: THE SOUTH MOLEL STREET, CITY FLOOR
TELEPHONE: (808) 541-3344, 541-7900

Ref. No. C-8

RECEIVED
MAY 5 1993

April 29, 1993

PARAMETRIX, INC.
HONOLULU

Parametrix, Inc.
1164 Bishop Street, Suite 1600 -
Honolulu, Hawaii 96813

Attn: F.J. Rodriguez

Dear Mr. Rodriguez:

We received your three letters of March 30, 1993, soliciting comments and concerns regarding the draft Environmental Assessments (EA) for the proposed Septage Facilities at the Kahuku, Paalaa-Kal, and Sand Island Waste Water Treatment Plants (MWT), and we have the following response.

The draft EAs correctly state all three MWTs are located within the Special Management Area (SMA) of Oahu, and thus will require permits processed by the Department of Land Utilization. However, the Office of State Planning, as lead agency for Hawaii's Coastal Zone Management Program, and not the Department of Business, Economic Development, and Tourism as stated in the draft EAs, routinely monitors the processing of SMA permits by the various counties. Finally, involvement of Federal funds, as stated in the draft EAs, is not the sole determinant of whether this project must comply with the Coastal Zone Management Act. The federal Coastal Zone Management Act of 1972, as amended, provides that many federal actions, such as the granting of federal permits and licenses, must comply with the approved Coastal Zone Management program of the respective state.

If you have any questions, please contact our Coastal Zone Management Program at 587-2876.

Sincerely,

Harold S. Masumoto
Harold S. Masumoto
Director

CITY AND COUNTY OF HONOLULU

DEPARTMENT OF PUBLIC WORKS
850 EDUARDING STREET
HONOLULU, HAWAII 96813



May 6, 1993

Mr. Harold S. Masumoto, Director
Office of State Planning
P. O. Box 3540
Honolulu, Hawaii 96811-3540

Dear Mr. Masumoto:

Subject: Pre-Agency Comments on Septage Handling Facilities at Paalaa-Kal Wastewater Treatment Plant

We have received your agency comments dated April 29, 1993 on the above proposed project and we respond as follows:

1. Revisions to the Draft E.A. document will be made to correct the incorrect reference to the Coastal Zone Management Act review jurisdiction. We direct you to the revisions which are attached.

Thank you for your timely response and continuing cooperation.

Very truly yours,
C. Michael Street
C. MICHAEL STREET
for Director and Chief Engineer

Attachments

C. MICHAEL STREET
REGISTERED PROFESSIONAL ENGINEER
FELIX B. LIMBICO
REGISTERED ARCHITECT
WEP 93-156

RECEIVED
APR 27 1993

KOHI WAI
MUII HONOLULU
BARBARA KAMIKAWA
DEPUTY DIR
BCEC (CC)
DEPUTY DIR
TAKESHI YOSHIDA
DEPUTY DIR



DEPARTMENT OF BUSINESS,
ECONOMIC DEVELOPMENT & TOURISM
PARAMETRIX, INC.
HONOLULU

General Pacific Plaza, 275 South King Street, 15th Floor, Honolulu, Hawaii 96813
Mailing Address: P.O. Box 1337, Honolulu, Hawaii 96814 Telephone: (808) 554-2400 Fax: (808) 554-3377

April 16, 1993

Mr. F. J. Rodriguez
Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Dear Mr. Rodriguez:

The Department of Business, Economic Development & Tourism is pleased to submit the enclosed comments on the Draft Environmental Assessment for Septage Facilities on Oahu: Kahuku Septage Handling Facilities, Paalaa-Kai Septage Handling Facilities, and Sand Island Septage Handling Facilities.

The comments were provided by the Land Use Commission. Questions regarding these comments may be directed to Esther Ueda, LUC Executive Officer at 587-3826.

Thank you for the opportunity to comment.

Sincerely,

Mufi Hafinmann
Mufi Hafinmann

Enclosure



STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
LAND USE COMMISSION
Room 184, Old Federal Building
375 King Street
Honolulu, Hawaii 96813
Telephone: 587-3821

April 13, 1993

SUBJECT: Director's Referral No. 93-101-M
Draft Environmental Assessment for Septage Facilities on Oahu: (Kahuku Septage Handling Facilities, Paalaa-Kai Septage Handling Facilities, Sand Island Septage Handling Facilities)

We have reviewed the subject draft environmental assessments and have the following comments to offer:

Kahuku Septage Handling Facilities

- 1) The tax map key identification on page 1 of the Draft EA is in error. The current tax map key should read THK: 5-6-2: por. 24.
- 2) We confirm that the project location is within the State Land Use Agricultural District.
- 3) The existing sewage treatment plant was the subject of SP78-317/City and County of Honolulu, Department of Public Works, approved by the LUC on January 11, 1979.
- 4) Based on Figure 2 of the respective Draft EA, it appears that the proposed septage handling facility involves THK: 5-6-2: por. 1 (east of THK: 5-6-2: 24). This should be clarified in the Final EA and amendments made accordingly. We also note that if expansion into THK: 5-6-2: por. 1 is proposed, another Special Permit or amendment to SP78-317 is needed.
- 5) The project site is nearby to an area recommended for reclassification from the Agricultural District to the Conservation District under the Draft State Land Use District Boundary Review - Oahu, currently being conducted by the Office of State Planning. Specifically, the Kii Unit of the James Campbell National Wildlife Preserve is a Priority 2 recommendation.

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

400 SOUTH KING STREET
HONOLULU, HAWAII 96813



C. MICHAEL STREET
DIRECTOR AND CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT
HONOLULU, HAWAII

WEP 93-160

May 6, 1993

Mr. Mufi Hanneman, Director
Department of Business,
Economic Development & Tourism
P. O. Box 2359
Honolulu, Hawaii 96804

Dear Mr. Hanneman:

Subject: Pre-Agency Comments on Septage Facilities on Oahu
At Paalaa-Kai Wastewater Treatment Plant
We have received your department comments dated April 16, 1993 on the proposed facilities and we respond as follows:

Paalaa-Kai Septage Handling Facilities:

1. We have amended the land use designation for the subject parcel from Agriculture to Urban.
2. Clarification of the correct Tax Map Key to reflect the "no improvements within TMK: 6-6-34: 34" has been made.

Thank you for your timely comments and continuing cooperation.

Very truly yours,

C. MICHAEL STREET
Director and Chief Engineer

Paalaa-Kai Septage Handling Facilities

- 1) We confirm that the project location, identified as TMK: 6-6-34: 33 & 34, is within the State Land Use Urban District and not the Agricultural District as stated on page 1 of the respective Draft EA.
- 2) Review of Figure 2 of the respective Draft EA indicates that proposed improvements are within TMK: 6-6-34: por. 33 and por. 35. It appears that no improvements are proposed within 6-6-34: 34. This should be clarified in the Final EA and references amended accordingly.

Sand Island Septage Handling Facilities

- 1) We wish to note that because the proposed septage handling facility will not involve the total parcel, the TMK identification should read as TMK: 1-5-41: por. 5.
 - 2) We confirm that the project location, identified as TMK: 1-5-41: por. 5, is within the State Land Use Urban District.
- We have no further comments to offer at this time.

EU:LRA:th



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621
HONOLULU, HAWAII 96809

REF: OCEA: KCK

File No.: 93-526
DOC. NO.: 2714

MAY 4 1993

Mr. Fred Rodriguez
Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Dear Mr. Rodriguez:

Subject: Draft Environmental Assessment (DEA): Septage Facilities at the
Paalaa-Kai North Shore Wastewater Treatment Plant, Waialua,
Oahu, TMK: 6-6-34: 33, 34

We have reviewed the DEA information for the subject project transmitted
by your letter dated March 30, 1993, and have the following comments:

Division of Aquatic Resources

The Division of Aquatic Resources comments that a condition should be
included to restrict acceptance of septage to loads that are hauled in by
municipal pumper trucks. If private truckers are allowed, there is
greater possibility that loads from commercial sources or those containing
toxins could be introduced, leading to plant upsets and the emergency
release of unacceptable effluent discharges during the plant's recovery.

Historic Preservation Division

The Historic Preservation Division (HPD) comments that a review of their
records shows that there are no known historic sites at the proposed
project location. These lands are old sugarcane fields where it is
unlikely that historic sites will be found. Therefore, HPD believes that
this project will have "no effect" on historic sites.

We have no other comments to offer at this time. Thank you for the
opportunity to comment on this matter.

Please feel free to call Steve Tagawa at our Office of Conservation and
Environmental Affairs, at 587-0377, should you have any questions.

Very truly yours,

Keith W. Ahue
KEITH W. AHUE

EDITH AND CHARLES
BOARD OF LAND AND NATURAL RESOURCES
DEPUTY
COMPTROLLER
COUNTY, HAWAII

PLANNING DEPARTMENT
PROGRAMS AND SERVICES
LAND AND OCEAN RECREATION
CONSERVATION AND
ENVIRONMENTAL AFFAIRS
CIVIL ENGINEERING
RESOURCES DEVELOPMENT
CONTRACTS
FOUNDRY AND WELDING
HISTORIC PRESERVATION
LAND AND LIGHT
STATE PARKS
WATER AND LAND DEVELOPMENT

MAY 03 1993
PARAMETRIX, INC.
HONOLULU

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

400 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK P. FINE
MAYOR

C MICHAEL STREET
DIRECTOR AND COMPTROLLER
FLOR B. LAMICHO
STREET DIRECTOR

May 25, 1993
WEP 93-192

Mr. Keith W. Ahue, Chair
Department of Land and Natural Resource
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Subject: Pre-Agency Comments on the Proposed Septage
Handling Facilities at the Paalaa Kai Wastewater
Treatment Plant (WTFP), Waialua, Oahu,
TMK: 6-6-34:33,35

We have received your comments dated May 4, 1993, and we respond
as follows:

1. The comments from the Division of Aquatic Resources
stating that the septage wastes from the private
trucking firms should be restricted at the facilities
is commendable but in practice, not an environmentally
sound practice. If it were realistic, the City's
Division of Wastewater Management would wholeheartedly
agree to outright prohibition of any private septage
wastes into the City sewer system. However, without
any private entity in the business of treating septage
wastes, the City must provide this service to preclude
illegal discharging and serious environmental impacts.

The Division of Wastewater Management is very concerned
about the impacts of private septage hauler discharges
on the City sewage facilities. These discharges could
possibly interfere with treatment operations and pass
through toxic wastes into receiving waters, resulting
in Clean Water Act fines that taxpayers and sewer users
must pay. A separate hauler permitting system, which
is in effect, and the proposed facilities to treat the
septage wastes separately from domestic wastewater,
would provide a workable and sound solution.
Furthermore, routine surveillance of septage receiving
stations will be done to ensure that permitted pumpers
are complying with their permit requirements.

Mr. Keith W. Ahue

- 2 -

May 25, 1993

2. He acknowledge the Historic Preservation Division comment of "No effect" at the Paalaa Kai WTP.

Thank you for your continued cooperation.

Very truly yours,



C. MICHAEL STREET
Director and Chief Engineer

DEPARTMENT OF LAND UTILIZATION
CITY AND COUNTY OF HONOLULU
830 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK P. FAHI
MAYOR

DONALD A. CLEGG
DIRECTOR

LORETTA K. C. CHIE
SEPTAGE DIRECTOR

93-02789(AC)

May 10, 1993

Mr. F. J. Rodriguez
Parametrix, Inc.
1164 Bishop Street, Suite 1600
Honolulu, Hawaii, 96813

Dear Mr. Rodriguez:

Environmental Assessment Pre-Agency Review,
Paalaa-Kai Septage Handling Facilities,
WAIALUA, OAHU. THK: 6-6-34: 33 & 34

Thank you for providing the Department of Land Utilization the opportunity to review the above-referenced project. We offer the following comments:

The Special Management Area (SMA) Boundary Map (Figure 3) delineates the project site as being entirely within the SMA. Our review of the Tax Map, however, indicates that the site is partially outside of the SMA boundary. The Environmental Assessment document should clarify the proper location of the site as well as whether the project is within the SMA.

The Draft EA should identify all required permits for construction of the septage handling facility.

Should you have any questions, please contact Mr. Art Challacombe of our staff at 523-4107.

Very truly yours,

Donald Clegg

DONALD A. CLEGG
Director of Land Utilization

DAC:ak

g:dpw:kat.adc

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
830 SOUTH KING STREET
HONOLULU, HAWAII 96813



FRANK P. FAHI
MAYOR

C. MICHAEL STREET
DIRECTOR AND CHIEF ENGINEER
FELIX B. LUMINAO
SEPTAGE DIRECTOR

MEP 93-181

May 21, 1993

MEMORANDUM

TO: MR. DONALD A. CLEGG, DIRECTOR
DEPARTMENT OF LAND UTILIZATION

FROM: C. MICHAEL STREET, DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF PUBLIC WORKS

SUBJECT: PRE-AGENCY COMMENTS ON THE PROPOSED SEPTAGE
HANDLING FACILITY AT THE PAALAA KAI WASTEWATER
TREATMENT PLANT (WTP), WAIALUA, OAHU,
THK: 6-6-34: 33, 35

We have received your comments dated May 10, 1993, and we respond as follows:

1. The environmental assessment has been prepared with the intent of supporting the City DLU Special Management Area (SMA) permit process. The portion of the Paalaa Kai WTP where the septage handling facility will be constructed is partially within the SMA. Figure 3 will be revised accordingly.
2. The following permits are the minimum required for construction of the septage handling facility and the permit requirements will be included in the draft environmental assessment.
 - a. Building permit.
 - b. Dewatering permit.
 - c. Noise permit.

Thank you for your continued cooperation.

C. Michael Street

C. MICHAEL STREET
Director and Chief Engineer