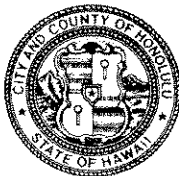


DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

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HONOLULU, HAWAII 96813
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MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-171

October 1, 2007

Mr. Laurence K. Lau, Acting Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Dear Mr. Lau:

Subject: Finding of No Significant Impact (FONSI) for
Kuliouou Wastewater Pump Station Modification and
Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

RECEIVED
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The City and County of Honolulu, Department of Design and Construction (DDC) is the proposing agency and accepting authority for the above project. DDC has reviewed and responded to comments received during the 30-day public comment period for the Draft Supplemental Environmental Assessment (DSEA) of the project which began on August 8, 2007.

DDC has determined that this project will not have significant environmental effects and is issuing a notice of determination of a FONSI. Please publish this notice in the next issue of the OEQC Environmental Notice. We have enclosed a completed OEQC Bulletin Publication Form and four copies of the Final SEA.

A. Identification of Proposing Agency and Accepting Authority

Department of Design and Construction, Wastewater Division, City and County of Honolulu

B. Brief Description of Proposed Action

The proposed project consists of modifications to the existing Kuliouou Wastewater Pump Station (WWPS) (Tax Map Key: 3-08-04:79) and replacement of an existing 12-inch force main (Tax Map Keys: 3-08-04

and 3-09-35). To improve site aesthetics, areca palm hedges will be provided along the west, north and east boundaries, and a fan palm and a kukui tree in the front yard. Per current City standards, the Bermuda grass ground cover within the fenced WWPS site will be replaced with rock fill. A 2001 proposed 500 gallon underground diesel tank will be replaced with a 1,000 gallon above ground diesel tank to meet current City standards to operate the WWPS during major power outages. A waiver will be obtained from the City Land Use Ordinance rear yard setback requirement since a new generator room will be located within the rear yard. A force main replacement will be provided from the WWPS along May Way and Kawaihae Street to the Hawaii Kai SMH "0" since the existing force main has deteriorated, resulting in wastewater spills. This will assure compliance to the Clean Water Act.

C. Determination and Reasons Supporting the Determination

After completing an assessment of the potential environmental effects of the proposed project, reviewing comments from the public, governmental agencies, and interested parties, and evaluating the Significance Criteria, Section 12 of Hawaii Administrative Rules Title 11, Chapter 200, Environmental Impact Statement Rules, the proposing agency does not anticipate any significant impacts on the environment. A **Finding of No Significant Impact** has been determined for the project with the reasons supporting this determination discussed below.

1. The proposed action will not involve an irrevocable commitment to loss or destruction of any natural or cultural resource. The proposed project will improve the Kuliouou WWPS and provide a force main replacement to reduce future wastewater spills from heavy rains or severe storms. Such improvements will occur on already urbanized areas which include the City's Kuliouou WWPS property and existing roadways. Thus, there will be no destruction or loss of any significant, endangered, or threatened botanical, faunal, geological, or other natural resources.

There are no known cultural resources or traditional native Hawaiian or other ethnic groups' cultural practices occurring at the Kuliouou WWPS site or the force main replacement road rights-of-way. Consequently, the proposed project is not expected to have any impact on cultural resources or traditional cultural practices.

In terms of archaeological and historic resources, the State Historic Preservation Division (SHPD) indicated that there is a potential to encounter human burials within the Kuliouou WWPS and the associated force main replacement sites due to the type of subsurface work planned based upon prior projects in the area. However, to minimize any impacts on potential archaeological deposits or human burials associated with this project, an archaeological monitoring plan was developed by Cultural Surveys of Hawaii and accepted by SHPD. The plan will require on-site (full-time) monitoring for all ground disturbance activity at the sites and was prepared and coordinated with SHPD to adequately address their concerns. Therefore, the proposed project will have no adverse effect on archeological or historic resources and on traditional native Hawaiian cultural practices or resources which may potentially be within the subsurface area of the project site.

2. The proposed action will not curtail the range of beneficial uses of the environment. The Kuliouou WWPS and the force main within existing roadways have been used for over 35 years. The proposed action will not change the existing uses of such lands and roadways. Existing surrounding uses will remain as existing which is predominantly for residential homes and for low and medium density apartments. The proposed improvements to the existing wastewater system (WWS) will not limit or significantly impact these uses or the surrounding environment.
3. The proposed action will not conflict with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders. The Final SEA addresses the probable environmental impacts associated with the proposed project which will be primarily associated with short-term construction activities. Consequently, the project will be consistent in conserving natural resources in the area and enhancing the long-term quality of life for residences in Kuliouou Valley and surrounding area by improving the service quality of the WWS.
4. The proposed action will not substantially affect the economic or social welfare of the community or State. The project will create a short-term minor economic benefit generating construction jobs and personal income. The proposed project is limited to the Kuliouou

WWPS and the associated force main replacement. As a result, there will be no negative impact or change to the overall character of the Kuliouou community, East Honolulu district, or the State.

5. The proposed action is not expected to substantially affect public health since it will involve modifications to the City's existing Kuliouou WWPS and the associated force main replacement. The proposed project will improve public health by minimizing potential wastewater spills into Kuapa Pond due to the breaking of a deteriorated pipe and future leaks in the existing force main by conveying Kuliouou WWPS wastewater through the force main replacement.
6. The proposed action should not involve substantial secondary impacts, such as population changes or effects on public facilities. The project strictly involves modifications to the existing Kuliouou WWPS and the associated force main replacement. There will not be any elements of the project contributing to in-migration of residents or additional visitors to the island. The proposed project will not impact other existing infrastructure facilities or public facilities in the immediate area.
7. The proposed action will not involve a substantial degradation environmental quality. Modifications to the WWPS will be limited to the existing property. The force main replacement addition will be limited to existing May Way and Kawaihae Street rights-of-way. As a result, construction activities will be performed on already urbanized areas, and necessary measures will be implemented during construction to minimize erosion and other short-term impacts. The project will improve the environmental quality of Kuapa Pond and surrounding shoreline areas by minimizing future wastewater spills from leaks in the existing force main by bypassing wastewater to the force main replacement.
8. The proposed action is individually limited and cumulatively does not have considerable effect upon the environment or involves a commitment for larger actions. Impacts associated with the proposed project are mainly associated with construction activities which are temporary and short-term. Thus, the cumulative impacts of the proposed project were considered in assessing environmental impacts, and it was determined that the project will

not have a significant effect on the environment. This project does not involve the commitment for larger actions since it is only intended to improve the existing Kuliouou WWS.

9. The proposed action will not substantially affect a rare, threatened, or endangered species, or its habitat. There are no known rare, endangered or threatened botanical resources on the Kuliouou WWPS property and the force main replacement route, or faunal and avifaunal species inhabiting the area which may be affected by construction activities or the operation of the WWS. Necessary control measures and best management practices will be implemented to minimize runoff and other potential short-term impacts associated with construction activity. Thus, the proposed action is not expected to substantially affect rare, threatened, or endangered species or potential habitat for such species.
10. The proposed action will not have a detrimental effect on air or water quality or ambient noise levels. Impacts associated with these factors will be limited to short-term construction activities. However, such impacts are expected to be minor due to the relatively minimal amount of grading and excavation proposed. To further minimize impacts, construction activities, including dewatering, will be subject to applicable State and City regulations.
11. The proposed action does not affect nor is likely to suffer damage by being located in an environmentally sensitive area such as flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters. The Kuliouou WWPS and force main replacement sites are not located within environmentally sensitive areas such as a flood plain, tsunami zone, beach, erosion-prone area or geologically hazardous areas. Consequently, the proposed project will not be affected by such hazards or impact such environmentally sensitive areas. The Kuliouou WWPS is located within Zone D of the 100-year flood hazard area. Since the facilities and structures are expected to be designed and constructed in compliance with the Building Code requirements for structures within flood Zone D, it would not suffer damage from such natural hazards as compared to existing residences in the area. The force main replacement is located underground in conformance to City design standards and will not suffer damage from natural disasters.

12. The proposed action will not substantially affect scenic vistas or viewplanes since they are located in an area that has not been identified in State and City plans or studies as a visual resource. The Kuliouou WWPS property is owned by the City and public access is restricted to City personnel. The force main replacement is located underground in City road rights-of-way and will not impact scenic views.
13. The proposed action will not require substantial energy consumption or increased electrical facilities to serve the Kuliouou WWPS. The force main replacement will require the same power as the force main that it replaces and can be serviced using existing electrical distribution facilities and power generating resources.


D. Supplementary Information

The Final SEA for the proposed project and the results of the coordination and consultation undertaken with affected governmental agencies and interested parties are attached to support the notice of determination of a FONSI. The Final SEA is part of the environmental review process to meet the requirements of Chapter 343, HRS.

E. Name, Address and Phone Number of Contact Person for Further Information

Ms. Karli M. Miyata
Department of Design and Construction
Wastewater Division
City and County of Honolulu
650 South King Street, 14th Floor
Honolulu, Hawaii 96813
Phone: (808) 768-8762

Very truly yours,


Eugene C. Lee, P.E.
Director

c: Shimabukuro, Endo & Yoshizaki, Inc.

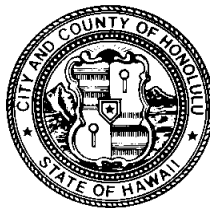
**FINAL SUPPLEMENTAL
ENVIRONMENTAL ASSESSMENT**

FOR

**KULIOUOU WASTEWATER
PUMP STATION MODIFICATION
AND
FORCE MAIN REPLACEMENT**

**T.M.K. 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii**

September 2007



Department of Design and Construction
City and County of Honolulu

**FINAL SUPPLEMENTAL
ENVIRONMENTAL ASSESSMENT**

FOR

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**T.M.K. 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii**


September 2007

Proposing Agency:

Department of Design and Construction
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

This environmental document was prepared pursuant to Chapter 343, Hawaii
Revised Statutes.

Responsible Official:


Eugene C. Lee, Director
Department of Design and Construction
City and County of Honolulu

Date:

9/21/07

Prepared by:

Shimabukuro, Endo & Yoshizaki, Inc.



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CHAPTER 1 INTRODUCTION

1.1 PURPOSE FOR SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT

1.1.1 Final Environmental Assessment

The City and County of Honolulu (City), Department of Design and Construction (DDC) had proposed the Kuliouou Wastewater Pump Station Modification and Force Main Replacement project in the year 2001. The project proposed the rehabilitation and improvement of the existing Kuliouou Wastewater Collection System (Kuliouou WWCS) along with improvements to the Kuliouou Wastewater Pump Station (Kuliouou WWPS).

The purpose for the proposed 2001 project was to minimize excessive inflow and rainfall infiltration into the Kuliouou WWCS and thereby reduce the potential of further wastewater spills at the Kuliouou WWPS force main discharge sewer manhole (SMH "0") at Kawaihae Street. The Final Environmental Assessment (Final EA) for the project was prepared by SSFM International, Inc. with a Finding of No Significant Impact (FONSI) dated March 14, 2001. The Final EA is available at the City Municipal Library, or online at oeqc.doh.hawaii.gov/default.aspx.

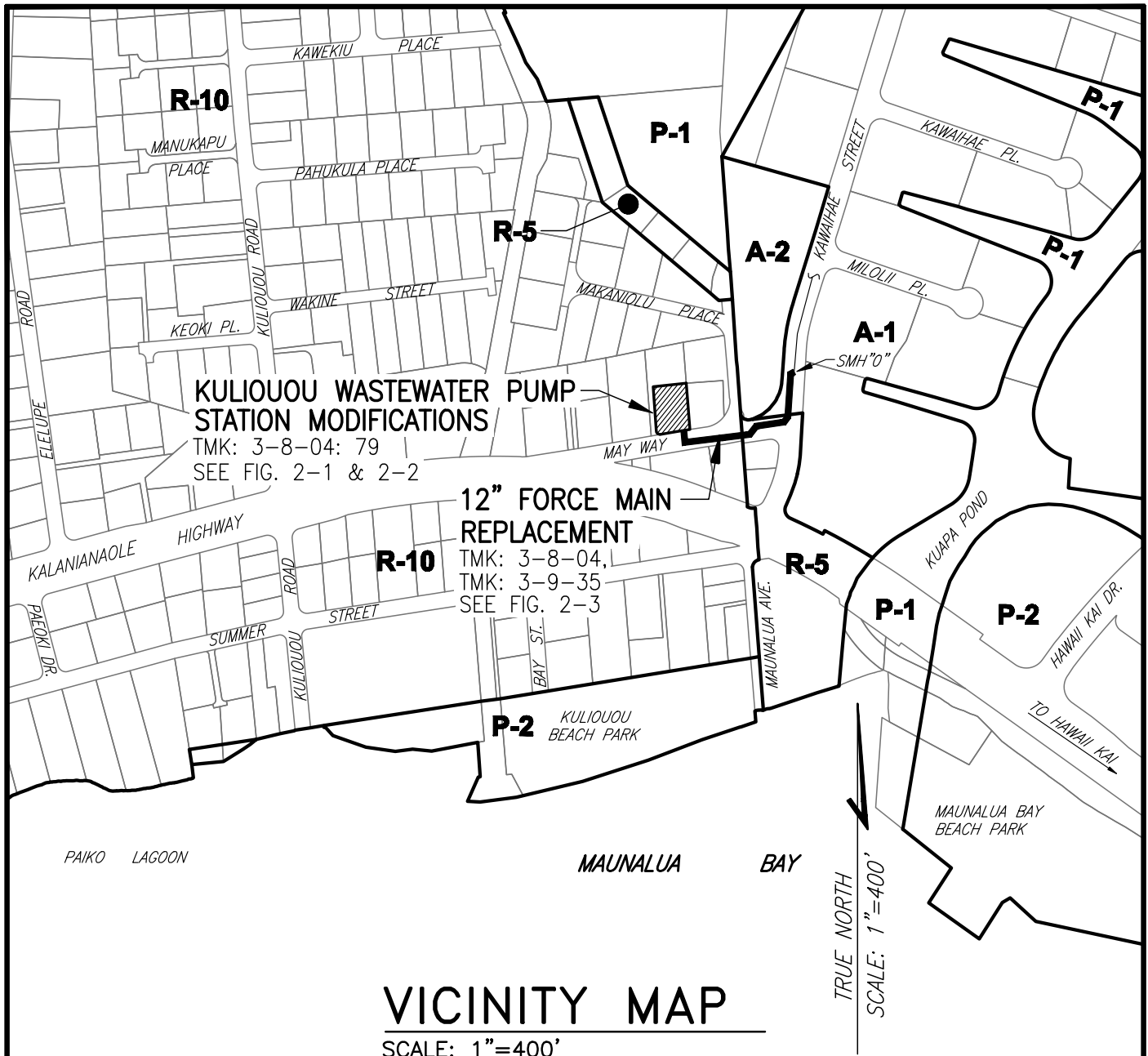
The project is located in Kuliouou in the East Honolulu district of the island of Oahu. See **Figure 1-1**. The City owns, operates, and maintains the Kuliouou WWCS which serves residences in the surrounding Kuliouou Valley area. The Kuliouou WWCS includes the gravity sewer lines, Kuliouou WWPS, and the force main that discharges wastewater at SMH "0."

The Final EA was prepared to address the probable impacts on the surrounding environment resulting from the proposed 2001 improvements of the existing Kuliouou WWPS and WWCS. The Final EA was prepared in conformance to the regulatory and documentation requirements prescribed under Chapter 343, Environmental Impact Statements, Hawaii Revised Statutes (HRS) and Title 11, Chapter 200 (Environmental Impact Statement Rules) of the State Department of Health (DOH) Administrative Rules.

1.1.2 Supplemental Environmental Assessment

Since completion of the Final EA in 2001, modifications have been made to the 2001 improvements proposed for the Kuliouou WWPS (2001 Proposed Improvements) by the City Department of Environmental Services (ENV). The proposed 2006 Modifications (2006 Modifications) include the following:

1. Landscaping modifications.



CITY ZONING:

PRESERVATION ZONES

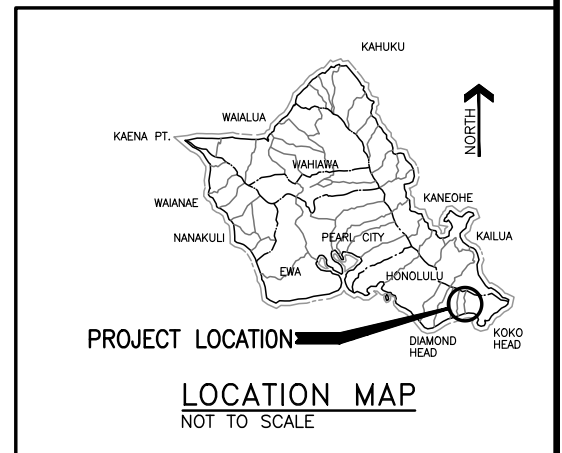
P-1 RESTRICTED
P-2 GENERAL

APARTMENT ZONES

A-1 LOW DENSITY
A-2 MEDIUM DENSITY

RESIDENTIAL ZONES

R-5 5,000 sq ft MIN. LOT AREA
R-10 10,000 sq ft MIN. LOT AREA



PREPARED FOR:
 DEPARTMENT OF DESIGN
 AND CONSTRUCTION
 CITY AND COUNTY OF
 HONOLULU



Shimabukuro, Endo
 & Yoshizaki, Inc.
 Civil & Structural Engineers

KULIOUOU WASTEWATER PUMP STATION
 MODIFICATION AND FORCE MAIN REPLACEMENT
 SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT

LOCATION & VICINITY MAPS

FIGURE
 1-1

2. Fuel tank change from 500-gallon underground to a double walled 1,000-gallon steel above ground diesel tank to replace the existing 250-gallon above ground propane tank.
3. Force main replacement, including piping within the WWPS building.
4. Waiver from rear yard (setback) requirement for construction of a new generator room to house the new and larger diesel generator.

The above modifications are shown on **Figures 2-1, 2-2, and 2-3** and are discussed more fully in **Chapter 2 Project Description** of this document.

The purpose of this Supplemental Environmental Assessment (Supplemental EA) is to address the probable impacts on the surrounding environment resulting from the 2006 Modifications to the Kuliouou WWPS, which were not discussed in the 2001 Final EA. Environmental concerns related to the modified work now proposed are addressed in accordance with Chapter 343, HRS. The 2001 Proposed Improvements descriptions, alternatives, impacts, and mitigation measures that are unchanged and remain as previously discussed in the Final EA will not be discussed again in this Supplemental EA. This Supplemental EA chapters and sections are arranged in the same format as the Final EA to allow the reader to access similar discussions of the 2001 Proposed Improvements in the Final EA.

A Draft Supplemental EA was prepared pursuant to Chapter 343, HRS. It described the 2006 Modifications and the affected environment, discussed proposed actions and potential environmental impacts, and proposed mitigation measures. After review of the Draft Supplemental EA was completed by various government agencies, other interested organizations, and individuals and following a formal 30-day comment period, the proposing and approving agency, the City Department of Design and Construction (DDC), prepared this Final Supplemental EA. The DDC has concluded that the project will have no significant impact on the environment and has determined a **Finding of No Significant Impact**.

**Table 1.1.3
Summary of Supplemental EA Information**

| | |
|---------------|--|
| Project Name: | Kuliouou Wastewater Pump Station Modification and Force Main Replacement |
| Applicant: | Department of Design and Construction Wastewater Division City and County of Honolulu 650 S. King Street Honolulu, Hawaii 96813 Contact: Ms. Karli M. Miyata, Project Manager |

| | |
|--|--|
| Agency's Consultant: | Shimabukuro, Endo & Yoshizaki, Inc. 1126 12 th Avenue, Room 309 Honolulu, Hawaii 96816 Contact: Howard K. Endo, Ph.D., P.E. |
| Approving Agency: | Department of Design and Construction, City and County of Honolulu |
| Project Description: | Provide modifications to the Kuliouou WWPS and construct force main replacement. |
| Project Location: | Kuliouou in the East Honolulu district of the island of Oahu at 6180 May Way. |
| Existing Use: | The City owns, operates, and maintains the Kuliouou WWPS, which serves residences in the surrounding Kuliouou Valley area, and discharges wastewater to SMH "0" of the Hawaii Kai Wastewater Collection System owned by Hawaii American Water Company. |
| Land Ownership: | City and County of Honolulu |
| Tax Map Key: | Kuliouou WWPS: 3-08-04:79 Force Main Replacement: 3-08-04 and 3-09-35 |
| Land Area: | Kuliouou WWPS lot is 10,842 square feet. |
| State Land Use: | Urban |
| East Honolulu Sustainable Communities Plan Land Use: | Residential, Low and Medium Density Apartments |
| City Zoning Districts: | Kuliouou WWPS: R-10 Residential Force Main Replacement: R-10 Residential, R-5 Residential, A-1 Low Density Apartment, and A-2 Medium Density Apartment. |
| Special Management Area (SMA) District | The Kuliouou WWPS and the force main replacement are not located within the SMA area. |
| Estimated Construct Cost: | \$550,000 for 2006 Modifications funded by City CIP. |
| Determination: | Finding of No Significant Impact |
| Parties Consulted: | See Chapter 6 Agencies and Public Consultation |

1.2 PROJECT BACKGROUND

According to the Final EA, the Kuliouou WWCS gravity sewer system is comprised of a network of sewer laterals, mains, trunk lines, and a wastewater pump station that collects wastewater from the Kuliouou Valley residential area. The gravity sewer system network contains approximately 6.6 miles of vitrified clay and reinforced concrete pipes ranging in size from 6 to 18 inches in diameter. A 12-inch diameter cast iron force main discharges wastewater from the Kuliouou WWPS to SMH “0” of the Hawaii Kai WWCS at Kawaihae Street.

The Kuliouou WWPS project site is located at 6180 May Way just mauka (north) of Kalanianaʻole Highway. The property is identified by Tax Map Key 3-08-04:79. See **Figure 1-1**. The force main is located along May Way and Kawaihae Street in Tax Map Keys 3-08-04 and 3-09-35. See **Figure 2-3**.

1.3 LAND USE CLASSIFICATIONS AND DESIGNATIONS

1.3.1 State Land Use District

According to the Final EA, the Kuliouou WWPS site and surrounding residential and low and medium density apartment areas are classified as Urban on the State’s Land Use District Boundary Map for the Hawaii Kai region (O-15, Koko Head). Urban District permits activities or uses as provided by ordinances or regulations of the county within which the Urban District is situated. Thus, Urban District lands on the island of Oahu are regulated by the ordinances and regulations of the City.

1.3.2 East Honolulu Sustainable Communities Plan Land Use

According to the Final EA, the proposed project site in the Kuliouou area falls under the City’s East Honolulu Sustainable Communities Plan. The Kuliouou WWPS site and surrounding areas are identified as Residential and Low and Medium Density Apartment under the Plan’s Urban Land Use Map. The Public Facilities Map of the Sustainable Communities Plan does not identify the existing Kuliouou WWPS site nor does it identify any other wastewater pump stations in the area. A discussion of the project’s consistency with this Plan’s applicable policies and objectives is provided in **Chapter 5 Conformance with Plans and Policies** of this document.

1.3.3 City Zoning Districts

According to the Final EA, the Kuliouou WWPS property is zoned R-10 Residential along with the surrounding residential properties. Properties adjacent to Kawaihae Street are zoned R-5 Residential, A-1 Low Density Apartment, and A-2 Medium Density Apartment according to City’s zoning district maps. See **Figure 1-1**. The City Land Use Ordinance (LUO) permits the use of these zoned lands for public facilities such as wastewater pump station and force main replacement.

1.3.4 Special Management Area

According to the Final EA, a review of the City's SMA map for the Kuliouou WWPS site and immediate surrounding area determined that the City's SMA boundary extends from the shoreline up to the centerline of Kalanianaʻole Highway. Since the Kuliouou WWPS and the force main replacement sites are located mauka of the Kalanianaʻole Highway, they are outside of the SMA boundary. As a result, the Kuliouou WWPS modification and force main replacement are not subject to regulatory procedures, permit requirements, and review under the City's SMA regulations described in Chapter 25 of the Revised Ordinances of Honolulu.

CHAPTER 2 PROJECT DESCRIPTION

2.1 PROJECT LOCATION AND VICINITY

According to the Final EA, the Kuliouou WWPS and the force main replacement sites are located on the southeastern end of the Island of Oahu in Kuliouou in the area commonly referred to as East Honolulu. East Honolulu has a firmly established suburban character essentially consisting of a string of residential communities along Kalanianaʻole Highway clustered within valleys and ridge tops.

The Kuliouou community is a residential subdivision generally extending from the shoreline area inland into the upper Kuliouou Valley. **Figure 1-1** shows the project's location in greater detail. Kalanianaʻole Highway is a State owned highway routed along the coastline which serves as the principal arterial to Kuliouou and the entire East Honolulu area. Kuliouou is located just before the west entrance into the area known as Hawaii Kai, which is a master-planned community.

The Kuliouou WWPS property consists of a rectangular-shaped parcel having an area of 10,842 square feet. The WWPS site is located along May Way approximately 200 feet mauka of Kalanianaʻole Highway as shown on **Figures 1-1** and **2-1**. The Kuliouou WWPS property is identified as TMK: 3-08-04:79. The property is owned by the City and County of Honolulu. The force main replacement is located in the City's road rights-of-way of May Way and Kawaihae Street in TMK 3-08-04 and 3-09-35 as shown on **Figure 2-3**.

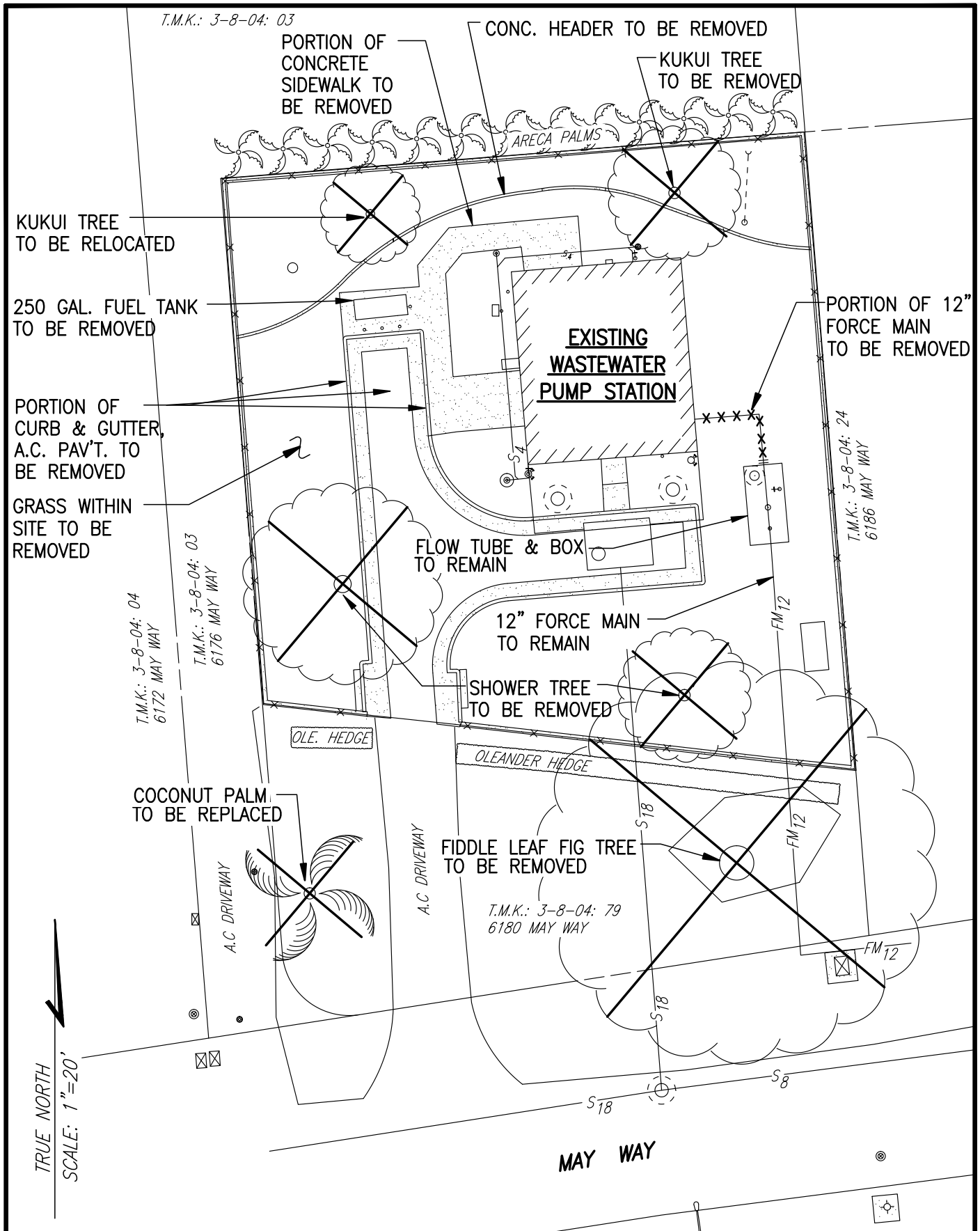
2.2 EXISTING WASTEWATER SYSTEM

2.2.1 Kuliouou WWCS

According to the Final EA, the Kuliouou WWCS consists of three main components: 1) a gravity sewer system, 2) the Kuliouou WWPS, and 3) a force main. The system is owned and maintained by the City Department of Environmental Services (ENV). Wastewater collected at the Kuliouou WWPS is discharged through a force main to SMH "0" of the Hawaii Kai WWCS on Kawaihae Street as shown on **Figure 2-3** for treatment and disposal. The Hawaii Kai WWCS is privately owned and operated by the Hawaii American Water Company (HAWC).

2.2.2 Relation with Hawaii Kai WWCS

According to the Final EA, the original developers of the Hawaii Kai community, Kaiser Hawaii Kai Development Company, entered into a contractual agreement dated January 31, 1961 with the City and County of Honolulu to accept wastewater flows not to exceed an average of 566,000 gallons per day (gpd) from the Kuliouou WWPS for treatment and disposal. Flow monitoring data indicates that the Kuliouou WWPS discharges an annual average of approximately 400,000 gpd or 0.40 million gallons per day (mgd). Consequently, existing effluent flows from the City's Kuliouou wastewater system are in compliance with this agreement.



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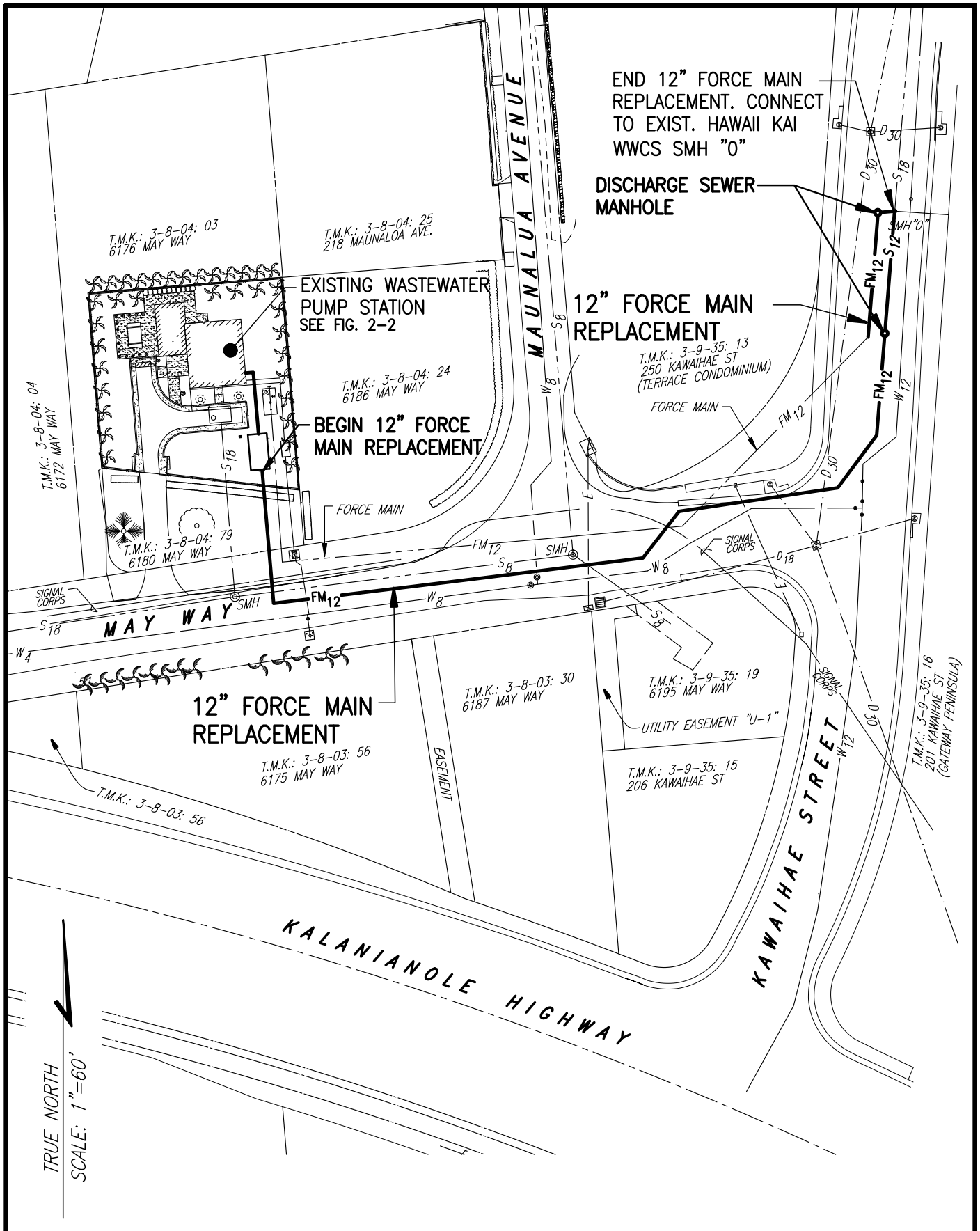


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Civil & Structural Engineers

KULIOUO WASTEWATER PUMP STATION
MODIFICATION AND FORCE MAIN REPLACEMENT
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
**EXISTING WWPS SITE
AND REMOVAL PLAN**

FIGURE
2-1





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 SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT

FORCE MAIN REPLACEMENT PLAN

FIGURE
 2-3

2.2.3 Kuliouou WWPS

According to the Final EA, the Kuliouou WWPS site is relatively level with a ground elevation of approximately 6.0 feet above mean sea level (msl). Pumps and related mechanical equipment are housed in a reinforced concrete structure that is approximately 35 years old and in relatively good condition.

Wastewater enters the Kuliouou WWPS via an 18-inch diameter influent pipe to the entrance chamber and is discharged from the Kuliouou WWPS via a 12-inch diameter cast iron pipe force main approximately 462 feet in length to SMH "0" of the privately operated Hawaii Kai WWCS located along Kawaihae Street. The force main is in need of rehabilitation and/or replacement. SMH "0" is a reinforced concrete box manhole measuring six (6) feet by four (4) feet that connects to an 18-inch diameter gravity sewer line of the Hawaii Kai WWCS. The Hawaii Kai WWCS conveys the wastewater to the Hawaii Kai Treatment Plant for treatment and disposal.

2.3 PROJECT NEEDS AND OBJECTIVES

According to the Final EA, during periods of heavy rainfall occurring within the Kuliouou and Hawaii Kai drainage basins, sections of the sewer lines serving the Kuliouou Valley and Hawaii Kai areas experienced excessive amounts of inflow and rainfall infiltration (I/I). The Hawaii Kai WWCS downstream of their SMH "0" may have inadequate capacity creating a constriction of the Hawaii Kai sewer system. Consequently, flows in the Hawaii Kai WWCS may exceed the pipe capacity, and wastewater levels rise above the pipe crown. This "surcharging" has led to wastewater spills at SMH "0" during certain heavy rainfall events in the past. Also, a wastewater spill occurred in 2006 due to a deterioration of the force main.

During these wastewater spills, wastewater has flowed onto May Way and Kawaihae Street and into storm drains leading to Kuapa Pond. The wastewater spills were events that infringed upon the recreational use of Kuapa Pond and resulted in violations of the Clean Water Act.

The City ENV has therefore determined that actions must be taken to minimize future potential wastewater spills and violations of the Clean Water Act. This has resulted in the force main replacement proposed under the project. The replacement will improve the environmental quality and the health and safety of surrounding areas. However, the apparent constrictions in the Hawaii Kai WWCS will continue to persist until the privately owned and maintained Hawaii Kai WWCS downstream of SMH "0" is improved by the HAWC in the future.

2.4 DESCRIPTION OF 2001 IMPROVEMENTS PROJECT

According to the Final EA, the Kuliouou WWPS will continue to discharge flows to the Hawaii Kai WWCS. Implementing sewer rehabilitation improvements to the Kuliouou Valley WWCS by utilizing cured-in-place pipe (CIPP) will reduce infiltration and inflow that enters the Kuliouou WWCS.

Improvements to the Kuliouou WWPS are necessary to upgrade the emergency generator system and to correct inadequacies with the mechanical, electrical, and ventilation systems in accordance with currently City and State regulations. According to the Final EA, the 2001 Proposed Improvements include replacement of the existing emergency generator with a diesel unit, replacement of existing 250-gallon above ground propane tank with a 500-gallon underground diesel tank, installation of a new venturi flow meter and box and associated force main piping, construction of a new generator room, and replacement of the ventilation system. A more detailed description of the 2001 Proposed Improvements to the mechanical, electrical, and ventilation systems of the Kuliouou WWPS to have this facility conform to 2001 City design standards and safety guidelines are discussed in Section 2.4 of the Final EA. The 2001 Proposed Improvements probable environmental impacts and mitigative measures are discussed in Chapter 4 of the Final EA.

2.5 DESCRIPTION OF 2006 MODIFICATIONS TO PROJECT

The City ENV has reviewed the 2001 Proposed Improvements for the Kuliouou WWPS as discussed in the Final EA. The following 2006 Modifications to the Final EA improvements are proposed by the City ENV to conform to current City design standards and safety guidelines.

2.5.1 Landscaping Modifications

The Final EA did not propose any changes to the existing landscaping at the Kuliouou WWPS. Existing plantings include two kukui trees at the north corners and two shower trees at the south corners within the fenced WWPS site, an oleander hedge along the south front fence line, and a coconut palm at the west side, and a fiddle leaf fig tree on the east side of the front yard. Yard areas of the site are grassed with bermuda grass.

The 2006 Modifications will replace the two kukui trees and two shower trees within the fenced WWPS site and the coconut palm and fiddle leaf fig tree in the front yard for construction of the new improvements with areca palms hedges along the west, portion of the north and the east boundaries, hula girl hibiscus hedge along portion of the north boundary, and a fan palm and a kukui tree in the front yard. Per current City design standards, the bermuda grass ground cover within the fenced WWPS site will be replaced with rock fill. See **Figure 2-1** and **2-2**. A drip irrigation system will be installed for the areca palm and hula girl hibiscus hedges.

Steve Nimz & Associates, LLC, a qualified arborist approved by the City Division of Urban Forestry (DUF), prepared a Tree Assessment Report which was reviewed by DUF and determined that the west kukui tree and the coconut palm should be saved. All other existing trees were poor candidates for relocation. The kukui tree will be relocated onsite east of the driveway as shown on **Figure 2-2**. The coconut palm will be relocated by the project Contractor to a City owned park as determined by DUF and will be replaced with a fan palm. The relocated and new trees shall have a 90-day formal landscape maintenance period and a one-year guarantee period of survival from the issuance of the notice to proceed. Construction plans will be forwarded to DUF for review and comments during the design phase of the project.

2.5.2 Fuel Tank Change

The Final EA proposed to replace the existing 250-gallon above ground propane tank with a double walled 500-gallon fiberglass underground diesel tank. The 2006 Modifications will replace the 250-gallon propane tank with double walled 1,000-gallon steel above ground diesel tank to meet current City design standards for fuel tanks to operate the facility during major power outages. See **Figures 2-1** and **2-2**. A permit will be obtained from the Honolulu Fire Department prior to installation of the above ground diesel tank.

2.5.3 Force Main Replacement

The Final EA did not propose any changes to the existing force main at the Kuliouou WWPS. Replacement of the existing flow tube and box with a venturi flow meter and box and associated force main piping from the WWPS building to the box was proposed to provide more accurate flow readings.

The 2006 Modifications will replace the existing force main piping within the WWPS building and provide a force main replacement from the new venturi flow meter and box and along May Way to SMH "0" of the Hawaii Kai WWCS at Kawaihae Street since the existing force main has deteriorated and resulted in a wastewater spill. This action will reduce the potential for wastewater spills due to the possible future deterioration of the existing City force main and assure compliance with the Clean Water Act. This action will not address the apparent constriction of the Hawaii Kai WWCS downstream of SMH "0," which is the responsibility of HAWC, and which will continue to exist until improved by HAWC. The proposed alignment of the force main replacement is shown on **Figure 2-3**.

2.5.4 Waiver from Rear Yard Setback Requirement

The Final EA did not address the need for obtaining a waiver from City Land Use Ordinance (LUO) rear yard setback requirement for construction of the Generator Room. The rear yard setback required by the LUO for a R-10 zoned lot is 15 feet. The existing propane generator will be replaced with a diesel generator to

comply with City standards and DOH regulations for noise and exhaust emission. A new Generator Room will be provided to house the new and larger generator. The new Generator Room will extend farther north of the pump station building to allow use of the existing hoist and double doors for equipment installation, removal and maintenance. To reduce noise to the rear neighbor as well as all other neighbors, noise abatement equipment and acoustical wall insulation will be installed in the new Generator Room. The DOH noise limit of 55 dBA along the pump station boundaries or 45 dBA at the surrounding homes was adopted as the acoustical design goal for this project.

The addition of the new Generator Room to the existing Kuliouou WWPS will provide a rear yard setback of approximately 7 feet 8 inches and a waiver from the LUO is required from City Department of Planning and Permitting (DPP). The reduction of the rear yard setback will not have any impact on the site and surrounding environment since noise and emission abatement measures will be installed in the Generator Room. The 2006 Modifications will obtain the required waiver from the LUO from the City DPP. See **Figure 2-2**.

2.6 DEVELOPMENT SCHEDULE AND ESTIMATED COSTS

According to the Final EA, the design of the Kuliouou WWCS rehabilitation and WWPS improvements were to be initiated in the year 2002 and construction completed by the end of the year 2005. The City Department of Design and Construction (DDC) actually initiated the design improvements in the year 2003. It is estimated that construction documents will be completed in early 2007. Construction of the project should commence in the year 2007 and should be completed within three years. Thus, the improvements, including the 2006 Modifications, should be completed by the end of year 2010.

According to the Final EA, phasing of the project would be implemented without interruption of sewer collection and transport service for Kuliouou Valley. The existing Kuliouou WWPS wetwell may be used for storage of wastewater while construction of the force main replacement is being accomplished. The new emergency generator will be operational prior to the disconnection and removal of the existing generator from service. All WWPS modifications work will be coordinated by the City ENV prior to the start of the work.

The estimated construction cost for the Kuliouou WWCS rehabilitation and Kuliouou WWPS improvements is \$11,480,000. The estimated construction costs for the 2006 Modifications portion of the project is \$550,000. Funding will be by the City from its CIP budget, as approved by the City Council. The estimated construction cost for the various improvements planned are listed below:

1. Rehabilitate the Kuliouou Valley WWCS utilizing CIPP \$9,400,000
 - a. Rehabilitate lower basin (mains, lower laterals & manholes) \$7,550,000

| | | | |
|--|---|-------------|---------------------|
| b. | Rehabilitate upper basin (mains, laterals & manholes) | \$1,800,000 | |
| c. | Repair inflow deficiencies | \$50,000 | |
| d. | Develop enforcement program to maintain cleanouts & manhole covers* | | |
| 2. | Kuliouou WWPS Improvements (2001 Proposed Improvements) | | \$770,000 |
| a. | Replace generator, ventilation system, fuel tank, flow tube & box | | |
| b. | Construct generator room | | |
| c. | Install acoustical treatment | | |
| 3. | 2006 Modifications | | \$550,000 |
| a. | Landscaping and fuel tank change | \$50,000 | |
| b. | Force main replacement including piping within WWPS building | \$500,000 | |
| Total Estimated Construction Cost | | | \$10,720,000 |

* No construction costs for this item since it would be administrative cost for program.

2.7 LIST OF REQUIRED PERMITS

The Final EA incorrectly concluded that there are no discretionary land use approvals required from the State or City such as a zone change, State land use district boundary amendment, or Special Management Area Use permit for the improvements proposed under the various phases being implemented for this project. Waiver from City LUO for requirement of rear yard setback of 15 feet is a discretionary City permit and will be required from the City DPP.

The following permits will likely be required for implementing the various phased improvements of the 2006 Modifications:

State of Hawaii Permits

1. National Pollutant Discharge Elimination System (NPDES) General Permit for Discharge of Construction Dewatering, Notice of Intent (NOI) Form G.
2. Chapter 55 Water Pollution Control, HAR, Title 11, State Department of Health, for discharges of storm water associated with construction, discharges of hydrotesting waters, discharges associated with construction activity dewatering, etc.
3. Permit to Discharge Dewatering Effluent into State Drainage System.
4. Community Noise Control Permit.
5. Construction Noise Variance.

City & County of Honolulu Permits

1. Building, Grading, Trenching and Street Usage Permits.
2. Construction Dewatering Permit for Discharge into the City and County Separate Storm Sewer System.
3. Construction Dewatering Permit for Industrial Waste Discharge into the City and County Separate Storm Sewer System.
4. Installation of Above Ground Fuel Storage Tank.
5. Waiver from the City Land Use Ordinance Rear Yard Setback Requirement.

CHAPTER 3 ALTERNATIVES CONSIDERED

3.1 ALTERNATIVES FOR 2001 IMPROVEMENTS

According to the Final EA, alternatives considered to the 2001 improvements of the Kuliouou WWCS and WWPS consisted of: 1) performing no improvements (No Action Alternative) and delaying action on the improvements, 2) alternate methods of sewer rehabilitation, 3) alternative locations for the storage tank, 4) reductions of Kuliouou WWPS discharge, 5) improvement to the Hawaii Kai WWCS, and 6) realigning the Kuliouou WWPS force main. These various alternatives were discussed in the Final EA. These alternatives were dropped from further consideration and implementation because they would not adequately address the project needs and objectives compared to the proposed 2001 improvements. See Chapter 3 of the Final EA.

3.2 ALTERNATIVES FOR 2006 MODIFICATIONS

For this Supplemental EA, only Alternative 6 of realigning the Kuliouou WWPS force main would be applicable to the 2006 Modifications. Alternative 6 would be applicable for the force main replacement. The Final EA evaluated two scenarios. In the first scenario, the force main continued to discharge to the Hawaii Kai WWCS. In the second scenario, the Kuliouou WWPS force main is aligned to discharge to the Sand Island WWCS. This Supplemental EA also evaluated the force main replacement of the 2006 Modifications (1) to discharge to the Hawaii Kai WWCS and (2) to discharge to the Sand Island WWCS. A third scenario (3) to realign the force main replacement around the existing fiddle leaf fig tree at the Kuliouou WWPS front yard to save the tree from removal was also evaluated.

3.2.1 Realign Force Main Replacement to the Hawaii Kai WWCS

Since wastewater spills may occur due to certain heavy rainfall events when the Kuliouou WWPS flow is discharged at SMH "0," other manholes within the Hawaii Kai WWCS were investigated as possible discharge points for the Kuliouou force main replacement. According to the Final EA, manholes investigated as possible discharge points in the first scenario were SMH 8, 17, 33, and 57. See **Figure 8** of the Final EA. Force main replacement realignment alternatives are feasible only if the remainder of the Hawaii Kai WWCS downstream of the connection has adequate capacity to accommodate the peak flows. Since the Hawaii Kai WWCS is privately owned, detailed analysis was not conducted for the entire system. The relocating of the Kuliouou WWPS force main replacement discharge point to SMH 8, 17, 33 or 57 will increase the length of the force main replacement, will not reduce the rate of the peak flow and will not increase the downstream Hawaii Kai WWCS flow capacity. Therefore, it would not solve the potential spill problem and this alternative is not recommended for this project.

3.2.2 Realign Force Main Replacement to the Sand Island WWCS

The City also considered alternatives for conveying the Kuliouou WWPS flow to the City operated Sand Island WWCS. By redirecting the force main replacement to the Sand Island WWCS, the performance of the Hawaii Kai WWCS would no longer be an issue for the City, and the City would assume full jurisdiction over the Kuliouou wastewater transmission, treatment, and disposal.

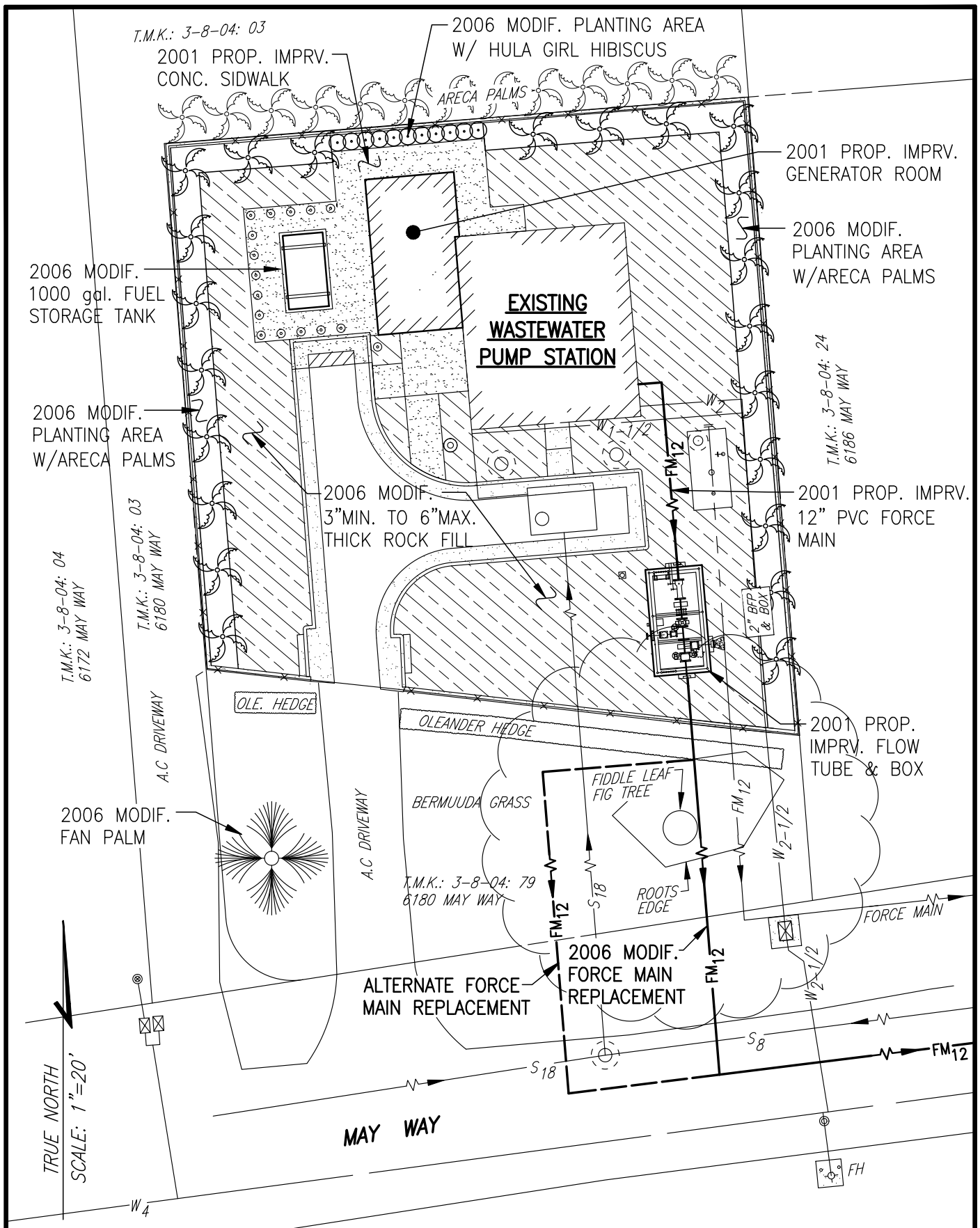
According to the Final EA, in the second scenario, the recommended alignment to divert the wastewater flow to Sand Island WWCS would be to reroute the Kuliouou WWPS force main along Kalanianaʻole Highway directly to the Niu Valley WWPS. See **Figure 9** of the Final EA. The relocating of the Kuliouou WWPS force main replacement to the Niu Valley WWPS will require modifications to the Niu Valley WWPS and force main, the Kahala WWPS and force main, gravity sewers along Kalanianaʻole Highway, and the remainder of the City's wastewater facilities to, and including the Sand Island WWTP. This alternative will have significant impact upon the environment and traffic along Kalanianaʻole Highway and will be very expensive. Therefore, this alternative is not recommended for this project.

3.2.3 Realign Force Main Replacement Around Fiddle Leaf Fig Tree

The proposed alignment of the 2006 Modification force main replacement across the Kuliouou WWPS front yard is close to the trunk and under the exposed roots of the existing fiddle leaf fig tree. See **Figure 3-1**. The tree will have to be removed for construction of the force main replacement and to avoid future operational and maintenance problems. To avoid the tree removal, the force main replacement could be realigned around the tree as shown on **Figure 3-1**. The realignment will increase the length of the force main replacement by 46 feet and will add two 90° bends. Construction costs will increase due to the increased length and added bends. Operational costs will increase due to increase in dynamic head requirements for the WWPS pumps. Since construction costs and operational costs will increase, this alternative is not recommended for this project.

3.3 CONSTRUCTION ALTERNATIVES

For this Supplemental EA, three alternative construction methods were evaluated for the force main replacement. Two of the methods, microtunneling and horizontal directional drilling, are trenchless technologies that were considered in addition to conventional open trench cut and cover construction.



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KULIOUOU WASTEWATER PUMP STATION
MODIFICATION AND FORCE MAIN REPLACEMENT
SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
**ALT. FORCE MAIN REPLACEMENT
ALIGNMENT AT KULIOUOU WWPS**

FIGURE
3-1

3.3.1 Microtunneling Alternative

Microtunneling is a remotely controlled, guided pipe jacking process in which a tunnel is drilled by a microtunnel boring machine (MTBM) from a jacking pit to a receiving pit along a predetermined path. The microtunneling machine is pushed through the earth using hydraulic jacks carefully mounted and aligned in the jacking pit. The pipeline is installed by continuously joining and pushing pipe sections behind the advancing MTBM. Jacking and receiving pits require large workspaces, typically 15 feet wide and 25 feet in length and must be set up at each change in horizontal and vertical alignment.

Microtunneling is normally selected when a new pipeline with few alignment changes are required in a developed, highly congested area with numerous underground utilities such that other construction methods are not applicable. The force main replacement alignment for this project is in an urban area and is likely to consist of many alignment changes to avoid existing utility lines and maintain minimal cover. This method would add significantly to the construction cost due to the need for new jacking and receiving pits at each alignment change. The extra time required for set up would also lengthen the construction schedule and prolong the inconvenience to local residents, pedestrians, and vehicular traffic. Thus, the microtunneling alternative is not recommended for this project.

3.3.2 Horizontal Directional Drilling Alternative

Horizontal directional drilling (HDD) is a remotely-controlled, trenchless process for installing pipelines across obstacles such as rivers, streams, and other environmentally sensitive areas where construction by trenching and excavation would be difficult or impossible. A pilot hole is drilled from the rig site at a prescribed angle and continues under and across the obstacle along a design profile and alignment made up of straight tangents and long radius arcs. The directional control is maintained by an electronic package through which data is transmitted back to the surface where calculations are made as to the location of the cutting head. After the pilot hole is completed, the hole is enlarged to a suitable diameter for the pullback of the pipeline by "prereaming" the hole to successively larger diameters. Once the drilled hole is enlarged, the pipeline is pulled through it. The pipe product may consist of high-density polyethylene, steel, or other suitable material.

HDD requires a work area at the rig site of a minimum of 100 feet wide by 150 feet long. The drilling operation uses large volumes of water for the mixing of the drilling slurry; thus, a nearby source of water is necessary. In addition, a 20-foot cover must be provided to prevent blowout.

When performing in an urban area, HDD will generate significant impacts on traffic and surrounding residential environment due to the requirement of a large work area at the rig site of at least 100 feet by 150 feet and a working area of at least 50 feet by 150 feet at the pipe jointing and layout site. This is likely to cause

inordinate inconvenience to residents, commuters and traffic. In an urban area with many alignment changes of the force main replacement to avoid existing utilities, numerous rig site setups will be required. HDD will add significantly to the construction schedule and cost. Thus, the HDD alternative is not recommended for this project.

3.3.3 Open Trench Cut and Cover Alternative

Conventional open trench cut and cover construction is currently the most common and traditional method of pipeline installation in Hawaii. An open trench is excavated, the new pipeline is installed, the trench is backfilled, and the ground surface is restored. Negative impacts on traffic and surrounding residential environment will occur and will be mitigated as discussed in **Chapter 4 Affected Environment and Environmental Consequences** of this document. Flowable fill or controlled low strength material will be evaluated and considered for backfill material to mitigate negative impact of inadequate backfill compaction.

Shoring and sheeting or other excavation support system will be required along the entire pipeline alignment because of the silty sands to be encountered, the close proximity to existing structures, and the depth of trenches required for pipeline installation. Dewatering of excavations will be required since groundwater will be encountered in the open trench. Shoring, sheeting, and dewatering operations will conform to applicable Federal, State, and local regulations as discussed in **Chapter 4** of this document

Construction of the force main replacement by conventional open trench and cover construction is familiar to contractors in the State. This most common and traditional method of pipeline installation is recommended for the project.

CHAPTER 4

AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES

The existing surrounding environment in the vicinity of the project site is discussed in this chapter. The probable environmental impacts associated with the construction and operation of the 2006 Modifications to the Kuliouou WWPS are discussed and mitigative measures are identified, if necessary. Impacts of 2001 Proposed Improvements and mitigative measures, if necessary, are not included since they were discussed in the Final EA.

4.1 PHYSICAL ENVIRONMENT

This section describes the existing physical environment and resources present in the vicinity of the project site.

4.1.1 Climate

According to the Final EA, the climate of the State of Hawaii is relatively moderate throughout the island chain. Oahu's temperatures have small seasonal variation such that the temperature range averages only 7 degrees between the warmest months (August and September) and the coolest months (January and February) and about 12 degrees between day and night. The Kuliouou and Hawaii Kai area are generally warm and dry with average temperatures ranging from 65 degrees to 85 degrees Fahrenheit throughout the year.

Winds are predominantly "trade winds" from the east-northeast except for occasional periods when "Kona" storms may generate strong winds from the south or when the trade winds are weak and land breeze to sea breeze circulations develop. Wind speeds vary between about 5 and 15 miles per hour providing relatively good ventilation much of the time.

The Kuliouou to Hawaii Kai region has a semi-arid climate with average annual rainfall of about 20 to 30 inches along the coastline. Monthly rainfall averages less than 2 inches throughout most of the year. Most of the rainfall occurs during winter storms usually taking place from October to April.

4.1.2 Topography and Soils

4.1.2.1 Existing Topography

According to the Final EA, the Kuliouou WWPS and force main replacement sites are generally comprised of level terrain with elevations ranging between 4 to 6 feet above msl. The above ground facilities at the WWPS site are primarily associated with the existing pump station structure, ancillary equipment, trees and vegetation, and at the force main replacement site with asphalt pavement, concrete

curb, gutters, and sidewalk, utility poles, and vegetation. Other topographic features such as the sewer, water, drain, telephone, and electric facilities are located underground within existing City road rights-of-way.

4.1.2.2 Existing Soils

According to the Final EA, two land and soils types are present at the Kuliouou project area. They consist of Jaucas Sand (JaC) and Fill land, mixed (FL).

1. JaC soil type extends along the shoreline and along both sides of Kalanianaʻole Highway. This classification comprises loamy fine sand with rapid permeability and very slow runoff. This soil type is used for pasture, sugar cane, truck crops, alfalfa, recreation areas, wildlife habitat and urban development.
2. FL land areas extend toward Kuapa Pond and north of the JaC soils. This land type is often the result of past dredging operations from nearby areas. These fill lands generally consist of silty sand and coral gravel that characteristically have high porosity and permeability. Areas of FL are used for urban development including airports, housing areas, and industrial facilities.

4.1.2.3 Probable Impacts from Construction Activity and Mitigative Measures

The 2006 Modifications involve some land-disturbing activities for the installation of rock fill, for the planting of areca palms, hula girl hibiscus, fan palm and kukui tree, and for the construction of the force main replacement. Excavation, trenching, and some grading and related construction activities will occur. However, such construction activities will be minimal, of a short-term nature, and limited to the existing Kuliouou WWPS site and the route of the force main replacement on May Way and Kawaihae Street.

It is expected that trenching activities will require dewatering. Thus, trenching activities could result in silt from dewatering to enter Kuapa Pond and Maunalua Bay and have some short-term impact on water quality. Best management practices (BMP) will be considered and incorporated into plans to address potential short-term impacts from dewatering and will be implemented by the Contractor to minimize impacts on the coastal waters.

Construction dewatering will also require coverage under the NPDES Permit system. Therefore, impacts of dewatering on coastal waters and water quality should be minimal or minor because the Contractor will be required to comply with permit conditions and employ approved measures to minimize the effects of dewatering of silt from trenching activities.

Other typical short-term impacts associated with construction-related activities are not expected to have a significant impact on the surrounding environment. Such impacts typically involve dust, noise, odors, and traffic disturbances along surrounding roadways. Fugitive dust is expected to be minimal because construction activities will involve relatively minor grading and excavation activities. Construction noise should not have a significant impact on noise sensitive resources such as schools and residences due to the limited construction activity occurring as discussed in **Subsection 4.1.5 Noise** of this document. Traffic disturbances on surrounding roadways should be minimal and short-term. A traffic control plan will be prepared and implemented as discussed in **Subsection 4.4.5 Transportation Facilities** of this document.

According to the Final EA, both temporary and permanent erosion and sediment control measures and BMP will be considered during the project's design for implementation as appropriate. Some typical erosion control measures and BMP that will be considered for implementation include the use of silt fences and detention basins to slow runoff and retain sediment and the application of various soil stabilization and protection materials. Dust control measures which could be considered include the implementation of a watering program to minimize soil loss from fugitive dust particle emissions. Other measures include good construction management practices at the job-site and the paving or planting of bare earth areas as soon as practicable. Necessary measures will be developed during the project's design and coordinated with appropriate government agencies for review.

Necessary permits from the City will be obtained which will include the preparation of plans subject to City review and approval for implementation. In addition, construction activities will comply with pertinent Administrative Rules of the State DOH such as Title 11, Chapter 46 (Community Noise Control), and Chapter 60 (Air Pollution Control). These measures will mitigate short-term impacts of construction activities on the adjacent environment. No long-term impacts on the surrounding environment will occur due to construction activities.

4.1.3 Natural Hazards

This section addresses only those natural and urban-related hazards applicable to the 2006 Modifications project site. Of the potential natural hazards, only earthquakes, hurricane, and flood hazards are applicable. These natural hazards are addressed below. There are no other potential urban-related hazards applicable to the project site such as airport clear zones, nuisances, or hazardous waste issues associated with this project.

4.1.3.1 Earthquake Hazard

According to the Final EA, earthquakes in the Hawaiian Islands are primarily associated with volcanic eruptions resulting from the inflation or shrinkage of magma reservoirs beneath which shift segments of the volcano. Oahu is

periodically subject to episodes of seismic activity of varying intensity. Available historical data indicates that the number of major earthquakes occurring on Oahu have generally been less and of lower magnitude compared with other islands such as Hawaii. However, earthquakes cannot be predicted with any degree of certainty or avoided; and an earthquake of sufficient magnitude (greater than 5 on the Richter Scale) may cause damage to the existing wastewater system.

Although the possibility of earthquakes on Oahu have been lower than other islands, potential damage to constructed wastewater facilities may occur from an earthquake of sufficient magnitude. However, damages to these facilities will be minimized by following appropriate City Building Code requirements. Thus, the risk of potential damage to the 2006 Modifications will not be more than other existing land uses or infrastructure facilities on the island of Oahu.

4.1.3.2 Hurricane Hazard

According to the Final EA, a hurricane of significant strength and high winds passing close to the island of Oahu could cause damages to the Kuliouou WWPS. However, the potential for damages to this facility would be less than that for residences and buildings in other urbanized areas of East Honolulu. The majority of facilities associated with the Kuliouou WWPS and the force main replacement are located underground making them less susceptible to damage from high winds.

To minimize potential damages, the improvements will be designed and constructed in conformance to applicable City Building Code and wastewater system design standards. Thus, the risk of potential damage from high winds should not be more than for other existing wastewater system developments in the East Honolulu district.

4.1.3.3 Flood Hazard

According to the Final EA, the majority of the affected residential area that is mauka of Kalanianaʻole Highway and the Kuliouou WWPS and force main replacement sites in particular fall within Zone D of the 100-year flood hazard area as designated on the Flood Insurance Rate Map (FIRM) prepared by the Federal Emergency Management Agency. Zone D is defined as areas where flood hazards are undetermined. It is also outside of the tsunami inundation area.

Proposed facilities and structures will be designed and constructed in compliance with City Building Code requirements for structures within flood Zone D. Consequently, the project is not expected to be significantly affected by flood or tsunami inundation or change in the existing topography or drainage conditions of the area increasing potential flood areas.

4.1.4 Air Quality

4.1.4.1 Existing Air Quality

According to the Final EA, air quality in Hawaii is generally characterized as “relatively clean and low in pollution.” Northeast tradewinds that are predominant throughout the year typically carry emissions and other air pollutants from inland areas out toward the ocean.

Air Quality Standards (AQS) applicable to the Kuliouou Valley area are set by the State DOH and the U.S. Environmental Protection Agency (EPA). The State DOH generally sets the AQS at a more stringent level than national standards. Established stations that monitor compliance with the AQS are located in a number of areas across Oahu.

The AQS for particulate matter, carbon monoxide, and ozone have been exceeded in the Honolulu area in recent years. The Kuliouou Valley is occasionally susceptible to periods of lower air quality when tradewinds give way to southerly “kona” winds. Localized problems of poor air quality generally occur along the heavily traveled transportation corridors such as Kalanianaʻole Highway.

4.1.4.2 Probable Impacts and Mitigative Measures

Potential short-term and temporary impacts to air quality may occur from dust emissions and odors from open force main and manhole during construction of the 2006 Modifications. Exhaust emissions from construction equipment may also temporarily affect ambient air quality. However, these impacts will be short-term and should not result in a significant impact or exceed State ambient air quality standards. Construction activities will be temporary and will comply with government regulations concerning construction activities.

In keeping with State DOH and City rules (HAR Chapter 11-59, “Ambient Air Quality Standards” and Chapter 11-60.1, “Air Pollution Control”), dust control measures will be implemented during construction to control airborne particulate matter. The use of approved erosion control plans and mitigative methods such as water sprinkling will reduce potentially adverse air quality impacts. Wet cutting or dry cutting with other dust control measures will be used when saw-cutting asphaltic concrete pavements.

Construction scheduling combined with dust control measures will be implemented to minimize air quality impacts such that the least number of residents are affected by work activities. Engine exhaust emissions from construction vehicles will be minimized via the proper operation and maintenance of all equipment to further limit potential air quality impacts. Impacts from slow moving construction vehicles will be mitigated by scheduling slow-moving vehicular travel during periods of low traffic volume on the affected streets and highways.

Odors may impact area residents when the force main replacement is connected to the existing force main at the Kuliouou WWPS and to the Hawaii Kai WWCS at SMH "0." The impact will be minimal since the wastewater system will be shutdown during connections. Other odor control measures will be implemented in conformance with DOH regulations.

4.1.5 Noise

4.1.5.1 Existing Noise

According to the Final EA, the Kuliouou WWPS site is situated within a residential zone district (Class A). Under the State DOH Community Noise Control regulations (Title 11, Chapter 46, HAR), the maximum permissible sound levels for construction activities is 55 dBA during daytime (7:00 a.m. to 10:00 p.m.) hours and 45 dBA during nighttime hours (10:00 p.m. to 7:00 a.m.). These levels may not be exceeded at or beyond the property line for more than 10 percent of any continuous 20-minute period. Paragraph 4.1.5 of the Final EA discussed the impacts of the 2001 Proposed Improvements new generator and actions to be implemented to attenuate noise from the generator room to comply with DOH regulations.

Existing noise levels were measured at various locations on the Kuliouou WWPS site and were generally found to be controlled by motor vehicle traffic on Kalanianaʻole Highway. Daytime background ambient noise levels ranged from 46.0 dBA to 53.0 dBA with an average level of approximately 50 dBA. Nighttime traffic noise levels are estimated to be approximately 10 dBA less than daytime levels. Noise levels at the property line due to the 2006 Modifications to the Kuliouou WWPS will be less than the DOH maximum allowable levels.

4.1.5.2 Probable Impacts and Mitigative Measures

Construction-related activities for the 2006 Modifications will temporarily increase ambient noise levels within the vicinity of the work area. Potential noise sources will include construction vehicles, trenching work, equipment used for force main replacement and temporary bypass lines, and other power equipment. Measures to control construction noise will include the use of mufflers on power equipment and vehicles and the implementation of the requirements of the Community Noise Control Permit.

Community Noise Control Permit will be obtained from the State DOH to allow construction activities. Specific permit restrictions for construction activities are:

1. No permit shall allow construction activities creating excessive noise before 7:00 a.m. and after 6:00 p.m. of the same day.
2. No permit shall allow construction activities that create excessive noise before 9:00 a.m. and after 6:00 p.m. on Sundays.

3. No permit shall allow construction activities which exceed the allowable noise levels on Sundays and on holidays.

Construction activities are generally expected to be limited to regular workday hours (8:30 a.m. to 3:30 p.m., Monday through Friday). When connecting to existing pipelines, some nighttime work will be required. Construction activities of the project shall be in compliance with the requirements of the Community Noise Control Permit and are not expected to result in a significant noise impact on the surrounding environment.

4.1.6 Visual Resources

According to the Final EA, the proposed improvements to the Kuliouou WWPS are not expected to have any significant impact on existing views of significance or on important visual resources. There are no existing viewing points for the public on the WWPS site and the property is surrounded by other existing residential homes. There are no important visual resources present on this property either.

Construction of the 2006 Modifications is expected to have a minimal or no effect on visual resources or public viewing points. The proposed generator room and the 1000-gallon diesel fuel storage tank are expected to be the only additional aboveground structures added to the WWPS property. These improvements will not interrupt existing viewing areas or scenic points in the East Honolulu area. The force main replacement will be located underground; thus, there are no visual resources affected by this improvement.

4.1.7 Historic, Archaeological, and Cultural Resources

4.1.7.1 Historic Assessment

According to the Final EA, the immediate area associated with the Kuliouou WWPS is currently urbanized consisting primarily of roadways and homes. Consequently, there are no known historic, archeological or cultural resources situated above ground within the project site and surrounding area which would be affected by the 2006 Modifications.

4.1.7.2 Archaeological Assessment

According to the Final EA, there is the potential for encountering human burials within the Kuliouou WWPS and the force main replacement sites due to the type of subsurface work planned. Consultation with the State Historic Preservation Division (SHPD) has indicated that historic sites, including numerous human burials have been found in subsurface deposits throughout this area, especially in areas where Jaucus sand deposits are located.

According to the Final EA, the Kalanianaʻole Highway Widening project encountered a cemetery/burial ground containing human skeletal remains as well as archeological deposits related to habitation and possible marine resource exploitation in the vicinity of the Kuliouou WWPS near May Way. The extent of the cemetery boundary was not defined at that time, but was believed to extend beyond the Kalanianaʻole Highway roadway corridor.

To minimize any impacts on the uncovering of potential archaeological deposits, human burials, iwi kupuna, or other archeological significant features or cultural artifacts associated with this project, an archeological monitoring plan was developed by Cultural Surveys of Hawaii, Inc. and accepted by SHPD in letter (LOG NO: 2006.4105, DOC NO: 0612amj14) dated December 27, 2006. The plan recommends on-site (full-time) monitoring for all ground disturbance activity below the base course for the *makai* portion of the project area which includes the 2006 Modifications to the Kuliouou WWPS site. An archaeological monitor will be hired to halt construction, identify any historic sites, document them, and consult immediately with SHPD on significance evaluations and mitigation treatment. By developing an acceptable archaeological monitoring plan accepted by SHPD for implementation, the proposed project will have no adverse effect on significant historic and archeological sites which may potentially be within the subsurface area of the project site.

4.1.7.3 Cultural Assessment

According to the Final EA, the project is not expected to adversely affect traditional native Hawaiian cultural practices or other ethnic groups cultural practices. There are no known traditional cultural practices occurring within the existing rights-of-way of May Way and Kawaihae Street affected by the project. Such areas are used as travel way for vehicles. The Kuliouou WWPS site owned by the City has been used for the WWPS for over 35 years and is located in a residential neighborhood. There are no known traditional native Hawaiian or other ethnic groups cultural practices occurring on this property.

The project will not restrict access to surrounding areas which may be used for traditional native Hawaiian cultural practices. Construction activities will result in temporary street lane closures. However, this will not prevent access to shoreline areas or other potential cultural resources in the surrounding area that may be used for traditional gathering or other cultural practices.

The open trench work necessary for the force main replacement may encounter cultural deposits or possible burials during construction work. However, an archeological monitoring plan was accepted by SHPD to address mitigative measures to be implemented by the Contractor as noted above. With development of this monitoring plan accepted by SHPD for implementation, the project will have no significant adverse effect on historic and cultural sites. As a result, the project is not expected to have a significant impact on traditional native Hawaiian cultural practices or resources.

4.2 BIOLOGICAL ENVIRONMENT

4.2.1 Botanical Resources

According to the Final EA, vegetation within the Kuliouou WWPS site consists primarily of grass and weeds with few trees. The force main replacement is located underground within the road rights-of-way of May Way and Kawaihae Street. Thus, there are no botanical resources associated with the project.

None of the observed vegetation within the WWPS site or within the affected road rights-of-way are known to be Federal- or State-listed threatened or endangered, or candidate threatened or endangered species. Two kukui trees, two shower trees, one coconut palm, and one fiddle leaf fig tree existing within the Kuliouou WWPS site will require replacement with areca palm hedges, a fan palm, and a kukui tree as a result of the construction of the modifications. Construction of the 2006 Modifications is not expected to have a significant impact on botanical resources.

4.2.2 Avifauna and Fauna Resources

According to the Final EA, urbanized areas typically provide no suitable habitat for threatened, endangered, or candidate fauna species presumed or known to reside on the island of Oahu. Wildlife within the Kuliouou Valley residential area generally consists of insects, birds, mammals, reptiles and amphibians that were introduced or indigenous species that are commonly found in urban environments (i.e., mongooses, rats, mice, cats, etc.). No Federal- or State-listed threatened or endangered or candidate threatened or endangered species are known to exist within the Kuliouou WWPS and force main replacement sites or adjacent residential area. No significant resources for endangered, threatened or candidate species are known to exist within the developed residential and apartment areas. Consequently, construction of the 2006 Modifications is expected to result in no significant impacts to important faunal populations or resources.

4.2.3 Hydrogeological Resources

4.2.3.1 Existing Hydrogeological Resources

According to the Final EA, groundwater within the general project area exists primarily as basal water floating on salt water; coastal areas may exhibit some basal water in sediments. Rainfall is a primary source of groundwater recharge. The high groundwater level at the Kuliouou WWPS site is 3.0 feet above msl taking into consideration tidal fluctuations.

The coastal waters are of high quality because disposal of municipal, agricultural, and industrial wastes have been much improved or eliminated by land treatment and water-reuse practices. Coastal waters in the vicinity of the project area are designated as Class A waters and their use for recreational purposes and

aesthetic enjoyment is protected by treatment or control compatible with the criteria established for this class according to State DOH, HAR 11-54, Water Quality Standards.

4.2.3.2 Probable Impacts and Mitigative Measures

The replacement of 6 trees with areca palms, a fan palm, and a kukui tree and of Bermuda grass surface within the fenced Kuliouou WWPS site with rock fill and the trenching and dewatering for the force main replacement of the 2006 Modifications is expected to have minimal impact on the surrounding groundwater system. The replacement, trenching and dewatering should not change the amount of localized groundwater recharge occurring at the project site and is expected to have negligible and ultimately inconsequential impact to the overall function of the area's natural hydrological system. Rock fill surface created as a result of the project will create only minimal decrease of localized runoff and will increase the total time of concentration.

Impacts to coastal resources and water quality are also expected to be minor since the proposed force main replacement for the 2006 Modifications is intended to eliminate wastewater spills from leaks in the existing force main. Wastewater spills during periods of heavy rainfall will continue to exist due to the constriction of the Hawaii Kai WWCS. There should be a reduction in wastewater spills and an improvement to the water quality of the surrounding coastal waters.

Construction of the 2006 Modifications could result in short-term impacts on coastal resources and water quality resulting from silt runoff. It is expected that the construction activities such as trenching may also require dewatering. Thus, these construction activities could result in localized silt runoff that has a potential to enter coastal waters having some short-term impact on water quality. However, best management practices (BMP) as discussed in **Subsection 4.1.2.3 Probable Impacts from Construction Activity and Mitigative Measures** of this document will be incorporated into design plans and will be implemented by the Contractor to minimize the impacts of silt runoff on coastal waters.

In addition, plans will be reviewed by pertinent government agencies for comments and approval prior to construction. Construction dewatering will also require coverage under the NPDES Permit system. Therefore, impacts on coastal waters and water quality will be minimal or minor and short-term because the Contractor will employ approved measures to prevent silt runoff from construction areas along with complying with other permit conditions.

The impact on Kuapa Pond, the nearest water resource, will be minimal and short-term and will not impact boating activities. The impact on Maunalua Bay downstream of Kuapa Pond will be minor and not detectable and will not impact on surfing, canoeing and limu gathering and the habitat of the A'e'o (Hawaiian Stilt) at the Paiko Lagoon Wildlife Sanctuary.

4.3 ECONOMIC, FISCAL AND SOCIAL FACTORS

This section discusses the project's probable impact on economic, fiscal and social factors. Due to the nature of improvements proposed for the 2006 Modifications, impacts will primarily be associated with construction-related activities.

4.3.1 Economic and Fiscal Factors

The projected construction cost for total planned improvements to the Kuliouou WWCS and WWPS is estimated to be \$11,480,000. The estimated cost for the construction of the 2006 Modifications work discussed in this Supplemental EA is \$550,000. This construction project will create construction jobs over the anticipated one-year construction period.

According to the Final EA, construction jobs will typically consist of on-site laborers, tradesmen, equipment operators, supervisors, etc. These jobs will generate personal income for construction workers. Personal income is defined as the wages paid to the direct construction workers or operational employees associated with a development. Direct construction jobs created will also stimulate indirect and induced employment within other industries on Oahu.

Fiscal impacts associated with this project would primarily involve slightly additional tax revenue generated to the State. Tax revenue sources for State government will be composed primarily of general excise taxes (GET) on development costs and construction materials, and corporate income tax. In addition, GET taxes on indirect and induced income spent stimulated by the spending of direct income will also contribute new revenues to the State. The approximately \$550,000 expended for the 2006 Modifications construction activities will therefore generate some increased tax revenue to the State.

Since City revenues are primarily limited to property tax revenues, there will be minimal changes to the City revenues. The improvements planned for the Kuliouou WWPS property will contribute to property value; however, this increase is expected to be minimal. No changes to the property values or existing surrounding residences are anticipated from the construction of the 2006 Modification to the project. The project will not generate any new in-migrant residents to the island of Oahu. Thus, there will not be any effect on State and County operational expenditures for public services.

4.3.2 Social Factors

The improvements planned to the Kuliouou WWPS by the 2006 Modifications are not expected to change the existing resident population in Kuliouou or the East Honolulu district. The project is a City initiated wastewater system modification project. There are no new residential units or visitor units associated with this project. Thus, the project should result in no in-migration of

individuals to reside within the City. As a result, there should be no impact on the existing resident population.

The 2006 Modifications will also not change or alter the character of the Kuliouou residential community or the character of the East Honolulu district. The Kuliouou WWPS site already exists and will only have minor structural additions to the site. The aboveground fuel storage tank will be increased in size from 250 to 1,000 gallons. Other improvements will be located underground on this site. The force main replacement will be installed underground in the City road rights-of-way of May Way and Kawaihae Street. Consequently, this project will not change existing uses in the surrounding area or have a significant impact on surrounding urbanized land uses.

According to the Final EA, Kuliouou Valley is currently under a sewer connection moratorium preventing further expansion of residences in the valley. This moratorium also prevents the subdividing of existing lots to allow for additional homes to be built. The force main replacement planned to the Kuliouou sewer system under the 2006 Modifications may allow for this moratorium to be lifted if flows are reduced to a level satisfactory to the City. Consequently, construction of the 2006 Modifications could have a small benefit to the existing community by allowing some flexibility in considering additional sewer connection requests.

4.4 INFRASTRUCTURE FACILITIES

This section discusses the 2006 Modification's probable impact on infrastructure facilities serving the project site and surrounding area. Due to the nature of modifications proposed for the project, most of the impacts will be associated with construction-related activities.

4.4.1 Water Facilities

The Honolulu Board of Water Supply (BWS) provides potable water to the Kuliouou WWPS and the force main replacement sites via a 12-inch water main on Kawaihae Street and an 8-inch distribution main that runs along May Way. A 2-1/2 inch water lateral with a 2-inch water meter provides water to the WWPS site. The 2-1/2 inch water lateral is sufficient for the water usage of the WWPS required by the 2006 Modifications. No changes of the existing BWS water supply facilities will be required for the project.

4.4.2 Wastewater Facilities

The force main replacement of the 2006 Modifications is intended to improve the existing Kuliouou WWPS and WWCS serving Kuliouou. As a result, this project will have a positive impact in reducing the potential for future wastewater spills during heavy rains or severe storms according to the Final EA. The project will create a reduction of chlorides that will have a positive impact on wastewater treatment reuse opportunities. Except for the addition of the force main replacement, no changes of the existing wastewater facilities will be required for the project.

4.4.3 Drainage Facilities

According to the Final EA, provisions for drainage within the project area generally follow roadway alignments and flow towards the ocean. In the vicinity of the Kuliouou WWPS, drainage is directed to several storm drains along May Way and Kawaihae Street that discharge to Kuapa Pond.

The 2006 Modifications to the Kuliouou WWPS and the force main replacement addition will have minimal impact on the existing drainage system serving this area. Rock fill and paved area created on the WWPS property will increase the amount of impervious surface on the parcel. However, this increase will be minimal and should have negligible effect on existing runoff quantities from this property. According to the Final EA, existing drainage facilities serving this project site will be adequate for the 2001 Proposed Improvements. It will not require any improvements due to construction of the 2006 Modifications.

4.4.4 Solid Waste Facilities

According to the Final EA, solid waste collection for the Kuliouou Valley area is provided by the City ENV. Waste is transported to the Campbell Industrial Park H-Power energy recovery incinerator.

Construction of the 2006 Modifications will generate some solid waste typical of this type of construction-related activity. The volume of solid waste generated is expected to be minimal due to the small area being affected at the Kuliouou WWPS site and the force main replacement route along May Way and Kawaihae Street. Construction-related solid wastes generated will be a short-term impact and consist primarily of vegetation, demolished concrete, rocks, and other debris created from clearing, excavation, and grading activities. The Contractor will be required to properly dispose of all debris generated from construction in conformance with City and State regulations.

4.4.5 Transportation Facilities

According to the Final EA, Kalanianaʻole Highway provides the only major vehicular access to the Kuliouou WWPS and the force main replacement sites from Kawaihae Street and May Way. Heavier traffic volumes occur during peak travel periods such as weekday mornings and afternoons along these streets. Traffic within the immediate vicinity of the Kuliouou WWPS and the force main replacement sites is mostly limited to area residents since Kawaihae Street and May Way are local traffic streets. Low traffic volumes generally occur in this area during the non-peak hours.

Traffic on and adjacent to the force main replacement alignment on Kawaihae Street and May Way will be adversely impacted by construction activities and the presence of construction equipment. City streets will experience periodic disruptions to traffic flow like lane closures and street parking will be restricted. The Bus stop at the northwest corner of the intersection of Kawaihae Street and May

Way will require temporary relocation and TheBus service on Kawaihae Street will be disrupted. Kalanianaʻole Highway traffic will not be disrupted by construction activities.

Traffic control plans (TCP) and specifications will be prepared by a licensed professional engineer to minimize disruptions to normal traffic by construction activities. The TCP will be required to comply with all rules, regulations, and instructions of the City and State to mitigate traffic impacts. The TCP will be submitted to and approved by the City for street usage permit and implemented by the Contractor during construction. Appropriate signs and barriers will be erected and at least one lane will remain open during workday hours of 8:30 a.m. to 3:30 p.m. There will be no traffic detours. After working hours, trenches will be covered with a non-skid bridging material, and all lanes will be opened to traffic. Off-duty police officers may be required for traffic control. Driveways will be kept open. Provisions for pedestrian traffic will allow safe passage around any closed walkways.

The Contractor shall notify Oahu Transit Services, Inc., (OTS-TheBus Contractor), Ed Sniffen (848-4571) or Lowell Tom (848-4578), two weeks prior to construction, informing them of location, scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stops.

The Kuliouou-Kalani Iki Neighborhood Board (NB) No. 2 and Hawaii Kai NB No. 1 will be notified and kept apprised of the nature of work, construction schedule, lane closures, expected length of time of inconveniences, any restrictions which may be imposed to complete the work, and the Contractor's phone number to be called to report traffic concerns.

Construction of the 2006 Modifications will have short-term and temporary impacts to traffic due to the movement of slow-moving, heavy construction vehicles and equipment. Completion of the proposed modifications and construction action are not expected to generate long-term traffic impacts.

4.5 PUBLIC FACILITIES AND UTILITIES

This section discusses the 2006 Modification's probable impact on public facilities and utilities serving the project site and surrounding area. Due to the nature of improvements proposed for the 2006 Modifications, impacts will primarily be temporary and associated with construction-related activities.

4.5.1 Electrical and Communication Facilities

Construction of the 2006 Modifications to the Kuliouou WWPS and the force main replacement is not expected to have significant impact on Hawaiian Electric Company's existing electrical facilities and its ability to provide electricity. In addition, Hawaiian Telcom's existing telecommunication facilities and Oceanic Time Warner Cable's existing cable television facilities will not be affected by this project. Appropriate coordination with these utility companies will be conducted during the design and construction to minimize disruptions to their services or activities.

4.5.2 Educational Facilities

According to the Final EA, there are no educational facilities in the immediate vicinity of the Kuliouou WWPS and force main replacement sites or in Kuliouou Valley. The nearest schools in the area are Niu Valley Middle School located about 2 miles away in Niu Valley and Hahaione Elementary School located about 1 mile away in Hawaii Kai. The only potential impact on these schools from the project would be associated with short-term construction-related activities. Since the schools are located a considerable distance away from the project site, the construction of the 2006 Modifications will have no impact on the schools.

4.5.3 Police and Fire Protection Facilities

The construction of the 2006 Modifications to the Kuliouou WWPS and the force main replacement is expected to have only minimal or minor short-term impact on the police and fire departments' operation. However, such impacts are not expected to affect their ability to provide adequate protection services to the Kuliouou community and East Honolulu district.

According to the Final EA, police staff may be hired to assist in directing traffic during construction activities. There is also the possibility of some complaints to the Honolulu Police Department (HPD) from residents over dust and noise from construction activities. However, the Contractor will be required to comply with applicable regulations and permit conditions governing construction activities to minimize disruptions to nearby residents. Best management practices will also be implemented to minimize dust, erosion, and other nuisances from short-term construction activities. The project will have minimal impact on the HPD's ability to provide protective services in the project area.

According to the Final EA, fire apparatus access will be provided throughout the construction site for all phases of this project. Access to fire hydrants will be maintained. The Fire Communication Center at 523-4411 will be notified by the Contractor of any interruption to the existing fire hydrant system during construction activities. Thus, construction activities associated with the project will have minimal impact on the Honolulu Fire Department (HFD) operations or ability to provide protective services. In addition, appropriate coordination will be performed during the design of this project which will include submitting construction plans of the generator and 1,000 gallon diesel fuel tank for HPD review. A permit will be obtained from the HFD prior to installation of the above ground diesel fuel tank.

4.5.4 Recreational Facilities

Recreational facilities located in the vicinity of the Kuliouou WWPS and force main replacement sites include Kuliouou Beach Park, Maunalua Bay Beach Park, and Kuapa Pond (privately owned marina).

According to the Final EA, construction activities associated with this project are not expected to result in a significant impact on these recreational facilities nor severely disrupt existing recreational activities from occurring. Construction activities will not involve the use of these facilities or impede existing activities conducted there. Design of the project will include developing appropriate erosion control plans and best management practices to minimize silt from construction, dewatering and storm runoff from entering Kuapa Pond or Maunalua Bay. Such plans developed will be reviewed and approved by appropriate government agencies. Thus, implementation of such plans will provide sufficient measures to minimize impacts on these recreational facilities.

4.5.5 Medical Facilities

There are no medical facilities located in the immediate vicinity of the Kuliouou WWPS and force main replacement sites. Consequently, short-term construction activities associated with the project will have no impact on medical facilities or activities.

CHAPTER 5

CONFORMANCE WITH PLANS AND POLICIES

This chapter discusses the project's conformance with the State Land Use District regulations and pertinent objectives and policies of the City's General Plan, East Honolulu Sustainable Communities Plan, and City Zoning Districts.

5.1 STATE LAND USE DISTRICT

According to the Final EA, the Kuliouou WWPS site and surrounding residential and low and medium density apartment areas are classified as Urban on the State's Land Use District Boundary Map for the Hawaii Kai region (O-15, Koko Head). Urban District permits activities or uses as provided by ordinances or regulations of the county within which the Urban District is situated. Thus, the Kuliouou WWPS site and the roadway areas of the force main replacement are regulated by the ordinances and regulations of the City.

5.2 CITY GENERAL PLAN

According to the Final EA, this project will conform to and be consistent with applicable objectives and policies described under the City's General Plan. The General Plan is a statement of long-range social, economic, environmental, and design objectives for the general welfare and prosperity of the people of Oahu. It includes statements of both broad policies that facilitate the attainment of the objectives of the General Plan and controls and distributes anticipated population growth to avoid social, economic, and environmental disruptions and to allow people to live and work in harmony. Safe, efficient, and environmentally sensitive wastewater system must be provided to meet the needs of the people of Oahu. The General Plan requires that such need be met with careful consideration of the social, economic, and environmental consequences.

The 2006 Modifications to the Kuliouou WWPS, including the force main replacement, will carefully consider social, economic and environmental consequences and will be in compliance with statements and policies in the City's General Plan. The project will be consistent with the objectives and policies of the General Plan.

5.3 EAST HONOLULU SUSTAINABLE COMMUNITIES PLAN

According to the Final EA, the City's East Honolulu Sustainable Communities Plan was adopted in May 1999. This Plan for East Honolulu presents a vision for future development in this area consisting of policies, guidelines, and conceptual schemes that will serve as a policy guide for more detailed zoning maps and regulations.

Under this Plan's Urban Land Use Map, the Kuliouou WWPS site and surrounding area are designated as Residential and Low and Medium Density Apartments. Under the Public Facilities Map, the Kuliouou WWPS site and surrounding area are designated as Urban Community Areas. The wastewater improvements proposed as part of the 2006 Modifications to the Kuliouou WWPS will be in compliance with applicable policies and objectives of the East Honolulu Sustainable Communities Plan. The project will be consistent with pertinent policies and objectives of the Sustainable Communities Plan.

5.4 EAST HONOLULU PUBLIC INFRASTRUCTURE MAP

In accordance with Section 4-8.3 of the Revised Ordinances of Honolulu (Ordinance 02-03), the proposed 2006 WWPS Modifications and the Force Main Replacement will not require the addition of a symbol to the East Honolulu Public Infrastructure Map (PIM) for this publicly funded project. Sewer lines are not a type of public infrastructure to be shown on the PIM. The 2006 Modifications to the Kuliouou WWPS will not have a significant impact on surrounding land uses or the natural environment, will not involve modification of an existing facility which would permit significant new development or redevelopment, and will not cost over \$3,000,000 for capital improvements for the WWPS.

5.5 CITY ZONING DISTRICTS

According to the Final EA, the Kuliouou WWPS property is zoned R-10 Residential along with the surrounding residential properties. According to the City zoning district maps, properties adjacent to Kawaihae Street are zoned R-5 Residential, A-1 Low Density Apartment, and A-2 Medium Density Apartment. See **Figure 1-1**. The City Land Use Ordinance permits the use of these zoned lands for public facilities such as wastewater pump station and force main replacement. The 2006 Modifications improvement will be in compliance with the policies and objectives of the City's Zoning Districts regulations.

CHAPTER 6 AGENCIES AND PUBLIC CONSULTATION

6.1 PRE-ASSESSMENT CONSULTATION

Prior to preparing the Draft Supplemental EA, pre-assessment consultation with various State and City government agencies, community organizations, and residents adjacent to the project site was conducted to obtain their comments and concerns associated with the 2006 Modification to the Kuliouou WWPS project. Letters providing project information along with pre-preliminary plans were sent for their review. Copies of response letters were received from parties marked below with an asterisk (*) and are included in **Appendix A**. The only resident adjacent to the project site to respond was the neighbor to the rear of the Kuliouou WWPS, Deborah Lau.

Two presentations were made to the Kuliouou-Kalani Iki Neighborhood Board No. 2. The concerns of the Neighborhood Board and Ms. Lau were addressed at the regular meeting of the Neighborhood Board on December 7, 2006. Ms. Lau was satisfied that her concerns regarding extending the new Generator Room into the rear yard setback closer to her property and her concern regarding generator noise and emission have been addressed. The Hawaii Kai Neighborhood Board No. 1 did not respond to the request for pre-assessment comments. All comments received were incorporated into the Draft Supplemental EA as appropriate.

State of Hawaii Agencies

- Department of Education*
- Department of Health
- Department of Land and Natural Resources, Division of Aquatic Resources
- Department of Land and Natural Resources, Historic Preservation Division
- Department of Land and Natural Resources, Land Division
- Land Use Commission, Dept. of Business, Economic Development & Tourism*
- Department of Transportation*
- Office of Hawaiian Affairs*

City and County of Honolulu Agencies

- Board of Water Supply*
- Department of Environmental Services
- Department of Facility Maintenance
- Department of Parks and Recreation*
- Department of Planning and Permitting, Site Development Division*
- Department of Planning and Permitting, Land Use Permits Division*
- Department of Transportation Services

- Fire Department*
- Police Department*

Community Organizations

- Kuliouou-Kalani Iki Neighborhood Board No. 2*
- Hawaii Kai Neighborhood Board No. 1
- Hawaii American Water Company

Residents Adjacent to the Project Site

- 6172 May Way
- 6175 May Way
- 6176 May Way*
- 6186 May Way
- 6187 May Way
- 6195 May Way
- 218 Maunalua Avenue
- 205 Kawaihae Street
- 250 Kawaihae Street

6.2 DRAFT SUPPLEMENTAL EA COMMENTS

Prior to preparing the Final Supplemental EA, copies of the Draft Supplemental EA were sent to various State and City government agencies and community organizations to obtain their review, comments, and concerns associated with the 2006 Modification to the Kuliouou WWPS project. Letters were sent to residents adjacent to the project site contacted during the pre-assessment consultation informing them that the Draft Supplemental EA was available at the Aina Haina Public Library for their review and comment. Copies of response letters were received from parties marked below with a check mark (✓) and are included in **Appendix B**. No resident adjacent to the project site responded to the letters. All comments received were incorporated into the Final Supplemental EA as appropriate.

State of Hawaii Agencies

- Department of Education ✓
- Department of Health ✓
- Office of Environmental Quality Control ✓
- Department of Land and Natural Resources ✓
- Department of Land and Natural Resources, Historic Preservation Division
- Land Use Commission, Dept. of Business, Economic Development & Tourism ✓
- State DBET Planning Office

- Department of Transportation ✓
- Office of Hawaiian Affairs ✓
- Aina Haina Public Library
- Representative Lyla Berg
- Senator Sam Slom

City and County of Honolulu Agencies

- Board of Water Supply ✓
- Department of Environmental Services
- Department of Facility Maintenance ✓
- Department of Parks and Recreation ✓
- Department of Planning and Permitting ✓
- Department of Transportation Services ✓
- Fire Department ✓
- Police Department ✓
- Council Member Charles Dijou

Community Organizations/Businesses

- Kuliouou-Kalani Iki Neighborhood Board No. 2
- Hawaii Kai Neighborhood Board No. 1
- Hawaii American Water Company
- The Gas Company ✓
- Hawaiian Electric Co.
- Hawaiian TelCom ✓
- Time Warner Oceanic Cable

Residents Adjacent to the Project Site

- 6172 May Way
- 6175 May Way
- 6176 May Way
- 6186 May Way
- 6187 May Way
- 6195 May Way
- 218 Maunalua Avenue
- 201 Kawaihae Street
- 250 Kawaihae Street

CHAPTER 7 FINDINGS AND DETERMINATION

According to the Final EA, to determine whether a proposed action may have a significant effect on the environment, the Approving Agency needs to consider every phase of the action, the expected primary and secondary consequences, cumulative effect, and the short- and long-term effects. The Approving Agency's review and evaluation of the proposed actions effect on the environment will result in a determination whether: 1) the action will have a significant effect on the environment, and an Environmental Impact Statement Preparation Notice should be issued, or 2) the action will not have a significant effect warranting a Finding of No Significant Impact.

This chapter discusses the findings of the environmental assessment conducted of the proposed 2006 Modifications to the Kuliouou WWPS and the associated force main replacement, in relation to the 13 Significance Criteria prescribed under the State Department of Health's Administrative Rules Title 11, Chapter 200. The purpose of this assessment is to consider the "significance" of potential environmental effects which includes the sum of effects on the quality of the environment along with the overall and cumulative effects. The findings are discussed below for each criterion.

7.1 FINDINGS

1. *Involves an irrevocable commitment to loss or destruction of any natural or cultural resource.*

The proposed 2006 Modifications will not result in the irrevocable commitment to loss or destruction of any natural or cultural resource. As discussed in **Chapter 4 Affected Environment and Environmental Consequences** of this document, the modifications are intended to improve the Kuliouou WWPS and provide a force main replacement to reduce future wastewater spills from the breaking of a deteriorated pipe. Such improvements will occur on already urbanized areas which include the City's Kuliouou WWPS property and existing roadways. Thus, there will be no destruction or loss of any significant, endangered, or threatened botanical, faunal, geological, or other natural resources.

There are no known cultural resources nor traditional native Hawaiian or other ethnic groups cultural practices occurring at the Kuliouou WWPS site or the force main replacement road rights-of-way. Consequently, the proposed modifications are not expected to have any impact on cultural resources or traditional cultural practices.

In terms of archaeological and historic resources, the State Historic Preservation Division (SHPD) indicated that there is a potential to encounter human burials within the Kuliouou WWPS and the associated force main replacement sites due to the type of subsurface work planned based upon prior projects in the area. However, to minimize any impacts on potential archaeological deposits or human burials associated with this project, an archaeological monitoring plan was developed by Cultural Surveys of Hawaii and accepted by SHPD. The plan will require onsite (full-time) monitoring for all ground disturbance activity and was prepared and coordinated with SHPD to adequately address their concerns. Therefore, the proposed 2006 Modifications will have no adverse effect on archeological or historic resources and on traditional native Hawaiian cultural practices or resources which may potentially be within the subsurface area of the project site.

2. *Curtails the range of beneficial uses of the environment.*

The project will not curtail the range of beneficial uses of the surrounding environment. The Kuliouou WWPS and the force main within existing roadways have been used for over 35 years. The proposed 2006 Modifications will not change the existing uses of such lands and roadways. Existing surrounding uses will remain as existing which is predominantly for residential homes and for low and medium density apartments. The proposed modifications to the existing wastewater system (WWS) will not limit or significantly impact these uses or the surrounding environment.

3. *Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders.*

The 2006 Modifications proposed will not conflict with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders. This Final Supplemental EA addresses the probable environmental impacts associated with the 2006 Modifications which will be primarily associated with short-term construction activities. Consequently, the project will be consistent in conserving natural resources in the area and enhancing the long-term quality of life for residences in Kuliouou Valley and surrounding area by improving the service quality of the WWS.

4. *Substantially affects the economic or social welfare of the community or State.*

As discussed under **Chapter 4** of this document, the project will not have any significant negative impacts on the economic structure of the East Honolulu district or the social welfare of the Kuliouou community. The project will create a short-term minor economic benefit generating construction jobs and personal income. The proposed 2006 Modifications are limited to the Kuliouou WWPS and the associated force main replacement. As a result, there will be no negative impact or change to the overall character of the Kuliouou community, East Honolulu district, or the State.

5. *Substantially affects public health.*

The project is not expected to substantially affect public health since it will involve modifications to the City's existing Kuliouou WWPS and the associated force main replacement. The proposed 2006 Modifications will improve public health by minimizing potential wastewater spills into Kuapa Pond due to the breaking of a deteriorated pipe and future leaks in the existing force main by conveying Kuliouou WWPS wastewater through the force main replacement.

6. *Involves substantial secondary impacts, such as population changes or effects on public facilities.*

The project should not have any secondary impacts on the social environment or infrastructure and public facilities. The project strictly involves modifications to the existing Kuliouou WWPS and the associated force main replacement. There will not be any elements of the project contributing to in-migration of residents or additional visitors to the island. The proposed 2006 Modifications will not impact other existing infrastructure facilities or public facilities in the immediate area.

7. *Involves a substantial degradation of environmental quality.*

The proposed 2006 Modifications to the Kuliouou WWPS and the associated force main replacement will not involve a substantial degradation to the quality of the surrounding environment. Modifications to the WWPS will be limited to the existing property. The force main replacement addition will be limited to existing May Way and Kawaihae Street rights-of-way. As a result, construction activities will be performed on already urbanized areas, and necessary measures will be implemented during construction to minimize erosion and other short-term impacts. The project will improve the environmental quality of Kuapa Pond and surrounding shoreline areas by minimizing future wastewater spills from leaks in the existing force main by bypassing wastewater to the force main replacement.

8. *Is individually limited, but cumulatively has considerable effect upon the environment or involves a commitment for larger actions.*

This project only involves the modifications at the WWPS site and construction of a force main replacement as described in **Chapter 2 Project Description** of this document. Impacts associated with the 2006 Modifications were addressed in **Chapter 4** of this document and are mainly associated with construction activities which are temporary and short-term. Thus, the cumulative impacts of the proposed 2006 Modifications were considered in assessing environmental impacts, and it was determined that the project will not have a significant effect on the environment. This project does not involve the commitment for larger actions since it is only intended to improve the existing Kuliouou WWS.

9. *Substantially affects a rare, threatened, or endangered species, or its habitat.*

There are no known rare, endangered or threatened botanical resources on the Kuliouou WWPS property and the force main replacement route, or faunal and avifaunal species inhabiting the area which may be affected by construction activities or the operation of the WWS. Necessary control measures and best management practices will be implemented to minimize runoff and other potential short-term impacts associated with construction activity. Thus, the proposed 2006 Modifications is not expected to substantially affect rare, threatened, or endangered species or potential habitat for such species.

10. *Detrimentially affects air or water quality or ambient noise levels.*

The project will not have a detrimentally significant impact on air, water quality, or ambient noise levels. Impacts associated with these factors will be limited to short-term construction activities. However, such impacts are expected to be minor due to the relatively minimal amount of grading and excavation proposed. To further minimize impacts, construction activities, including dewatering, will be subject to applicable State regulations as discussed under **Chapter 4** of this document.

11. *Affects or likely to suffer damage by being located in an environmentally sensitive area such as flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.*

The Kuliouou WWPS and force main replacement sites are not located within environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area or geologically hazardous areas. Consequently, the proposed 2006 Modifications will not be affected by such hazards or

impact such environmentally sensitive areas. The Kuliouou WWPS is located within Zone D of the 100-year flood hazard area as discussed under **Chapter 4** of this document. Since the facilities and structures are expected to be designed and constructed in compliance with the Building Code requirements for structures within flood Zone D, it would not suffer damage from such natural hazards as compared to existing residences in the area. The force main replacement is located underground in conformance to City design standards and will not suffer damage from natural disasters.

12. *Substantially affects scenic vistas and viewplanes identified in county or state plans or studies.*

The proposed 2006 Modifications will not affect scenic vistas or viewplanes since they are located in an area that has not been identified by the State and the City as a visual resource. The Kuliouou WWPS property is owned by the City and public access is restricted to City personnel. The force main replacement is located underground in City road rights-of-way and will not impact scenic views.

13. *Requires substantial energy consumption.*

The proposed 2006 Modifications will not require substantial energy consumption or increased electrical facilities to serve the Kuliouou WWPS. The force main replacement will require the same power as the force main that it replaces and can be serviced using existing electrical distribution facilities and power generating sources.

7.2 DETERMINATION

Based upon the discussions of the 2006 Modification's effect on the environment in relation to the 13 Significance Criteria, it is determined that the improvements planned under this project will not have a significant impact on the surrounding environment and does not warrant the issuance of an Environmental Impact Statement Preparation Notice.

A Finding of No Significant Impact (FONSI) determination is warranted for the Kuliouou Wastewater Pump Station Modification and Force Main Replacement project based upon the information provided in this Final Supplemental EA.

CHAPTER 8 BIBLIOGRAPHY

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State of Hawaii Department of Health. *Water Quality Standards*. Chapter 11-54, Hawaii Administrative Rules

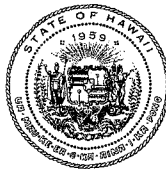
State of Hawaii, Department of Health. *Solid Waste Management Control*. Chapter 11-58, Hawaii Administrative Rules.

Kuliouou-Kalani Iki Neighborhood Board No. 2. Regular Meeting Minutes. December 7, 2007. Honolulu, Hawaii.

Steve Nimz & Associates LLC. Letter Report. November 21, 2006. Honolulu, Hawaii.

APPENDIX A

PRE-ASSESSMENT AGENCIES AND PUBLIC CONSULTATION RESPONSES



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

OFFICE OF THE SUPERINTENDENT

September 21, 2006

Mr. Howard K. Endo, President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715


Dear Mr. Eng:

Subject: Supplemental Environmental Assessment for the
Kuliouou Wastewater Pump Station, Kuliouou, Oahu

The Department of Education has no preliminary comment or concern about the proposed changes in the plans for the Kuliouou Pump Station and Force Main.

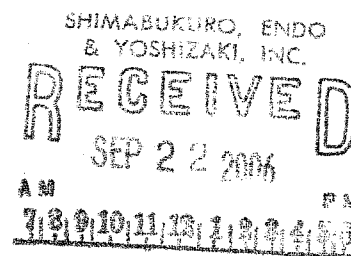
Should you have any questions, please call Heidi Meeker of the Facilities Development Branch at 733-4862.

Very truly yours,


Patricia Hamamoto
Superintendent

PH:jmb

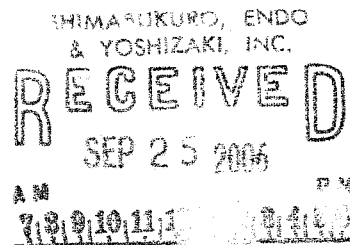
c: Randolph Moore, Acting Assistant Superintendent, OBS
Duane Kashiwai, Public Works Manager, FDB





STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM
LAND USE COMMISSION
P.O. Box 2359
Honolulu, Hawaii 96804-2359
Telephone: 808-587-3822
Fax: 808-587-3827

September 20, 2006



Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Dr. Endo:

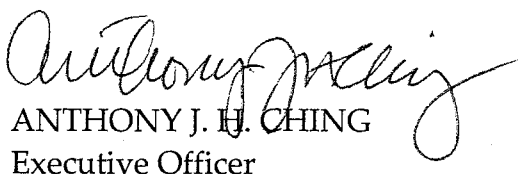
Subject: Supplemental Environmental Assessment
Kuliouou Wastewater Pump Station Modification and Force Main Replacement
Kuliouou, Oahu, Hawaii

We received your September 12, 2006 letter regarding the above subject supplemental environmental assessment.

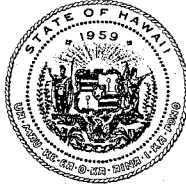
Pursuant to §205-6, Hawaii Revised Statutes, and given the location, scope, and nature of the proposed activity, we have no further comments to offer at this time.

Please feel free to contact me at 587-3822 should you require clarification or any further assistance.

Sincerely,


ANTHONY J. H. CHING
Executive Officer

LINDA LINGLE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

RODNEY K. HARAGA
DIRECTOR

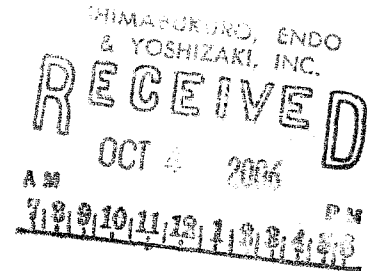
Deputy Directors
FRANCIS PAUL KEENO
BARRY FUKUNAGA
BRENNON T. MORIOKA
BRIAN H. SEKIGUCHI

IN REPLY REFER TO:

STP 8.2290

September 29, 2006

Mr. Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
Civil Environmental & Structural Engineers
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715



Dear Mr. Endo:

Subject: Pre-Assessment Consultation
Kuliouou Wastewater Pump Station Modification and
Force Main Modification Project

Thank you for your notification on the subject proposed project by the City and County Department of Design and Construction.

The project is not anticipated to cause a significant impact to our State highway facilities.

By copy of this letter, information of the project will be forwarded to our Highways Division staff for their information and any follow-up that may be needed. Any coordination regarding traffic detours or other effects on Kalaniana'ole Highway can be arranged with the City and County, if deemed necessary, by our highways staff.

We appreciate the opportunity to provide our comments.

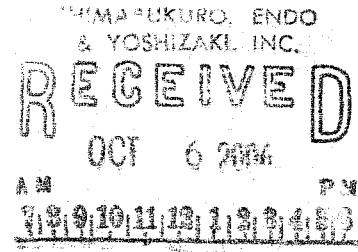
Very truly yours,

A handwritten signature in black ink, appearing to read "Rodney Haraga".

RODNEY K. HARAGA
Department of Transportation



**STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS**
711 KAPI'OLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813



HRD06/2709

October 2, 2006

Howard K. Endo, President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

**RE: Kuli'ou'ou Wastewater Pump Station Modification and Force Main Supplemental
Final Environmental Assessment; TMK 3-8-04:79**

Dear Mr. Endo,

The Office of Hawaiian Affairs (OHA) is in receipt of your September 12, 2006 request for comments regarding the above referenced Supplemental Environmental Assessment (SEA). We offer the following comments.

OHA requests that the SEA include an environmental analysis of planting an alien shower tree in the front yard, as opposed to planting a native or Polynesian-introduced species. An indigenous or Polynesian-introduced species, perhaps one of the kukui that will be removed from the rear of the property, will provide more of a Hawaiian sense of place. In addition, environmental benefits may be discovered, such as less need for maintenance and watering.

Thank you for the opportunity to comment, and we look forward to reviewing the SEA. If you have any further questions or concerns please contact Koa Kaulukukui at (808) 594-0244 or koalanik@oha.org.

Sincerely,

A handwritten signature in black ink, appearing to read "Clyde W. Nāmu'o".

Clyde W. Nāmu'o
Administrator

CWN:kk

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843



September 26, 2006

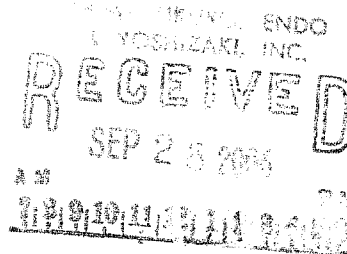
MUFI HANNEMANN, Mayor

RANDALL Y. S. CHUNG, Chairman
HERBERT S. K. KAOPUA, SR.
SAMUEL T. HATA
ALLY J. PARK
ROBERT K. CUNDIFF

RODNEY K. HARAGA, Ex-Officio
LAVERNE T. HIGA, Ex-Officio

CLIFFORD P. LUM
Manager and Chief Engineer

Mr. Howard K. Endo, Ph.D., P.E.
President
Shimabukukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715



Dear Mr. Endo:

Subject: Your Letter Dated September 12, 2006 Regarding a Supplemental Environmental Assessment for the Kuliouou Wastewater Pump Station Modification and Force Main Replacement, TMK: 3-8-004: 079, 3-8-004, 3-9-035

Thank you for the opportunity to comment on the proposed project.

The existing water system is presently adequate to accommodate the proposed development. However, please be advised that this information is based upon current data and, therefore, the Board of Water Supply reserves the right to change any position or information stated herein up until the final approval of your building permit. The final decision on the availability of water will be confirmed when the building permit is submitted for approval.

The construction drawings should be submitted for our review and approval.

When water is made available, the applicant will be required to pay our Water System Facilities Charges for resource development, transmission and daily storage.

The project is subject to Board of Water Supply Cross-Connection Control and Backflow Prevention requirements prior to the issuance of the building permit.

If you have any questions, please contact Robert Chun at 748-5443.

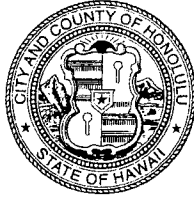
Very truly yours,

KEITH S. SHIDA
Principal Executive
Customer Care Division

DEPARTMENT OF PARKS AND RECREATION
CITY AND COUNTY OF HONOLULU

KAPOLEI HALE • 1000 ULUOHIA STREET, SUITE 309 • KAPOLEI, HAWAII 96707
TELEPHONE: (808) 692-5561 • FAX: (808) 692-5131 • INTERNET: www.honolulu.gov

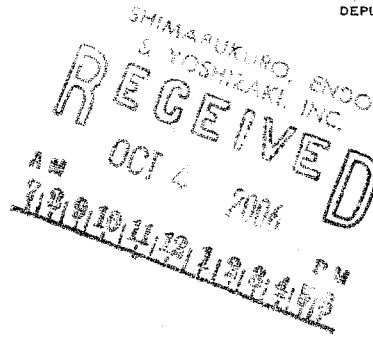
MUFI HANNEMANN
MAYOR



LESTER K.C. CHANG
DIRECTOR

DANA TAKAHARA-DIAS
DEPUTY DIRECTOR

October 3, 2006



Mr. Howard K. Endo, PhD, P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816

Dear Mr. Endo:

Thank you for the opportunity to review and comment on the supplemental Environmental Assessment for the Kuliouou Wastewater Pump Station Modification and Force Main Replacement Project.

Our Division of Urban Forestry (DUF) currently maintains the Coconut Palms growing at the Kuliouou Wastewater Pump site and we request that a Qualified Arborist (QA), approved by DUF, prepare a Tree Assessment Report (TAR) for the project. DUF would like to review the TAR to determine whether the trees or Coconut Palms should be saved and relocated by the general contractor to a City owned park.

The trees and /or Coconut Palms, if relocated, shall have a 90 day formal landscape maintenance period and a one year guarantee period of survival from the issuance of the notice to proceed.

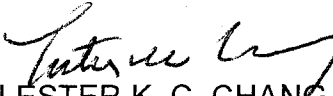
Attached for your reference is a draft copy of the Guidelines and Standards for Trees in Urban Areas (FSTUA).

Mr. Howard K. Endo, PhD., P. E.
October 3, 2006
Page 2

When construction plans are available, please forward a copy to Division of Urban Forestry at 3902 Paki Avenue, Honolulu, Hawaii 96815 for review and comment.

Should you have any questions, please contact Mr. David Kumasaka, Landscape Architect, at 971-7164.

Sincerely,


LESTER K. C. CHANG
Director

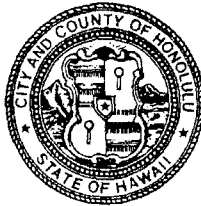
LKCC:mk
(173870)

cc: Mr. David Kumasaka
Mr. Stan Oka

DEPARTMENT OF PARKS & RECREATION
CITY AND COUNTY OF HONOLULU

1000 Uluohia Street, Suite 309, Kapolei, Hawaii 96707
Phone: (808) 692-5561 • Fax: (808) 692-5131
Website: www.honolulu.gov

MUFI HANNEMANN
MAYOR

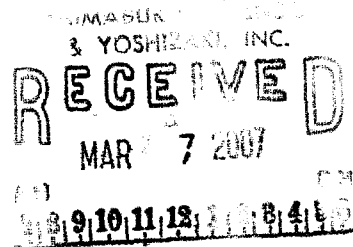


March 2, 2007

LESTER K. C. CHANG
DIRECTOR

DANA L. TAKAHARA-DIAS
DEPUTY DIRECTOR

Mr. Howard K. Endo, Ph.D., P.E., President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715



Dear Mr. Endo:

Thank you for your letter of February 22, 2007, regarding the Kuliouou Wastewater Pump Station Modification and Force Main Replacement project received with a Draft Supplemental Environmental Assessment and Tree Assessment Report.

These documents have been reviewed and we offer the following comments:

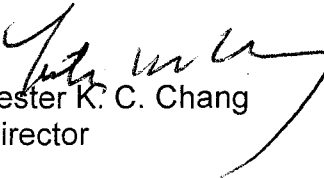
1. We concur with the Consultant Arborist and recommend the planting of tree and palm species that are appropriate and adaptable to the project's environmental site conditions.
2. Therefore, the existing trees and palm can be demolished. Stump grind trunks 12 inches below the finish grade. Remove wood chips and do not use as backfill material. Backfill with topsoil. Tamp the topsoil to prevent settling, and level to match finish grade, grass, and water.
3. Due to the nature of the proposed improvements, a one-for-one tree/palm replacement would not be required. However, the new tree/palm plantings should complement and enhance the surrounding neighborhood.
4. The Landscape Design Consultant shall verify and insure the availability and size of the plant material, as noted in the project plans and specifications.
5. New trees/palms shall be pre-approved at the nursery by the Landscape Design Consultant, and concurred by the Division of Urban Forestry (DUF) two weeks prior to their delivery to the project site. To schedule an inspection, contact Mr. Brandon Au, Park Grounds Improvement Supervisor II of DUF, at 971-7151, or 971-7196.

Howard K. Endo, Ph.D., P.E., President
March 2, 2007
Page 2

6. Trees that do not have a well established root system will be rejected.
7. We recommend an irrigation system for this project.

Should you have any questions, please contact Mr. David Kumasaka,
Landscape Architect III of DUF, at 971-7151, or 971-7164.

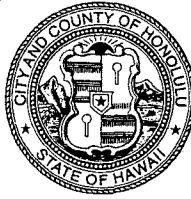
Sincerely,


Lester K. C. Chang
Director

LKCC:si
(196818)

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 523-4432 • FAX: (808) 527-6743
DEPT. INTERNET: www.honoluluodpp.org • INTERNET: www.honolulu.gov



MUFI HANNEMANN
MAYOR

HENRY ENG, FAICP
DIRECTOR

DAVID K. TANOUE
DEPUTY DIRECTOR

2006/ELOG-2347(ST)

September 22, 2006

Mr. Howard K. Endo, Ph.D., P.E.
President
SEY Engineers
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Mr. Endo:

Re: Pre-Assessment Consultation for a Supplemental Environmental Assessment
Kuliouou Wastewater Pump Station Modifications
6180 Kalanianaʻole Highway - East Honolulu
Tax Map Key 3-8-4: 79

We have reviewed your letter of September 12, 2006, requesting pre-assessment comments for the above-referenced project, and have none to offer at this time. However, we would like the opportunity to comment on this project when the supplemental environmental assessment is completed and distributed during the 30-day public comment period.

If you have any questions, please contact Steve Tagawa of our staff at 523-4817.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Elizabeth Chen", is written over the signature line.

for Henry Eng, FAICP, Director
Department of Planning and Permitting

HE:pl

cc: OEQC

G:SteveT\DEApreKuliWWPS.06

SHIMABUKURO, ENDO
& YOSHIZAKI, INC.

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SEP 26 2006

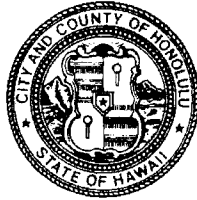
AM

PM

11/09/10 11/12/11 11/13/11

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
PHONE: (808) 523-4432 • FAX: (808) 527-6743
DEPT. WEB SITE: www.honoluluodpp.org • CITY WEB SITE: www.honolulu.gov

MUFI HANNEMANN
MAYOR



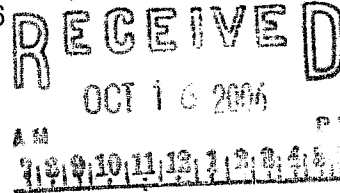
HENRY ENG, FAICP
DIRECTOR

DAVID K. TANOUE
DEPUTY DIRECTOR

October 13, 2006

SHIMABUKURO, ENDO
& YOSHIZAKI, INC.

06WWB103 (SG)
2006/ELOG-2420



Mr. Howard K. Endo, Ph.D., P.E., President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Mr. Endo:

Subject: Pre-Assessment Consultation for a Supplemental
Environmental Assessment (EA)
Kuliouou Wastewater Pump Station (WWPS)
Modification and Force Main (FM) Replacement
TMK: 3-8-004: 079

This is in response to your September 12, 2006 letter, requesting comments for the proposed Kuliouou WWPS modification and FM replacement. We have reviewed the project and have the following comments:

1. A glossary listing the abbreviations/acronyms and the definitions/items/entities represented would be helpful.
2. Conformity with Existing Land Use Controls.
 - a. A discussion of the project's consistency with the *General Plan* of the City and County of Honolulu.
 - b. In addition to specifying General Plan objectives and policies supported by the project, the EA should indicate the project's conformity with the *East Honolulu Sustainable Communities Plan's* vision, including a discussion of the policies and guidelines in Section 4.3 (Wastewater Treatment), and other governmental agencies' comments about the impact of the proposed reconstruction on the public facility systems, and/or services planned and/or provided by their department.
 - c. In accordance with Section 4-8.3 of the Revised Ordinances of Honolulu (Ordinance 02-03), the proposed force main replacement project will not require the addition of a symbol to the East Honolulu Public Infrastructure Map (PIM) for the publicly funded project. Sewer lines are not a type of public infrastructure to be shown on the PIM.

Mr. Howard K. Endo, Ph.D., P.E.
October 13, 2006
Page 2

At this preliminary stage, we are not able to determine if the WWPS part of the project requires a revision to place the project on the PIM. The EA should address the relevant applicability criteria of whether the project would: 1) have a significant impact on surrounding land uses or the natural environment; 2) involve modification of an existing facility which would permit significant new development or redevelopment; or 3) cost over \$3,000,000 for capital improvements for the WWPS.

3. Please include a requirement that the applicant will solicit comments from the surrounding neighborhood boards (NB) – Hawaii Kai NB Number 1 and the Kuliouou/Kalani Iki NB Number 2.
4. Historical and Cultural Resources Section:
 - a. In the discussion of the archeological assessments, include the standard warranty that "Should archeologically significant features be uncovered, construction will be halted and immediate archeological consultation will be sought with the Department of Land and Natural Resources State Historic Preservation Division in accordance with applicable regulations."
 - b. Include a discussion of cultural impact assessments (assess the project's potential impact on traditional Hawaiian rights and determine how such rights should be protected), as required by Act 50.

If you have any questions, please contact Mr. Scott Gushi of the Wastewater Branch at 523-4886.

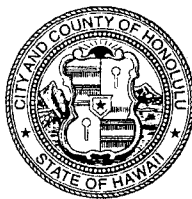
Very truly yours,

For Dennis M. Nishimura
Henry Eng, FAICP, Director
Department of Planning and Permitting

HE:dl
[487541]

HONOLULU FIRE DEPARTMENT
CITY AND COUNTY OF HONOLULU

636 SOUTH STREET • HONOLULU, HAWAII 96813
TELEPHONE: (808) 723-7139 • FAX: (808) 723-7111 • INTERNET: www.honolulufire.org



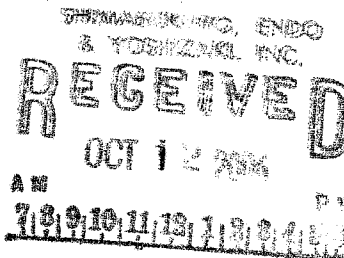
MUFI HANNEMANN
MAYOR

KENNETH G. SILVA
FIRE CHIEF

ALVIN K. TOMITA
DEPUTY FIRE CHIEF

October 4, 2006

Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715



Dear Dr. Endo:

Subject: Supplemental Environmental Assessment
Kuliouou Wastewater Pump Station Modification

In response to your letter dated September 12, 2006, regarding the above-mentioned subject, the Honolulu Fire Department (HFD) reviewed the material you provided and has no objections to the modifications.

However, the HFD requires that the following be complied with for the duration of the project:

1. Maintain fire apparatus access throughout the construction site.
2. Maintain access to fire hydrants. Notify the Fire Communication Center at 523-4411 regarding any interruption of the existing fire hydrant system.

In addition to the above-mentioned requirements, the enclosed application shall be submitted to the HFD for the installation of the 1,000-gallon aboveground fuel storage tank.

Should you have any questions, please call Battalion Chief Lloyd Rogers of our Fire Prevention Bureau at 723-7151.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth G. Silva".

KENNETH G. SILVA
Fire Chief

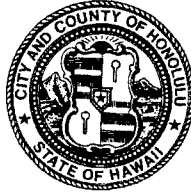
KGS/SK:bh

Enclosures

POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU

801 SOUTH BERETANIA STREET
HONOLULU, HAWAII 96813 - AREA CODE (808) 529-3111
<http://www.honolulu-pd.org>
www.honolulu.gov

MUFI HANNEMANN
MAYOR



BOISSE P. CORREA
CHIEF

GLEN R. KAJIYAMA
PAUL D. PUTZULU
DEPUTY CHIEFS

OUR REFERENCE **BS-DK**

September 18, 2006

Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo and Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Dr. Endo:

This is in response to your letter of September 12, 2006, regarding changes made this year to the Kuliouou Wastewater Pump Station Modification and Force Main project that was proposed in 2001.

This project should have no significant impact on the facilities or operations of the Honolulu Police Department.

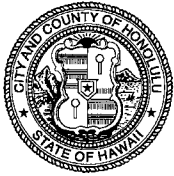
If there are any questions, please call Major Mark Nakagawa of District 7 at 529-3362 or Mr. Brandon Stone of the Executive Bureau at 529-3644.

Thank you for the opportunity to comment.

Sincerely,

BOISSE P. CORREA
Chief of Police

By *MAC Kenneth Simmons*
JOHN P. KERR
Assistant Chief of Police
Support Services Bureau



KULIOUOU/KALANI IKI NEIGHBORHOOD BOARD NO. 2

c/o NEIGHBORHOOD COMMISSION • 530 SOUTH KING STREET ROOM 400 • HONOLULU, HAWAII, 96813
PHONE (808) 527-5749 • FAX (808) 527-5760 • INTERNET <http://www.honolulu.gov>

**REGULAR MEETING MINUTES
DECEMBER 7, 2006
AINA HAINA PUBLIC LIBRARY**

CALL TO ORDER - Chair Bob Chuck called the meeting to order at 7:02 p.m. with a quorum present. He welcomed everyone to the December meeting of the Kuli'ou'ou-Kalani Iki Neighborhood Board No. 2.

MEMBERS PRESENT: Bob Chuck, Bernie Boltz, Jeannine Johnson, Bertha Leong, Heather Lum, Michael Parke, Kevin Quinn, Anne Rautio, Ed Schell, Jack Schneider, Jamal Siddiqui (8:17 p.m.), Sheridan Spangler, Linda Starr and Joseph Young.

MEMBERS ABSENT: Al Andrews (excused), Ted Ashworth (excused) and Kimo Sutton (excused).

VACANCIES: None.

GUESTS: Cindy Inouye (Deputy Director of the Department of Human Resources Development, Governor Linda Lingle's representative); Alvin Takeshita (Manager, Traffic Branch Engineering Program, Department of Transportation); Senator Sam Slom, Gordon Bruce (Director, Information Technology Department, Mayor Mufi Hannemann's representative); Francisco Figueiredo (Councilmember Djou's Office); Detective Steve Foreman and Officer Jason Hendricks (Honolulu Police Department, District 7); Captain Ryan Young (Honolulu Fire Department), Scot Muraoka (Board of Water Supply), Carmen Itagloch (Waialae Iki Ridge Association Board), Luke Baer and Jose Dydasco (Coaches, Honolulu Bulls soccer club); Herman Luke, Phil Sharp, Marty Plotnick, Caroline Dang; Howard Endo (SEY Engineers, Inc.); Karli Miyata and Dennis Kaneshiro (Department of Design and Construction), Deborah Lau, Dr. Virgil Jobe, Karen Narimasu, and K. Russell Ho (Neighborhood Commission Office staff).

CHAIR'S ANNOUNCEMENTS - Chair Chuck announced that - 1. The Board will recess on January 4, 2007. It still has to vote on the usual July recess for 2007. 2. The public hearing on Waldorf School's expansion will be on December 8 at the Mission Memorial Auditorium, 550 S. King Street, at 10:00 a.m. It is on tonight's agenda. 3. The Thirty-fourth (34th) annual Honolulu Marathon will be on Sunday, December 10, 2006, starting at 5:00 a.m. This sporting event brings millions of dollars to Hawaii and the hotel rooms are booked up or we would have more Japanese visitors.

In October Spangler requested to have a presentation of the East Honolulu Sustainable Communities Plan (EHSCP) by Bob Stanfield, Department of Planning and Permitting (DPP). Chair Chuck asked Mayor's representative Bruce to contact the DPP for a presentation at the next Neighborhood Board meeting on February 1, 2007.

HONOLULU FIRE DEPARTMENT (HFD) REPORT - Captain Ryan Young distributed his report and highlighted the following: 1. There were 2 structure and 1 vehicle fires. 2. His report had a list of the fourteen scheduled Christmas parades, holiday safety tips for Christmas

tree safety, decorating your tree, miscellaneous tips, home safety, "safety" gift ideas and New Year's Eve fireworks information and safety tips.

Citizens' concerns regarding HFD - Resident Herman Luke expressed his concern about the proposed Wailupe Fire Station horn and light warning system. Hearing no objections, Chair Chuck moved this item up on the agenda, as the HFD representative was present. Mayor's representative Gordon Bruce distributed the following fact sheet:

Subject: WAILUPE FIRE STATION — EMERGENCY VEHICLE CAUTION SYSTEM
RENOVATION PROJECT NO. III-13-05-C, CONSTRUCTION CONTRACT F-05225

Project scope: The purpose of this project is to install a new emergency vehicle caution system (EVCS) to alert motorists approaching the Wailupe Fire Station from Kalaniana'ole Highway of emergency vehicles that may be leaving or returning to the station.

Design consultant: Ronald N.S. Ho and Associates, Inc.

Construction contractor: Paul's Electrical Service, Inc.

Notice to proceed (construction): August 8, 2005

Original completion date: February 28, 2006 (*Contract time extended due to State restrictions, building permit, and equipment delivery delays*)

Total encumbered: \$150,700.00

Construction cost: \$150,700.00

Account no. 61016405-04-98021C

Note: The City is aware of the concern of the audio signal disturbing the residences in the area and is looking into the possibility of locating the EVCS signal for the west-bound (or ewa-bound) vehicular motorists on Kalaniana'ole Highway on the median strip instead of on the sidewalk near Kaai Street as presently designed to minimize the inconvenience.

Bruce continued that the City is going to install the sound system on median strip and the construction going on across the highway is related to the installation of the EVCS. Chair Chuck asked Luke to come back to the Board if he has any complaints.

Chair Chuck thanked Mayor's representative Bruce and Captain Young.

HONOLULU POLICE DEPARTMENT (HPD) REPORT - Detective Steve Foreman from the Burglary/Theft Detail distributed a notice that the HPD was scheduled for assessment for reaccreditation and his monthly report, which had a map of the beats, the numbers for burglary, thefts and Unauthorized Entry into a Motor Vehicle (UEMV)s for October and November, holiday safety tips for safety when shopping and safety at home and a "Happy Holidays" from the HPD, Chief Boisse Correa, Major Mark Nakagawa, Captain Robert Green and the District 7-East Honolulu ohana. Detective Foreman reported that from October to November there was no change for burglaries, but there was a slight increase for thefts of unattended items and identity thefts.

Board and citizens' concerns regarding HPD - 1. Johnson lives in Niu Valley and reported loud mopeds. The Palolo Neighborhood Board passed a resolution to request that HPD enforce Hawaii Revised Statutes (HRS) 291-24, which requires all mopeds to have a muffler. HPD would follow up. 2. Wailupe Beach Park - Dr. Virgil Jobe reported that there has been excessive noise, drinking of alcoholic beverages, and large congregations occupying the park,

sometimes all night, for the last four months. He added that there is a "poi pounding" of breadfruit, which may be a commercial venture. Some neighbors feel intimidated and have trouble sleeping. Besides the noise, there have been security breaches and break-ins. HPD officers contacted were A. Duyag, Oshita and Kuriyama. As Wailupe Beach Park is a 24-hour park, Dr. Jobe requested that the Department of Parks and Recreation (DPR) close the parking lot entrance from 10:00 p.m. to 5:00 a.m.

Boltz moved and Spangler seconded that the Department of Parks and Recreation (DPR) close the entrance to the parking lot of the Wailupe Beach Park at 10:00 p.m. and re-open the entrance to the parking lot at 5:00 a.m. the next morning. Discussion followed. Vice Chair Schell mentioned that there is already someone there at 5:00 a.m. Dr. Jobe and Spangler described the breadfruit pounding operation. **The motion carried unanimously, 13-0-0.** Chair Chuck mentioned that HPD would follow up and asked Mayor's representative Bruce to follow up with the DPR.

Detective Foreman offered a few last tips- 1. Lock your car, even if it is parked in the driveway, or don't leave anything in the car. 2. Concerning identity theft and Christmas shopping, keep purchases out of sight (under a blanket or in trunk of car.) 3. Lock your house doors, when leaving, and even when you are all inside your home. If unlocked, don't leave tens of thousands of dollars of jewelry in the house or get a safety deposit box or increase your homeowner's insurance.

Chair Chuck thanked Detective Foreman and reminded him of the January recess.

PRESENTATIONS: Hearing no objections, Chair Chuck moved the Governor's representative up in the agenda.

GOVERNOR'S REPRESENTATIVE - Cindy Inouye, Deputy Director of the Hawaii Department of Human Resources Development (DHRD) distributed the Governor's Weekly Update and extended holiday wishes. If there were any concerns between now and the February meeting, she requested that Board members e-mail their concerns to her.

Adjustment of traffic light timing at intersections along Kalaniana'ole Highway - Traffic engineer Alvin Takeshita, Traffic Branch Engineering Program Manager, State Department of Transportation said that traffic is unpredictable as there was no traffic backed up this afternoon on the H-1 freeway and Kalaniana'ole Highway. His suggestions to the City Department of Transportation Services (DTS) included adding 20 seconds to the timing cycle at Ainakoa Avenue and increasing the 160-second cycle on Kalaniana'ole Highway to 240-second cycles.

Starr suggested a "slave" light at the Niu Valley Shopping Center and synchronization of Kalaniana'ole Highway at Kalaniiki, Laukahi and Analii Streets. Takeshita responded that the traffic is different during rush hour and non-peak hours and he is studying it. Spangler gave some background on the increasing the time of the left turn on Kalaniana'ole Highway from Laukahi Street and Waialae Iki. Takeshita responded that this traffic corridor is very unusual as 65 percent of the traffic is going towards downtown in the mornings **and** in the afternoons. Vice Chair Schell mentioned the two left turn signals from Kalaniana'ole Highway into the Niu Valley Shopping Center are only one-block apart. Rautio mentioned that she has been

working with a Mr. Reed for the last year and a half on the lack of a left turn signal from Hawaii Loa Ridge and Puuikena Drive to Hawaii Kai. Because the light changes as the last car passes going up the street, there is no time for drivers to make a left turn. Chair Chuck suggested that Takeshita work with Reed on this matter.

Johnson mentioned that a resident was constantly concerned about the safety of her children when drivers are making a U-turn at Paikō Drive. Takeshita has monitored that intersection and the accident history. Chair Chuck suggested that he continue to monitor it. Johnson also suggested eliminating the traffic light at the Niu Valley KFC (Kentucky Fried Chicken restaurant) as Niu Valley residents don't use it. Takeshita suggested that the Board write to State Department of Transportation (DOT) to eliminate the light.

There was discussion about the Holy Trinity Elementary School flashing light near Holy Trinity Church that had been removed during the 1990's Kalaniana'ole Highway widening project and never replaced. Starr suggested a set of flashing yellow lights, similar to the warning system that SDOT had installed on Kalaniana'ole, west-bound, a few hundred feet before Analii Street, to warn drivers to slow down. Takeshita would look into it. Spangler wanted to remind drivers from Hawaii Kai that Kalaniana'ole Highway in this neighborhood is on a residential corridor where hundreds of residential driveways connect directly onto Kalaniana'ole Highway, and that is reason for the posted 35 miles per hour speed limit.

Chair Chuck thanked Takeshita and requested that Governor's representative Inouye invite Takeshita back in a few months.

Kuli'ou'ou Wastewater Pump Station Modifications - (7:59 p.m.) Howard Endo, SEY Engineering, came to the October meeting and the Board had a few concerns for him to follow up. In summary, there are three parts to the wastewater system- a gravity-flow sewer system, a wastewater pump station and the Kuli'ou'ou force main. Sewage flows through 6.6 miles of pipes and 200 manholes from the ridges by gravity to the lowest point which is the Kuli'ou'ou wastewater pump station on May Way. Then, the sewage is pumped to a discharge manhole on Kawaihae Street. The final 2001 Environmental Assessment proposed improvements to the Kuli'ou'ou wastewater system. The 2006 modifications added more improvements and the rear-yard setback waiver. At the October meeting there were four concerns. 1. Concerning notification of the adjacent neighbors, there were three letters sent out, but there no responses. On October 11, they sent another letter, mentioning tonight's meeting and there was one response from the rear neighbor, Deborah Lau, who was present. 2. Concerning noise, because they moved the emergency generator closer to the rear of the property, they did some sound testing at four locations. A decibel (db) reading of 50 db was used as the base line. The Department of Health (DOH) standard is 55 db. This is with the emergency generator off and the pump off. With the emergency generator on, the noise jumped to 80.4 db. The action taken was installing noise abatement measures, like pump silencers, two mufflers on the exhaust and an acoustic door. These lowered the noise to 45 db at the intake on the makai side. Thirty feet from location "A," there was a 12 db drop to the Lau's living room. 3. Concerning the current white-colored propane fuel tank, the new 1000-gallon tank will contain diesel fuel instead of propane to last seven days, as the City needs to pump sewage away. 4. Concerning the tree replacement and gravel fill, it may be noisier, but the heat from the gravel is hard to quantify. Rear neighbor Lau was satisfied that they met her

noise concerns. Spangler suggested planting a row of Areca palms in the back for a "double baffle." Someone suggested setting a schedule when they conduct testing and notify the neighbors. Endo would take the suggestions back to the City.

Chair Chuck thanked Endo.

Board member Jamal Siddiqui entered the meeting at 8:17 p.m.

Analii Street Parking Problems at the Waialae Iki Field- Former Board member Karen Narimasu mentioned that during the last week in October, her son had an emergency call to report to Kuakini Hospital, but could not leave her driveway as he was blocked in by the three rows of parked vehicles. There is over-use of the park and safety concerns because of the over 100 cars, double parking, honking of horns and "floor boarding." A group even puts out cones at 2:00 p.m. to reserve the parking. She suggested staggering of practice ending times and praised the use of "Connie," who tries to direct traffic.

Mr. Luke Baer, Bulls Soccer Club, introduced another coach, Jose Dydasco, and responded that in the last two years they had a substantial increase in the number of participants. They want to work with the community to solve this problem. They have talked with the parents about no parking and that double parking is illegal. As to staggered ending times, it is difficult for the coaches to determine when the drills have been successful taught. Chair Chuck suggested that the Bulls communicate with the other sporting groups. Baer communicates with another soccer club that uses Waialae Iki Park, but AYSO is a different group. He is looking for other parks, like the Kuli'ou'ou Neighborhood Park. Spangler suggested that the various clubs are wearing out their welcome and the DPR should cut the number of permits issued. Quinn mentioned that the parking problem is in early fall and many residents support youth sports. There is no parking problem now, as the Bulls are very professional and have responsible coaches. Johnson suggested that they increase the parking on the ewa end. Baer announced that January and February 2007 would be busy on Thursday nights. Baer offered to report back in March 2007.

Chair Chuck thanked Narimasu, Baer and Dydasco for trying to work out this problem.

Johnson requested Chair Chuck to send a letter to the principal of Nui Valley School to remind the students now that the Seven-Eleven store is open for them to not deposit their trash all over the valley, but in the trash cans. Narimasu, a former teacher at Niu Valley Middle School, stated that the students are reminded of this, as they watch a video every morning.

PICTURE TAKING - Neighborhood Assistant Ho took pictures of the Board members for the Neighborhood Commission Office website.

Hearing no objections, Chair Chuck moved the Board of Water Supply (BWS) up on the agenda.

BOARD OF WATER SUPPLY (BWS) - (8:48 p.m.) Scot Muraoka reported the following: 1. In November there was one water main break on Ihiloa Loop. On October 15, there was the earthquake and one Kuli'ou'ou break. 2. On December 2, the BWS truck participated in the

Honolulu City Lights Christmas parade and they put up the Christmas lights on Beretania Street. They also have a tree decorated at Honolulu Hale. This Saturday, they will also participate in the Kapolei City Lights Christmas parade at Kapolei Hale. On behalf of the Board of Water Supply, Muraoka thanked everyone for their support this past year and for conserving water. He wished everyone a Merry Christmas.

Questions, answers and comments followed. Johnson mentioned there was another break in Niu Valley in October or early November at the same place as the last break. Muraoka would follow up. Parke mentioned that the BWS needs to raise the meter near his house, as water is flowing over it. He would call it in.

Chair Chuck thanked Muraoka.

Report on Status of Proposed Waldorf High School in Niu Valley - Resident Marty Plotnick mentioned the 10:00 a.m. public hearing tomorrow at the Mission Memorial auditorium. The Mohala Pua School/Honolulu Waldorf School applied for a Conditional Use Permit (CUP) to build a two-story addition to move its high school from Kāhala to its Niu campus. They say they must vacate the Kahala rented facility by end of 2009, although the lease goes to 2011. He will submit testimony listing point by point misrepresentations or omissions in the CUP, like the traffic study does not mention the addition of the sixth grade to the school and the opening of Seven-Eleven, both of which adds to the "gridlock" in the mornings. The school has not been co-operative. Also, Halemaumau Street and Kalaniana'ole Highway are not mentioned in the CUP. Plotnick added that the two Kuli'ou'ou-Kalani Iki Neighborhood Board No. 2 resolutions opposing the CUP have been submitted, along with Jeannine Johnson's testimony mentioning them. His "Monday-night" group has rented a school bus to transport testifiers and they invited everyone to join them. The bus leaves at 9:00 a.m. from in front of King Cathedral at the Niu Valley Center. Chair Chuck had sent a letter requesting the public hearing in the neighborhood, like for the cluster housing community meeting, but due to budget restrictions, the meeting will be held downtown. Plotnick announced that the Nui Estates ad hoc organization has joined the Niu Valley Community Association. The media has been notified, but they may be busy with the post-Pearl Harbor activities.

Mayor's representative Bruce passed a Mayor's Office report form to Plotnick.

Chair Chuck thanked Plotnick.

ELECTED OFFICIALS: Hearing no objections, Chair Chuck moved this section up in the agenda.

MAYOR'S REPRESENTATIVE - Gordon Bruce, Director, Information Technology Department, distributed the Mayor's newsletter and due to the late hour, submitted his written report for the minutes. He also handed out forms to take Board members' or residents' concerns.

1. From the August meeting, several Board members asked about the numerous signs on the fence at the Waialae Iki Park at the corner of Kalaniana'ole Highway and Analii Street. Department of Parks and Recreation (DPR) responded that various groups are allowed to post signs by permit seven days prior to their scheduled activity and/or

sporting events conducted within Waialae Iki Neighborhood Park. Unauthorized signs that are not for park-related activities are removed by staff when discovered. For more information regarding posted signs, please call the respective park office or the District Office at 973-7250

2. From the August and October meetings, Board member Quinn reported the Waialae Iki Park basketball court needed attention. Department of Parks and Recreation (DPR) responded that the requests for renovation and/or reconstruction of the basketball, volleyball and tennis courts at Waialae Iki Neighborhood Park were submitted for consideration in the Parks Department Fiscal Year (FY) 2008 Capital Improvement Budget preparations.
3. There is a sign denying public access near the Diamond Head lighthouse park. What does it say and why was it posted? Department of Parks and Recreation (DPR) responded that the sign states "ROAD CLOSED – LOCAL TRAFFIC ONLY," which was posted to close the road to all traffic except local residents of the area because of falling boulders. DPR and Department of Design and Construction (DDC) are working together in contracting a company to remove the boulders which could threaten public safety. This project began October 30, 2006. Currently, there are two different signs posted at various areas at Diamond Head Beach Park and the Kuilei Cliffs Beach Park. One sign says, "Danger Falling Rocks! Do not go beyond this point! Rocks may fall without warning causing serious injury or death." The other says, "Danger Area Closed! Do not go beyond this sign." Signs will be removed upon completion of the projects.
4. For information only to Department of Transportation Services (DTS)- At the October meeting the Board passed a resolution to support the Hawaii Bicycling League's efforts to vote in favor of City Charter amendment No. 8 to make Honolulu a "pedestrian/bicyclist-friendly city."
5. At the October meeting, the Board requested a speed trailer for Poola Street. Honolulu Police Department (HPD) is investigating the request.
6. At the August meeting, the Board informed the Mayor's representative that while Kalaniana'ole Highway is under the State Department of Transportation (DOT) jurisdiction, the timing is under the City and County Department of Transportation Services (DTS) jurisdiction. The Board suggested lengthening the left-turn signal to 30 seconds, coming off the H-1 at Ainakoa Avenue to ease the traffic bottleneck in the afternoons. The DTS responded that the traffic signals along Kalaniana'ole Highway are synchronized for eastbound traffic in the afternoon. DTS has checked the signal timing along Kalaniana'ole Highway, and confirms it is operating correctly. We are monitoring Ainakoa Avenue and will make timing adjustments if needed. Starr mentioned that the left turn light is green for more than seven seconds when no cars are in the holding lanes.

At the October meeting Board member Starr asked for an update and suggested putting a timer, instead of "on demand," at West Hind Drive and Kalaniana'ole Highway. Also, Board member Ashworth asked to check the timing at West Hind Drive and

Kalaniana'ole Highway. He had to wait three and one-half minutes to make a left turn from West Hind Drive onto Kalaniana'ole Highway and wants a shorter wait. DTS responded that it has been monitoring the intersection at Kalaniana'ole Highway and Ainakoa. The signal lights are as programmed. During the peak traffic hours, observations at the intersection indicated that the left-turn lane clears during the programmed green cycle. Therefore, there is no need to adjust movement. With regard to the timing of the traffic signals for Kalaniana'ole Highway and West Hind Drive, DTS found the traffic signals to be operating properly during the morning and afternoon peak traffic hours. The signals along Kalaniana'ole Highway are programmed to remain green for an extended period of time due to the volume of cars. As a result, the vehicles making the left turn or vehicles on the side street have a longer wait for the green light. Should you have any further questions please contact Ty Fukumitsu at 768-8388.

7. At the September meeting, the Board passed a resolution opposing the application for the development of "vacation cabins" on the Ka Iwi coastline, because it would violate the East Honolulu Sustainable Communities Plan (EHSCP), the Honolulu Land Use Ordinance (LUO) and the Conditional Use Permit (CUP). Department of Planning and Permitting (DPP) responded that the DPP, on September 1, declined to accept this application for processing.
8. At the September meeting, the Board passed a resolution asking the DPP to deny L & K Investments, LLC's Cluster Housing Permit Application No. 2006/CL-10, located behind Aina Haina Elementary School. At the October meeting, the Board passed another resolution in opposition. The Board asked why the DPP is suggesting to the developer to build cluster housing. The DPP responded, on October 25, it denied this application for cluster housing.
9. At the March 2006 Neighborhood Board meeting, Hal Senter gave an update on the five-year review of the East Honolulu Sustainable Communities Plan (EHSCP). The DPP was supposed to have public meetings in Kuli'ou'ou and Hawaii Kai before the review went to the City Council. The Board requested an update by Bob Stanfield. DPP responded that DPP's review of the EHSCP is on going and has not been sent to the Council. Public meetings will be scheduled in the near future.
10. At the October meeting the Board was told that building permits were not made public until they are issued. Is this true? Why? DPP responded that building permit applications are available for on-line review when received and logged in. Actual plans are available for public review upon issuance of building permits and upon request.
11. At the October meeting the Board requested a representative from the DPP to attend Neighborhood Board meetings when topics like the Cluster Housing development (See No. 8) or public beach access through private property are on the agenda. The DPP will review this request on a case by case basis. We do encourage applicants to meet with community groups and do take into consideration the concerns of the community as demonstrated in recent applications.

12. At the October meeting, Board member Ashworth again mentioned the potholes around the 900-block of Hind Iuka Drive near Wailupe School. Department of Facility Maintenance (DFM) responded that the potholes were patched on November 6, 2006.
13. At the August meeting Board member Al Andrews mentioned in Kuli'ou'ou on Summer Street. (Paiko Lagoon), the "no parking" sign is falling down. The Department of Facility Maintenance (DFM) responded that repairs to the sign were completed on August 24, 2006.
At the October meeting, the Board mentioned that the sign fell down again. Signs were replaced for second time on November 9, 2006.
14. At the October meeting, Board member Ashworth mentioned that the light on Kuli'ou'ou Road and Summer Street, next to the church, is still out. Department of Facility Maintenance (DFM) is looking into it.
15. At the October meeting, Board member Jeannine Johnson complained about the potholes in Niu Valley. She hoped that the City does not forget about Niu Valley. DFM responded that since no specific locations were given, the area will be surveyed and all potholes noted will be scheduled for patching week of December 11, 2006.
16. For information only to the DTS- Board member Starr was concerned about the bus stop benches were too wide to allow 36-inches clearance for wheelchairs on the sidewalks. She suggested thinner benches.
17. At the October meeting, Board member Bertha Leong mentioned that her neighbors on East Hind Drive were complaining that the gutters are too steep. When they back up, their car bumpers hit the curb. Board member Young mentioned that Americans with Disability Act (ADA) ramps were needed on West Hind Drive and Nenuue Street. DDC and DFM are investigating the request.
18. At the October meeting, Board member Starr was concerned about Nehu Neighborhood Park. It is not a "dog park," but she has seen unattended dogs with a leash in this park. DPR responded that it does not allow "unattended dogs with a leash" at Nehu Neighborhood Park. Dogs on leash are allowed, but must be controlled by their owners at all times. The DPR sign at the entrance states the exception of dogs on leash. Since there is no on-site staff at Nehu Neighborhood Park, persons seeing any violations should call HPD.

Concerning his daily commute, Mayor's representative Bruce commented that after many years living in Mililani, he moved back to Hawaii Kai. While in Mililani he had to leave his home at 6:00 a.m. to get to his downtown office by 7:45 a.m., and it took an hour and a half to drive home. Now, it takes him 18 minutes to drive from Hawaii Kai to downtown in the morning and half an hour to return to Hawaii Kai in the afternoon.

Chair Chuck thanked Mayor's representative Bruce.

Senator Sam Slom - (9:15 p.m.) Senator Slom distributed his newsletter and highlighted the following: 1. There was a rail hearing today. Every major labor union, land developer and business owner was there to testify in favor of it. Construction cost could be \$5 to 6 billion. They also mentioned a tax increase. 2. Tomorrow, the Citizens Against Noise will have a presentation on aircraft noise over East Oahu at 10:30 a.m. at the State Capitol, Room 325. 3. The opening of the 2007 Legislature will be on January 17. If anyone wants to sit in the floor section of the Senate, contact him. He wished everyone a Merry Christmas.

Chair Chuck thanked Senator Slom.

Representative Barbara Marumoto - No representative present.

Representative Lyla Berg - No representative present, but her newsletter was distributed.

A Board member left the meeting.

APPROVAL OF THE OCTOBER 5, 2006 REGULAR MEETING MINUTES AND THE NOVEMBER 2, 2006 MEMORANDUM FOR THE RECORD - The following corrections were made to the October 5, 2006 regular meeting minutes.

Page 1, under **Members Absent**, it should read, "Jack Schneider (excused)."

Page 11, in the middle, it should read, "Board member Young asked why the Americans with Disability Act (ADA) ramps were dug up on West Hind Drive and Nenu Street." and the next sentence be deleted.

The October 5, 2006 regular meeting minutes were approved as corrected.

The November 2, 2006 Memorandum For The Record was approved as circulated.

ACTION ON LEGISLATIVE RESOLUTIONS AND PROPOSED BILLS FOR ORDINANCES AND LAWS: Legislative Subcommittee Chair Jeannine Johnson submitted the following resolution with eighteen topics or points:

WHEREAS, 180 "vacation cabins" were proposed to be built behind the Hawai'i Kai Golf Course on undeveloped preservation land, fronting the untouched Ka Iwi coastline. Nearly 100 percent of the people attending the Mayor's town hall meeting on July 12, 2006 and the Hawai'i Kai Neighborhood Board's meeting a few weeks earlier, opposed the development. Each meeting had over 300 people present. At the request of the community, Councilmember Charles Djou has prepared a draft bill seeking to amend the Conditional Use Permit-minor requirement for "cabins" to a Conditional Use Permit-major. So, in the future, when vacation cabins are considered, there is a trigger for a public hearing. Councilmember Djou has also prepared another draft bill seeking to require a Conditional Use Permit-major for "entertainment facilities" in response to the two proposed 1,500 sq. ft. entertainment facilities proposed by the same developer.

WHEREAS, a new major study predicts a "global collapse" of the populations of just about all seafood by 2048 if fishing around the world continues at its present pace and the total biomass of reef fishes in the main Hawaiian islands is less than a quarter of what it was a century ago. While pollution, development and alien species all possibly contribute to this loss, over fishing is the primary factor in the precipitous decline of our near-shore fisheries. Abandoned lay gill fish nets damage coral reefs and indiscriminately kill marine life. The recent death of a five-month-old female Hawaiian monk seal pup in an unattended lay gill net off Waimanalo highlighted the fact that gill nets have been shown to cause the death of protected species such as the Hawaiian monk seal and the green sea turtle. Banning lay gill nets will help to protect Hawaii's ocean ecosystem at a time when research and studies show that curbs are increasingly crucial to healthy fish stock and coral reefs.

WHEREAS, the state Board of Land and Natural Resources recently approved of gill net limitations from waters around Maui and off Windward and East O'ahu areas, adding to existing no-fish zones off West Hawai'i. More conservation officers must be assigned and funded to the Department of Land and Natural Resources (DLNR) so that the new regulations can be properly enforced. Without enforcement, the new restrictions will be meaningless.

WHEREAS, data from the government's National Highway Traffic Safety Administration through 2005 show that about 8,000 children are injured each year in school bus crashes and new national data show school bus-related accidents send 17,000 U.S. children to emergency rooms each year. Researchers said the results provide a strong argument for requiring safety belts on school buses and particularly lap-shoulder belts "could not only prevent injuries related to crashes," they could also keep kids seated "so they're not falling out of their seats when buses make normal turns or brake," said lead author Jennifer McGeehan, a researcher at Columbus Children's Hospital's Center for Injury Research and Policy in Columbus, Ohio. The American Academy of Pediatrics advocates having lap-shoulder belts on all new school buses and supports having adult monitors on buses, too, said Dr. Barbara Frankowski, a Vermont pediatrician and chair of academy's council on school health.

WHEREAS, Hawai'i's public school children's test scores consistently rank at or near the bottom nationally even though the Department of Education spends almost \$9,500 per student, per year. Hawai'i has only one school district for the entire state, has few charter schools and offers no assistance for private school expenses. Hawai'i also has the nation's highest percentage of students in private schools. Parents in Hawai'i know the kind of education that they want for their children and one in five families believe private schools provide the best education for their child(ren). Parents with children in private school have been subsidizing the cost of a failing system for far too long and deserve a tuition tax credit in an amount equal to tuition paid to any private school.

WHEREAS, thieves who steal copper gutters and wires from fixtures and electrical equipment have cost hundreds of thousands of dollars in damage to our highways, parks, schools and businesses. Those who run scrap metal and recycling businesses must be required to ask clients for photo identification and keep a logbook of any copper purchase, similar to the new federal law restricting the sale of cold medicines with an ingredient used to make methamphetamine, or be subject to appropriate criminal penalties.

WHEREAS, Hawai'i had the lowest voter turnout in the nation in both the 2002 and 2004 General Elections, according to the U.S. Census. The percentage of registered voters who turned out for the General Election on November 7, 2006, hit an all-time low at 53 percent, down from a high of 93 percent in 1960. Changing our General Election voting from a Tuesday to a Saturday would increase turnout substantially.

WHEREAS, the unprecedented probe of illegal campaign donations destroyed Mayor Jeremy Harris' campaign for governor, ripped the lid off a decades-old system of tainted donations that had mainly benefited Democrats, and helped pave the way for the election of Hawai'i's first Republican governor in 40 years. Now, with lobbyist Jack Abramoff serving time on charges including conspiracy to bribe public officials and former U.S. Representative and House Majority Leader Tom DeLay indicted for money-laundering, voters are outraged with the way lobbyists' campaign contributions have corrupted lawmakers. Just as judges have to recuse themselves if they have a financial tie to someone in their courtroom, lawmakers should too.

WHEREAS, according to the Consumer Price Index, Honolulu's inflation rate is the worst in the nation, and housing and fuel costs are eating into the incomes of Honolulu residents. Soaring home prices and rents, fueled by nonresident purchases, are at near-record highs, with the median single-family home going for \$645,000 last month, resulting in a 103.4 percent increase in the cost of housing on O'ahu for the past six years (an annual increase of 12.6 percent). The price of housing escalates when nonresidents purchase property, keeping housing inventory low, forcing property taxes up, and pricing prospective home-buyers out of the housing market. A "non-resident" tax should be paid, much more than just the 5 percent withholding tax currently imposed on the transferee/buyer when a Hawaii real property interest is acquired from a nonresident person (as per the Hawaii Real Property Tax Act or HARPTA). Currently, the disposition of any U.S. real property interest by a foreign person (the Seller) is subject to the Foreign Investment in Real Property Tax Act of 1980 (FIRPTA) which taxes foreign persons 10 percent on dispositions of U.S. real property interests. Act 100, which was signed by the Governor in May, addresses some of the problems of affordable housing by increasing the allocation of conveyance tax revenues to the Rental Housing Trust Fund which provides loans or grants for the development, pre-development, construction, acquisition, preservation, and substantial rehabilitation of rental housing units. However, unless a high "non-resident" tax, equal to 25 percent or more of the purchase price is imposed on any buyer who does not live in said property, our children will never be able to afford to buy their own homes in Hawai'i.

WHEREAS, Hawai'i is a unique and beautiful state – for many, it is an ideal place to live and is second to none for providing a preferred quality of life. But we face a growing number of challenges and pressing issues that threaten our limited natural resources, rich cultural heritage, and precious way of life. The lack of affordable and adequate housing; steady deterioration of our public infrastructure – including roads, parks, schools, health care facilities and other buildings; traffic gridlock and congestion on most islands; and population growth increasing at a rapid rate, particularly on the neighbor islands – all raise questions about the long term limits of growth on these islands and the need for all of us to begin planning and acting now to ensure a positive and sustainable future for the people of Hawai'i, especially our children, youth, and future generations. Our Hawaiian islands are rich in its physical and geographic beauty, its cultural and ethnic diversity, and a Hawaiian tradition and heritage that

make our state uniquely special. To every extent possible, planning policies should be based on the traditional Hawaiian concept of the ahupua'a resource and behavioral management system—a system based on making sure that people respect the air, land, water, and other scarce natural resources that make life sustainable from the mountains to the sea. In its final report, the Hawaii 2050 Sustainability Task recommended that the qualities and characteristics of Hawai'i's unique island lifestyle be preserved, perpetuated and integrated in any long-range planning and based on sound planning principles with accountability.

WHEREAS, despite overwhelming opposition from North Shore residents because of concerns about the impact Kuilima Resort Company's massive expansion project would have on the environment, traffic, infrastructure and their quality of life, the City's Department of Planning and Permitting (DPP) ignored the voices of the people and allowed Kuilima to build five new hotels with 3,500 more condo, timeshare and resort hotel units on Kawela Bay based on a 20 year old agreement and land use permit. The DPP must recognize that we live on an island with finite land where proper land use planning and growth management is essential, and therefore should not "rubber stamp" development, especially those based on permits issued decades ago, to the detriment of our communities. The DPP must enforce strict compliance with all applicable laws and revoke the 1986 Special Management Area Permit issued to Kuilima due to the passage of time and changed conditions of the North Shore and the island of O'ahu.

WHEREAS, the existing ordinances and rules and regulations of the City and County of Honolulu do not establish sufficient specific standards for assessing slope stability of our steep mountainsides, especially those with a history of rockfall and landslide hazards. The Director of the Department of Planning and Permitting (DPP) must impose appropriate standards for lands with an average grade of 20 percent or more, especially those that pose a safety risk for residential neighborhoods located below such areas where development is proposed.

WHEREAS, the residents of O'ahu are now being penalized for the City and County of Honolulu's shortsighted development policy and lack of leadership in failing to deliver a promised "Second City". Growth has run awry in the central plain of O'ahu with an incredible imbalance of too many homes and too few businesses. Poor development policy and greed are the underlying reason why we collectively will be taxed to pay for the \$10 billion (real cost) rail system with the cost to develop a new mass transit system rising \$300,000 a day. A rail solution is complex and deserves proper planning and ample opportunities for community input before one section of rail is even laid. Too many rash decisions have been made already and we are all going to suffer more in the future if planning and land use ordinances are not revised, clarified, and modernized to reflect the needs of rail and our citizenry. But our current leadership subscribes to the culture of regurgitation, not of innovation. We need to put a moratorium on the imbalance of home to business development in Central O'ahu. We need to move businesses out to Kapolei as intensely as needing to move commuters in to Honolulu. We need to really try to use our present bus system for commuting and at least explore the possibility of wind and ocean to carry us to work. We also need to look seriously at Honolulu and where more people can live closer to work.

WHEREAS, while the State of Hawai'i and City and County of Honolulu "celebrates" Statehood Day by giving the third Friday in August off for all its government employees, it does not truly

commemorate this fateful day with any government-sponsored event. Consequently, it would be more appropriate to renounce a Statehood Day holiday in favor of a more appropriate day of celebration, such as November 16 for King Kalākaua's birthday or Queen Lili'uokalani's birthday on September 2, both dates which are celebrated and honored by the indigenous people of Hawai'i.

THEREFORE, Johnson moved and Schell seconded that the Kuli'ou'ou - Kalani Iki Neighborhood Board No. 2 supports the following and our legislators, Senator Sam Slom and Representatives Barbara Marumoto and Lyla Berg, as well as Councilmember Charles Djou, are hereby requested to draft and/or support the following legislation:

- 1) Amending the Conditional Use Permit-minor requirement for vacation cabins to a Conditional Use Permit-major.
- 2) Requiring a Conditional Use Permit-major for entertainment facilities.
- 3) Banning lay gill nets in Hawaiian waters.
- 4) Funding more conservation officers to the Department of Land and Natural Resources (DLNR) so that regulations can be properly enforced.
- 5) Requiring safety belts and particularly lap-shoulder belts on all Hawai'i's school buses.
- 6) Providing parents with child(ren) in private school with a tuition tax credit in an amount equal to tuition paid to any private school.
- 7) Requiring those who run scrap metal and recycling businesses to ask clients for photo identification and keep a logbook of any copper purchased or be subject to appropriate criminal penalties.
- 8) Changing our General Election voting from a Tuesday to a Saturday to increase turnout.
- 9) Mandating lawmakers avoid a conflict of interest when voting on a bill put forth by a contributor by recusing themselves.
- 10) Imposing a "non-resident" tax, equal to 25 percent or more of the purchase price, on any buyer who does not live on property purchased in Hawai'i.
- 11) To preserve, perpetuate and integrate the qualities and characteristics of Hawai'i's unique island lifestyle in any long-range planning and be based on the traditional Hawaiian concept of the ahupua'a system and sound planning principles with accountability.
- 12) Mandating that the Department of Planning and Permitting (DPP) strictly enforce compliance with all applicable laws and revoke the 1986 Special Management Area Permit issued to Kuilima Resort Company due to the passage of time and changed conditions of the North Shore and the island of O'ahu.

- 13) Requiring the Director of the Department of Planning and Permitting (DPP) to impose appropriate standards of development for lands with an average grade of 20 percent or more, especially those that pose a safety risk for residential neighborhoods located below such areas where development is proposed.
- 14) Authorizing a moratorium on the building of homes in Central O'ahu until business development and office space are realized and our promised "Second City" fulfilled.
- 15) Delaying the general excise tax increase to 4.5 percent from 4 percent on January 1, 2007 until the details of a route and the transit technology are fully disclosed, scrutinized and the community given ample opportunities for input.
- 16) Exploring the possibilities of wind and ocean movers as well as promoting our present bus system for commuting.
- 17) Encouraging the development of more projects in Honolulu's urban core so more people can live closer to work.
- 18) Removing Statehood Day from the list of holidays celebrated by the State of Hawai'i and City and County of Honolulu, and instead substituting a more appropriate day of celebration, such as November 16 for King Kalākaua's birthday or Queen Lili'uokalani's birthday on September 2.

Each of the 18 points were discussed and voted on separately. The results were:

- 1) Concerning the changing of the "Ka Iwi vacation cabins" Conditional Use Permit (CUP) from "minor" to "major," Johnson reported that this issue was passed the City Council's Zoning Committee and will go before the full Council on December 13. **As there were no objections, the motion carried unanimously, 13-0-0.**
- 2) Concerning changing to a Conditional Use Permit (CUP) - major for "entertainment facilities, Chair Chuck mentioned that this is related to 1). **As there were no objections, the motion carried unanimously, 13-0-0.**
- 3) Concerning the banning of lay gill nets, Johnson mentioned that now, there is a partial ban and this motion calls for a total ban on gill nets. **The motion carried, 12-0-1.** Abstained-Schell.
- 4) Concerning funding more Department of Land and Natural Resources (DLNR) conservation officers, as there were no objections, **the motion carried unanimously, 13-0-0.**
- 5) Concerning requiring lap-shoulder and safety belts on Hawaii's school buses, Parke opposed this motion. He offered information that suggested that seat belts would not reduce fatalities, which are only six per year. Lum opposed this motion and questioned the number of seat belts needed per seat. Previously, resident Phil Sharp had e-mailed his comments, but he questioned who would be responsible to make sure that the children

fasten their seat belts correctly and the cost would be too high. **The motion did not carry, 3-10-0.** Ayes- Johnson, Siddiqui, and Spangler.

- 6) Concerning a tax credit for parents, who send their children to private schools, there was a lot of discussion. Two Board members felt that parents choose to send their kids to private school without a tax credit. Other Board members questioned the amount of tax credit. **Johnson moved and Boltz seconded to amend the motion to add "up to \$5,000 tax credit."** **The amendment carried, 11-1-1.** Nay- Schell. Abstained- Young. **The amended motion carried, 12-0-1.** Abstained- Young.
- 7) Concerning requiring recycling companies to keep more information on their clients, the motion was amended to read, "Requiring those who run scrap metal and recycling businesses to ask clients for photo identification and to keep a logbook of any copper purchased or to be subject to appropriate criminal penalties. **The motion carried unanimously, 13-0-0.** Starr mentioned that, per Alvin Takeshita, the makai-side street lights on Kalaniana'ole Highway have been out since the October earthquake and power outage due to copper theft.
- 8) Concerning changing General Election Day, from Tuesday to Saturday for more voter turnout, Chair Chuck mentioned that the General Election is under the Federal government jurisdiction. **The motion did not carry, 1-12-0.** Aye- Johnson.
- 9) Concerning requiring lawmakers to "recuse" themselves on "conflict of interest" matters, Board members liked the idea of lawmakers recusing themselves from "conflict of interest" votes, but felt it was not practical. Chair Chuck announced that **the motion would not be passed out.**
- 10) Concerning imposing a 25 percent "non-resident" tax on real property purchases, Board members mentioned U.S. Constitutional problems, other legal problems and that this would make Hawaii more "anti-business." Johnson wanted to penalize "flippers" and speculators, who drive up the cost of living. Parke added that under California's "anti-speculation" law, the property tax only applies to the homeowner, as long as he owns the home. It changes with the sale of the house. Chair Chuck announced that **the motion would not be passed out.**
- 11) Concerning the Hawaiian concept of the ahupua'a system and sound planning principles with accountability, Rautio agreed with the concept, but did not see how it would be implemented. **The motion carried, 12-0-1.** Abstained- Rautio.
- 12) Concerning the Department of Planning and Permitting (DPP) to revoke the 1986 Special Management Area Permit issued to the Kuilima Resort Company, there was much discussion about outdated permits and putting "mandating the Department of Planning and Permitting (DPP)" under "support legislation." Johnson offered a presentation at the next meeting. Chair Chuck deferred this to the next year.
- 13) Concerning the Director of the DPP to impose standards for lands with an average grade of 20 percent or more, Parke opposed this motion, because there are other factors

than just a 20 percent grade, like soil conditions, the underlying bedrock and other developments in the area. He just fixed his driveway, which had a 22 percent grade. Chair Chuck countered that as an engineer, he knows what Parke is saying, but he favors that the land not be developed. **The motion carried 12-1-0.** Nay- Parke.

- 14) Concerning a moratorium of the building of homes in Central Oahu until business development, there was much discussion over the State making "business decisions" and the development of the Kapolei area. **The motion did not carry, 2-7-4.** Ayes- Johnson and Spangler.

(10:00 p.m.)

- 15) Concerning delaying the collection of the 1/2 percent increase in the General Excise Tax (GET) until the route and transit technology are fully disclosed, **the motion carried, 11-2-0.** Nay- Boltz and Parke.
- 16) Concerning exploring the possibility of alternative transportation, this motion was amended to "Exploring the possibilities of ocean movers and bicycles, as well as promoting our present bus system for commuting." **The motion carried. 12-1-0.** Nay- Young.
- 17) Concerning developing Honolulu's urban core, Parke and Johnson favored this concept. By developing the urban core, we wouldn't have "urban sprawl." Chair Chuck did not favor the crowdedness of New York City or Tokyo. **The motion did not carry, 5-7-1.**
- 18) Concerning changing the State holidays, **the motion did not carry, 1-12-0.** Aye- Johnson.

Johnson offered two more resolutions for consideration, which were not on the agenda.

19) RESOLUTION IN SUPPORT OF COMPREHENSIVE PUBLIC FUNDING OF ELECTION CAMPAIGNS

WHEREAS, there exists a broad sentiment through out the nation that comprehensive public funding of election campaigns is a necessary step to redress the many problems arising from the current system of campaign funding, and

WHEREAS, there is a public perception of undue influence upon elected officials by financial contributors to their campaigns, and

WHEREAS, wealth or access to wealth appears to be a major determinant of a citizen's influence upon the political process thereby damaging the fundamental principle of democracy of 'one person, one vote', and

WHEREAS, all citizens must be guaranteed equal and meaningful participation in the democratic process with protection and validation of free speech rights of non-wealthy candidates and voters; and

WHEREAS, the First Amendment insures the right of voters and candidates to be heard in the political process with open and robust debate; and

WHEREAS, accountability of elected officials to the constituents who elect them is desirable and can be seriously diminished by the forces of special interests with their campaign contributions; and

WHEREAS, taxpayers would be saved millions of dollars now wasted through special arrangements legislated on behalf of campaign contributors; and

WHEREAS, the escalating cost of campaigns would be halted and reversed in time by commitments to lower spending as found in public campaign funding; and

WHEREAS, a more level playing field would be created for incumbents and challengers, with genuine opportunities for qualified candidates to run for office thereby encouraging more competitive elections; and

WHEREAS, candidates would be freed from the incessant rigors of raising money, allowing more time for official duties, while removing obligations to contributors' agenda;

BE IT RESOLVED that the Kuli'ou'ou-Kalani Iki Neighborhood Board No. 2 supports the voluntary use by candidates of comprehensive public funding of election campaigns.

BE IT FURTHER RESOLVED that copies of this resolution be sent to the Senate President, the Speaker of the House and Governor Lingle.

Chair Chuck asked for a two-thirds vote (12) to place #19 on the agenda. **The motion did not carry.**

Johnson offered another resolution for consideration, which were not on the agenda.

20) SUPPORT THE OIP'S AMENDMENT TO THE SUNSHINE LAW STATUTE

WHEREAS, during the past legislative sessions, the Office of Information Practices introduced a number of bills intended to address some of the recurring complaints by boards about the Sunshine Law. For instance, one of the OIP's bills was intended to allow board members to attend a community presentation or community forum without prior notice, while protecting the public's right to know by requiring those board members to report about the presentation or forum at their next Board meeting.

Another bill was intended to allow board members to participate in site inspections or product demonstrations to which the public was not invited or allowed to participate. The Legislature, however, did not approve those bills. Because of the manner in which the Sunshine Law statute restricts a Board's ability to conduct business or causes a Board to be less efficient in conducting its business, the OIP has recognized that some of the issues can and perhaps should be addressed through an amendment to the statute, including allowing board members

to attend a community presentation or community forum without prior notice as long as those board members report about the presentation or forum at their next meeting.

Chair Chuck asked for a two-thirds vote (12) to place #20 on the agenda. **The motion did not carry.** Board members wanted time to study the resolutions. Chair Chuck deferred the two resolutions until next year.

A few Board members left the meeting.

Johnson moved and Schell seconded that the Kuli'ou'ou - Kalani Iki Neighborhood Board No. 2 supports the following and our legislators, Senator Sam Slom and Representatives Barbara Marumoto and Lyla Berg, as well as Councilmember Charles Djou, are hereby requested to draft and/or support the following legislation. The motion carried, 9-0-0.

Chair Chuck and the Board acknowledged the hard work the Legislative Committee Chair Johnson did in preparing the resolutions with applause.

Parke reminded the Board that under the "Sunshine Law", the Board is not allowed to e-mail or solicit comments to everyone, only to Chair Chuck.

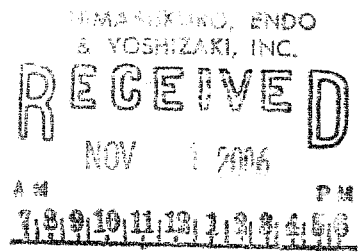
Spangler left the meeting at 10:19 p.m.

Councilmember Charles Djou- Francisco "Chico" Figueiredo distributed Councilmember Djou's newsletter and announced the following: 1) The repaving of West Hind Drive and East Hind Drive is going on now. 2) The two "Ka Iwi vacation cabins" resolutions (06-355 and 06356) were passed out of the Zoning Committee and will move to the full council on December 13. Then, it will go to the Department of Planning and Permitting (DPP). 3) On behalf of Councilmember Djou, Figueiredo wished everyone a "Merry Christmas!" and a "Happy New Year!"

ADJOURNMENT - Hearing no objections, Chair Chuck adjourned the meeting at 10:20 p.m.

Submitted by Neighborhood Assistant K. Russell Ho.

Reviewed by Chair Bob Chuck, Secretary Jeannine Johnson, and Board member Linda Starr.



October 29, 2006

Howard K. Endo Ph D. P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
1129 12th Avenue, Room 309
Honolulu, HI 96816-3715

Dear Mr. Endo,

We are the mauka neighbors of the Kuliouou Wastewater Pump Station, and have concerns on the proposed modifications described in your recent letter.

We are quite concerned about the waiver from City Land Use Ordinance to setback the new generator room 7 feet from our property. The current generator is already very loud and placing it closer to our home will only increase the sound pollution. Currently, we have to close up our house to prevent the noise and fumes from entering every afternoon when it is run for an hour or so.

With the new generator comes a very large 1,000 gallon propane tank placed above ground. We are in favor of the previously proposed plan of a 500 gallon tank underground with a smaller 250 tank kept above ground. This will minimize the impact of an industrial looking facility in our residential neighborhood.

Thank you,

6176 May Way

APPENDIX B

DRAFT SUPPLEMENTAL EA AGENCIES AND PUBLIC COMMENTS



P.O. BOX 2360
HONOLULU, HAWAII 96804

OFFICE OF THE SUPERINTENDENT

August 22, 2007

Mr. Eugene C. Lee, Director
Department of Design and Construction
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813

Attention: Ms. Karli M. Miyata

Dear Mr. Lee:

Subject: Supplemental Environmental Assessment for the Kuliouou
Wastewater Pump Station, Kuliouou, Oahu

The Department of Education has no comment or concern about the proposed plans for the Kuliouou Pump Station and Force Main. Should you have any questions, please call Heidi Meeker of the Facilities Development Branch at 733-4862.

Very truly yours,

Patricia Wamman

Patricia Hamamoto

PH:jmb

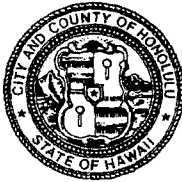
c: Randolph Moore, Assistant Superintendent, OBS
Duane Kashiwai, Public Works Administrator, FDB
✓Howard K. Endo, Shimabukuro, Endo & Yoshizaki, Inc.
OEQC

SHIMABUKURO, ENDO
& YOSHIZAKI, INC.
RECEIVED
AUG 23 2007
AUG 23 11 12 12 2007

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-149

September 5, 2007

Ms. Patricia Hamamoto, Superintendent
State of Hawaii
Department of Education
P.O. Box 2360
Honolulu, Hawaii 96804

Attention: Ms. Heidi Meeker
Facilities Development Branch

Dear Ms. Hamamoto:

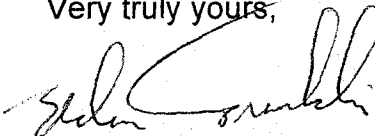
Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 22, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and the Department of Education has no comment or concern about the proposed plans.

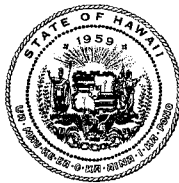
If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,


Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers

LINDA LINGLE
GOVERNOR OF HAWAII



CHIYOME L. FUKINO, M.D.
DIRECTOR OF HEALTH

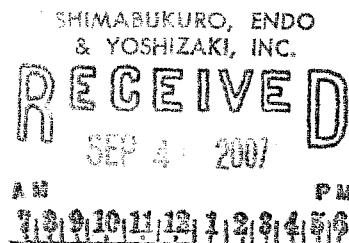
STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. Box 3378
HONOLULU, HAWAII 96801-3378

In reply, please refer to:

EPO-07-154

August 29, 2007

Dr. Howard K. Endo
Shimabukuro, Endo & Yoshizaki, Inc
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715



Dear Dr. Endo:

SUBJECT: Draft Supplemental Environmental Assessment for Kuliouou Wastewater Pump Station and Force Main Replacement
Honolulu, Hawaii
TMK: (1) 9-8-004: 079, 3-8-004 and 3-9-035

Thank you for allowing us to review and comment on the subject documents. The documents were routed to the various branches of the Department of Health (DOH) Environmental Health Administration. We have the following Wastewater Branch and General comments.

Wastewater Branch

We have no objections to the proposal and concur with the project

All wastewater plans must meet Department's Rules, HAR Chapter 11-62, "Wastewater Systems." We do reserve the right to review the detailed wastewater plans for conformance to applicable rules. If you have any questions, please contact the Planning & Design Section of the Wastewater Branch at 586-4294.

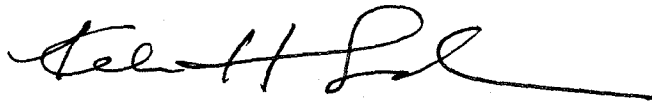
General

We strongly recommend that you review all of the Standard Comments on our website: www.state.hi.us/health/environmental/env-planning/landuse/landuse.html. Any comments specifically applicable to this project should be adhered to.

Dr. Endo
August 29, 2007
Page 2

If there are any questions about these comments please contact Jiakai Liu with the Environmental Planning Office at 586-4346.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelvin H. Sunada", with a long horizontal line extending to the right.

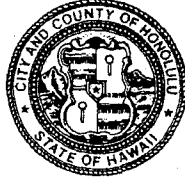
KELVIN H. SUNADA, MANAGER
Environmental Planning Office

c: EPO
WWB

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-164

September 14, 2007

Mr. Kelvin H. Sunada, Manager
Environmental Planning Office
State of Hawaii
Department of Health
P.O. Box 3378
Honolulu, Hawaii 96801-3378

Attention: Mr. Jiakai Liu

Dear Mr. Sunada:

Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 29, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

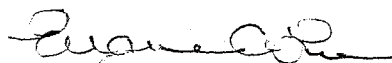
We acknowledge that the Department of Health (DOH) has reviewed the subject document and has no objections to the proposal and concur with the project.

We have the following comments to your concerns:

1. All Wastewater plans will meet DOH Rules, HAR Chapter 11-62, "Wastewater Systems." We acknowledge the right of DOH to review the detailed wastewater plans for conformance to applicable rules. If we have any questions, we will contact the Planning & Design Section of the Wastewater Branch at 586-4294.
2. We will review all of the Standard Comments on your website: www.state.hi.us/health/environmental/env-planning/landuse/landuse.html. Any comments specifically applicable to this project will be adhered to.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,


Eugene C. Lee, P.E.
Director

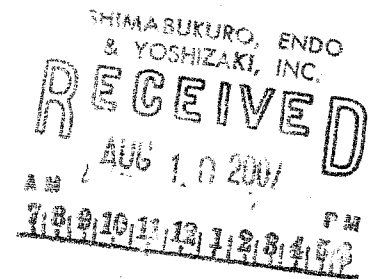
c: Howard K. Endo, SEY Engineers

LINDA LINGLE
GOVERNOR OF HAWAII



LAURENCE K. LAU
ACTING DIRECTOR

STATE OF HAWAII
DEPARTMENT OF HEALTH
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
235 SOUTH BERETANIA STREET
LEIOPAPA A KAMEHAMEHA, SUITE 702
HONOLULU, HAWAII 96813
Telephone (808) 586-4185
Facsimile (808) 586-4186
Electronic Mail: OEQC@doh.hawaii.gov



August 9, 2007

Eugene C. Lee, P.E., Director
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Dear Mr. Lee:

Subject: Draft Supplemental Environmental Assessment (DEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK: 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for the opportunity to review the subject document. The Office of Environmental Quality Control has no comments at this time.

Please call Herman Tuiolosega at (808) 586-4185 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "George Casen".

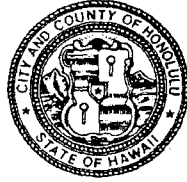
George Casen
Planner

c: Howard K. Endo, Shimabukuro, Endo & Yoshizaki, Inc.

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-135

August 15, 2007

Mr. Laurence K. Lau, Acting Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Attention: Mr. George Casen, Planner

Dear Mr. Lau:


Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 9, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and the Office of Environmental Quality Control has no comments at this time.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,

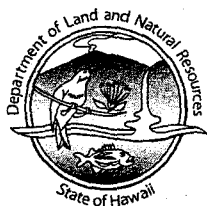

Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers

LINDA LINGLE
GOVERNOR OF HAWAII



ALLAN A. SMITH
INTERIM CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

July 24, 2007

Department of Design & Construction
Wastewater Branch
650 South King Street 14th Floor
Honolulu, Hawaii 96813

Attention: Kali Miyata

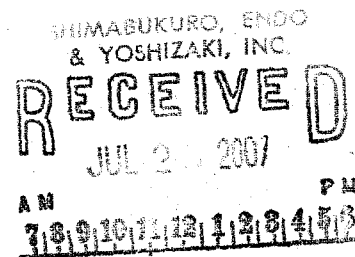
Gentlemen:

Subject: Draft Supplemental Environmental Assessment for Kuliouou Wastewater
Pump Station and Force Main Replacement, Honolulu, Oahu, Tax Map
Key: (1) 3-8-4:79; 3-8-4; 3-9-35

Thank you for the opportunity to review and comment on the subject matter. The Department of Land and Natural Resources has no comment to offer on the subject matter. Should you have any questions, please feel free to call our office at 587-0433. Thank you.

Sincerely,

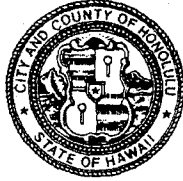
A handwritten signature in cursive script, appearing to read "Russell Y. Tsuji".
Russell Y. Tsuji
Administrator



DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG J. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-126

August 6, 2007

Mr. Russell Y. Tsuji, Administrator
Land Division
State Department of Land and Natural Resources
P.O. Box 261
Honolulu, Hawaii 96809


Dear Mr. Tsuji:

Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

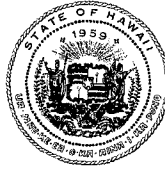
Thank you for your letter of July 24, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project. We acknowledge that you have reviewed the subject matter and the Department of Land and Natural Resources has no comments to offer.

If you have further comments or concerns, please contact Karli Miyata at 768-8762.

Very truly yours,


Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers

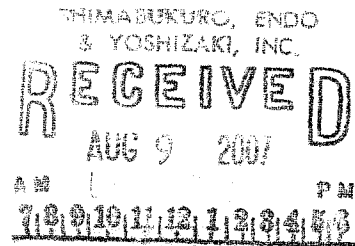


STATE OF HAWAII
DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

LAND USE COMMISSION

P.O. Box 2359
Honolulu, Hawaii 96804-2359
Telephone: 808-587-3822
Fax: 808-587-3827

August 7, 2007



Howard K. Endo, Ph.D., P.E.
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Dr. Endo:

Subject: Comments on Draft Supplemental Environmental Assessment (DSEA)
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK No: 3-08-04: 79, 3-08-04 and 3-09-35
Honolulu, Hawaii

We acknowledge receipt of your letter dated July 23, 2007, regarding the above subject DSEA.

Pursuant to §205-3.1(c), Hawaii Revised Statutes, and given the location, scope, and nature of the proposed activity, we have no further comments to offer at this time.

Thank you for the opportunity to comment on the subject project. Please feel free to contact me at 587-3822, should you require clarification or any further assistance.

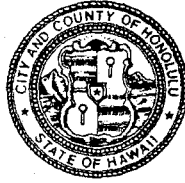
Sincerely,

A handwritten signature in black ink, appearing to read "Anthony J. H. Ching".
ANTHONY J. H. CHING
Executive Officer

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-136

August 15, 2007

Mr. Anthony J.H. Ching
Executive Officer
Department of Business, Economic
Development & Tourism
Land Use Commission
P.O. Box 2359
Honolulu, Hawaii 96804-2359

Dear Mr. Ching:


Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 7, 2007, to Howard K. Endo of Shimabukuro, Endo & Yoshizaki, Inc., regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject matter and given the location, scope, and nature of the proposed activity, the Land Use Commission has no further comments to offer at this time.

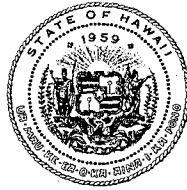
If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,


Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers

LINDA LINGLE
GOVERNOR



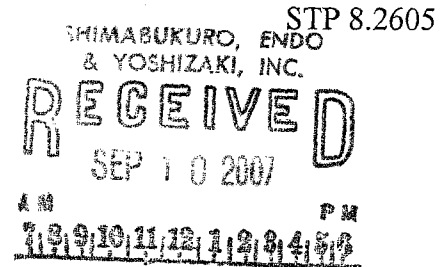
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

September 4, 2007

BARRY FUKUNAGA
DIRECTOR

Deputy Directors
MICHAEL D. FORMBY
FRANCIS PAUL KEENO
BRENNON T. MORIOKA
BRIAN H. SEKIGUCHI

IN REPLY REFER TO:



Mr. Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Mr. Endo:

Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK: 3-08-04: 79, 3-08-04 and 3-09-35

Thank you for providing a copy of the subject DSEA.

Our prior comments in letter STP 8.2290 dated September 29, 2006 (copy attached) are still valid and remain applicable for the subject DSEA. The project is not anticipated to significantly impact any transportation facilities.

By copy of this letter, the DSEA report is being forwarded to the Highways Division for project information purposes and any follow-up that may be needed to address highway traffic concerns.

We appreciate the opportunity to provide comments.

Very truly yours,

BARRY FUKUNAGA
Director of Transportation

Attach.

LINDA LINGLE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

RODNEY K. HARAGA
DIRECTOR

Deputy Directors
FRANCIS PAUL KEENO
BARRY FUKUNAGA
BRENNON T. MORIOKA
BRIAN H. SEKIGUCHI

IN REPLY REFER TO:

STP 8.2290

September 29, 2006

Mr. Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc.
Civil Environmental & Structural Engineers
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Dear Mr. Endo:

Subject: Pre-Assessment Consultation
Kuliouou Wastewater Pump Station Modification and
Force Main Modification Project

Thank you for your notification on the subject proposed project by the City and County Department of Design and Construction.

The project is not anticipated to cause a significant impact to our State highway facilities.

By copy of this letter, information of the project will be forwarded to our Highways Division staff for their information and any follow-up that may be needed. Any coordination regarding traffic detours or other effects on Kalaniana'ole Highway can be arranged with the City and County, if deemed necessary, by our highways staff.

We appreciate the opportunity to provide our comments.

Very truly yours,

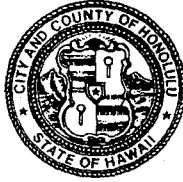
A handwritten signature in black ink, appearing to read "Rodney K. Haraga", is written over a horizontal line.

RODNEY K. HARAGA
Department of Transportation

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-163

September 14, 2007

Mr. Barry Fukunaga, Director
State of Hawaii
Department of Transportation
869 Punchbowl Street
Honolulu, Hawaii 96813-5097

Dear Mr. Fukunaga:

Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of September 4, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that the Department of Transportation (DOT) has reviewed the subject document and has determined that the project is not anticipated to significantly impact any transportation facilities.

We have the following comments to your concerns:

1. We acknowledge that the DOT prior comments in letter STP 8.2290 dated September 29, 2006 (copy enclosed) are still valid and remain applicable for the DSEA.
2. By copy of your letter, the DSEA report has been forwarded to the Highways Division for project information purposes and any follow-up that may be needed to address highway traffic concerns will be coordinated by our design engineers with the Highways Division during the construction plans preparation phase.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,

A handwritten signature in black ink, appearing to read "Eugene C. Lee".

Eugene C. Lee, P.E.
Director

Enclosure

c: Howard K. Endo, SEY Engineers



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPI'OLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813

07 AUG 23 2007

HRD07/2709B

August 22, 2007

Karli Miyata
Department of Design and Construction
Wastewater Branch
650 South King Street, 14th Floor
Honolulu, Hawaii 96813

RE: Draft Supplemental Environmental Assessment for Kuliouou Wastewater Pump Station and Force Main Replacement, Honolulu, Hawai'i, TMK: 3-08-04:079, 3-09-35:35.

Dear Ms. Miyata,

The Office of Hawaiian Affairs (OHA) is in receipt of your request for written comments regarding the applicant's Draft Supplemental Environmental Assessment (DSEA) for the Kuliouou Wastewater Pump Station and Force Main replacement near 'Āina Haina. OHA thanks you for this opportunity and has the following comments.

The purpose of an environmental assessment generally, and also that of a draft environmental assessment (DEA), is to weigh the environmental effects of various alternatives to the proposed project. This DEA simply assumes that the project will go forward as planned. Three times in the invitation to comment and in the DEA itself the applicant states that, "The Department of Design and Construction is anticipated to conclude that the project will have no significant impact on the environment and will determine a **Finding of No Significant Impact**." (no emphasis added)

Yet, the purpose of the alternatives analysis in a DEA is to compare different ways of carrying out a desired project in a way that will result in the least detrimental effect on the human environment. Thus, the applicant should look at alternatives that consider factors such as different implementation methods and facility configurations rather than repeatedly and emphatically stating that no significant impact is anticipated.¹

¹ See, *Environmental Guidebook* at page 17.

Karli Miyata
Department of Design and Construction
Wastewater Branch
August 22, 2007
Page 2

OHA appreciates that a Tree Assessment Report was done as requested by the Department of Parks and Recreation October 3, 2006 comment letter and that, as a result, one of the native kukui trees that OHA had mentioned in our October 2, 2006 comment letter will be saved. OHA would also like to suggest that the project area be landscaped with additional native or indigenous species. Doing so would not only serve as practical water-saving landscaping practices, but also serve to further the traditional Hawaiian concept of mālama 'āina.

OHA also notes that if the water table is reached during subsurface excavation, a State Department of Health National Pollutant Discharge Permit under the Clean Water Act, Section 402 is required. This would also apply if any dewatering is required as mentioned on page 2-9 of the DSEA. However, OHA notes that no Army Corps of Engineers Clean Water Act Section 404 or Rivers and Harbors Act Section 10 permits were listed on the applicant's **LIST OF REQUIRED PERMITS** in section 2.7. Yet, page 4-10 of the DSEA states that,

Construction of the 2006 Modifications could result in short-term impacts on coastal resources and water quality resulting from silt runoff....Thus, these construction activities could result in localized silt runoff that has a potential to enter coastal waters having some short-term impact on water quality.

As such, OHA recommends that a jurisdictional determination be requested by the applicant to the Army Corps of Engineers. OHA appreciates that the applicant recognizes that the waters near the project are class A waters and as such are protected via the State Department of Health, Hawai'i Revised Statutes 11-54, Water Quality Standards. However, the waters near this project area are also used by our beneficiaries for constitutionally protected rights such as surfing, canoeing and limu gathering. Paiko Lagoon Wildlife Sanctuary is also located near the project area where the A'e'o (Hawaiian Stilt) can be found.

OHA also expresses concern over the fact that, according to the Final Environmental Assessment, there is a potential for encountering cultural resources, including human burials, within the project area. The applicant's position that Native Hawaiian burials cannot exist on the subject property because of prior development is flawed, as evidenced by numerous recent cases of Native Hawaiian burials with no surface markers being identified during construction activities on properties that have been extensively developed in the past.

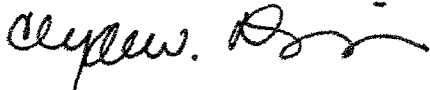
OHA notes and does appreciate that an effort was made to assess the impact on cultural resources, as required under Hawaii Revised Statutes, chapter 343, and that an

Karli Miyata
Department of Design and Construction
Wastewater Branch
August 22, 2007
Page 3

archeological monitor will be hired and work will stop and the State Historic Preservation Division will be contacted should iwi kūpuna or cultural artifacts be uncovered.

Thank you for the opportunity to comment. If you have any further questions or concerns please contact Grant Arnold at (808) 594-0263 or granta@oha.org.

Sincerely,

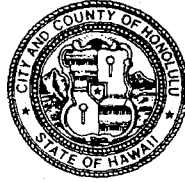
A handwritten signature in black ink, appearing to read "Clyde W. Nāmu'o", with a stylized flourish at the end.

Clyde W. Nāmu'o
Administrator

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-169

September 21, 2007

Mr. Clyde W. Nāmu'o
Administrator
Office of Hawaiian Affairs
711 Kapiolani Boulevard, Suite 500
Honolulu, Hawaii 96813

Attention: Mr. Grant Arnold

Dear Mr. Nāmu'o:

Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 22, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project. We would like to offer the following in reply to your concerns:

1. The purpose of this DSEA was to address the probable impacts on the surrounding environment resulting from the City's proposed 2006 Modifications to the 2001 improvements proposed for the Kuliouou WWPS and to determine if the impacts were significant enough to warrant the preparation of an Environmental Impact Statement. The DSEA process included a pre-assessment consultation regarding the 2006 Modifications with various State and City governmental agencies, including OHA, community organizations, and residents adjacent to the project site to obtain their comments and concerns. After carefully reviewing the 2006 Modifications and the affected environment, discussing potential environmental impacts and proposed mitigation measures and considering every phase of the proposed action, the expected primary and secondary consequences, the cumulative effect, and the short-term and long-term effect, the City anticipated that the 2006 Modifications may have no significant impact to the environment and prepared the DSEA. The 13

Significance Criteria prescribed under the State Department of Health's Administrative Rules Title 11, Chapter 200 were reviewed and after careful evaluation of the Significance Criteria as discussed in Chapter 7 Findings and Anticipated Determination of the DSEA, the City then anticipated that an Environmental Impact Statement would not be required and that the proposed action would not have significant effects on the environment warranting a "Finding of No Significant Impact."

The City agrees that it is premature to make a final judgment until all concerns are addressed. Our statement assuming that the project will have no significant impact to the environment is intended for the reviewers who request the anticipated outcome of our comprehensive evaluation. A final decision will not be made until all concerns received within the allotted time period are addressed.

2. Alternative method and modes of accomplishing the 2006 Modifications were analyzed in Chapter 3 Alternatives Considered of the DSEA. The 2006 Modifications to the existing facility configuration includes landscaping modifications, fuel tank change from 500-gallon underground to 1,000 gallon above ground diesel tank, force main replacement, and waiver from the rear yard setback requirement. The landscape modification was developed to improve the existing WWPS appearance in accordance with current City design standards with input from the City Division of Urban Forestry and a Tree Assessment Report by Steve Nimiz & Associates, LLC. The fuel tank change was also developed in accordance with current City design standards for fuel tanks to be placed above ground instead of underground and to operate the existing facility during major power outages. The waiver from the rear yard setback is required to accommodate a new generator room for a new diesel generator replacing the existing propane generator, in compliance with current City standards and City and Department of Health regulations. The above 2006 Modifications are proposed onsite to update the existing WWPS facility to comply with current City design standards and City and State regulations. The force main replacement onsite and offsite is required to address the potential for wastewater spills due to further deterioration of the existing force main and to ensure compliance with the Clean Water Act. After discussing and evaluating various realignment alternatives of the replacement force main and various construction alternative methods, it was concluded that the proposed alternative action of connecting to the Hawaii Kai SMH "0" and the construction alternative of open trench cut and cover were the most feasible for the project as discussed in Chapter 3 of the DSEA.

3. The City agrees with OHA's suggestion that the project area be landscaped with additional native or indigenous species. The existing coconut tree will be removed since it is a danger to public safety from falling coconuts and branches and will be replaced with a Hawaiian Fan Palm. An existing native kukui tree will be relocated to the front yard and an additional native specie, hula girl hibiscus hedge will be provided along a portion of the north property line.
4. Permits will be required for the project and are listed under Subsection 2.7 List of Required Permits of the DSEA. Included in the List under State of Hawaii Permits are: 1. National Pollution Discharge Elimination System (NPDES) General Permit for Construction Dewatering, Notice of Intent (NOI) Form G and 2. Chapter 55, Water Pollution Control, HAR, Title 11, State Department of Health permit. Army Corps of Engineers Clean Water Act Section 404 Rivers and Harbors Act Section 10 permits will not be required since work will not be performed in waters of the U.S. Based on the conclusion that no trenching or other construction in Kuapa Pond will be performed, the Department of the Army determined during the Final EA review process that an Army (DA) permit will not be required.
5. Regarding OHA's expressed concerns over the statement on page 4-10 of the DSEA which states that:

"Construction of the 2006 Modifications could result in short-term impacts on coastal resources and water quality resulting from silt runoff....Thus, these construction activities could result in localized silt runoff that has a potential to enter coastal waters having some short-term impact on water quality."

The paragraph was stated incompletely and continued in the DSEA as follows (Subsection 4.1.3 will be corrected to Subsection 4.1.2.3 on the Final DSEA):

"However, best management practices (BMP) as discussed in **Subsection 4.1.3 Probable Impacts from Construction Activity and Mitigative Measures** of this document will be incorporated into design plans and will be implemented by the Contractor to minimize the impacts of silt runoff on coastal waters.

"In addition, plans will be reviewed by pertinent governmental agencies for comments and approval prior to construction. Construction dewatering will also require coverage under the NPDES Permit system.

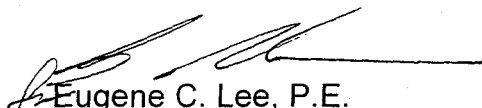
Therefore, impacts on coastal waters and water quality will be minimal or minor and short-term because the Contractor will employ approved measures to prevent silt runoff from construction areas along with complying with other permit conditions."

The impact on Kuapa Pond, the nearest water resource, will be minimal and short-term and will not impact boating activities. The impact on Maunalua Bay downstream of Kuapa Pond will be minor and not detectable and will not impact on surfing, canoeing and limu gathering and the habitat of the A'e'o (Hawaiian Stilt) at the Paiko Lagoon Wildlife Sanctuary.

6. The City shares OHA's concern over the potential for encountering cultural resources, including human burial, within the project area. We acknowledge that OHA appreciates that an effort was made to assess the impact on cultural resources as required under Hawaii Revised Statutes, Chapter 343, and that an archaeological monitor will be hired and work will stop and the State Historical Preservation Division will be contacted should iwi kūpuna or cultural artifacts be uncovered as discussed in Subsection 4.1.7 Historic, Archaeological and Cultural Resources in the DSEA.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,


Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843



August 1, 2007

MUFI HANNEMANN, Mayor


RANDALL Y. S. CHUNG, Chairman
SAMUEL T. HATA
ALLY J. PARK
ROBERT K. CUNDIFF
MARC C. TILKER

LAVERNE T. HIGA, Ex-Officio
BARRY FUKUNAGA, Ex-Officio

CLIFFORD P. LUM
Manager and Chief Engineer

DEAN A. NAKANO
Deputy Manager and Chief Engineer

TO: MS. KARLI M. MIYATA, WASTEWATER BRANCH
DEPARTMENT OF DESIGN AND CONSTRUCTION

FROM: 
KEITH S. SHIDA, PRINCIPAL EXECUTIVE
CUSTOMER CARE DIVISION

SUBJECT: LETTER DATED JULY 23, 2007 REGARDING DRAFT SUPPLEMENTAL
ENVIRONMENTAL ASSESSMENT (DSEA) FOR KULIOUOU
WASTEWATER PUMP STATION AND FORCE MAIN REPLACEMENT;
TMK: 3-08-04 AND 3-09-35 HONOLULU, HAWAII

Thank you for the opportunity to comment on the proposed project.

Our comments dated September 26, 2006, which are included in the assessment, are still applicable.

If you have any questions, please contact Robert Chun at 748-5440.

cc: Office of Environmental Quality Control
Mr. Howard K. Endo, Shimabukuro, Endo & Yoshizaki, Inc.

SHIMABUKURO, ENDO
& YOSHIZAKI, INC.

RECEIVED

AUG 6 2007

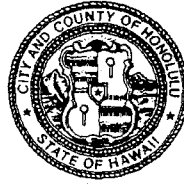
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DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
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MUFU HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

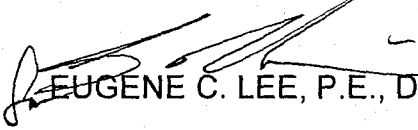
WW.PDE 07-133

August 8, 2007

MEMORANDUM

TO: CLIFFORD P. LUM, P.E., MANAGER AND CHIEF ENGINEER
BOARD OF WATER SUPPLY

ATTN: KEITH S. SHIDA, PRINCIPAL EXECUTIVE
CUSTOMER CARE DIVISION

FROM:  EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND FORCE MAIN
REPLACEMENT, TMK 3-08-04:79, 3-08-04 and 3-09-35
HONOLULU, HAWAII

Thank you for your letter of August 1, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject matter and your comments of September 26, 2006, which are included in the DSEA, are still applicable.

We have the following comments to your concerns:

1. The existing 2-1/2 inch water lateral with a 2-inch meter is presently adequate to accommodate the proposed project. This information was based upon current data; and, therefore, the Board of Water Supply (BWS) reserves the right to change any position or information stated therein up until the approval of the project building permit. The final decision on the availability of water will be confirmed when the building permit is submitted for approval.
2. The construction drawings will be submitted for BWS review and approval when completed.

Clifford P. Lum
Page 2
August 8, 2007

3. When water is made available, the applicant will be required to pay the BWS Water System Facilities Charges for resource development, transmission and daily storage, if applicable.
4. The project is subject to BWS Cross-Connection Control and Backflow Prevention requirements prior to the issuance of the building permit. An existing 2-inch backflow preventer is located on the 2-1/2-inch service line after the meter and a 3/4-inch atmospheric vacuum breaker will be installed before the new 3/4-inch drip irrigation line for backflow preventions.

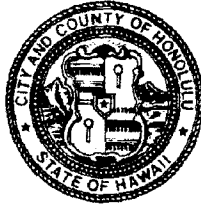
If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

DEPARTMENT OF FACILITY MAINTENANCE
CITY AND COUNTY OF HONOLULU

1000 Uluohia Street, Suite 215, Kapolei, Hawaii 96707
Phone: (808) 692-5054 • Fax: (808) 692-5857
Website: www.honolulu.gov

MUFI HANNEMANN
MAYOR



LAVERNE HIGA, P.E.
DIRECTOR AND CHIEF ENGINEER

GEORGE "KEOKI" MIYAMOTO
DEPUTY DIRECTOR

IN REPLY REFER TO:
DRM 07-781

August 29, 2007

MEMORANDUM

TO: EUGENE C. LEE, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTENTION: KARLI M. MIYATA, WASTEWATER BRANCH

FROM: *Laverne Higa*
LAVERNE HIGA, P.E., DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF FACILITY MAINTENANCE

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
KULIOUOU WASTEWATER PUMP STATION AND
FORCE MAIN REPLACEMENT, HONOLULU, HAWAII

Thank you for the opportunity to provide comments on the DSEA, dated July 2007, for the subject project.

We have no objections to the recommended conventional open trench method for the new force main installation within May Way and Kawaihae Street. A problem inherent with open trench construction is adequate compaction of the backfill. Therefore, we encourage the consideration of flowable fill or controlled low strength material for backfill material to mitigate the negative impact of inadequate compaction.

Returned for your use is the DSEA document.

Should you have any questions, please call Charles Pignataro of the Division of Road Maintenance, at 768-3697.

Attachment

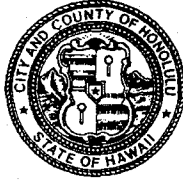
cc: Office of Environmental Quality Control
Attn: Genevieve Salmonson, Director

/Shimabukuro, Endo & Yoshizaki, Inc.
Attn: Howard K. Endo

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
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MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR


WW.PDE 07-165

September 14, 2007

MEMORANDUM

TO: LAVERNE HIGA, P.E., DIRECTOR AND CHIEF ENGINEER
DEPARTMENT OF FACILITY MAINTENANCE

ATTN.: CHARLES PIGNATARO
DIVISION OF ROAD MAINTENANCE

FROM: 
EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND
FORCE MAIN REPLACEMENT, TMK 3-8-04:79, 3-08-04 and 3-09-35
HONOLULU, HAWAII

Thank you for your memorandum of August 29, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and the Department of Facility Maintenance has no objections to the recommended conventional open trench method for the new force main installation within May Way and Kawaihae Street.

We have the following comment to your concern regarding the problem inherent with open trench construction of adequate compaction of the backfill. Placement of the trench backfill in accordance with the City's Standard Specification for Public Works Construction should provide adequate compaction of the backfill. Because of your concern, we will instruct the design engineers preparing the construction plans for the project during the design phase to consider flowable fill and controlled low strength material for backfill material of the open trench to mitigate the negative impact of inadequate compaction.

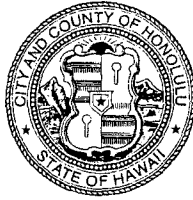
If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

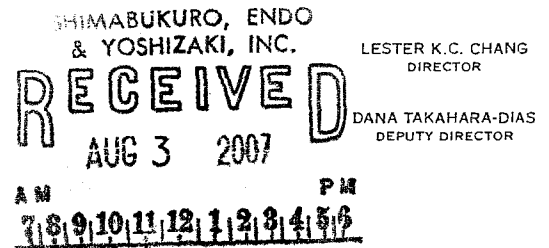
DEPARTMENT OF PARKS AND RECREATION
CITY AND COUNTY OF HONOLULU

KAPOLEI HALE • 1000 ULUOHIA STREET, SUITE 309 • KAPOLEI, HAWAII 96707
TELEPHONE: (808) 692-5561 • FAX: (808) 692-5131 • INTERNET: www.honolulu.gov

MUFI HANNEMANN
MAYOR



July 31, 2007



Mr. Howard K. Endo, Ph.D., P.E.
President
Shimabukuro, Endo & Yoshizaki, Inc
1126 12th Ave, Room 309
Honolulu, Hawaii 96816

Dear Mr. Endo:

Subject: Draft Supplemental Environmental Assessment for Kuliouou
Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35

Thank you for the opportunity to review and comment on the Draft
Supplemental Assessment relating to the Kuliouou Wastewater Pump Station and
Force Main Replacement.

The Department of Parks and Recreation has no comment and as this project
will not impact any program or facility of the department, you are invited to remove us
as a consulted party to the balance of the EIS process.

Should you have any questions, please contact Mr. John Reid, Planner, at
692-5454.

Sincerely,

A handwritten signature in black ink, appearing to read "Lester K. C. Chang".

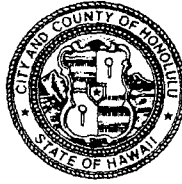
LESTER K. C. CHANG
Director

LKCC:mk
(218821)

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

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MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-131

August 8, 2007

MEMORANDUM

TO: LESTER K.C. CHANG, DIRECTOR
DEPARTMENT OF PARKS AND RECREATION

FROM:  EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND FORCE MAIN
REPLACEMENT, TMK 3-08-04:79, 3-08-04 and 3-09-35
HONOLULU, HAWAII

Thank you for your letter of July 31, 2007, to Howard K. Endo of Shimabukuro, Endo & Yoshizaki, Inc. regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

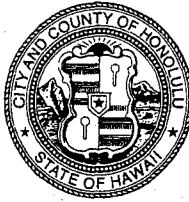
We acknowledge that you have reviewed the subject matter and the Department of Parks and Recreation has no comments. Since the project will not impact any program or facility of the department, we will remove the department as a consulted party to the balance of the EIS process as requested.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
TELEPHONE: (808) 768-8000 • FAX: (808) 527-6743
INTERNET: www.honolulu.gov • DEPT. WEB SITE: www.honoluludpp.org



MUFU HANNEMANN
MAYOR

HENRY ENG, FAICP
DIRECTOR

DAVID K. TANQUE
DEPUTY DIRECTOR



2007/ELOG-2037 (rys)

August 28, 2007

MEMORANDUM

TO: EUGENE C. LEE, DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTN: KARLI M. MIYATA, WASTEWATER BRANCH

FROM:  HENRY ENG, FAICP, DIRECTOR 
DEPARTMENT OF PLANNING AND PERMITTING

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA) FOR
KULIOUOU WASTEWATER PUMP STATION MODIFICATION AND FORCE
MAIN REPLACEMENT PROJECT; TMK: 3-08-04:79; 3-08-04 AND 3-09-35

This is in response to your consultant's July 23, 2007 letter, for review and comments for the Draft Supplemental Environmental Assessment (DSEA) for the proposed improvements to the Kuliouou Wastewater Pump Station (WWPS) Modification and Force Main (FM) Replacement Project.

We offer the following comments for your review and consideration for the Final SEA and the anticipated issuance of a "Finding of No Significant Impact" (FONSI):

1. A glossary, listing the abbreviations/acronyms and the definitions/items/entities represented would be helpful.
2. Page 1-3. Section 1.1.2 Supplemental Environment Assessment: Please revise the following sentences for clarification:
 - 2. Fuel tank change from a 500-gallon underground to a double walled 1,000 gallon steel above ground diesel tank, to replace the existing 250-gallon above ground propane tank.
 - 4. Waiver from rear yard (setback) requirement for construction of a new generator room to house the new and larger diesel generator.
3. Page 1-4. Table 1.1.3 Summary of Supplemental EA Information:
 - Land Area: The area for the WWPS is 10,842 square feet.

Eugene C. Lee, Director
Department of Design and Construction
August 28, 2007
Page 2

4. Pages 2-9 and 2-10. List of Required Permits.

- Please revise the first paragraph on page 2-9 to reflect that the waiver for the rear yard LUO requirement is a discretionary City permit.
- Page 2-10. City and County of Honolulu Permits: The waiver should be added to the list of required City permits.

5. Page 5-2. Section 5.4 East Honolulu Public Infrastructure Map: Please revise the first sentence to read "In accordance with ... the proposed 2006 WWPS Modifications and the Force Main Replacement will not ... this publicly funded project.

Thank you for the opportunity to comment on this matter. Should you have any questions, please contact Ray Sakai of our staff at 768-8042.

HE:js

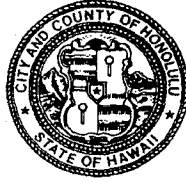
cc: Shimabukuro, Endo & Yoshizaki, Inc.
Attn: Howard K. Endo, Ph.D., P.E., President
Office of Environmental Quality Control
Attn: Laurence K. Lau, Acting Director

p:\DivFunction\EA-EIS\2007\2007ELOG2037.doc

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

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MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

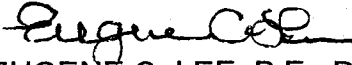
WW.PDE 07-157

September 12, 2007

MEMORANDUM

TO: HENRY ENG, FAICP, DIRECTOR
DEPARTMENT OF PLANNING AND PERMITTING

ATTN.: RAY SAKAI

FROM: 
EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND
FORCE MAIN REPLACEMENT, TMK 3-8-04:79, 3-08-04 and 3-09-35
HONOLULU, HAWAII

Thank you for your memorandum of August 28, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and have the following comments to your concerns:

1. A glossary listing the abbreviations/acronyms and definitions/items/entities represented in the DSEA would be helpful. However, a glossary was not included in the DSEA because the abbreviations/acronyms and definitions/items/entities represented in the DSEA were mostly of standard usage and where they may be misinterpreted or not understood, they were defined at initial usage. Since none of the responders of the DSEA commented on them, a glossary will not be included in the Final SEA.
2. Page 1-3. Section 1.1.2 Supplemental Environmental Assessment:
Items 2 and 4 will be revised for clarification in the Final SEA as follows:
 2. Fuel tank change from a 500-gallon underground to a double walled 1,000-gallon steel above ground diesel tank, to replace the existing 250-gallon above ground propane tank.

4. Waiver from a rear yard (setback) requirement for construction of a new generator room to house the new and larger diesel generator.
3. Page 1-4. Table 1.1.3 Summary of Supplemental EA Information: Land Area will be revised in the Final SEA as follows:

Land Area: Kuliouou WWPS lot is 10,842 square feet.

4. Pages 2-9 and 2-10. Section 2.7. List of Required Permits:

The first paragraph on page 2-9 will be revised in the Final SEA to reflect that the waiver for the rear yard LUO requirement is a discretionary City permit as follows:

The Final EA incorrectly concluded that there are no discretionary land use approvals required from the State or City such as a zone change, State land use district boundary amendment, or Special Management Area Use permit for the improvements proposed under the various phases being implemented for this project. Waiver from City LUO for requirement of rear yard setback of 15 feet is a discretionary City permit and will be required from the City DPP.

Page 2-10. City and County of Honolulu Permits will be revised in the Final SEA by the addition of the following:

5. Waiver from City Land Use Ordinance Rear Yard Setback Requirement.
5. Page 5-2. Section 5.4 East Honolulu Public Infrastructure Map: The first sentence will be revised in the Final EA to read as follows:

In accordance with Section 4-8.3 of the Revised Ordinances of Honolulu (Ordinance 02-03), the proposed 2006 WWPS Modifications and the Force Main Replacement will not require the addition of a symbol to the East Honolulu Public Infrastructure Map (PIM) for this publicly funded project.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 3RD FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8305 • Fax: (808) 523-4730 • Internet: www.honolulu.gov

MUFI HANNEMANN
MAYOR



MELVIN N. KAKU
DIRECTOR

RICHARD F. TORRES
DEPUTY DIRECTOR

TP7/07-218862R

September 17, 2007

MEMORANDUM

TO: EUGENE C. LEE, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTN: KARLI M. MIYATA, WASTEWATER BRANCH

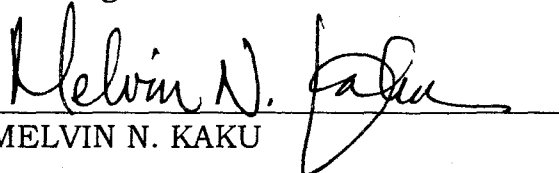
FROM: MELVIN N. KAKU, DIRECTOR

SUBJECT: KULIOUOU WASTEWATER PUMP STATION AND FORCE
MAIN REPLACEMENT

Thank you for the July 23, 2007 letter from Shimabukuro, Endo & Yoshizaki, Inc., requesting our review of and comments on the draft supplemental environmental assessment (EA) for the subject project.

The proposed force main replacement will affect TheBus stop and service on Kawaihae Street during the construction phase. As such, these impacts should be addressed and proposed mitigation measures discussed in the supplemental EA.

Should you have any questions regarding these comments, please contact Ms. Faith Miyamoto of the Transportation Planning Division at Local 8350.


MELVIN N. KAKU

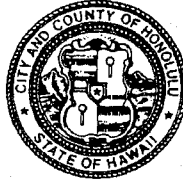
cc: Office of Environmental Quality Control

✓ Mr. Howard K. Endo
Shimabukuro, Endo & Yoshizaki, Inc.

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR


CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-172

September 24, 2007

MEMORANDUM

TO: MELVIN N. KAKU, DIRECTOR
DEPARTMENT OF TRANSPORTATION SERVICES

FROM:  EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND
FORCE MAIN REPLACEMENT, TMK 3-8-04:79, 3-08-04 and 3-09-35
HONOLULU, HAWAII

Thank you for your letter of September 17, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and have the following comments to your concerns:

We are aware that the construction of the proposed force main replacement will affect TheBus stop and service on Kawaihae Street and have included the following note in our project Plans:

"The Contractor shall notify Oahu Transit Services, Inc., (OTS-The Bus Contractor), Ed Sniffen (848-4571) or Lowell Tom (848-4578), two weeks prior to construction, informing them of location, scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stops."

In addition, we will address this impact in the Final Supplemental EA.

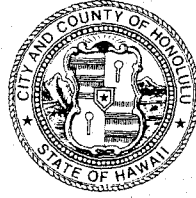
If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU

801 SOUTH BERETANIA STREET · HONOLULU, HAWAII 96813
TELEPHONE: (808) 529-3111 · INTERNET: www.honolulupd.org

MUFI HANNEMANN
MAYOR



BOISSE P. CORREA
CHIEF

GLEN R. KAJIYAMA
PAUL D. PUTZULU
DEPUTY CHIEFS

OUR REFERENCE BS-DK

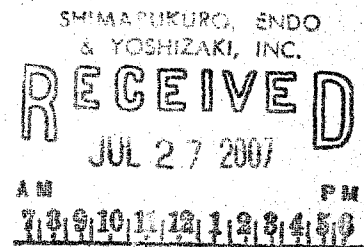
July 24, 2007

TO: EUGENE C. LEE, P.E., DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTENTION: KARLI M. MIYATA, WASTEWATER BRANCH

FROM: BOISSE P. CORREA, CHIEF OF POLICE
HONOLULU POLICE DEPARTMENT

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
KULIOUOU WASTEWATER PUMP STATION MODIFICATION AND
FORCE MAIN REPLACEMENT
TMK: 3-08-04: 79, 3-08-04, & 3-09-35



Thank you for the opportunity to review and comment on the subject project.

This project should have no significant impact on the facilities or operations of the Honolulu Police Department.

If there are any questions, please call Acting Major Robert Green of District 7 at 529-3362 or Mr. Brandon Stone of the Executive Office at 529-3644.

BOISSE P. CORREA
Chief of Police

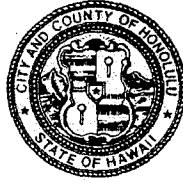
By *MAC Kenneth Simmons*
JOHN P. KERR
Assistant Chief of Police
Support Services Bureau

cc: OEQC
Shimabukuro, Endo & Yoshizaki, Inc.

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

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MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR


WW.PDE 07-125

August 6, 2007

MEMORANDUM

TO: BOISSE P. CORREA, CHIEF OF POLICE
HONOLULU POLICE DEPARTMENT

ATTN: JOHN P. KERR, ASSISTANT CHIEF OF POLICE
SUPPORT SERVICES BUREAU

FROM:  EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND FORCE MAIN
REPLACEMENT, TMK: 3-08-04:79, 3-08-04 AND 3-09-35
HONOLULU, HAWAII

Thank you for your letter of July 24, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project. We acknowledge that you have reviewed the subject matter and concluded that the project should have no significant impact on the facilities or operations of the Honolulu Police Department.

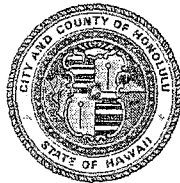
If you have further comments or concerns, please contact Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

HONOLULU FIRE DEPARTMENT
CITY AND COUNTY OF HONOLULU

636 South Street
Honolulu, Hawaii 96813-5007
Phone: 808-723-7139 Fax: 808-723-7111 Internet: www.honolulu.gov/hfd

MUFI HANNEMANN
MAYOR



KENNETH G. SILVA
FIRE CHIEF

ALVIN K. TOMITA
DEPUTY FIRE CHIEF

August 22, 2007

TO: EUGENE C. LEE, DIRECTOR
DEPARTMENT OF DESIGN AND CONSTRUCTION

ATTN: KARLI M. MIYATA, CIVIL ENGINEER
WASTEWATER DIVISION

FROM: ALVIN K. TOMITA, ACTING FIRE CHIEF

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT
KULIOUOU WASTEWATER PUMP STATION AND
FORCE MAIN REPLACEMENT
TAX MAP KEYS: 3-8-004: 079, 3-8-004, AND 3-9-035

In response to a letter from Shimabukuro, Endo & Yoshizaki, Inc. dated July 23, 2007, regarding the above-mentioned subject, the Honolulu Fire Department reviewed the material provided and has no additional comments. Please refer to our comments of October 4, 2006, which are included in the Draft Supplemental Environmental Assessment.

Should you have any questions, please call Battalion Chief Lloyd Rogers of our Fire Prevention Bureau at 723-7151.

A handwritten signature in cursive script, reading "Alvin K. Tomita".

ALVIN K. TOMITA
Acting Fire Chief

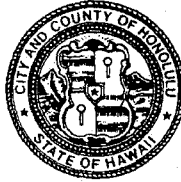
AKT/SK:bh

cc: Office of Environmental Quality Control
Howard K. Endo, Shimabukuro, Endo & Yoshizaki, Inc. ✓

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
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MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

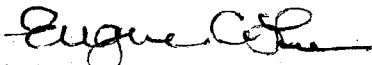
WW.PDE 07-158

September 12, 2007

MEMORANDUM

TO: KENNETH G. SILVA, CHIEF
HONOLULU FIRE DEPARTMENT

ATTN.: LLOYD ROGERS, BATTALION CHIEF
FIRE PREVENTION BUREAU

FROM: 
EUGENE C. LEE, P.E., DIRECTOR

SUBJECT: DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT (DSEA)
FOR KULIOUOU WASTEWATER PUMP STATION AND
FORCE MAIN REPLACEMENT, TMK 3-8-04:79, 3-08-04 and 3-09-35
HONOLULU, HAWAII

Thank you for your letter of August 22, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and the Honolulu Fire Departments has no additional comments.

We have the following comments to the concerns expressed in your letter of October 4, 2006 which was included in the DSEA:

1. Fire apparatus access throughout the construction site will be maintained as noted in paragraph 4.5.7 of the DSEA.
2. Access to fire hydrants will be maintained and Fire Communication Center at 523-4411 will be notified regarding any interruption of the existing fire hydrant system as noted in paragraph 4.5.3 of the DSEA.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

c: Howard K. Endo, SEY Engineers

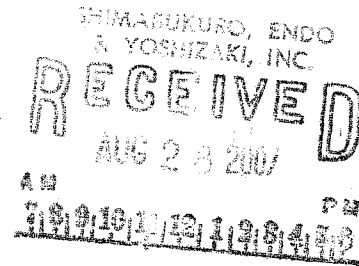


P.O. Box 3000
Honolulu, Hawaii 96802-3000

August 23, 2007

Shimabukuro, Endo & Yoshizaki, Inc.
Civil, Environmental & Structural Engineers
1126 12th Avenue, Room 309
Honolulu, Hawaii 96816-3715

Attention: Mr. Howard K. Endo, Ph.D., P.E.
President



Gentlemen:

Subject: Draft Environmental Assessment
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Please be advised that The Gas Company, LLC maintains underground utility gas mains in the project vicinity, which serves commercial and residential customers in the area. We would appreciate your consideration during the project planning and design process to minimize any potential conflicts with the existing gas facilities in the project area.

Thank you for the opportunity to comment on the Draft Environmental Assessment. Should there be any questions, or if additional information is desired, please call Kekoa Ramos at 594-5008.

Sincerely,

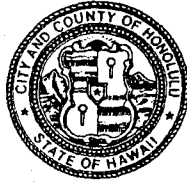
Charles E. Calvet, P.E.
Manager, Engineering

CEC:krs
07-166



DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
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Web site: www.honolulu.gov



MUFI HANNEMANN
MAYOR

EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-156

September 12, 2007

Mr. Charles E. Calvet, P.E.
Manager, Engineering
The Gas Company
P.O. Box 3000
Honolulu, Hawaii 96802-3000

Attention: Mr. Kekoa Ramos

Dear Mr. Calvet:

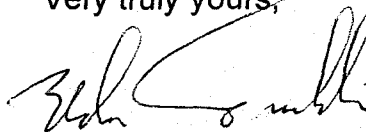
Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 23, 2007, regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We acknowledge that you have reviewed the subject document and are advised that The Gas Company, LLC maintains underground utility mains in the project vicinity which serves commercial and residential customers in the area. During the project planning and design process, we will minimize any potential conflicts with the existing gas facilities in the project area as requested.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,

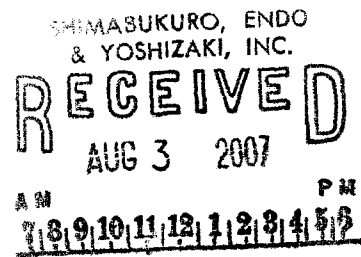

Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers

Hawaiian Telcom

August 1, 2007

Howard K. Endo, Ph.D., P.E.
Shimabukukuro, Endo & Yoshizaki, Inc.
1126 12th Avenue, Room 309
Honolulu, Hawaii 96819-3715



**Subject: Draft Supplemental Environmental Assessment for
Kuliouou Wastewater Pump Station Modification**

Dear Dr. Endo:

Thank you for allowing us to review and comment on the aforementioned document.

Hawaiian Telcom has both aerial and underground telecommunication facilities in the affected area. Our facilities are located in the road rights-of-way (ROW) along May Way, Makaniolu Place and Kawaihae Street, areas of the proposed force sewer main replacement. There are also facilities located inside the pump station property providing service. The electrical consultant drawings for the project should be submitted for our review, comment and approval when they are available.

If there are any questions, please feel free to contact Larry Jones at 546-1611.

Sincerely,

Jill Lee

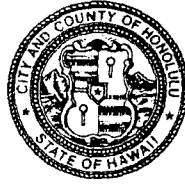
Manager-OSP Engineering, East & West Oahu

Cc: File (1185/Kokohead)
L. Jones

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 523-4567
Web site: www.honolulu.gov

MUFI HANNEMANN
MAYOR



EUGENE C. LEE, P.E.
DIRECTOR

CRAIG I. NISHIMURA, P.E.
DEPUTY DIRECTOR

WW.PDE 07-132

August 8, 2007

Ms. Jill Lee
OSP Engineer, East & West Oahu
Hawaiian TelCom
P.O. Box 2200
Honolulu, Hawaii 96841

Dear Ms. Lee:

Subject: Draft Supplemental Environmental Assessment (DSEA) for
Kuliouou Wastewater Pump Station and Force Main Replacement
TMK 3-08-04:79, 3-08-04 and 3-09-35
Honolulu, Hawaii

Thank you for your letter of August 1, 2007, to Howard K. Endo of Shimabukuro, Endo & Yoshizaki, Inc. regarding the DSEA for the proposed Kuliouou Wastewater Pump Station and Force Main Replacement project.

We have the following comments to your concerns:

1. We acknowledge that Hawaiian Telcom has both aerial and underground telecommunication facilities in the affected area. Your facilities are located in the road rights-of-way along May Way, Makaniolu Place, and Kawaihae Street, areas of the proposed sewer force main replacement. There are also facilities located inside the pump station property providing service. These facilities will be included on the project drawings.
2. The civil and electrical consultant drawings for the project will be submitted to Hawaiian Telcom for review, comment and approval when they are available as requested.

If you have further comments or concerns, please contact Ms. Karli Miyata at 768-8762.

Very truly yours,

for Eugene C. Lee, P.E.
Director

c: Howard K. Endo, SEY Engineers