BEFORE THE PLANNING COMMISSION
OF THE CITY AND COUNTY OF HONOLULU

STATE OF HAWAII

In the Matter of the Application of DEPARTMENT OF ENVIRONMENTAL SERVICES, CITY AND COUNTY OF HONOLULU For a New Special Use Permit to supersede Existing Special Use Permit to allow a 92.5-acre Expansion and Time Extension For Waimanalo Gulch Sanitary Landfill, Waimanalo Gulch, Oahu, Hawaii, Tax Map Key Nos. (1) 9-2-003:072 and 073	FILE NO. 2008/SUP-2 (RY) AND 86/SUP-5 DECLARATION OF GARY Y. TAKEUCHI; EXHIBITS "1" - "8"

DECLARATION OF GARY Y. TAKEUCHI

Declarant, GARY Y. TAKEUCHI, being first duly sworn on oath, hereby deposes and says:

1. I am an attorney licensed to practice law in all State and Federal Courts in the State of Hawaii, and I am one of the attorneys representing Applicant, Department of Environmental Services, City and County of Honolulu, in the above-captioned matter.

2. Attached hereto as Exhibit "1" is a true and correct copy of excerpts from the *Revised Environmental Impact Statement ["EIS"] for Leeward Sanitary Landfill at Waimanalo Gulch Site and Ohikilolo Site*, dated May 7, 1984 ("1984 REIS").

3. Attached hereto as Exhibit "2" is a true and correct copy of excerpts from the Final Addendum to the 1984 REIS entitled, *Final Addendum to Revised Environmental Impact Statement for Leeward District Sanitary Landfill at Waimanalo Gulch Site*, dated August 30, 1985.

4. Attached hereto as Exhibit "3" is a true and correct copy of excerpts from the *Revised Draft Supplemental Environmental Impact Statement, Waimanalo Gulch Sanitary Landfill Expansion, Waimanalo Gulch, Oahu, Hawaii*, dated May 2001 ("2001 RDEIS").

5. Attached hereto as Exhibit "4" is a true and correct copy of excerpts from the Appendix G, *Alternatives Analysis for Disposal of Municipal Refuse*, dated March 2001; Appendix G to the 2001 REIS.

6. Attached hereto as Exhibit "5" is a true and correct copy of excerpts from the *Final Supplemental Environmental Impact Statement (FEIS), Waimanalo Gulch Sanitary Landfill Expansion, Waimanalo Gulch, Oahu, Hawaii*, dated December 2002 ("2002 EIS").

7. Attached hereto as Exhibit "6" is a true and correct copy of excerpts from the *Alternatives Analysis for Disposal of Municipal Refuse*, dated December 2002; Appendix H to the 2002 FSEIS.

8. Attached hereto as Exhibit "7" is a true and correct copy of the letter from Henry Eng, Director of the Department of Planning and Permitting, to Katherine Puana Kealoha, Director of the Office of Environmental Quality Control, dated October 13, 2008.

9. Attached hereto as Exhibit "8" is a true and correct copy of the Office of Environmental Quality Control, State of Hawaii, *Draft and Final EIS Checklist.*

I, GARY Y. TAKEUCHI, do declare under penalty of law that the foregoing is true and correct.

DATED: Honolulu, Hawaii, July 6, 2009.

GARY Y. TAKEUCHI

LEEWARD DISTRICT SANITARY LANDFILL

Revised Environmental Impact Statement

PROPOSED PROJECT:	LEEWARD SANITARY LANDFILL
APPLICANT:	CITY AND COUNTY OF HONOLULU DEPARTMENT OF PUBLIC WORKS
DETERMINATION:	EIS REQUIRED
ACCEPTING AUTHORITY:	DEPARTMENT OF LAND UTILIZATION CITY & COUNTY OF HONOLULU
CONTACT:	FRANK J. DOYLE, CHIEF DIVISION OF REFUSE COLLECTION AND DISPOSAL DEPARTMENT OF PUBLIC WORKS City and County of Honolulu 650 South King Street Honolulu, Hawaii 96813 PHONE: (808) 527-5366 ATTENTION: John Lee

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ENGINEERING CONSULTANT:	STANLEY S. SHIMABUKURO AND ASSOCIATES, INC. 1126 12th Avenue Honolulu, Hawaii 96816 PHONE: (808) 737-1875 CONTACT: Stanley Shimabukuro, P.E.
ENVIRONMENTAL CONSULTANT:	ENVIRONMENT IMPACT STUDY CORP. 2850 Paa Street, Suite 202 Honolulu, Hawaii 96819 PHONE: (808) 833-7724 CONTACT: Marvin T. Miura, Ph.D.

EXHIBIT K100

CITY AND COUNTY OF HONOLULU

DEPARTMENT OF PUBLIC WORKS

REVISED ENVIRONMENTAL IMPACT STATEMENT

FOR

LEEWARD SANITARY LANDFILL

AT

WAIMANALO GULCH SITE
(TMK: 9-2-03 Por 13, 2, 40)

AND

OHIKILOLO SITE
(TMK: 8-3-01)

This environmental document is submitted pursuant to Chapter 343, HRS

Accepting Authority: Department of Land Utilization
City and County of Honolulu

Responsible Official: _____ 5-7-84
Michael J. Chun Date
Director & Chief
Engineer

Prepared by: Environment Impact
Study Corporation
Honolulu & Maui, Hawaii

EXHIBIT K100

1662

PROPOSED PROJECT:	LEEWARD SANITARY LANDFILL
APPLICANT:	CITY AND COUNTY OF HONOLULU DEPARTMENT OF PUBLIC WORKS
DETERMINATION:	EIS REQUIRED
ACCEPTING AUTHORITY:	DEPARTMENT OF LAND UTILIZATION CITY & COUNTY OF HONOLULU
CONTACT:	FRANK J. DOYLE, CHIEF DIVISION OF REFUSE COLLECTION AND DISPOSAL DEPARTMENT OF PUBLIC WORKS City and County of Honolulu 650 South King Street Honolulu, Hawaii 96813 PHONE: (808) 527-5366 ATTENTION: John Lee

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EXHIBIT K100

Summary

EXHIBIT K100
1673

SUMMARY

I. INTRODUCTION

The Department of Public Works proposes the development of the Leeward District Sanitary Landfill at Waimanalo Gulch and Ohikilolo to dispose of a portion of the 700,000 tons of refuse produced on Oahu annually.

Except for the amount disposed of at the Waipahu Incinerator, 120,000 tons per year, most of the refuse is disposed of at sanitary landfills. Until a resource recovery facility is constructed, sanitary landfilling of solid waste will continue to be the City's main method of refuse disposal.

Even with maximum use of resource recovery, sanitary landfilling will continue to be an important means of solid waste disposal because landfills will be used to dispose of the ash and residue produced by the resource recovery system and the unprocessable waste such as bulky items, demolition material, rock and soil. The landfills are also needed to serve as emergency backup facilities during shutdown of the resource recovery facility.

The City has a serious problem with the disposal of solid wastes. The existing sanitary landfills are nearly at capacity and new landfills are required to meet the needs of Oahu.

The Department of Public Works' objectives to meet the solid waste disposal problem on Oahu are: 1) to continue to operate a landfill in the Windward District to service the Windward side of the island and a portion of the heavily populated Honolulu district; 2) to construct a new landfill in Leeward Oahu to service the rapidly expanding Leeward area and a portion of the Honolulu District; and 3) to implement resource recovery as rapidly as possible.

The project will be designed to minimize significant environmental impacts during the construction and operational phases of the landfill. For example, leachate production will be minimized by installing a perimeter drainage system to divert storm water around the landfill. Leachate production is minimized by preventing water from entering the landfill. Also, monitoring wells and an collection system will be

installed as additional safeguards to immediately detect the production of leachate and to intercept the leachate before it can contaminate the ground water.

The landfill will be designed to control erosion by terracing and minimizing the slope. Also, siltation and debris basins will be installed to contain silt and debris on site.

II. WAIMANALO GULCH

A. SITE DATA

1. Location

In Waimanalo Gulch, 0.5 miles southeast of Kahe Valley, 1 mile northeast of Makaiwa Gulch, north/mauka of Farrington Gulch, north/mauka of Farrington Highway and 0.5 miles east of Kahe Point. See Figure 2-1.

2. Tax Map Key

9-2-03: 13, 40 and a portion of 2.

3. Total Area

260± acres.

4. Owners

James Campbell Trust Estate, Robert and Audrey Au, Raymond and Betty Au, Edward and Lai Fong Au, Hawaiian Electric Company, Inc.

5. Present Use of Land

Agricultural and open space.

6. City Zone District

Agriculture, AG-1.

7. Ewa Development Plan

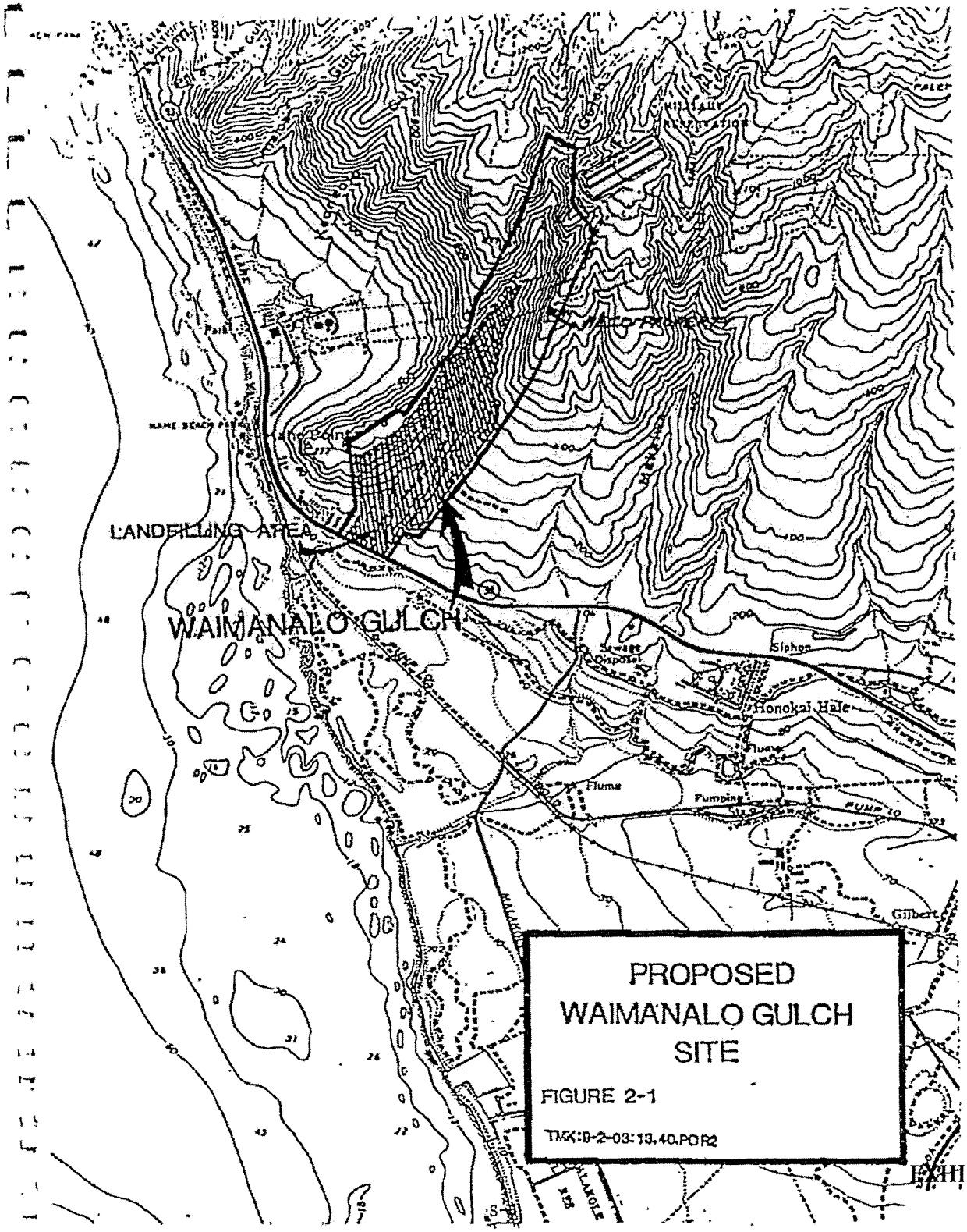
Agricultural

8. State Land Use District

Agriculture (Map 1)

9. Adjacent Land Uses, Zones, etc.

Industrial, Urban, Preservation.



PROPOSED
WAIMANALO GULCH
SITE

FIGURE 2-1

TMK: 9-2-03: 13, 40, POR2

10. Restrictions and Setbacks

Special Permit required from State for construction in Agricultural District and for access at Farrington Highway.

11. Existing Land Use of the Site

The project site contains vacant and undeveloped land. Two abandoned tunnels previously owned and occupied by the military are located at about elevation 275. Prior to 1960, the site was periodically used for cattle grazing. The site is presently unused.

12. Existing Land Use of the Adjacent Areas

Single-family dwellings are located adjacent to the project site. There are thirteen homes in the area (they are not located in the project boundary.) The existing Kahe Electric Power Plant is located approximately 3,000 feet northwest of the project site. Sugar cane fields are located directly south, across of Farrington Highway and a residential area (Hono Kai Hale) containing approximately 270 homes is located about one mile East and makai of the highway.

13. Historical and Archaeological

No sites are known to exist. An archaeological surface reconnaissance was conducted to determine the presence or absence of archaeological or historical sites.

14. Proximity to Population and Refuse Centers

Adjacent to an agricultural subdivision, 2 miles southeast of Nanakuli, 1 mile west of Honokai Hale and 20+ miles from Keehi Refuse Transfer Station.

B. Description of Site

1. Accessibility

Accessible from Farrington Highway. About 2,000+ feet of new access road required into site.

2. Topography

Long, narrow, well-defined, stony gulch about 1,500+ feet wide and 7,500 feet long. The lower end slopes at 8% and the upper end slopes at 18+%.

3. Soil Classification

Site consists of the following soils taken from the S.C.S. Soil Survey:

- Lualualei extremely stony clay, 3 to 35% slopes
- Rock land
- Stony steep land

4. Availability of Cover Material

Little available on site and must be imported.

5. Surface Drainage

Surface runoff from Waimanalo Gulch traverses site.

6. Ground Water Supply

Outside BWS ground water zone.

7. Existing Utilities

Except for sanitary sewer, utilities are available from Farrington Highway adjacent to site. HECO power lines cross upper and middle portion of the site.

C. SITE AS LANDFILL

1. Usable Area

80± acres.

2. Type of Operation

Combination of trench and area methods.

3. Capacity

6,000,000± cubic yards.

4. Life

7 ± years at a fill rate of 1,000 tons per day.

5. Land Use After Development

Open space, grass skiing, park.

D. ENVIRONMENTAL CONCERNS OF SITE

1. General Landfill Nuisances

Noise, dust, pests, odor, litter, etc., associated with landfill operations will be generated. Effective control measures can be installed to minimize landfill nuisances.

2. Visual Impacts

Site is highly visible to the public from Farrington Highway, from the subdivision adjacent to the site and from

the proposed West Beach development. Landscaping prior to, during and after landfilling operations will minimize visual impacts.

3. Ground Water Impacts

No protection measures required. Area is not a source of ground water supply. Leachate collection system will be incorporated into the landfill design as a precautionary measure.

4. Surface Drainage Works

Major site drain system must be constructed to route surface runoff from Waimanalo Gulch around the site and to minimize surface runoff infiltration.

5. Destruction of Natural Resources

Land and natural vegetation will be committed to landfill. However, the site can be reverted to open space after landfill operations are completed.

6. Displacement

None. Landfill will be constructed adjacent to existing agricultural residences.

7. Other Environmental Concerns

Traffic will increase on Farrington Highway and the addition of an intersection may increase traffic hazards unless properly designed.

Impacts on flora and fauna are not expected to be significant and these and other concerns will be discussed in an environmental impact statement.

8. Safety

Operational hazard to the public is minimal.

9. Objections by Owner and Adjacent Landowners

Opposition from the nearby residents can be expected. Adjoining communities and organizations may also express their objections.

E. Site Preparation for Landfill

1. Access Road

Improvements must be constructed on Farrington Highway to provide a safe intersection. About 1,000+ feet of new access road must be constructed on the site.