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GOVERNOR OF HAWAII

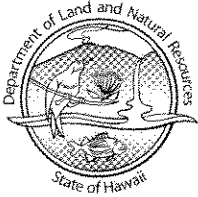


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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

ENGINEERING DIVISION
PO BOX 373
HONOLULU, HAWAII 96809

JUL -8 2005

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

05 JUL 13 09:08

RECEIVED

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

SUBJECT: FINDING OF NO SIGNIFICANT IMPACT (FONSI) FOR KAPAA
HOMESTEADS WELL NO. 3, TMK 4-5-015: 006 (PORTION), KAWAIHAI,
KAUAI, HAWAII

Dear Ms. Salmonson:

The State of Hawaii Department of Land and Natural Resources, Engineering Division has reviewed the comments received during the 30-day public comment period which began on September 23, 2004. The Department of Land and Natural Resources, Engineering Division has determined that this project will not have significant environmental effects and has issued a Finding of No Significant Impact (FONSI). Please publish this notice in the next edition of the OEQC Environmental Notice.

We have enclosed the following items:

1. Two hard copies and one CD (PDF) of the final environmental assessment; and
2. Completed publication form (also to be emailed).

If you have any questions regarding the project, please call Mr. Roger Masuoka of our staff at 587-0276.

Sincerely,

ERIC T. HIRANO
Chief Engineer

RM:
Enclosures

FINAL ENVIRONMENTAL ASSESSMENT / FONSI
Kapa'a Homesteads Well No. 3
KAPA'A, KAUAI

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

Prepared for:
Akinaka & Associates, Inc.

Prepared by:



July 2005

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1.0 PROJECT SUMMARY

1.1 PROJECT PROFILE

Project:	Kapa'a Homesteads Well No. 3
Proposing Agency	State of Hawai'i Department of Land and Natural Resources Engineering Division P.O. Box 373 Honolulu, Hawai'i 96809
Approving Agency:	State of Hawai'i, Department of Land and Natural Resources
Location:	Kapa'a, Kaua'i (Figure 1)
Proposed Action:	Develop a permanent well in order to provide an additional source of water for State-sponsored projects in Kapa'a.
Tax Map Key:	4-5-015: 006 (portion) (Figure 2)
Land Area:	1.364 acres
Landowner	State of Hawai'i, Department of Land and Natural Resources
Present Use:	Existing exploratory well
State Land Use District:	Urban District (Figure 3)
Kaua'i County Zone:	Open Zone (Figure 4)
Special Management Area:	Not Applicable
Determination:	Finding of No Significant Impact (FONSI)

1.2 REQUIRED PERMITS AND APPROVALS

For the proposed project, the applicant may be required to obtain approvals and permits listed in the following table.

KAPA'A HOMESTEADS WELL NO. 3
FINAL ENVIRONMENTAL ASSESSMENT/FONSI

PERMIT/APPROVAL	RESPONSIBLE AGENCY
National Pollutant Discharge Elimination System (NPDES) Permit	
Noise Permit	State of Hawai'i, Department of Health – Noise, Radiation and Indoor Air Quality Branch
Construction-related Permits	County of Kaua'i, Planning Department
Review of Construction Drawings, Review and Approval of Traffic Control Plan, Street Usage Permits	County of Kaua'i, Planning Department
Open Zone Use Permit	County of Kaua'i, Planning Department
Class IV Zoning Permit	County of Kaua'i, Planning Department

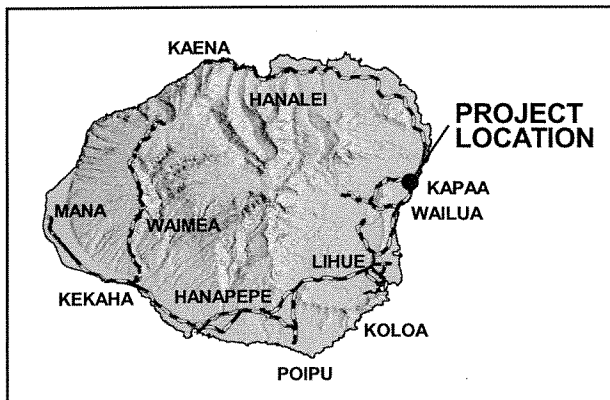


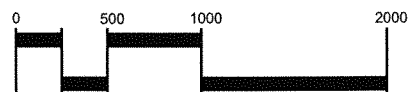
Figure 1
Location Map
Kapaa Homesteads Well No.3

ISLAND OF KAUAI

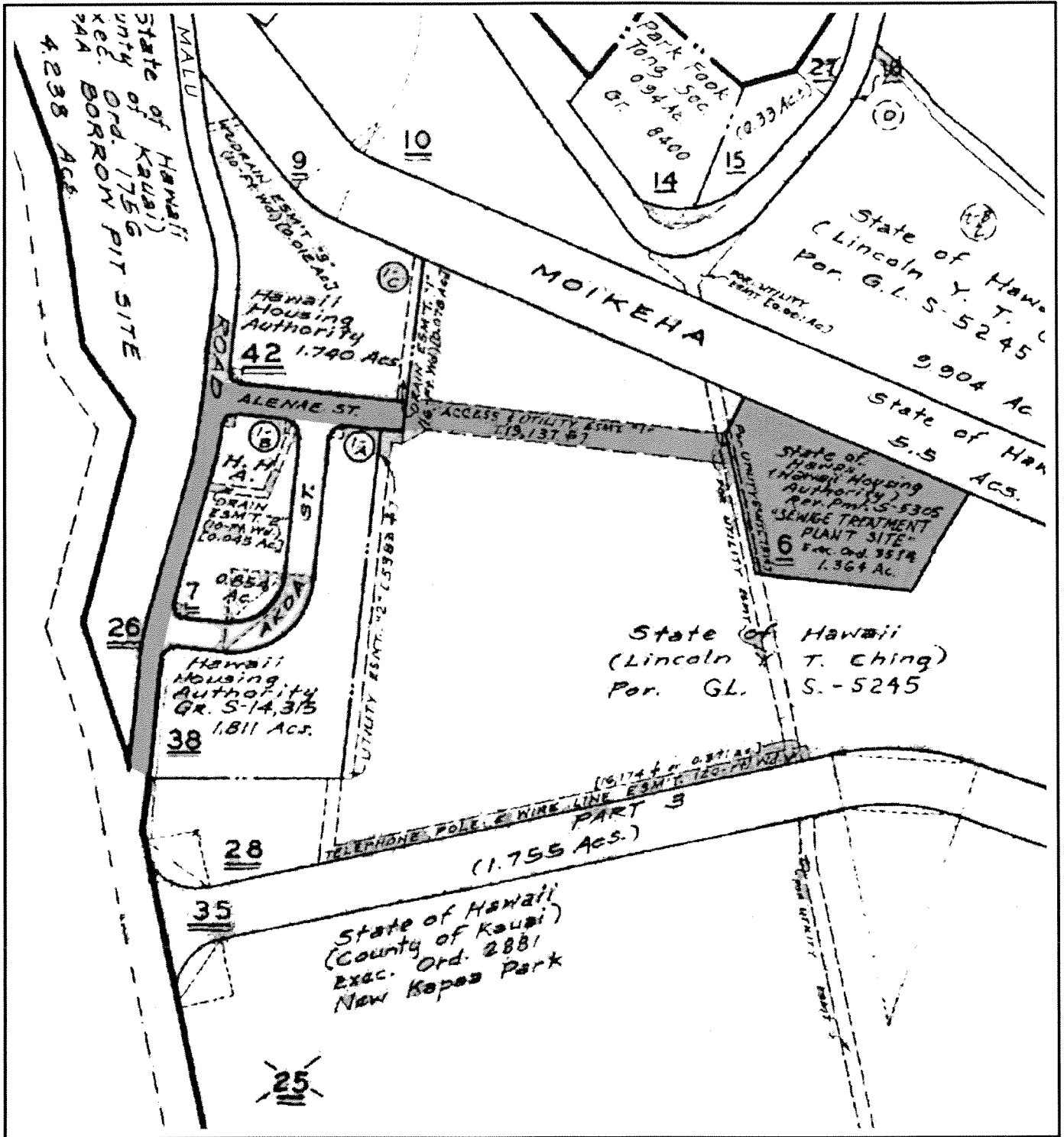
NORTH



LINEAL SCALE (FEET)



MAY 2004

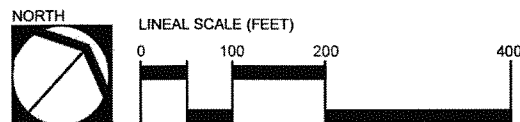


LEGEND

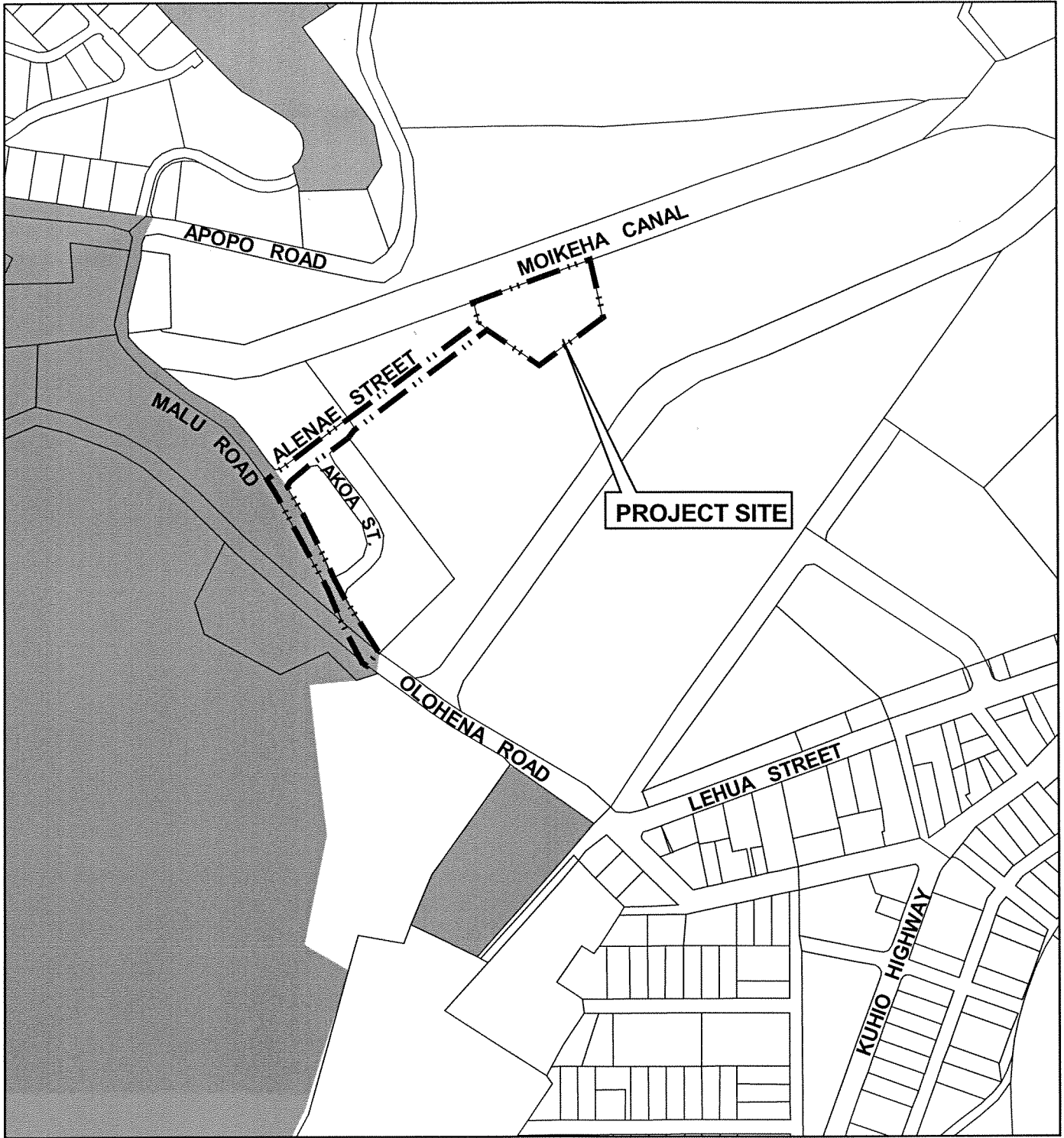
Project Site

TAXATION MAPS BUREAU		
TERRITORY OF HAWAII		
TAX MAP		
FOURTH DIVISION		
ZONE	SEC.	PLAT
4	5	15
CONTAINING PARCELS		



Figure 2
 Tax Map Key
 Kapaa Homesteads Well No.3
 ISLAND OF KAUAI





May 2004



LEGEND

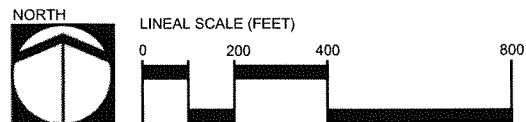
-  Project Site Boundary
-  TMK Parcel Boundary

State Land Use Designation
(Approximate)

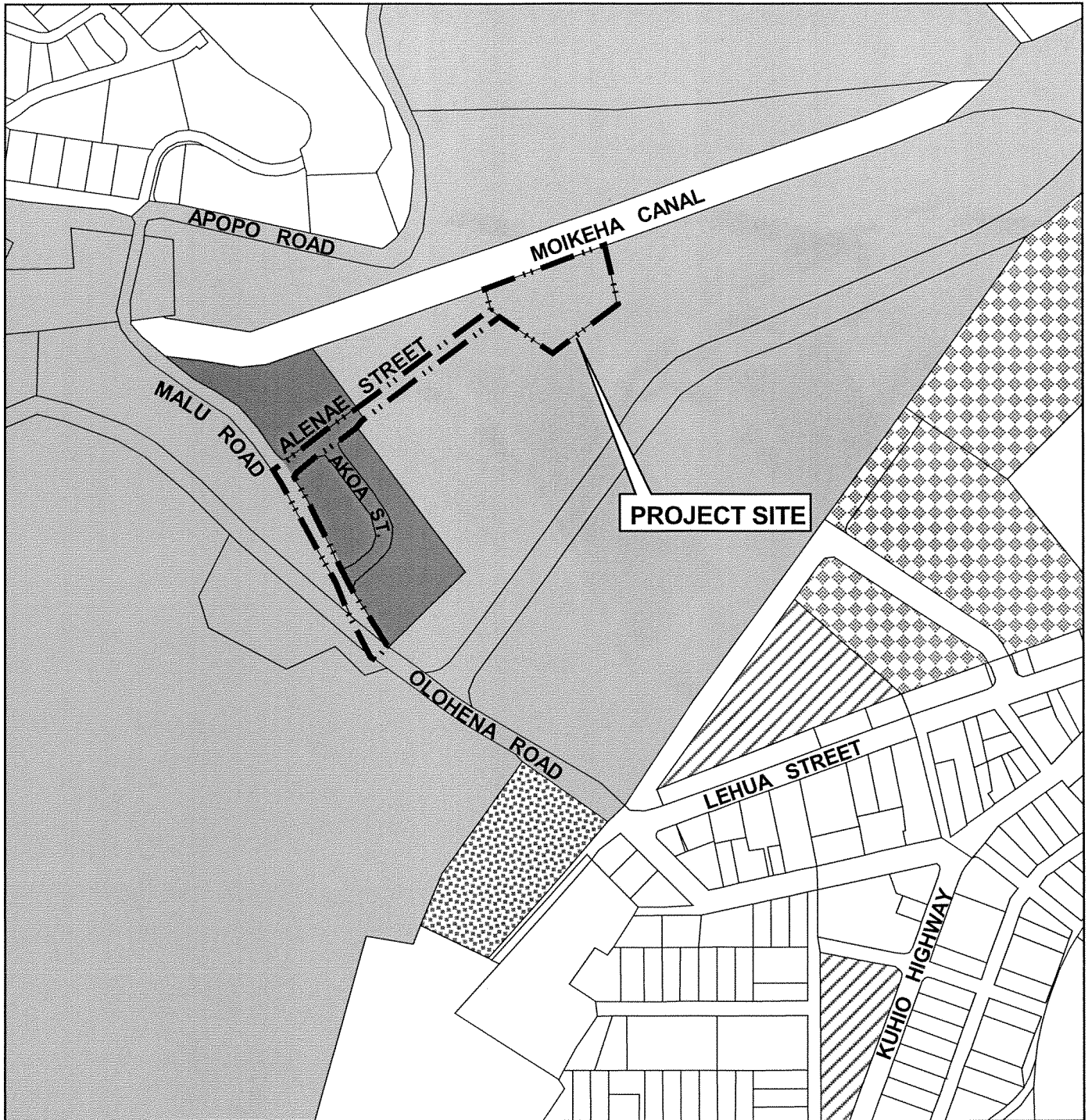
-  Agricultural
-  Urban

SOURCE:
-THE STATE OF HAWAII GIS DATABASE

Figure 3
State Land Use Designation
Kapaa Homesteads Well No.3
ISLAND OF KAUAI










May 2004



LEGEND

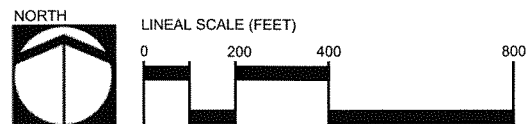
Kauai County Zoning Districts
(Approximate)

-  A: Agriculture
-  I-L: Industrial
-  O: Open
-  R-10: Residential
-  ST-P: Special Treatment

-  Project Site Boundary
-  TMK Parcel Boundary

SOURCE:
-THE COUNTY OF KAUAI
-THE STATE OF HAWAII GIS DATABASE

Figure 4
Kauai County Zoning
Kapaa Homesteads Well No. 3
ISLAND OF KAUAI



May 2004

2.0 DESCRIPTION OF THE PROPOSED ACTION

The State of Hawai'i, Department of Land and Natural Resources (DLNR) proposes to develop a permanent well on the site of an existing exploratory well (State Well No. 0519-04) in Kapa'a on the island of Kaua'i. The existing exploratory well has been drilled, cased, and pump tested at the site to determine the quantity and quality of water produced from the well. Since the test results are acceptable, the well will be outfitted and converted into a production well. This chapter provides technical, economic, social, and environmental characteristics of the proposed action.

2.1 TECHNICAL CHARACTERISTICS

2.1.1 Purpose of the Project

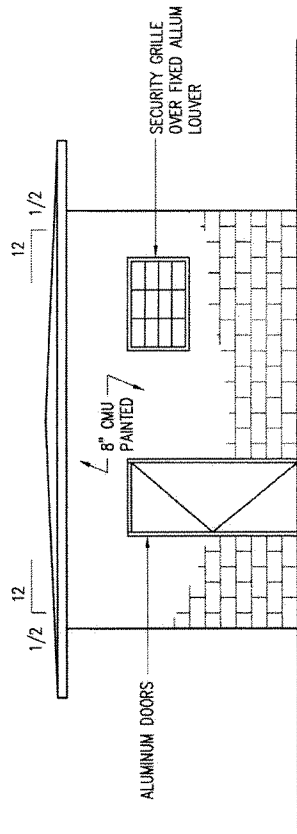
The Kapa'a area of Kaua'i is experiencing rapid growth. The demand for water continues to put pressure on the existing water system serving the area. With the increase in residents and visitors to the region, there is also an increased demand for State-sponsored projects, including schools, government housing, agricultural subdivisions, and harbor facilities. When implemented, these projects will require a significant demand for water, which the State is responsible for providing.

An exploratory well has been drilled at the site to find the required water source. The well has been drilled and cased, and pump tests have been conducted to determine the quantity and quality of the source. Since the exploratory well has proven to be successful, it will be outfitted and converted into a production well, which will help to meet the existing and future water needs for the region. This will involve leaving the test pump in or installing a permanent pump, outfitting the pump with appurtenances (pipe, valves, controls, etc.), and constructing a pump house (Figure 5).

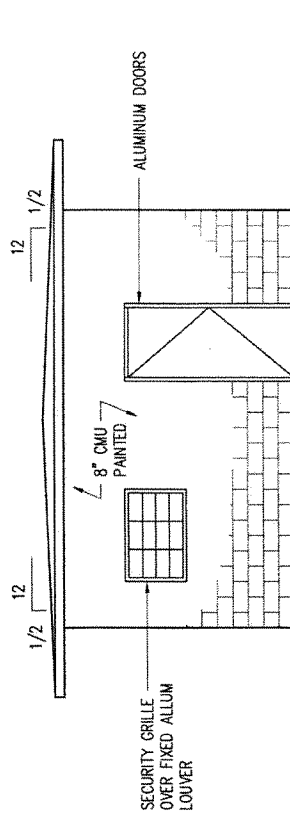
The County of Kaua'i Department of Water (KDOW) has identified a need for a computer based Supervisory Control and Data Acquisition (SCADA) system to monitor and control 85 remote water distribution facilities via remote terminal units (RTUs).

The SCADA master station, based at KDOW's office complex in Lihu'e, will provide the central control and monitoring functions. The central station will connect the various submaster sites, collecting and controlling each water station's status. Nine of the remote sites are submaster sites communicating over a wide area network via the phone company's (Hawaiian Telcom) land lines to the KDOW's Lihu'e central station. These nine submaster sites will communicate with the remaining remote facilities via radio. The antenna installations at most of the sites can be accomplished without exceeding any of the height limitations. However, due to the geographic conditions of six of the sites, communications with the remote water facilities (wells, tanks, etc.) cannot be accomplished without installing the antenna higher than those permitted by the land use designations. Further, KDOW recognizes that the island is susceptible to hurricanes, and with water being one of the essential items for the island's recovery, the masts holding the antenna are designed to withstand hurricane strength winds and will be built larger than minimally acceptable.

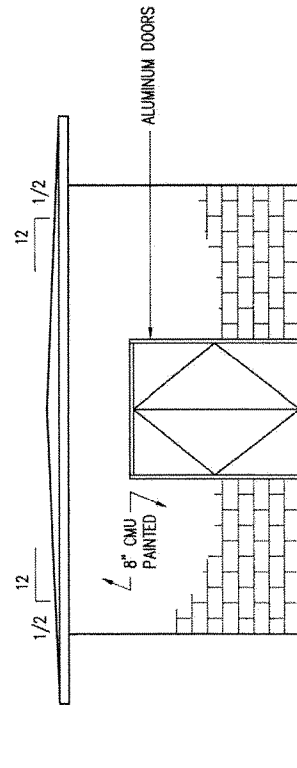
The Kapa'a Homesteads Well No. 3 project will also include the installation of a future remote control station for KDOW's SCADA system. This SCADA station will monitor and control the well pump and associated control valves using a 900 MHz spread spectrum radio system. To accomplish this, the radio antenna needs to be high enough to communicate with other KDOW facilities (i.e., Ornellas



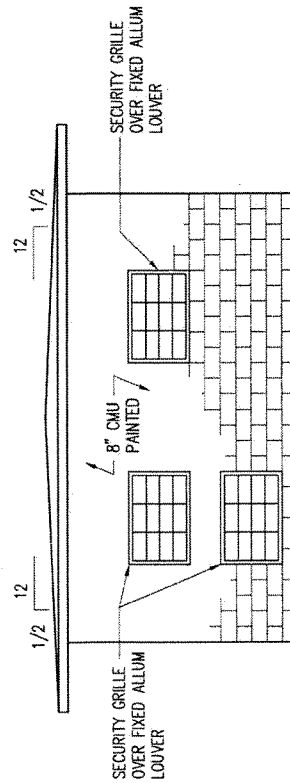
NORTH



SOUTH



WEST



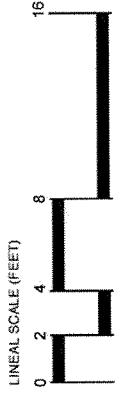
EAST

Figure 5
 Building Elevation
 Kapaa Homesteads Well No.3

ISLAND OF KAUAI



May 2004



SOURCE:
 -AKINAKA & ASSOCIATES, LTD.

KAPA'A HOMESTEADS WELL NO. 3

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Tank, etc.) KDOW's SCADA consultant will be conducting an extensive study of the communication system; however, preliminarily, an (yagi) antenna mounted at a height of 20 feet above this site, off a 2.5-inch rigid steel pipe, should be sufficient.

2.1.2 Physical Characteristics

The proposed project site is located just inland of Kapa'a Town, *mauka* of Kūhiō Highway and adjacent to the Moikeha Canal on the island of Kaua'i (Figure 1). The DLNR controls and manages the 1.346-acre parcel, which is identified by Tax Map Key 4-5-015: 006 (portion) (Figure 2).

The site is within the Urban State Land Use District (Figure 3) and the County's Open Zone (Figure 4). It is not located within the Special Management Area (SMA).

2.1.3 Construction Timetable and Funding Source

Installation of the permanent well is estimated to commence as soon as the necessary permits are secured and take approximately nine months to complete.

The preliminary cost estimate for the permanent well is approximately \$246,750. The source of funding for this phase of the project is State Appropriation, Act 287, SLH 1996, Item A-25A. No Federal monies are involved.

2.2 ECONOMIC AND SOCIAL CHARACTERISTICS

The Kapa'a region is experiencing growth in both residents and visitors. To serve this growth, retail establishments and residential communities are being developed along of Kūhiō Highway as it passes through Kapa'a Town. In addition, the State has proposed improvement projects to support growth.

On a short-term basis, the proposed project will support construction and construction-related employment. On a long-term basis, successful development of the proposed well will add a new water source and improve the infrastructure that serves the current population as well as the planned growth in the Kapa'a area. This growth will contribute economic benefits such as new jobs and income. As a result, the State will receive increased revenues from income, property, and sales taxes.

2.3 ENVIRONMENTAL CHARACTERISTICS

In general, there are no environmentally unique characteristics associated with the project site. The proposed project is primarily surrounded by pastureland, and work will not disrupt residential areas. Furthermore, the project site is not located within the Special Management Area (SMA).

KAPA'A HOMESTEADS WELL NO. 3
FINAL ENVIRONMENTAL ASSESSMENT/FONSI

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3.0 DESCRIPTION OF THE AFFECTED ENVIRONMENT, POTENTIAL IMPACTS, AND MITIGATIVE MEASURES

3.1 PHYSICAL SETTING

The proposed project site is located approximately 2,400 feet from the coast near Kapa'a Town on the inland edge of an alluvial coastal plain. The immediate surrounding area is primarily pastureland. Moikeha Canal lies to the north of the project site. To the south of the site are the New Kapa'a Park, Hawai'i National Guard Armory, and Kūhiō Highway. The Housing and Community Development Corporation of Hawai'i (HCDCH) housing units are located further west of the project site.

3.1.1 Existing Uses

The Kapa'a Sewage Treatment Plant Injection Well (State Well No. 0519-01) was originally proposed as an injection well for abandoned sewage treatment plant by HCDCH. Roscoe Moss Company completed drilling of the well on November 6, 1986. The well was drilled to a depth of 221 feet below the existing ground surface, and has 150 feet of 8-inch diameter steel casing (mid-section perforated) and 71 feet of 8-inch open hole. It was capped and never used because it was found to have an artesian head of 12 feet, which is approximately four feet above the well's ground elevation of 8.25 feet. The treatment plant was later abandoned when residents served by this treatment plant connected to the County sewer line.

Subsequently, in September 1997, the County of Kaua'i Department of Water (KDOW) contacted HCDCH and expressed their interest in developing the well into a potable water source. HCDCH agreed to have KDOW test the well water for quantity and quality. KDOW agreed to submit a request to use the well and negotiate an agreement with the State, only if the tests proved favorable. KDOW hired Oasis Water Systems to conduct pump and water quality tests on the well. The pump test was conducted in June 2002, and the water quality analysis was conducted in August 2002. Test results were favorable, indicating that this location was suitable for water resources development. However, the well was too small to be developed into a municipal well. As a result, KDOW would need to drill a larger diameter well for water resources development.

In September 2002, KDOW proposed that DLNR relocate its Kapa'a Homesteads Exploratory Well No. 3 to the treatment plant site, after learning that DLNR was unable to obtain a right-of-entry to its proposed site from the landowner, Lihue Plantation. DLNR agreed to relocate the well to the currently proposed site (shown in Figures 1 and 2). DLNR awarded Oasis Water System the contract to drill the existing exploratory well on the site.

3.1.2 Surrounding Uses

The land in the vicinity of the project site is primarily used as pastureland. The Moikeha Canal lies to the north of the site, as well as additional pastureland. Further west of the site, beyond the pastureland, are HCDCH housing units. To the south of the project site are the New Kapa'a Park, Hawai'i National Guard Armory, and Kūhiō Highway.

KAPA'A HOMESTEADS WELL NO. 3

FINAL ENVIRONMENTAL ASSESSMENT/FONSI

There are several additional wells located in the vicinity of the property, including Kapa'a Shaft, Kapa'a-Wailua Well, Kapa'a Cannery Well, R.W.R Well, and the five Mahelona Hospital Wells. (Figure 6) The Kapa'a Shaft is owned by Lihue Plantation and is not in use. Kapa'a-Wailua Well is owned by the County. It was previously used for disposal but is no longer in use. Kapa'a Cannery Well is owned by Hawaiian Frontier Parks, however no data is available on this well. R.W.R Well is a proposed domestic well being developed by its owner, Ronald W. Russell. Four of the Mahelona Hospital Wells, owned by the State Department of Health, are being used by the hospital for disposal; however, these wells are located down gradient of the property and should not impact the proposed well site. The fifth well is used as an observation well.

3.1.3 Climate

The climate of the Kapa'a area is mild, with average monthly temperatures ranging from 72 degrees Fahrenheit in the winter to 80 degrees Fahrenheit in the summer. The winds are from the northeast and the mean annual rainfall for the area is 60 to 80 inches.

Potential Impacts and Mitigative Measures

The proposed action will have no effect on climatic conditions and no mitigative measures are necessary.

3.1.4 Topography and Geology

The island of Kaua'i is generally circular in shape with an average diametric width of 30 miles. It is what remains of a huge shield volcano known as Mount Wai'ale'ale. This shield volcano still dominates the higher central mountainous sector. Except for approximately 10 miles of sea cliffs along the northwesterly Nāpali Coast, the overall terrain rises gently inland from relatively flat coastal plains to the slopes of Mount Wai'ale'ale. The project site is located at the inland edge of an alluvial coastal plain, approximately 2,400 feet from the coast at an elevation of approximately 8.0 feet above mean sea level (MSL). Moikeha Canal flows north of the project site to the coast.

Two basic volcanic rocks dominate the geology of the island of Kaua'i, the Kōloa and Waimea volcanic series. The Kōloa volcanic series is distributed in the eastern section of the island and dominates the geologic formation of the project site. This volcanic series is much younger in age than the Waimea series, and is defined as a series of volcanic rocks laid down on the rocks of the Waimea series after a long period of erosion. Its structure is complex, which results from the various constituencies of basalts, cinder, and bed layers, intermingled with permeable and fractured gravel materials.

Potential Impacts and Mitigative Measures

No major alterations to the topography of the project site will occur; thus, no mitigative measures are necessary.

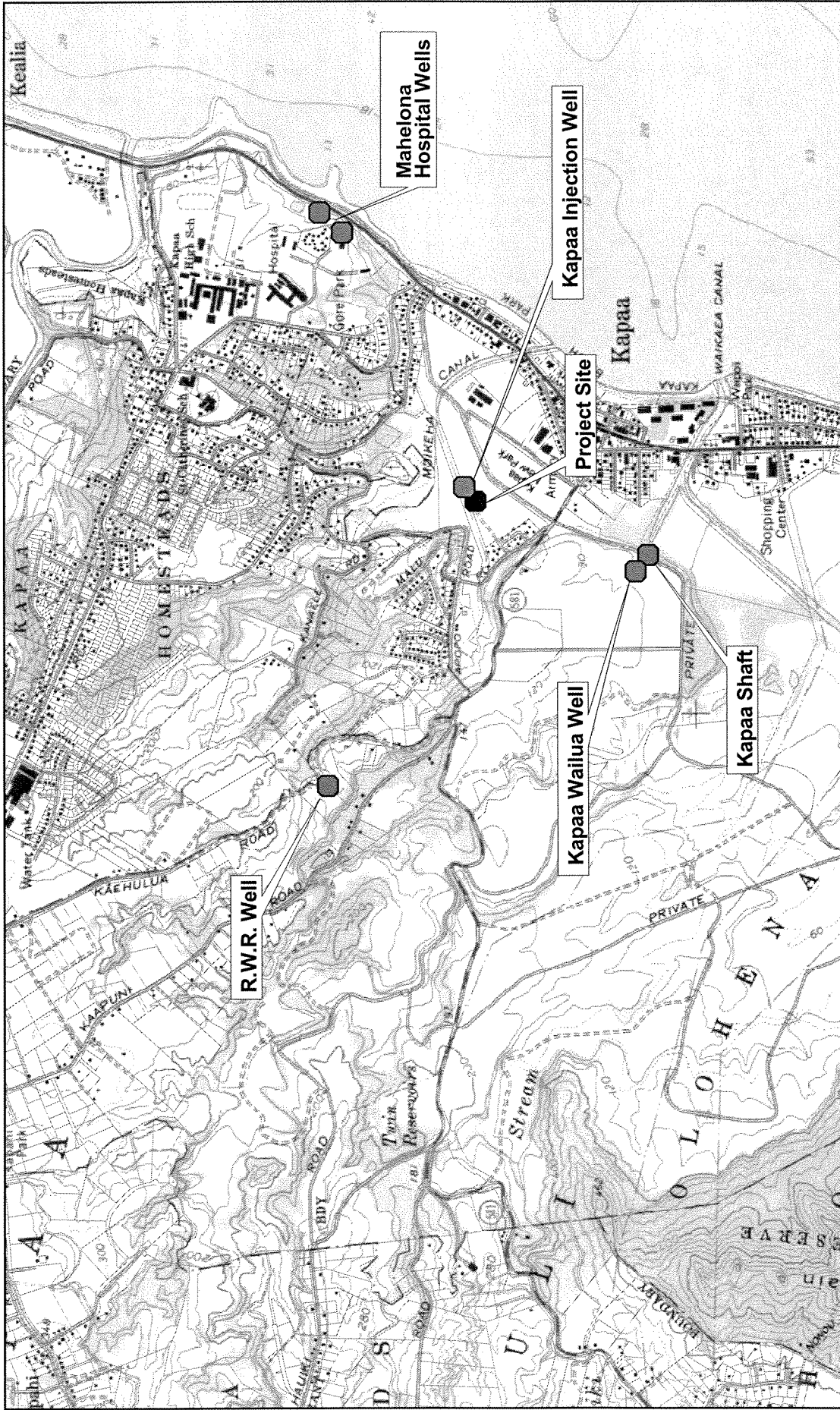
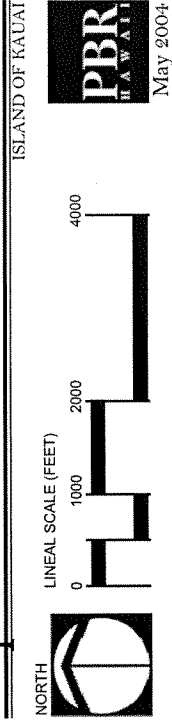


Figure 6
 Location of Wells within Project Vicinity
 Kapaa Homesteads Well No. 3



- LEGEND**
- Project Site
 - Vicinity Well Sites
 - TMK Parcel Boundary

SOURCE:
 -U.S. GEOLOGICAL SURVEY
 -THE STATE DEPT. OF LAND AND NATURAL RESOURCES
 -THE STATE OF HAWAII GIS DATABASE

3.1.5 Soil Characteristics

The U.S. Natural Resources Conservation Service classifies the soil on the project site as Mokolē'ia clay loam, poorly drained variant (Mta) (Figure 7). This soil is nearly level and poorly drained. The surface layer is dark brown to black and is mottled. This soil type is suitable for agriculture.

Potential Impacts and Mitigative Measures

Once construction is completed, the proposed action will not have an adverse impact upon the project site and surrounding properties; thus, no long-term mitigative measures are necessary.

3.1.6 Hydrology and Stream Resources

The proposed well will tap a fresh water basal aquifer in Kōloa lavas protected from serious salt water intrusion by a thick caprock of low permeability clays interspersed with coral layers. The caprock formation is approximately 140 feet thick at the well, and extends to a depth of at least 480 feet below sea level seaward of the well site. These deposits were formed as a result of eustatic changes in sea level associated with glacial and inter-glacial periods during the Pleistocene.

The proposed well is anticipated to have an artesian head of approximately 11 to 12 feet, which is three to four feet above the well's ground elevation of 8 feet.

Moikeha Canal lies to the north of the project site. The canal flows from a drainage basin that includes large areas of agricultural, dairy grazing, and residential uses. These uses generate agricultural, livestock, and urban runoff. Therefore, the quality of the canal water is expected to be lower than the quality of the well water.

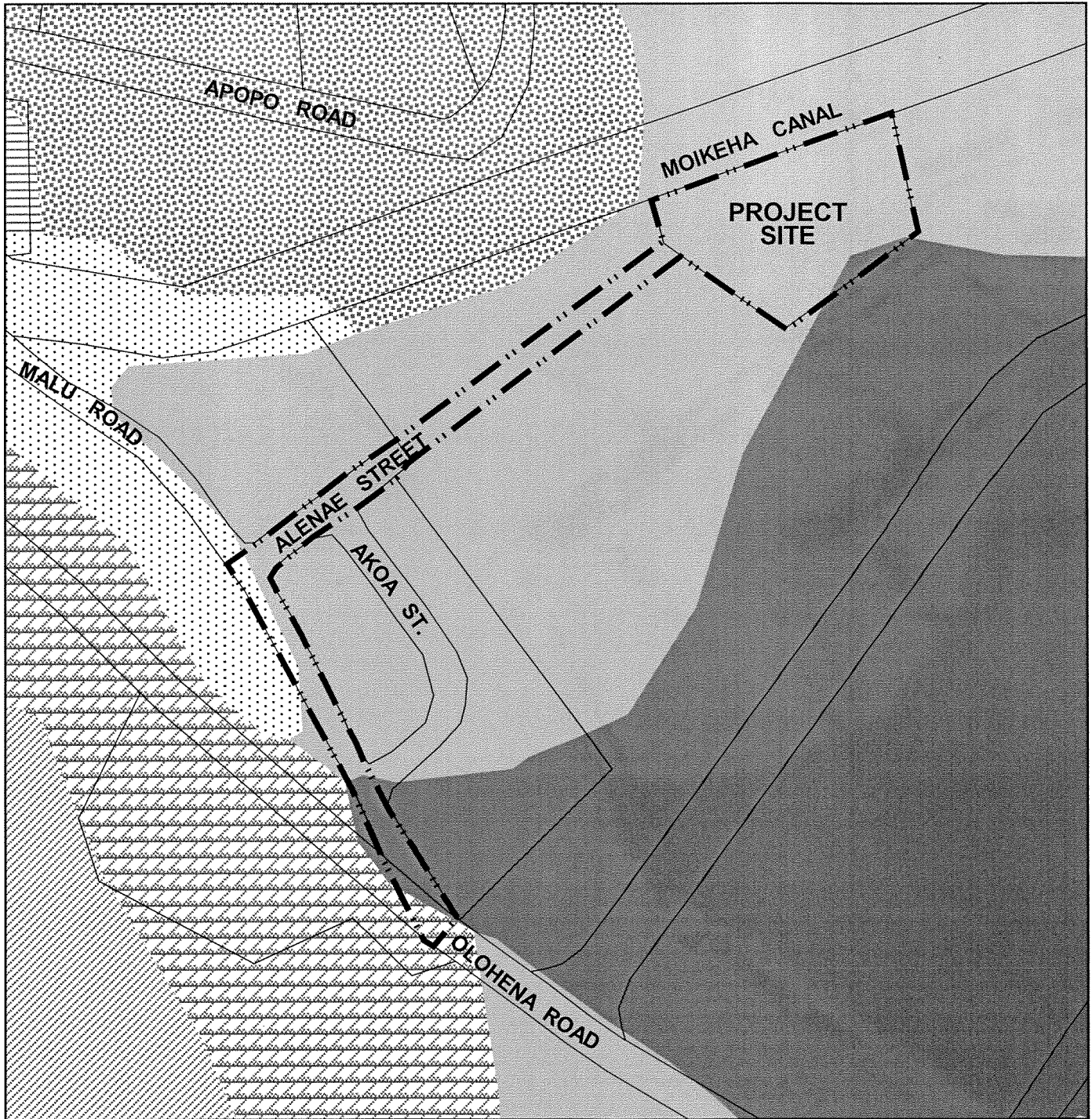
Potential Impacts and Mitigative Measures

In the long-term, when the well is converted to a permanent production well, no adverse impacts upon the project site or Moikeha Canal are anticipated. No mitigative measures are needed.

3.1.7 Natural Hazard

According to the Federal Emergency Management Agency's Flood Insurance Rate Map (FIRM) Community-Panel No. 150002 0135 C, the project site is mostly located in Zone X (Figure 8). Zone X is described as areas outside of the 100- and 500-year floodplains. As stated in a letter from the County of Kaua'i, Department of Public Works during the public review period (Chapter 6.0), the County of Kaua'i does not regulate this flood zone. A small portion of the site along Moikeha Canal is located within Zone A, areas within the 100-year floodplain.

The project site has minimal exposure to other natural hazards, such as volcanic events and earthquakes.



LEGEND

Soil Classifications

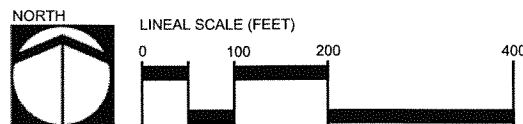
- (Fd) Fill Land
- (HnA) Hanalei Silty Clay, 0-2% Slopes
- (IoB) Ioleau Silty Clay Loam, 2-6% Slopes
- (Mta) Mokuleia Clay Loam, Poorly Drained Variant
- (PkB) Pohakupu Silty Clay Loam, 0-8% Slopes
- (PnB) Puhi Silty Clay Loam, 25-40% Slopes
- (PnE) Puhi Silty Clay Loam, 3-8% Slopes
- (rRR) Rough Broken Land

- Project Site Boundary
- TMK Parcel Boundary

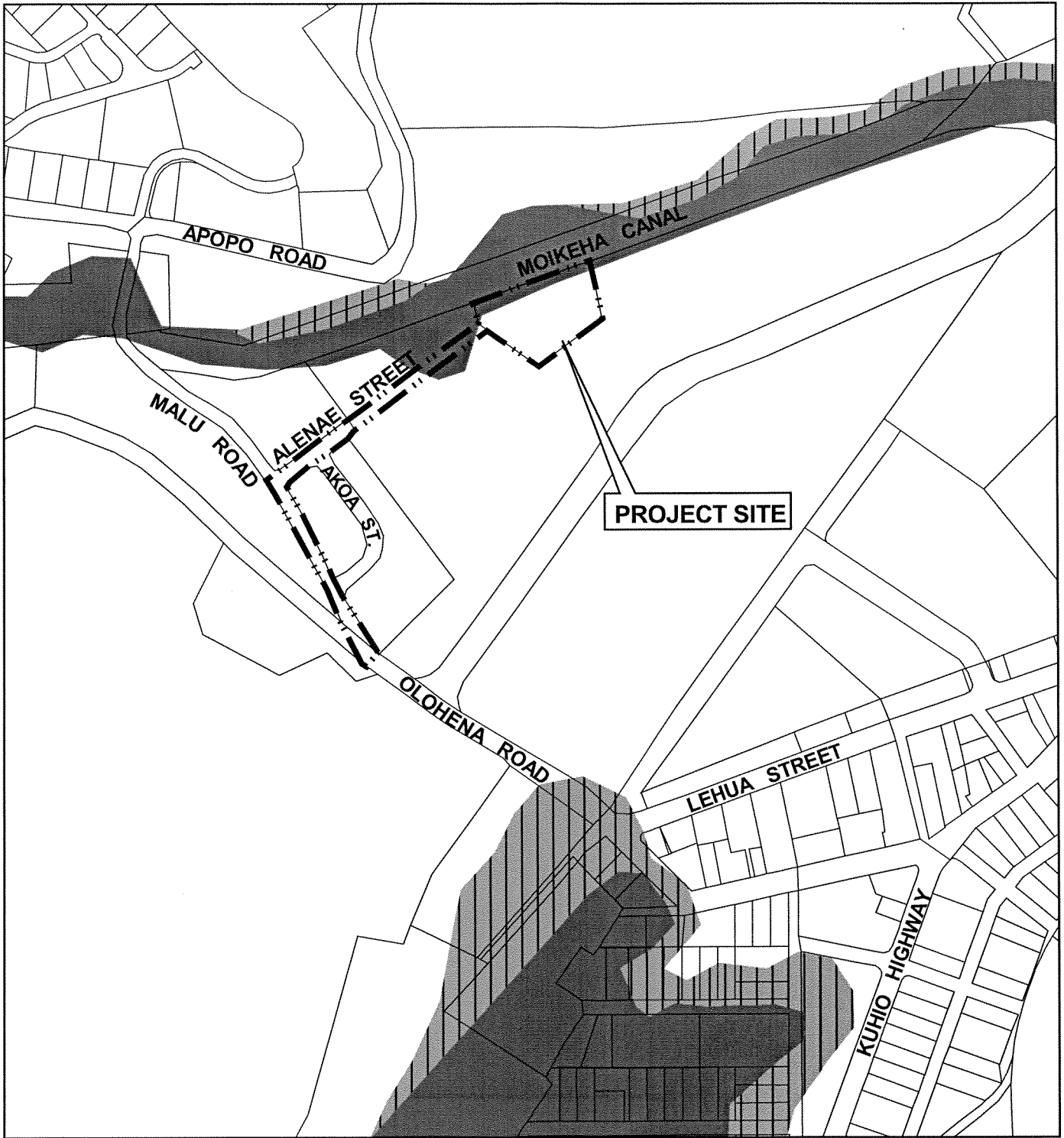
SOURCE:
-U.S. NATURAL RESOURCES CONSERVATION SERVICE

Figure 7
Soil Classification
Kapaa Homesteads Well No.3



ISLAND OF KAUAI






May 2004



LEGEND

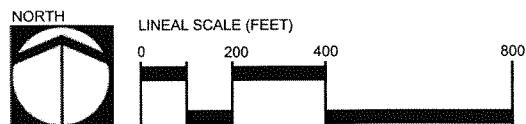
-  Project Site Boundary
-  TMK Parcel Boundary

Flood Zones (Approximate)

-  (A) 100-year Floodplain
-  (X500) 500-year Floodplain
-  (X) Outside of Floodplains

SOURCE:
 -FEDERAL EMERGENCY MANAGEMENT AGENCY
 -THE STATE OF HAWAII GIS DATABASE

Figure 8
 Flood Insurance Rate Map
 Kapaa Homesteads Well No.3
 ISLAND OF KAUAI



May 2004

Potential Impacts and Mitigative Measures

The well site is located on an area of the HCDCH sewage treatment plant that has been filled to comply with National Flood Insurance Program (NFIP) and Kaua'i County Flood Ordinance No. 630. Specifically, this area has been filled to an elevation of 8 feet, which is the base flood elevation of the nearby 100-year flood plain determined by a Flood Insurance Study prepared by the Federal Emergency Management Agency. Well standards from DLNR recommend that "potable water wells located in flood and drainage areas shall have well casing terminated 2 feet above the 100-year level of flooding, as shown on the latest FEMA (Federal Emergency Management Agency) map and be properly designed to avoid potential contamination of the aquifer from flood waters." When converted to a permanent well, the Kapa'a Homesteads Well No. 3 will comply with the DLNR standards as well as the rules and regulations of the NFIP and the Kaua'i County Flood Ordinance No. 630.

In the long-term, the proposed action will not exacerbate any natural hazard conditions. Planning and design for the proposed project will be based on County construction-related standards.

3.1.8 Flora and Fauna

Plants located within the proposed project site include lantana, paragrass (California grass), koa haole, 'ulu, pānini, and Natal redbtop grass. These plants are exotic species introduced to the island, and are not native species.

There has been no comprehensive study or field survey performed to assess the Kapa'a area as a habitat for wildlife. Long-term human presence, particularly agricultural activities, in the areas surrounding the project site has introduced many feral and domestic animals. Mammals likely to be found include beef cattle, household pets, and rats and field mice. Bird species likely to be found include the house sparrow, spotted dove, and mynah.

Potential Impacts and Mitigative Measures

The conversion of the existing exploratory well to a permanent well is not expected to have any lasting effects on birds or other animals. Given the above, no mitigative measures are necessary.

3.1.9 Significant Habitats

There are no rare, threatened, or endangered plants or animal species on the project site. As such, no adverse impacts are anticipated on significant habitats and no mitigative measures are necessary.

3.1.10 Historical and Cultural Resources

The project area was previously disturbed by both prior construction activities and natural forces, such as Hurricane 'Iwa. An existing access and utility easement (which extends from County-owned Alenae Street) was cleared to serve as an access to the sewage treatment plant during its construction. This resulted in the project site also being cleared due to its location within the sewage treatment plant. During the public review period of the DEA, the DLNR Historic Preservation Division (SHPD) wrote:

KAPA'A HOMESTEADS WELL NO. 3

FINAL ENVIRONMENTAL ASSESSMENT/FONSI

We believe there are no historic properties present, because...intensive cultivation has altered the land...Thus we believe that "no historic properties will be affected" by this undertaking.
(Chapter 6.0)

Should any historic artifacts and/or burial sites be found during the installation of the permanent well, work must be stopped and SHPD must be contacted for implementation of a proper monitoring and preservation program. After implementation of the monitoring program, construction activities will be allowed to continue.

Under Act 50, 2000 Session Laws of Hawaii, an investigation must be performed in order to determine what impact, if any, the proposed construction will have on any cultural activities in the area. In an effort to ascertain information regarding the cultural significance of the project site, persons knowledgeable of activities taking place within the project area were contacted. According to Ms. Lafrance Kanaka-Arbolera of the Office of Hawaiian Affairs in Kaua'i (via phone conversation), there were no groups that congregated at or near the project site. Ms. Mary Requiman, Executive Director of the Kaua'i Historic Society, and Ms. Puanani Rogers, a cultural practitioner in the Kapa'a area also confirmed this finding. In addition, the site contains no burials or native herbs or plants to which relatives of deceased or native plant gatherers would require access.

Potential Impacts and Mitigative Measures

The proposed action is not anticipated to have an adverse impact upon the project site; thus, no long-term mitigative measures are necessary. Should archaeological remnants be unearthed, work would be halted and the State Historic Preservation Office would be notified to assess impacts and implement mitigative measures deemed necessary.

Furthermore, Act 50 requires that a proposed action's impact on the cultural practices of a community be disclosed in the environmental review process. However, the proposed project site contains no burials or native herbs or plants to which relatives of deceased or native plant gatherers would require access and thus no mitigative measures are necessary.

3.1.11 Noise

Existing noise levels at the project site are low given the surrounding pasturelands. The predominant source of noise in the area is traffic on Kūhiō Highway and local streets.

Potential Impacts and Mitigative Measures

Ambient noise conditions will be impacted by the installation of the permanent well and the noise from construction vehicles carrying equipment to and from the site during the projected nine-month work schedule. The increase in noise is not expected to have a significant impact on residential areas, which are located approximately 650 feet away, separated by large open space areas. To further minimize the effects of construction, the contractor will only work during daylight hours. The overall level of noise will not exceed the State restrictions on maximum levels at residential property lines.

Once the well is converted to a permanent production well it is not expected to generate any significant noise as it will be housed in a permanent structure (Figure 5). No significant impact on existing noise levels is anticipated. As noted by the State Department of Health (DOH) Noise, Radiation and Indoor

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FINAL ENVIRONMENTAL ASSESSMENT/FONSI

Air Quality Branch (Chapter 6.0), project activities shall comply with the Administrative Rules of the DOH, Chapter 11-46, Community Noise Control.

3.1.12 Air Quality

The quality of the air at the project site is good. There are no major sources of air pollution in the immediate vicinity such as agricultural burning, manufacturing plants, and incinerators. Auto emissions from vehicular traffic on Kūhiō Highway and local streets are not a factor, as the project site is located north of Kūhiō Highway

Potential Impacts and Mitigative Measures

With the conversion of the existing exploratory well to a permanent production well, no adverse impacts on local and regional ambient air quality conditions are anticipated. The DOH Clean Air Branch noted the potential for fugitive dust emissions during all phases of construction (Chapter 6.0). To mitigate this potential impact, a dust control management plan will be developed and implemented. In addition, all construction activities will comply with the provisions of Hawaii Administrative Rules, Section 11-60.1-33, Fugitive Dust. The implementation of dust control measures (i.e. watering, landscaping, minimizing the amount of dust-generating materials and activities, etc.) is warranted during development and construction; however, potential fugitive dust emissions would be temporary and, over the long term, air quality would not be impacted by the proposed well.

3.1.13 Visual Resources

Views in the vicinity of the project site include the HCDCH housing units located along Malu Road and Alenae Street and surrounding pastureland. The proposed well site will be most visible at the intersection of Malu Road and Alenae Street.

Potential Impacts and Mitigative Measures

The well will be housed in a permanent structure (Figure 5), and the pump house structure and project site will be fenced and landscaped. As such, long-term impacts to scenic and visual resources are not expected and no mitigative measures are necessary.

3.2 SOCIO-ECONOMIC ENVIRONMENT

The proposed project is located in the Kapa'a region, which, according to the 2000 United States Census, had a resident population of approximately 9,472. The population of Kapa'a increased about 16.2 percent between 1990 and 2000. This increase was about seven percent greater than the overall population increase for the State, but significantly lower than increases for communities in Maui County and Hawai'i County. In recent years, the Kapa'a region has experienced significant growth in retail and other development along Kūhiō Highway to support residents and visitors.

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Potential Impacts and Mitigative Measures

On a short-term basis, the proposed project will support construction and construction-related employment. Over the long-term, the proposed water development will not have an impact on employment opportunities, nor will it have a significant impact upon local population. The proposed action will improve the quality of life for residents of the area by ensuring an adequate supply of water. Further, development of an additional water source will supply water for needed State-sponsored improvement projects in the future. Impacts of the project on the socio-economic environment are considered positive and thus no mitigative measures are warranted or proposed.

3.3 INFRASTRUCTURE AND UTILITIES

3.3.1 Roadways

Access to the project site is via an access and utility easement that extends from Alenae Street, a two-lane County roadway that provides access for HCDCH housing units. The proposed access to the project site will require permission from HCDCH to use the access for the project.

Potential Impacts and Mitigative Measures

Construction of the project would not impact traffic, except when equipment is first brought to the site and later removed and transported back to their respective base yards. Slow-moving vehicles carrying construction equipment may affect traffic along their route; however these vehicles will be limited to traveling during off-peak hours.

Once construction is completed and the exploratory well is converted to a permanent production well, no traffic impacts in the vicinity of the well site are anticipated. Thus, no long-term mitigative measures are necessary.

3.3.2 Water

Kaua'i Department of Water (KDOW) water lines are located within the Alenae Street right-of-way. According to the Water Resources and Planning Division's comments to a previous EA for the project, "additional source capacity (production well) is much needed for the Kapa'a service zone due to increasing water demands we are experiencing in this area". KDOW's supportive comments were reiterated in a later letter dated October 26, 2004 (Chapter 6.0).

The existing Kapa'a Sewage Treatment Plant injection well (State Well No. 0519-01) was originally proposed as an injection well for abandoned sewage treatment plant by HCDCH. Roscoe Moss Company completed drilling of the well on November 6, 1986. The well was drilled to a depth of 221 feet below the existing ground surface, and has 150 feet of 8-inch diameter steel casing (mid-section perforated) and 71 feet of 8-inch open hole. It was capped and never used because it was found to have an artesian head of 12 feet, which is approximately four feet above the well's ground elevation of 8.25 feet. The treatment plant was later abandoned when residents served by this treatment plant connected to the County sewer line.

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FINAL ENVIRONMENTAL ASSESSMENT/FONSI

Potential Impacts and Mitigative Measures

Over the long-term, the conversion of the exploratory well to a permanent production well will help to address the need for additional capacity and allow the State to meet water requirements for future projects. KDOW's Water Resources and Planning Division gave its support for this project, which will provide additional source capacity needed to support future growth in the area (Chapter 6.0).

The original Kapa'a Sewage Treatment Plant injection well (State Well No. 0519-01) will be properly sealed and abandoned as part of the well drilling phase. No other long-term mitigative measures are necessary. The proposed Kapa'a Homesteads Well No. 3 (State Well No. 0519-04) is not a modification of the original injection well, which was considered too small to be developed into a municipal well.

In its comment letter on the DEA, the Office of Environmental Quality Control requested that information from the *Guidance for Assessing Water Well Development Projects* be included in the FEA (Chapter 6.0). However, according to KDOW, the specific details of *Water Plan 2020* are no longer available to the public for homeland security reasons. Information related to the well assessment guidelines cannot be provided.

In response to the DOH Clean Water Branch's comments on the DEA (Chapter 6.0), a National Pollutant Discharge Elimination System (NPDES) general permit will be required for this project. The Army Corps of Engineers will be contacted to determine whether a Federal license or permit (including a Department of Army permit) is required.

Per DOH Safe Drinking Water Branch's comments (Chapter 6.0) and in accordance with Section 11-20-29, *Hawaii Administrative Rules*, all new sources of potable water serving a public water system must be approved by the Director of DOH prior to use. A satisfactory engineering report addressing these requirements will be submitted to the DOH.

3.3.3 Wastewater

The proposed project will not affect existing wastewater systems and therefore no mitigative measures are needed. The DOH Wastewater Branch stated that it had no objections to the proposed project (Chapter 6.0). The Wastewater Branch also noted that all wastewater plans must conform to applicable provisions of the DOH's Administrative Rules, Chapter 11-62, Wastewater Systems, and that it has the right to review any detailed wastewater plans for conformance to applicable rules.

3.3.4 Stormwater

This site is generally flat and slopes to the east. Stormwater runoff generally sheet flows across the site and either runs off on to adjoining properties (owned by the State of Hawai'i) or to Moikeha Canal.

Potential Impacts and Mitigative Measures

The proposed action will not permanently alter the land surface or significantly increase the amount of impervious surfaces; therefore there will be no significant change to existing drainage patterns. The

proposed water system improvements are also not expected to alter the velocity and volume of on-site flows, and as such, mitigative measures are not required.

3.3.5 Solid Waste

Very little solid waste is expected to be generated since the site is predominantly pastureland. There are no residences or commercial facilities on-site that will need to be demolished.

Potential Impacts and Mitigative Measures

No significant amount of construction waste will be generated since no existing facilities will be demolished. Any solid waste generated during construction and operation of the well will be collected and recycled or disposed of at a DOH permitted facility in a timely manner. Once construction is completed, the proposed project is not expected to impact the municipal collection and disposal system; thus no long-term mitigative measures are necessary. The Solid Waste, Underground Storage Tank, and Hazardous Waste programs within the DOH Solid and Hazardous Waste Branch reviewed the DEA and had no comments to offer (Chapter 6.0).

3.3.6 Electrical and Telecommunication

Kauai Island Utility Cooperative (KIUC) electrical lines and Hawaiian Telcom telephone lines are located within a utility easement above the entrance gate to the HCDCH sewage treatment plant. Cellular phones will provide communications for the construction crew.

Potential Impacts and Mitigative Measures

According to KIUC, there are no facilities at or near the site of the well. Therefore, there should be no immediate impact to KIUC facilities.

KIUC does not anticipate any problems with capacity and the ability to service the well site, and if necessary, the contractor would be able to obtain temporary power for construction purposes via the overhead lines located along Malu Road and Alenae Road. The existing electrical utility easement would serve as the route for the temporary service, and the contractor would be responsible for all costs associated with providing temporary power, including the cost to extend and remove the line. Once the exploratory well is converted to a permanent production well, KIUC has indicated that the line can remain in place and be utilized for permanent service for the well pumps.

3.3.7 Public Services

The project site is located within existing police, fire, and emergency medical service areas. Access to the property in the event of an emergency will require coordination with the contractor and landowner.

4.0 ALTERNATIVES TO THE PROPOSED ACTION

4.1 NO-ACTION ALTERNATIVE

Under the no-action alternative, the existing number of the municipal water supply sources would not be increased. Taking no action does not accomplish the objective of the proposed action to find and develop an additional source of water to address existing capacity needs and supply future State improvement projects.

4.2 ALTERNATIVE SITES

The selection of the currently proposed well site is the result of a review of several sites in the Kapa'a area. These sites were assessed for accessibility, availability of supporting infrastructure, access to existing water systems, site characteristics, and potential as a source of water.

Most of the sites were deemed unfeasible due to each site lacking the potential of producing between 0.5 and 1.0 million gallons per day (mgd) of potable water. Sites were also deemed unfeasible due to the DOH's 1,000-foot rule, which states that potable wells cannot be drilled within 1,000 feet of a sewage treatment facility (cesspool, septic tank, or treatment plant).

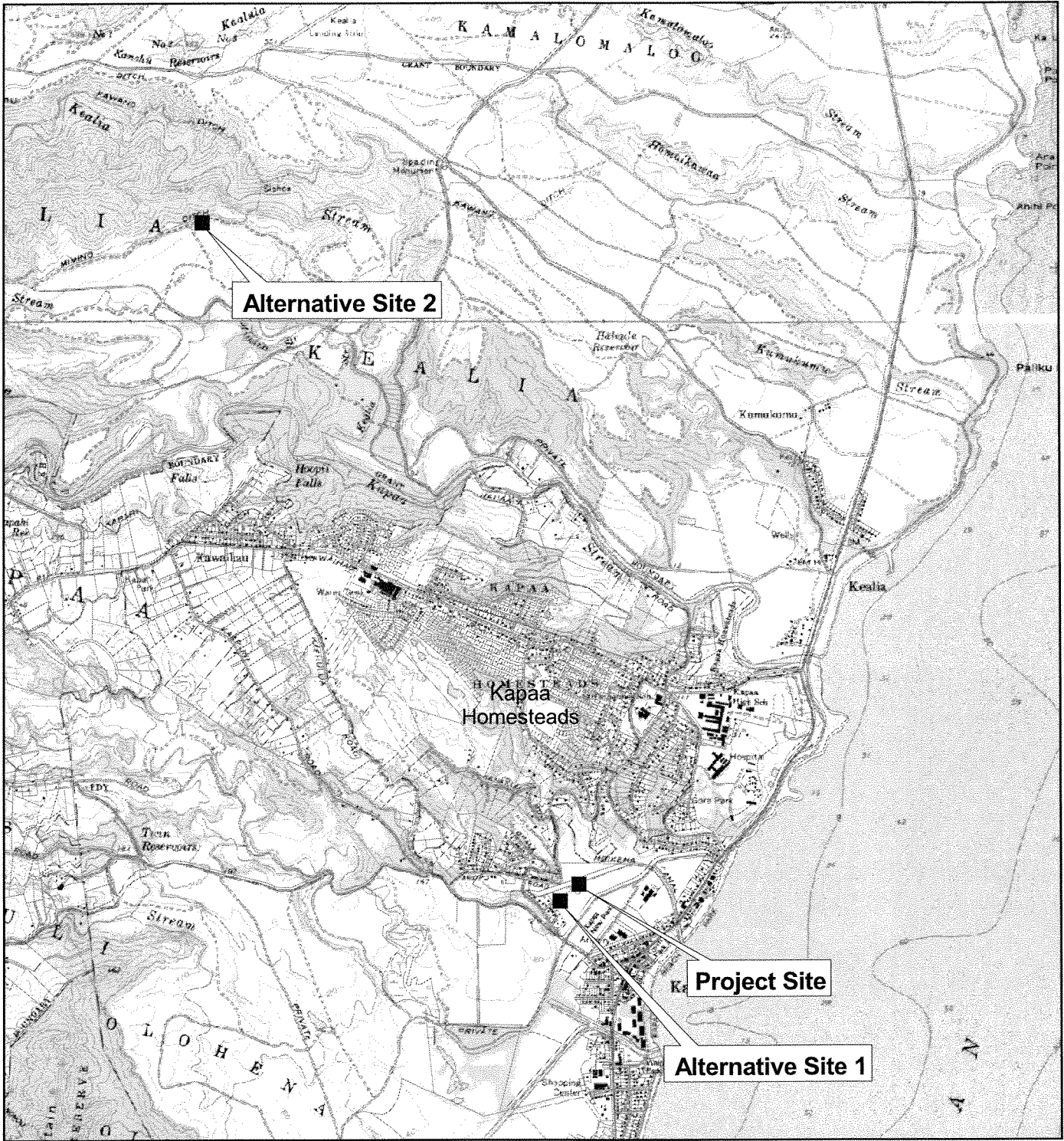
A site located approximately three miles northwest of the proposed site (Figure 9, Alternative Site 2) was deemed unfeasible due to DLNR encountering difficulties obtaining a Right-of-Entry to this site from its owner, Lihue Plantation Company.

The selected site presented itself as the most feasible option, due to its close proximity to an existing well that was recently pump tested, and found to have sufficient capacity and water quality to justify the drilling of an exploratory well. It is also located on State land, with existing access in the vicinity of KDOW's water transmission system and service area.

Had the geologic/hydrologic conditions proven to be unfavorable at the selected site, the well site would have been relocated approximately 400 feet west of the existing sewage treatment plant and adjacent to an existing access/utility easement (Figure 9, Alternative Site 1). This site is owned by the State of Hawai'i and leased by DLNR Land Division to Mr. Lincoln Ching. Mr. Ching currently grazes his beef cattle on this pastureland. This site is located outside of Zone X, which includes areas outside of the 500-year flood zone.

4.3 DELAYED ACTION ALTERNATIVE

A delay in the proposed action would place a continued strain on the existing potable water capacity in the Kapa'a service zone. Delaying the proposed water system improvements would not significantly alter the environmental, social, and economic impacts discussed in this document. Project costs, however, would likely increase due to inflation and changing economic conditions.

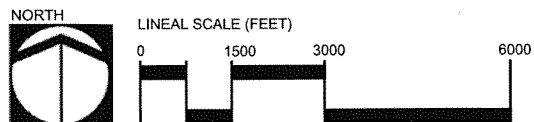


LEGEND

- Well Sites
- ∕ TMK Parcel Boundary

SOURCE:
 -U.S. GEOLOGICAL SURVEY
 -THE STATE DEPT. OF LAND AND NATURAL RESOURCES
 -THE STATE OF HAWAII GIS DATABASE

Figure 9
 Alternative Well Sites
Kapaa Homesteads Well No.3
 ISLAND OF KAUAI



5.0 DETERMINATION OF SIGNIFICANCE

5.1 SIGNIFICANCE CRITERIA

The State Department of Health, *Hawaii Administrative Rules* (Section 11-200-12, Significance Criteria), establishes a "significance criteria" to determine whether significant environmental impacts will occur as a result of a proposed action. An action is determined to have a significant impact on the environment if it meets any one of the following criteria.

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

The proposed project will not result in a loss of natural or cultural resources, as there are no significant resources on-site.

Furthermore, the proposed permanent well will be located on a site that has already been disturbed. Its location will not interfere with any access to traditional gathering sites or important cultural resources.

2. Curtails the range of beneficial uses of the environment

Since the closure of the Kapa'a Sewage Treatment Plant, the proposed site provides no beneficial uses to the State or County. Therefore, use of the site for the proposed project is an appropriate, beneficial use of the site.

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 proposed action is consistent with the environmental policies and guidelines established in Chapter 344, *Hawaii Revised Statutes*. The project will enhance the quality of life for Hawai'i residents by helping to ensure the supply of adequate water resources and the responsible development of needed State services for residents.

4. Substantially affects the economic welfare, social welfare, or cultural practices of the community or state

The proposed action is anticipated to have a beneficial effect on the economy. On a short-term basis, the proposed project will support construction and construction-related employment. Over the long-term, the well will provide water for State-sponsored projects, which will benefit residents and the local economy, and support a growing community. According to individuals consulted, no groups congregated at or near the project site, which contains no burials or native herbs or plants to which relatives of deceased individuals or native plant gatherers would require access.

5. Substantially affects public health

On a short-term basis, public health will not be substantially affected by the proposed project, except possibly by noise and dust generated during construction or the use of petroleum products that could leak from engines. These impacts can be controlled by existing regulatory measures and best management practices. The construction contractor will be required to maintain construction

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equipment in good working order, monitor for leaks, and employ safety precautions. Over the long-term, the proposed action will enhance public health by helping to ensure an adequate potable water supply to serve the existing and growing population.

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

The proposed well development is designed to serve the present population and to ensure that the State can adequately supply water for proposed improvement projects. The new well will supplement the existing water system that currently serves the Kapa'a area.

7. *Involves a substantial degradation of environmental quality*

The proposed action calls for minor site improvements in a small site (approximately 1.4 acres) and will not change the general environmental character of the area. Mitigative measures during the construction period, as described in this document, will minimize impacts to the environment. Over the long-term, no significant increases in air or noise impacts are anticipated as a result of the proposed action. No endangered plant or animal species or important habitats are associated with the project site.

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

The proposed permanent well development is intended to serve an existing need and is not expected to have significant effects on local, regional, and island-wide land use or population. The project does not involve a commitment for larger actions.

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

There are no rare, threatened, or endangered plants or animal species within or in the immediate vicinity of the project site.

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

On a short-term basis, ambient air and noise conditions will be affected by construction activities related to the proposed permanent well; however, these impacts can be controlled by mitigative measures described throughout this EA. Once construction is completed, no adverse impacts on air quality or noise in the area are anticipated. Water quality in the Moikeha Canal is expected to be lower than the quality of the well water due to agricultural, livestock, and urban runoff; therefore, the project is not anticipated to have a detrimental affect on water quality during permanent well operations.

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

Although most of the project site is located outside of a 100- and 500-year floodplains (Figure 8), the well site is located on an area that has been filled to elevation of 8 feet, which is the base 100-year flood elevation (from Moikeha Canal) determined by a Flood Insurance Study prepared by the Federal Emergency Management Agency. When converted to a permanent well, the Kapa'a Homesteads Well

KAPA'A HOMESTEADS WELL NO. 3

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No. 3 will comply with the DLNR standards as well as the rules and regulations of the National Flood Insurance Program and the Kaua'i County Flood Ordinance No. 630.

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

The project site is not included in any public document as a scenic resource. Visual evidence of the project, once completed, will be minimal.

13. Requires substantial energy consumption

Construction of the proposed water system improvements will require energy levels that are typical for a well development project of this type. No extraordinary energy consumption is anticipated.

5.2 DETERMINATION

Based on the findings presented in this EA and the Significance Criteria discussed above, the DLNR issued a Finding of No Significant Impact (FONSI) for this project.

KAPA'A HOMESTEADS WELL NO. 3
FINAL ENVIRONMENTAL ASSESSMENT/FONSI

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6.0 CONSULTATION

6.1 AGENCIES CONSULTED IN THE PREPARATION OF THE DRAFT ENVIRONMENTAL ASSESSMENT

The following agencies (or agency documents) and individuals were consulted in the preparation of the DEA.

County of Kaua'i

- Department of Water
- Kauai Island Utility Cooperative
- Planning Department

State of Hawai'i

- Department of Human Services – Housing and Community Development Corporation of Hawaii
- Department of Land and Natural Resources – Commission on Water Resource Management
- Department of Land and Natural Resources – Historic Preservation Division
- Department of Land and Natural Resources – Engineering Division
- Department of Land and Natural Resources – Land Division
- Office of Environmental Quality Control
- Office of Hawaiian Affairs

Federal

- Federal Emergency Management Agency
- National Resources Conservation Service
- U.S. Geological Survey

Other Agencies or Individuals

- Kaua'i Historic Society
- Mr. Lincoln Ching
- Ms. Puanani Rogers

6.2 AGENCIES CONSULTED IN THE PREPARATION OF THE FINAL ENVIRONMENTAL ASSESSMENT

The DEA was published in the Office of Environmental Quality Control's *The Environmental Notice* on September 23, 2004, commencing a 30-day public comment period that ended on October 23, 2004. The DEA was sent to some of the parties listed in the following table with a request for comments. Comment letters received and response letters provided follow this section.

KAPA'A HOMESTEADS WELL NO. 3

FINAL ENVIRONMENTAL ASSESSMENT/FONSI

AGENCY		Letter Date	Date of Comments
State			
1	Department of Health – Clean Air Branch	--	10-08-04
2	Department of Health – Clean Water Branch	--	10-15-04
3	Department of Health – Environmental Planning Office	09-14-04	--
4	Department of Health – Office of Environmental Quality Control	09-14-04	10-22-04
5	Department of Health – Noise, Radiation and Indoor Air Quality Branch	--	10-11-04
6	Department of Health – Safe Drinking Water Branch	--	10-13-04
7	Department of Health – Solid and Hazardous Waste Branch	--	10-18-04
8	Department of Health – Wastewater Branch	--	10-13-04
9	Department of Human Services – Housing and Community Development Corporation of Hawaii	09-14-04	--
10	Department of Land and Natural Resources	09-14-04	--
11	Department of Land and Natural Resources – Historic Preservation Division	09-14-04	09-21-04
County			
12	Department of Planning	09-14-04	--
13	Department of Public Works	09-14-04	09-22-04
14	Department of Transportation	09-14-04	--
15	Department of Water	09-14-04	10-26-04
16	Fire Department	09-14-04	--
17	Police Department	09-14-04	--
Libraries			
18	Kapa'a Public Library	09-14-04	--
19	Lihue Regional Library	09-14-04	--



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

October 8, 2004

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

In reply, please refer to:
File #

04-904A CAB

Mr. Vincent Shigekuni, Principal
PBR HAWAII
ASB Tower, Suite 650
1001 Bishop Street
Honolulu, Hawaii 96813

Dear Mr. Shigekuni:

SUBJECT: Draft Environmental Assessment for the proposed Kapaa
Homesteads Well No. 3 Project

This letter is to transmit the following comments on the subject document:

Control of Fugitive Dust:

There is a significant potential for fugitive dust emissions during all phases of the construction of the pump house as well as during the fencing and landscaping. Proposed construction activities will occur in proximity to existing residences, public areas and major thoroughfares, thereby exacerbating potential dust problems. It is recommended that a dust control management plan be developed which identifies and addresses all activities that have a potential to generate fugitive dust. Implementation of adequate dust control measures during all phases of development and construction activities is warranted.

Construction activities must comply with the provisions of Hawaii Administrative Rules, §11-60.1-33 on Fugitive Dust.

The contractor should provide adequate measures to control dust from the road areas and during the various phases of construction. These measures include, but are not limited to, the following:

Mr. Vincent Shigekuni
October 8, 2004
Page 2

- a) Plan the different phases of construction, focusing on minimizing the amount of dust-generating materials and activities, centralizing on-site vehicular traffic routes, and locating potential dust-generating equipment in areas of the least impact;
- b) Provide an adequate water source at the site prior to start-up of construction activities;
- c) Landscape and provide rapid covering of bare areas, including slopes, starting from the initial grading phase;
- d) Minimize dust from shoulders and access roads;
- e) Provide adequate dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and
- f) Control dust from debris being hauled away from the project site.

If you have any questions, please contact Mr. Barry Ching of my staff at 586-4200.

Sincerely,

WILFRED K. NAGAMINE
Manager, Clean Air Branch

BC:jhm



LAND PLANNING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL STUDIES

Mr. Frank Brandt, FASLA
Chairman

Thomas S. Wittens, ASLA
President

R. Stan Duncan, ASLA
Executive Vice-President

Russell Y.J. Chung, ASLA
Executive Vice-President

Vincent Shigekuni
Principal

James Leonard, AICP
Principal
Hilo Office

Grant Murakami, AICP
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LINDA LINSLEY
GOVERNOR OF HAWAII



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

CHYONGE L. FUKUNO, M.D.
DIRECTOR OF HEALTH

In reply, please refer to:
BHC/CHS

1004GPKP.04

October 19, 2004

Mr. Wilfred K. Nagamine, Manager
State of Hawaii
Department of Health
Clean Air Branch
P.O. Box 3378
Honolulu, Hawaii 96801-3378

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPAA HOMESTEADS WELL NO. 3
KAWAIHAU, KAUAI
TMK: (4) 4-5-015: PORTION 006**

Dear Mr. Nagamine:

Thank you for your letter dated October 8, 2004 (your reference 04-904A CAB). The Final Environmental Assessment (FEA) will be revised to note your agency's concern for potential fugitive dust emissions during all phases of construction. The FEA will also include that to mitigate this potential impact, a dust control management plan will be developed and implemented. As stated in your letter, the implementation of adequate dust control measures (including those you suggested) is warranted during all phases of development and construction. In addition, construction activities will comply with the provisions of Hawaii Administrative Rules, §11-60.1-33 on Fugitive Dust.

Thank you again for your participation in the review of this Draft Environmental Assessment. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Principal

O:\NOB2\12\63.02\Response to Comment Ltrs\BL-03 DOH Clean Air Branch.doc

Mr. Vincent Shigekuni
PBR Hawaii
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813

Dear Mr. Shigekuni:

**Subject: Kapaa Homesteads Well No. 3
Draft Environmental Assessment**

The Department of Health (DOH), Clean Water Branch (CWB), has reviewed the subject document and offers the following comments:

1. The Army Corps of Engineers should be contacted at (808) 438-9258 to identify whether a Federal license or permit (including a Department of Army permit) is required for this project. Pursuant to Section 401(a)(1) of the Federal Water Pollution Control Act (commonly known as the "Clean Water Act"), a Section 401 Water Quality Certification is required for "[a]ny applicant for Federal license or permit to conduct any activity including, but not limited to, the construction or operation of facilities, which may result in any discharge into the navigable waters..."
2. A National Pollutant Discharge Elimination System (NPDES) general permit coverage is required for the following activities:
 - a. Storm water associated with industrial activities, as defined in Title 40, Code of Federal Regulations, Sections 122.26(b)(14)(i) through 122.26(b)(14)(ix) and 122.26(b)(14)(xi).
 - b. Construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. **An NPDES permit is required before the commencement of the construction activities.**
 - c. Discharges of treated effluent from leaking underground storage tank remedial activities.
 - d. Discharges of once through cooling water less than one (1) million gallons per day.
 - e. Discharges of hydrotesting water.

Mr. Vincent Shigekuni
October 15, 2004
Page 2

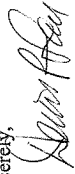
- f. Discharges of construction dewatering effluent.
- g. Discharges of treated effluent from petroleum bulk stations and terminals.
- h. Discharges of treated effluent from well drilling activities.
- i. Discharges of treated effluent from recycled water distribution systems.
- j. Discharges of storm water from a small municipal separate storm sewer system.
- k. Discharges of circulation water from decorative ponds or tanks.

The CWB requires that a Notice of Intent (NOI) to be covered by an NPDES general permit for any of the above activities be submitted at least 30 days before the commencement of the respective activities. The NOI forms may be picked up at our office or downloaded from our website at:

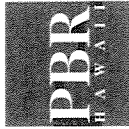
<http://www.hawaii.gov/health/environmental/water/cleanwater/index.html>

- 3. The applicant may be required to apply for an individual NPDES permit if there is any type of activity in which wastewater is discharged from the project into State waters and/or coverage of the discharge(s) under the NPDES general permit(s) is not permissible (i.e. NPDES general permits do not cover discharges into Class 1 or Class A.A. State waters). An application for the NPDES permit is to be submitted at least 180 days before the commencement of the respective activities. The NPDES application forms may also be picked up at our office or downloaded from our website at:
<http://www.hawaii.gov/health/environmental/water/cleanwater/index.html>
- 4. Hawaii Administrative Rules, Section 11-55-38, also requires the applicant to either submit a copy of the new NOI or NPDES permit application to the State Department of Land and Natural Resources, State Historic Preservation Division (SHPD), or demonstrate to the satisfaction of the DOH that the project, activity, or site covered by the NOI or application has been or is being reviewed by SHPD.

If you have any questions, please contact Ms. Kris Poentis of the Engineering Section, CWB, at 586-4309.

Sincerely,

DENIS R. LAU, P.E., CHIEF
Clean Water Branch

KP:np



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July 8, 2005

Mr. Denis R. Lau, P.E., Chief
State of Hawaii
Department of Health
Clean Water Branch
P.O. Box 33378
Honolulu, Hawaii 96801-3378

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPAA HOMEESTEADS WELL NO. 3
KAWAIIHAU, KAUAI
TMK: (4) 4-5-015: PORTION 006

Dear Mr. Lau:


Thank you for your letter dated October 15, 2004 (your reference EMD/AWB 10046PKP.04). We offer the following responses to your comments:

- 1. The Army Corps of Engineers will be contacted to identify whether a Federal license or permit (including a Department of Army permit) is required for this project.
- 2. A NPDES general permit will be required for this project. As such, a NOI will also be required.
- 3. An individual NPDES permit will not be required for this project.
- 4. A copy of the NOI or NPDES permit application will be submitted to the State Department of Land and Natural Resources, Historic Preservation Division.

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII


Vincent Shigekuni
Vice President

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

235 SOUTH BERETANIA STREET
HONOLULU, HAWAII 96813
TELEPHONE (808) 586-4185
FACSIMILE (808) 586-4185
E-MAIL: oeqc@hawaii.gov

GENEVIEVE SALMONSON
DIRECTOR

October 22, 2004

Mr. Roger Masuoka
Engineering Division, Department of Land and Natural Resources, State of Hawaii
P.O. Box 373
Honolulu, Hawaii 96809

Mr. Vincent Shigekuni
PBR Hawaii
1001 Bishop Street, ASB Tower Suite 650
Honolulu, Hawaii 96813

Dear Messrs. Masuoka and Shigekuni:

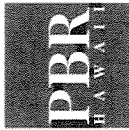
The Office of Environmental Quality Control has reviewed your draft environmental assessment for the Kapaa Homesteads Well No. 3, at Kapa'a, TMK (5th) 4-515-6 (portion), in the judicial district of Kawaihau, and offers the following comments for your consideration and response.

1. *Water Well Assessment Guidance*: Please refer to the Guidance for Assessing Water Well Development Projects at our Internet Website: <http://www.state.hi.us/health/oeqc/index.html> and include the information described in the guidance document in the final environmental assessment for the project.

Thank you for the opportunity to comment. If there are any questions, please call Mr. Leslie Segundo Environmental Health Specialist, at (808) 586-4185.

Sincerely,

GENEVIEVE SALMONSON
Director



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July 8, 2005

Ms. Genevieve Salmonson, Director
State of Hawaii
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPAA HOMESTEADS WELL NO. 3
KAWAIIHAU, KAUAI
TMK: (4) 4-5-015: PORTION 006

Dear Ms. Salmonson:

Thank you for your letter dated October 22, 2004. We acknowledge your request for the Final Environmental Assessment to include information related to the *Water Well Assessment Guidance*. However, according to the Kauai Department of Water, the specific details from the *Water Plan 2020* are no longer viewable by the public for homeland security reasons. As such, we are unable to obtain and provide information related to the well assessment guidelines.

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Vice President

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF HEALTH
P O BOX 3378
HONOLULU, HAWAII 96804-3378

CHYRONNE L. FURUKO, M.D.
DIRECTOR OF HEALTH

In reply, please refer to:
File:

October 11, 2004

Mr. Vincent Shigekuni
PBR Hawaii
ASB Tower, Suite 650
1001 Bishop Street
Honolulu, HI 96813

Dear Mr. Shigekuni:

**SUBJECT: Comments to the Draft Environmental Assessment
Kapaa Homesteads Well No. 3
Tax Map Key: 4-5-015: 006
Kauai**

Our comments should be printed as follows:

“Project activities shall comply with the Administrative Rules of the Department of Health:

- Chapter 11-46 Community Noise Control.

Should there be any questions, please contact me at 586-4701.

Sincerely,

Russell S. Takata
Program Manager
Noise, Radiation & IAQ Branch



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October 19, 2004

Mr. Russell S. Takata, Program Manager
State of Hawaii
Department of Health
Noise, Radiation & IAQ Branch
P.O. Box 3378
Honolulu, Hawaii 96801-3378

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPAA HOMESTEADS WELL NO. 3
KAWAIIHAU, KAUAI
TMK: (4) 4-5-015: PORTION 006**

Dear Mr. Takata:

Thank you for your letter dated October 11, 2004. The Final Environmental Assessment will include that “project activities shall comply with the Administrative Rules of the Department of Health: Chapter 11-46, Community Noise Control.”

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Principal



STATE OF HAWAII
DEPARTMENT OF HEALTH

PO BOX 3378
HONOLULU HAWAII 96801-3378

October 13, 2004

CHYOME L. FUKANO, M.D.
DIRECTOR OF HEALTH

In reply, please refer to:
EHS0506

PBR Hawaii
ASB Tower, Suite 650
1001 Bishop Street
Honolulu, HI 96813

Attention: Vincent Shigekuni
Dear Mr. Shigekuni:

SUBJECT: KAPAA HOMESTEADS WELL NO. 3
DRAFT ENVIRONMENTAL ASSESSMENT (DEA)
Kapaa, Kauai
TMK: 4-5-15: 6

Thank you for the opportunity to review and comment on the subject document. We have examined the draft environmental assessment and have the following comments to offer:

1. The DEA indicates that the project will include the development of a new source of potable water. Section 11-20-29 of Chapter 20 requires that all new sources of potable water serving a public water system be approved by the Director of Health prior to its use. Such an approval is based primarily upon the submission of a satisfactory engineering report which addresses the requirements set in Section 11-20-29.
2. The engineering report must identify all potential sources of contamination and evaluate alternative control measures which could be implemented to reduce or eliminate the potential for contamination, including treatment of the water source. In addition, water quality analyses, performed by a laboratory certified in the State of Hawaii, must be submitted as part of the report to demonstrate compliance with all drinking water standards. Additional tests may be required by the Director upon his review of the information submitted.

3. According to page 4 of the DEA:

Kapa'a Sewage Treatment Plant injection well (State Well No. 0519-01) was originally proposed as an injection well for abandoned sewage treatment plant by HCDC... It was capped and never used because it was found to have an artesian head of 12 feet, which is approximately four feet above the well's ground

Mr. Vincent Shigekuni
October 13, 2004
Page 2

elevation of 8.25 feet. The treatment plant was abandoned when residents served by this treatment plant connected to the County sewer line.

The DEA implies that a wastewater treatment plant was constructed and operated at the site. If a wastewater treatment plant was operated at the site, it will be of great concern as to quantity and quality of the wastewater effluent that was discharged, how it was disposed of within the property, and over what period of time.

The DEA should also explain if the original injection well (State Well No. 2-0519-01) was ever properly sealed and abandoned.

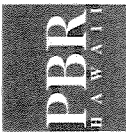
4. The DEA should clarify if the Kapa'a Homestead Well No. 3 is simply a "reamed" out modification of the original Kapa'a Sewage Treatment Plant injection well (State Well No. 0519-01) which was considered to be "too small to be developed into an municipal well." It would also be useful to provide the State Well No., assigned by the Commission on Water Resource Management, to the Kapa'a Homestead Well No. 3.

If you have any questions concerning drinking water, please contact Stuart Yamada of the Safe Drinking Water Branch, at 586-4258.

Sincerely,

WILLIAM WONG, P.E., CHIEF
Safe Drinking Water Branch
Environmental Management Division

SX:slm



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July 8, 2005

Mr. William Wong, P.E., Chief
State of Hawaii
Department of Health
Safe Drinking Water Branch
Environmental Management Division
P.O. Box 3378
Honolulu, Hawaii 96801-3378

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPAA HOMESTEADS WELL NO. 3
KAWAIHAU, KAUAI
TMK: (4) 4-5-015: PORTION 006**

Dear Mr. Wong:

Thank you for your letter dated October 13, 2004 (your reference EMD/SDWB). We offer the following responses to your comments:

1. In accordance with Section 11-20-29 of Chapter 20, all new sources of potable water serving a public water system must be approved by the Director of Health prior to its use. As such, a satisfactory engineering report addressing these requirements will be submitted.
2. The engineering report will identify all potential sources of contamination and evaluate alternative control measures to reduce or eliminate this potential, including treatment of the water source. Water quality analyses performed by a laboratory certified in the State of Hawaii will also be submitted as part of the engineering report to demonstrate compliance with all drinking water standards. We understand that additional tests may be required by the Director upon review of information submitted.
3. The Final Environmental Assessment (FEA) will explain that the original injection well (State Well No. 2-0519-01) will be properly sealed and abandoned as part of the well drilling phase.
4. The FEA will also explain that the Kapaa Homestead Well No. 3 is not a modification of the original Kapaa Sewage Treatment Plant injection well (State Well No. 0519-01), which was considered too small to be developed into a municipal well. The State well number assigned by the Commission on Water Resource Management for the Kapaa Homestead Well No. 3 is 0519-04, and this number will be provided in the FEA.

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Principal

LINDA LINGLE
GOVERNOR OF HAWAII



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

October 18, 2004

Mr. Vincent Shigekuni
PBR Hawaii
ASB Tower
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813

Dear Mr. Shigekuni:

**SUBJECT: Draft Environmental Assessment
Kapaa Homesteads Well No. 3
Kawaihau, Kauai (TMK 4-5-15:6)**

Thank you for the opportunity to offer comments on the above document. Your request has been reviewed by the Solid Waste, Underground Storage Tank, and Hazardous Waste programs within the Solid and Hazardous Waste Branch.

We have no comments to offer at this time.

Sincerely,

STEVEN Y.K. CHANG, P.E., CHIEF
Solid and Hazardous Waste Branch



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E-MAIL: pbrmail@hawaii.net

October 21, 2004

Mr. Steven Y.K. Chang, P.E., Chief
State of Hawaii
Department of Health
Solid and Hazardous Waste Branch
P.O. Box 3378
Honolulu, Hawaii'i 96801-3378

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPA'A HOMESTEADS WELL NO. 3
KAWAIHAU, KAUAI
TMK: (4) 4-5-015: PORTION 006**

Dear Mr. Chang:

Thank you for your letter dated October 18, 2004 (your reference no. EMD/SHWB). We note that the Solid Waste, Underground Storage Tank and Hazardous Waste programs within the DOH Solid and Hazardous Waste Branch reviewed the Draft E.A. and there were no comments to offer at this time.

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Vincent Shigekuni
Principal

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LINDA LINGLE
GOVERNOR OF HAWAII



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

October 13, 2004

K4-5 015 006.wpd
W11.WB040879

CHYOHEL FUKINO, M.D.
DIRECTOR OF HEALTH

In reply, please refer to:
EMD/1WB

Mr. Vincent Shigekuni
PBR Hawaii
ASB Tower, Suite 650
1001 Bishop Street
Honolulu, Hawaii 96813

Dear Mr. Shigekuni:

**Subject: Draft Environmental Assessment
Kapaa Homesteads Well No. 3
Kawaihau, Kauai
TMK: (4) 4-5-015: portion 006 1.364 acres**

We have reviewed the subject document which proposes to develop a permanent well in order to provide an additional source of water for State-sponsored projects in Kapaa, Kauai.

We have the following comments to offer. As the proposed project will not affect existing wastewater systems and no mitigative measures are needed, we have no objections to the proposed project and concur with it.

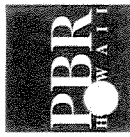
All wastewater plans must conform to applicable provisions of the Department of Health's Administrative Rules, Chapter 11-62, "Wastewater Systems." We do reserve the right to review the detailed wastewater plans for conformance to applicable rules. Should you have any questions, please contact the Planning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

Sincerely,

June Harrigan-Lum
HAROLD K. YEE, P.E., CHIEF
Wastewater Branch

LNKM:em

c: June Harrigan-Lum, EPO



LAND PLANNING
LANDSCAPE ARCHITECTURE
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October 19, 2004

Mr. Harold K. Yee, P.E., Chief
State of Hawaii
Department of Health
Wastewater Branch
P.O. Box 3378
Honolulu, Hawaii 96801

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
- KAPAA HOMESTEADS WELL NO. 3
KAWAIIHAWAII, KAUAI
TMK: (4) 4-5-015: PORTION 006**

Dear Mr. Yee:

Thank you for your letter dated October 13, 2004 (your reference EMD/WB). The Final Environmental Assessment will include that any wastewater plans must conform to applicable provisions of the Department of Health's Administrative Rules, Chapter 11-62, "Wastewater Systems," and that the Wastewater Branch has the right to review any detailed wastewater plans for conformance to applicable rules.

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Principal

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LINDA LINGLE
GOVERNOR OF HAWAII



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COMMISSION ON WATER RESOURCES MANAGEMENT
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YODINNE V. IZU
DEPUTY DIRECTOR - WATER

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COMMISSION ON WATER RESOURCES MANAGEMENT
CONSERVATION AND COASTAL MANAGEMENT
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
LAND AND WATER RESOURCES COMMISSION
STATE PARKS

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
POST OFFICE BOX 621
HONOLULU, HAWAII 96809

HAWAII HISTORIC PRESERVATION
DIVISION REVIEW

Log #: 2004.2836
Doc #: 0409NM12

Applicant/Agency: Vincent Shigekuni,
For: DLNR- Engineering Division

Address: PBR Hawaii
ASB Tower, Suite 650
1001 Bishop Street
Honolulu, HI 96813

**SUBJECT: Chapter 6E- Historic Preservation Review - DEA Kapaa Homesteads Well.
No. 3**

Ahupua'a: Kapaa
District, Island: Kawaihau, Kauai
TMK: (4) 4-5-15: por 6

1. We believe there are no historic properties present, because:
- a) intensive cultivation has altered the land
 - b) residential development/urbanization has altered the land
 - c) previous grubbing/grading has altered the land
 - d) an acceptable archaeological assessment or inventory survey found no historic properties
 - e) other.

2. This project has already gone through the historic preservation review process, and mitigation has been completed.

Thus, we believe that "no historic properties will be affected" by this undertaking

Staff: Nancy McMahon Date: 9/21/04

Title: Archaeologist for Kauai



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E-Mail: pbrmaui@pbr.net

September 29, 2004

Ms. Nancy McMahon
Archaeologist for Kauai
State Historic Preservation Division
State of Hawaii
Department of Land and Natural Resources
Post Office Box 621
Honolulu, Hawaii 96809

**SUBJECT: CHAPTER 6E - HISTORIC PRESERVATION REVIEW - DEA
KAPAA HOMESTEADS WELL NO. 3**

Dear Ms. McMahon,

Thank you very much for your prompt review of the Draft EA for the Kapa'a Homesteads Well No. 3 project (Log #: 2004.2836, Doc#: 0409NM12). Please be assured that we will incorporate the review comments into the Final EA and revise the EA accordingly.

If you have any questions about this project, please do not hesitate to contact me at (808) 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Principal

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BRYAN J. BAPTISTE
MAYOR



COUNTY ENGINEER
TELEPHONE 241-6800

GARY K. HEU
ADMINISTRATIVE ASSISTANT

LADYE H. MARTIN
DEPUTY COUNTY ENGINEER
TELEPHONE 241-6800

AN EQUAL OPPORTUNITY EMPLOYER

COUNTY OF KAUAI
DEPARTMENT OF PUBLIC WORKS
4444 RICE STREET
MO'IKIHEA BUILDING, SUITE 275
LIHU'E, KAUAI, HAWAII 96766-1940

September 22, 2004

PBR Hawaii
ASB Tower, Suite 650
1001 Bishop Street
Honolulu, HI 96813

Subject: Draft Environmental Assessment for Kapa'a Homestead Well No. 3 PW 9.093

Dear Mr. Vincent Shigekuni:

We reviewed the subject Draft Environmental Assessment and offer the following comments:

- Based on panel no 135 C of the Federal Insurance Rate Maps (FIRM) dated March 4, 1987, the flood zoning for TMK 4-5-16 por 6 is a zone X-unshaded. Zone X unshaded is described as areas outside of the 500 year flood zone. The County of Kauai does not regulate this flood zone.

- The street name labeling for Opala Road needs to be corrected to Malu Road. Opala Road has been renamed to Malu Road in 1973. Enclosed is a copy of the Street name resolution, which renames Opala Road to Malu Road.

We would like to thank you for this opportunity to provide our comments. Should you have any questions, please feel free to contact Wallace Kudo of my staff at 241-6622.

Very truly yours,

CONCUR:

Wallace Kudo
CESAR C. PORTUGAL, P.E.
Chief, Engineering Division

Ladye H. Martin
LADYE H. MARTIN, ESQ.
Deputy County Engineer

WK

attachment

cc: DPW Design and Permitting
Office of Environmental Quality Control w/attachment

235 S. Beretania Street, Suite 702, Honolulu, HI 96813

Mr. Roger Masuoka w/ attachment

Department of Land and Natural Resources Engineering Division
P.O. Box 373
Honolulu, HI 96809

D:\KUDO\OPBR DEA Kapa'a Well Site No. 3 TMK 4-5-15-por 6 PW9.093

RESOLUTION NO. 58

RESOLUTION RENAMING OF OPALA ROAD, KAPAA, KAWAIHAU DISTRICT

BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF KAUAI, STATE OF HAWAII:

Section 1. That the road presently named "Opala Road" (Rubbish Road), Kapaa, Kawaihau District, from its beginning at the intersection with Olohena Road for its entire length to the old Kapaa Dumping Grounds be renamed "Malu Road" (shaded, peaceful, quiet).

Section 2. That the County Engineer be authorized to make the necessary changes on the appropriate maps and to make the appropriate changes in the signs designating said road.

Section 3. This resolution shall take effect upon its approval.

INTRODUCED BY:

Farwell C. Blake
Chairman and Executive Officer

Matukahi Arashiro
Supervisor

Haruo Seto
Supervisor

Shigeo Shiraishi
Supervisor

Shigeo Kubota
Supervisor

Robert N. Fernandes
Supervisor

George R. Pascoa
Supervisor

DATE OF INTRODUCTION:

November 2, 1966
Lihue, Kauai, Hawaii.

RESOLUTION RENAMING OF OPALA ROAD, KAPAA, KAWAIHAU DISTRICT

BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF KAUAI, STATE OF HAWAII:

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INTRODUCED BY:

Farwell C. Blake
Chairman and Executive Officer

Matukahi Arashiro
Supervisor

Haruo Seto
Supervisor

Shigeo Shiraishi
Supervisor

Shigeo Kubota
Supervisor

Robert N. Fernandes

George R. Pascoa

OFFICE OF THE COUNTY CLERK, COUNTY OF KAUAI
STATE OF HAWAII.
LIHUE, KAUAI, HAWAII

CERTIFICATE

I hereby certify that hereto attached is a true and correct copy of Resolution No. 58 which was adopted by the Board of Supervisors of the County of Kauai at a meeting held on following vote of the said Board:

FOR ADOPTION: Arashiro, Fernandes, Kubota, Pascoa, Seto, Shiramizu, Blake
AGAINST ADOPTION: None
ABSENT & NOT VOTING: None

TOTAL - 7,
TOTAL - 0,
TOTAL - 0.

Dated at Lihue, Kauai, Hawaii,
NOV 3 1966

Kenneth K. Yamamoto
County Clerk, County of Kauai.



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SENIOR ASSOCIATE

TOM SCERNELL, AICP
ASSOCIATE

RAYMOND T. HIGA, ASLA
ASSOCIATE

KEVIN NISHIKAWA, ASLA
ASSOCIATE

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Fax: (808) 242-2962
E-Mail: pshigeki@lava.net



Water has no substitute..... Conserve it

September 29, 2004

Mr. Cesar C. Portugal, P.E., Chief
Ms. Ladye H. Martin, Esq., Deputy County Engineer
County of Kaua'i
Department of Public Works
4444 Rice Street
Moikeha Building, Suite 275
Lihue, Kaua'i, Hawaii 96766-1340

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR
KAPA'A HOMESTEAD WELL NO. 3**

Dear Mr. Portugal and Ms. Martin,

Thank you very much for your prompt review of the Draft EA for the Kapa'a Homestead Well No. 3 project (PW 9.093). We greatly appreciate the correct information provided regarding the flood zone and Malu Road. Please be assured that we will incorporate the review comments into the Final EA and revise the EA accordingly.

If you have any questions about this project, please do not hesitate to contact me at (808) 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekumi
Principal

October 26, 2004

UID #4367

Mr. Vincent Shigekumi
PBR Hawaii
1001 Bishop Street
ASB Tower, Suite 650
Honolulu, HI 96813

Dear Mr. Shigekumi:

Subject: Draft Environmental Assessment, Kapa'a Homesteads Well No. 3,
TMK: 4-5-15:006 (por.), Alenae Street, Kapa'a, Kaua'i

The Department of Water (DOW) supports the proposed project. Additional source capacity is needed to support future growth in this area.

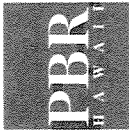
If you have any questions, please call Edward Doi at 245-5417.

Sincerely,

Gregg Fujikawa
Chief of Water Resources and Planning

ED Doi
24-459 Kapa'a, Shigekumi

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Fax: (808) 242-2802
E-Mail: pbrwaikoloa@pbr.com

July 8, 2005

Mr. Gregg Fujikawa, Chief
Water Resources and Planning
Department of Water
County of Kauai
P.O. Box 1706
Lihue, Kauai, Hawaii 96766

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
KAPAA HOMESTEADS WELL NO. 3
KAWAIIHAWA, KAUAI
TMK: (4) 4-5-015: PORTION 006**

Dear Mr. Fujikawa:

Thank you for your letter dated October 26, 2004 (your reference UJD #4367). We acknowledge that the Department of Water supports the proposed project, which will provide additional source capacity to support future growth in the area.

Thank you again for your participation in the Environmental Assessment public review process. If you have any questions regarding this project, please do not hesitate to contact me at 521-5631.

Sincerely,

PBR HAWAII

Vincent Shigekuni
Vice President

