



Department of Hawaiian Home Lands

***Molokaʻi***  
***Potable Water System Improvements***

Nā Kupaʻa O Kūhiō



# **Proposed Potable Water Improvements**

## **Objectives**

- Improve reliability and functionality of water delivery to the over 1,900 users connected to the DHHL Water System (PWS No. 230)
- Address Water Pressure issue identified during 2010 Regional Planning Process



# Purpose of Meeting

- **Discuss USDA-RD Loan/Grant Process**
- **Nā Kupa'a o Kūhiō Overview**
- **Identify Proposed Potable Water Improvement Projects**
- **Open Discussion**
- **Next Steps**



# USDA-RD Loan/Grant Program

- Provides funding for rural communities to improve water quality and promote economic development
- Can be utilized for Potable Water
- Priority is given to small communities
- Funding opportunities
  - Grants
  - Loans



# USDA-RD Loan/Grant Program

## Application Process

1. Identify potential projects and alternatives
2. Conduct environmental evaluations
3. Prepare preliminary engineering data
4. Consult with Agencies and Organizations
5. Prepare Environmental Summary



# USDA-RD Loan/Grant Program

## Application Process

6. Prepare USDA-RD application packet
7. Submit application to USDA-RD
8. Review by USDA-RD
  - Approve
  - Request Revisions
  - Deny



# Nā Kupa‘a o Kūhiō Overview

## DHHL – Nā Kupa‘a o Kūhiō Partnership

- (1) MOU\* between DHHL and Nā Kupa‘a o Kūhiō
- (2) DHHL Contract for Services

For each project,

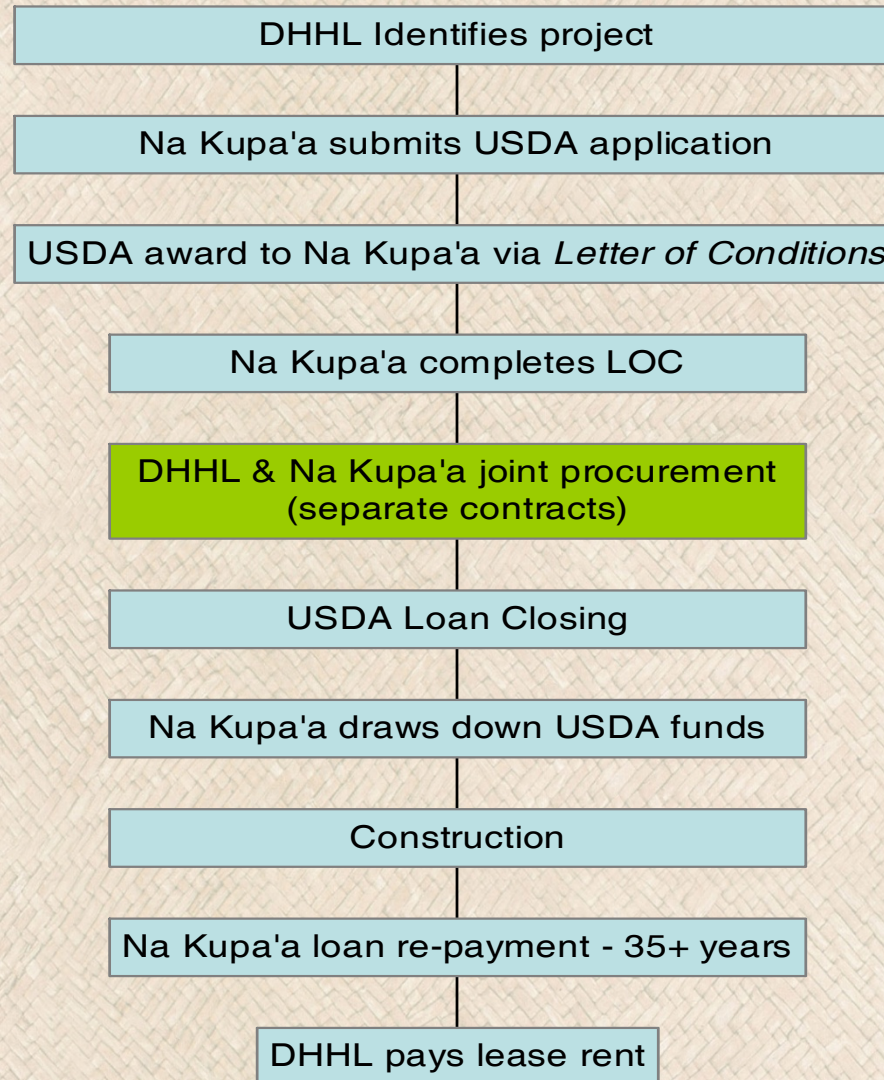
- (3) Project Agreement\*
- (4) DHHL License\*
- (5) DHHL Operations & Maintenance agreement
- (6) Nā Kupa‘a o Kūhiō lease agreement\*
  - 15% fee per loan payment
  - DHHL lease rent - Nā Kupa‘a o Kūhiō

*\*Subject to Commission approval*



# Nā Kupa'a o Kūhiō Overview

We are here





# Nā Kupa'a o Kūhiō Overview

## Accomplishments

### Projects Awarded USDA funding

	Grant	Loan	Total
Moloka'i improvements	\$1,163,475	\$1,323,525	\$2,487,000
Kaka'ina	377,800	541,000	918,800
Maku'u off-site well	2,100,000	3,148,000	5,248,000
La'i 'Opua Village 4	917,350	2,134,000	3,051,350
Pi'ilani Mai Ke Kai	339,000	471,000	810,000
East Kapolei 2B	1,513,000	2,188,000	3,701,000
TOTAL	\$6,410,625	\$9,805,525	\$16,216,150



# Nā Kupa‘a o Kūhiō Overview

## Opportunity

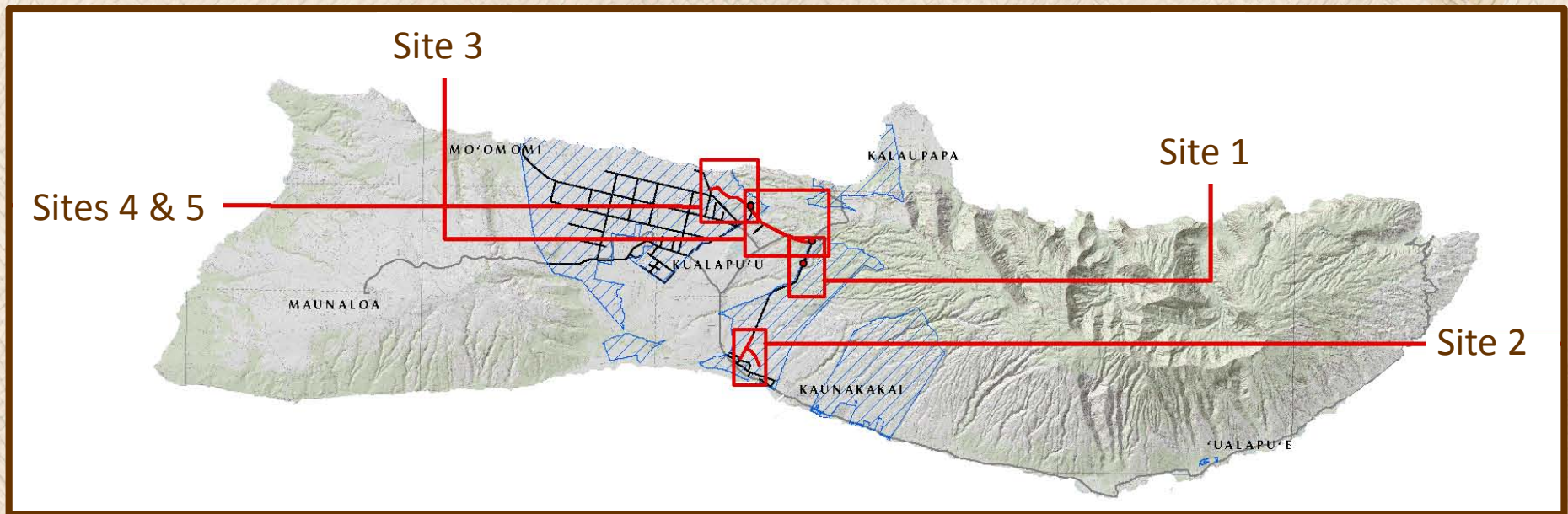
### US Department of Agriculture Rural Development Water & Waste Disposal Grant & Loan Program

(maximum grant allowed is 75% of total project cost)

	Grant funds	Loan funds	Total
National	\$451,000,000	\$900,000,000	\$1,351,000,000
Hawaii state	2,400,000	6,600,000	9,000,000
Set-aside	15,000,000	- 0 -	15,000,000
TOTAL	\$ 17,400,000	\$ 6,600,000	\$ 24,000,000



# Proposed Potable Water Improvements

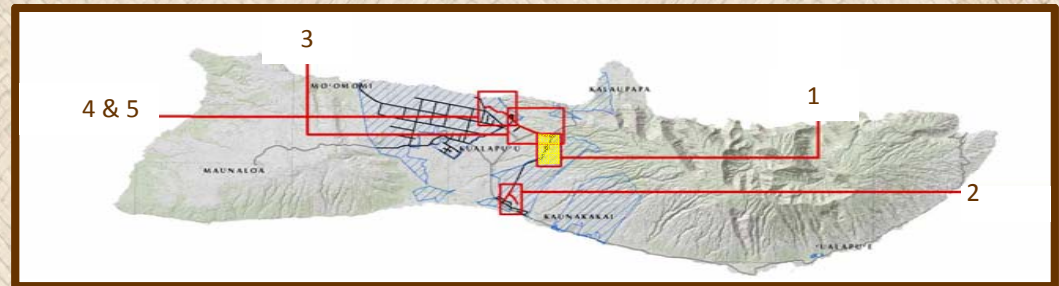
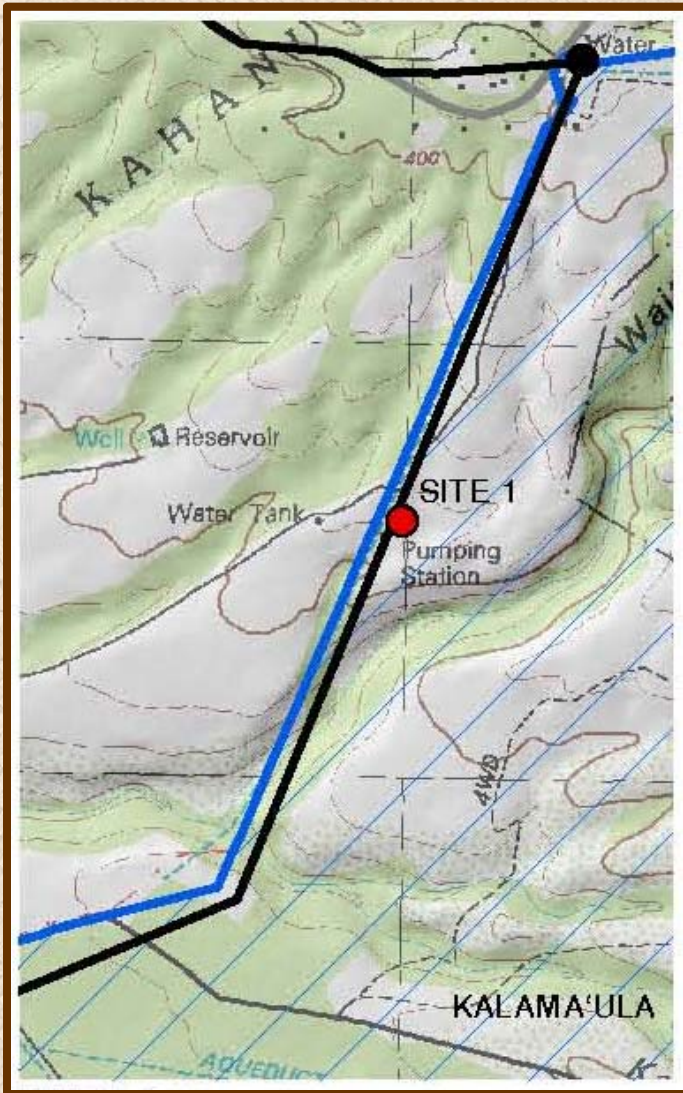


- 13 Improvement Projects Proposed In Fives Areas



# Proposed Potable Water Improvements

## Site 1- Well Site Compound



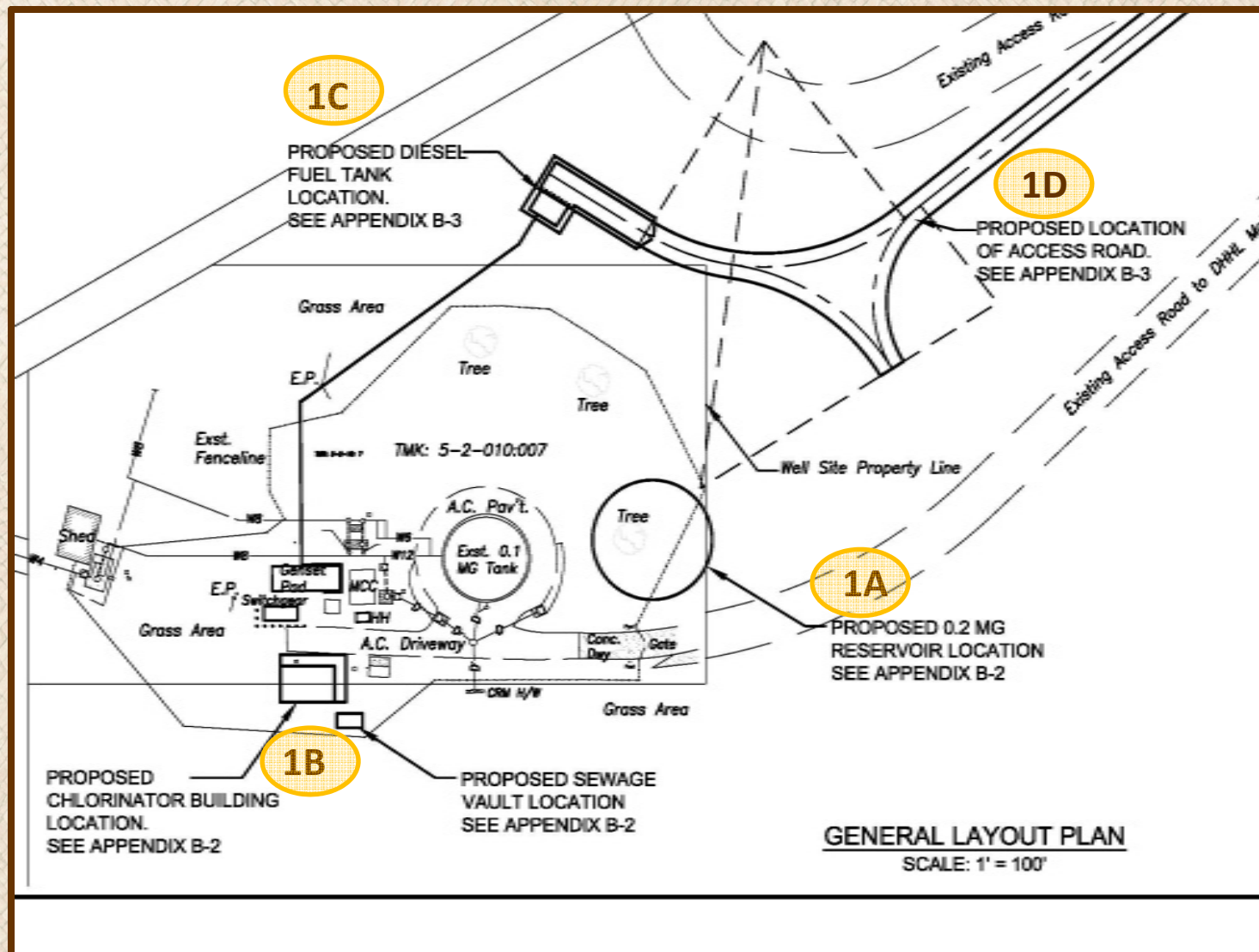
### Four Projects

- 1A: New 200,000 Gallon Water Tank**  
Additional storage for Kalama'ula
- 1B: Replace Chlorination Facility**  
Improve worker safety & increase automation
- 1C: Install Fuel Tank**  
Provide additional fuel supply to operate emergency generator
- 1D: Modifications to Compound**



# Proposed Potable Water Improvements

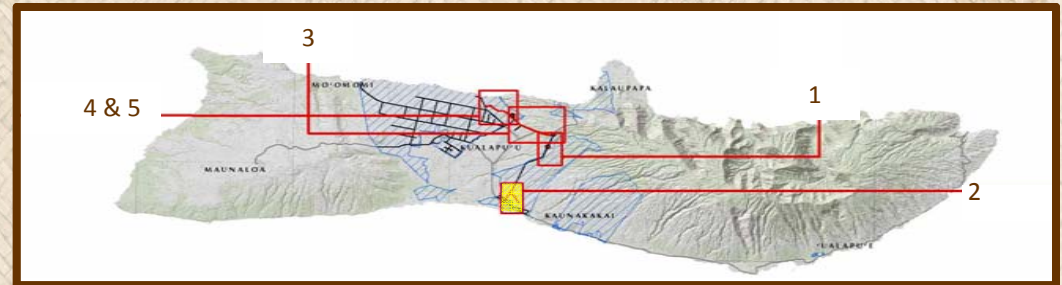
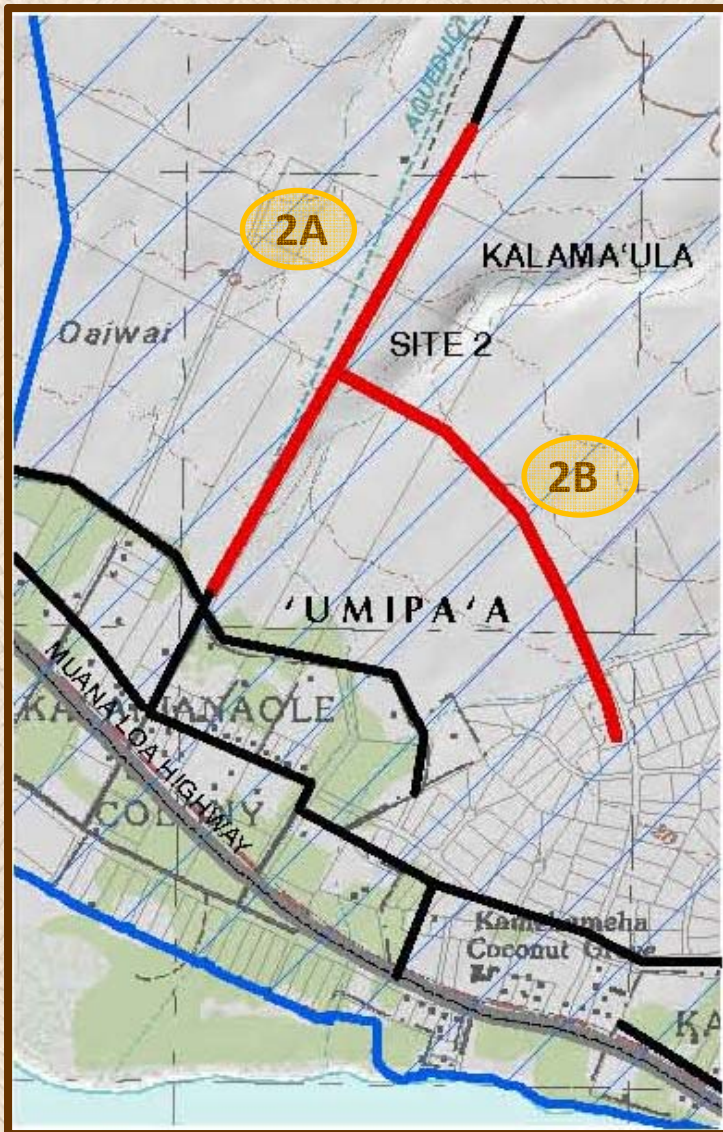
## Site 1- Well Site Compound





# Proposed Potable Water Improvements

## Site 2- Improvements within Kalama'ula



### Two Projects

#### **2A: Replace Access Road**

To ensure access to existing 200,000 gallon Kalama'ula reservoir

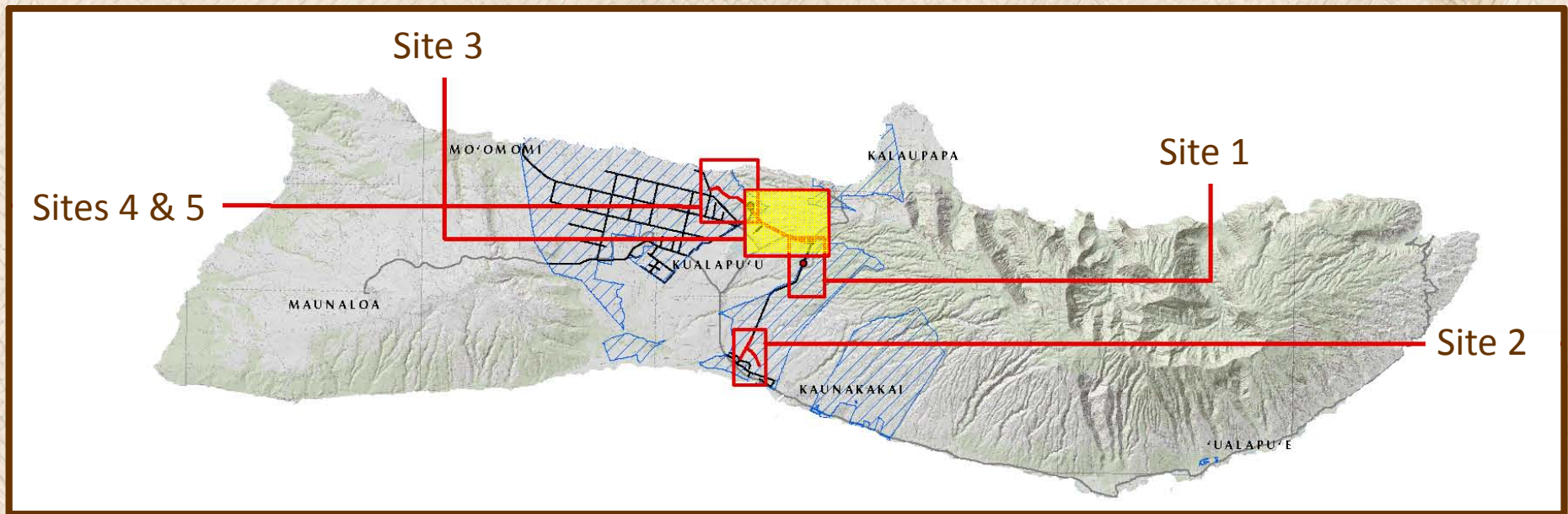
#### **2B: Install Additional Water Line**

Existing system does not loop. The new 12-inch main will extend along the mauka side of the lots along Hā'ena Street.



# Proposed Potable Water Improvements

## Site 3- Kauluwai Tank Site

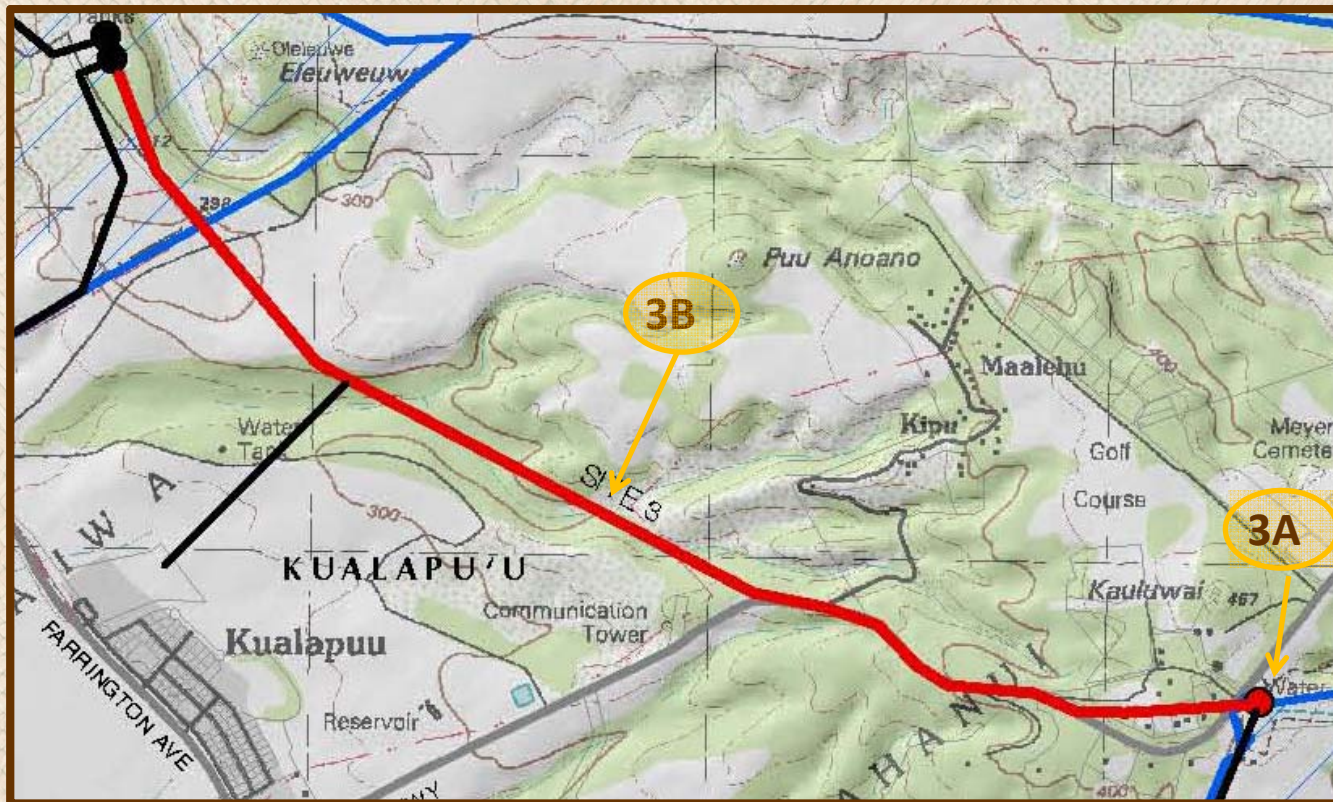


Two Projects



# Proposed Potable Water Improvements

## Site 3- Kauluwai Tank Site



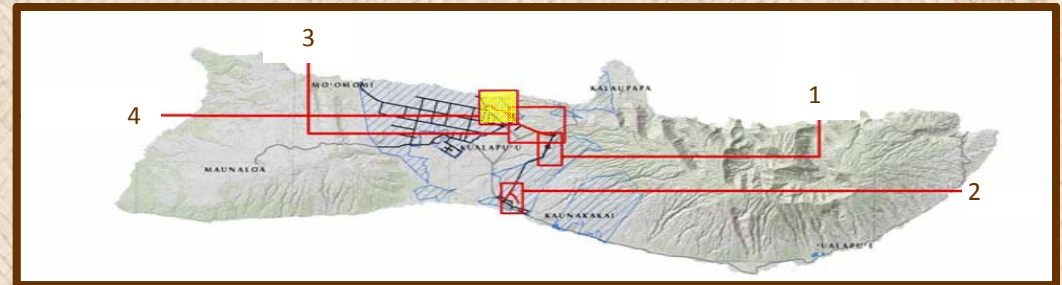
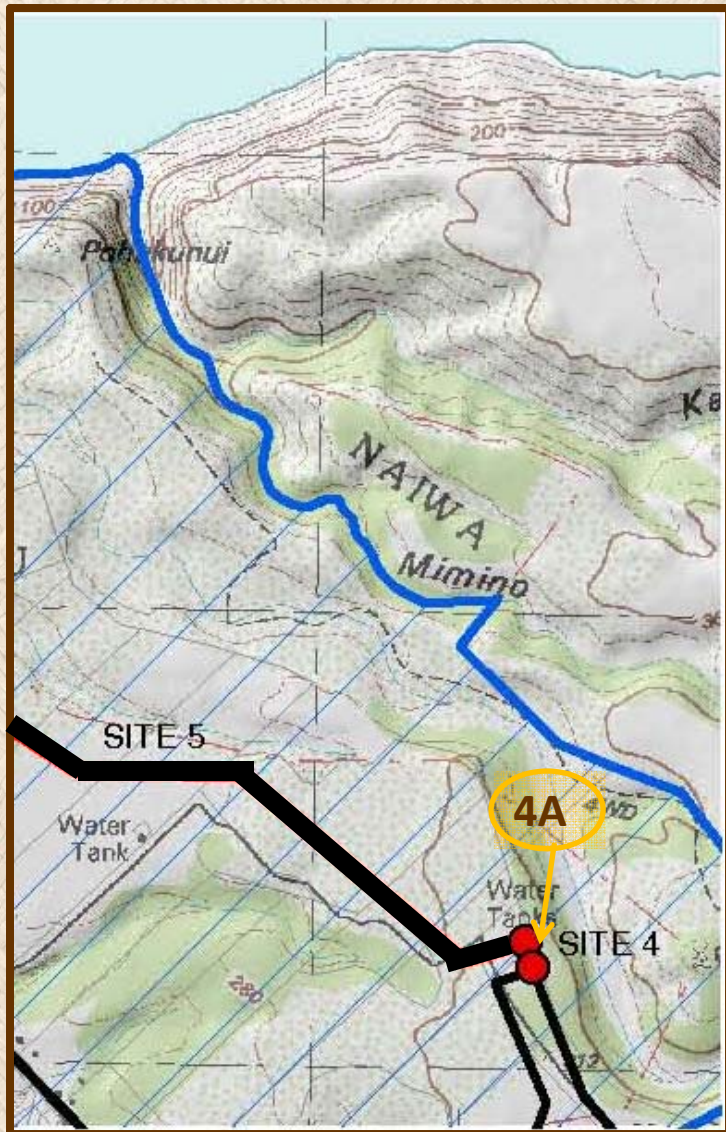
**3A:**Redesign above ground transmission line to maximize use of water stored in tanks

**3B:** Replace Main Transmission Line from Kauluwai Tank to Ho'olehua



# Proposed Potable Water Improvements

## Site 4- Ho'olehua Tank Site



### 1 Project

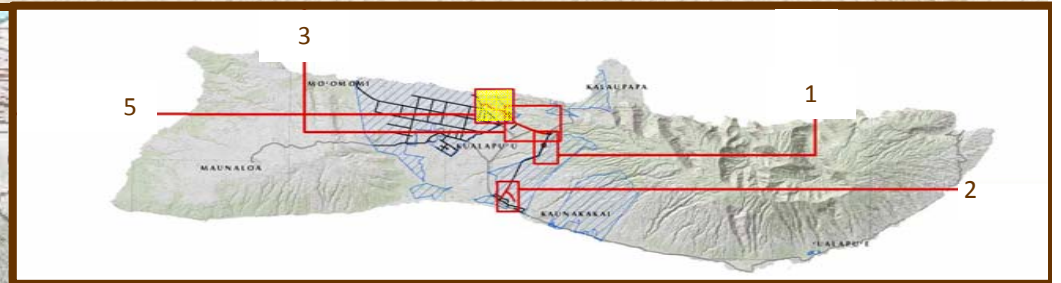
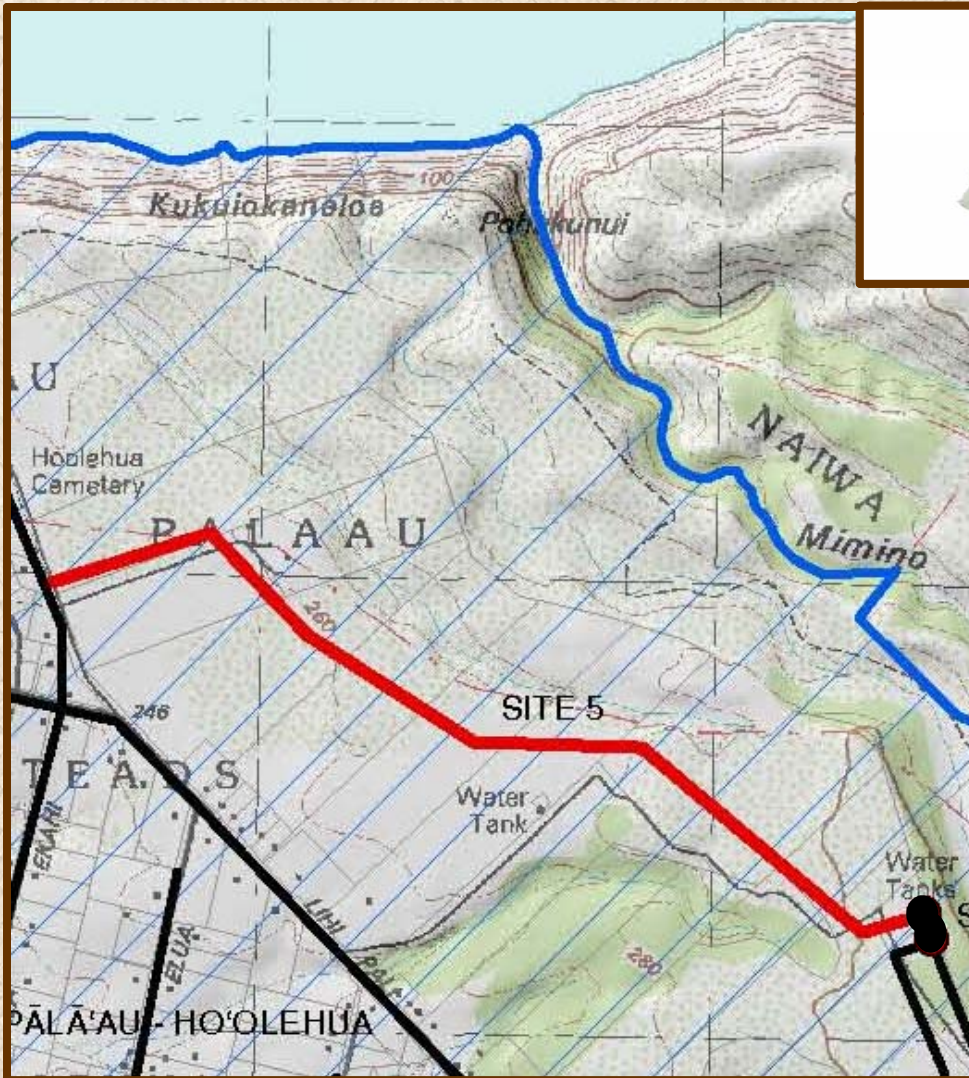
#### 4A: Tank Improvements at Ho'olehua

1. Automate level and flow control valves
2. Replace exposed, corroded pipes and valves
3. Replace exterior ladder



# Proposed Potable Water Improvements

## Site 5- Ho'olehua/Veteran's Cemetery



### 3 Fire Protection Projects

- 5A:** Install new water line from Ho'olehua tanks to Veteran's Cemetery
- 5B:** Construct access road
- 5C:** Install approximately 16 fire hydrants



# USDA-RD Loan/Grant Program

## Application Process

**Completed Step 1**

**Engaged in Steps 2 through 4 at present**

- **Archaeological Survey**
  - Conducted by Pacific Legacy (October 2011)
  - 4-days of field work
  - Data is currently being consolidated



# USDA-RD Loan/Grant Program

## Application Process

- **Biological Survey**
  - Conducted by SWCA
  - Fields surveys completed November 29<sup>th</sup>
  - Data Consolidation underway
- **Preliminary Engineering Report**  
Engineering Underway
- **Consultation**  
On-going



# Open Discussion



# Contact Us

Department of Hawaiian Home Lands  
P.O. Box 1879  
Honolulu, HI 96805



E-mail

Fax

Phone

**Gigi Cairel**      [gigi.o.cairel@hawaii.gov](mailto:gigi.o.cairel@hawaii.gov)

808-620-9279

808-620-9559

PBR Hawaii – Kapolei Office  
1001 Kamokila Boulevard, Suite 313  
Kapolei, HI 96707



**Malia Cox**      [mcox@pbrhawaii.com](mailto:mcox@pbrhawaii.com)

808-521-5631

808-535-3163

# Mahalo!