

# **Station Development Program Farrington Highway Station Group**

**Rail Station Design Community Informational  
Meeting  
Waipahu Middle School Cafeteria**

**June 25, 2013**

# Agenda

## Meeting Purpose

- **Introduce System-Wide programs that responds to the community comments regarding the incorporation of historical and cultural features into the station designs**

## Project Update

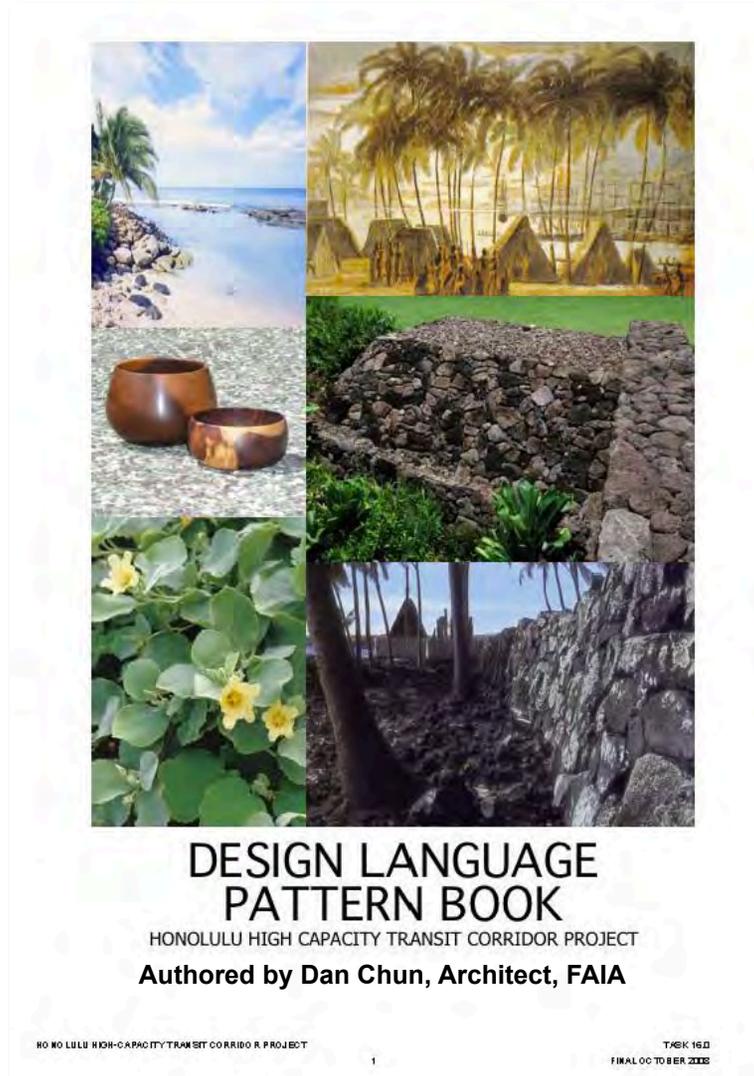
### Historical and Cultural Reports and References

- **Design Language Pattern Book**
- **Archaeological Inventory Survey Reports**
- **Traditional Cultural Property Reports**
- **Community Input**

### Station Development Programs

- **Aesthetic Column Program**
- **Station Naming Program**
- **Interpretative Signage Program**
- **Station Plaza Paving Program**
- **Station Art Program**
- **System-Wide Station Standardization Program**

# Design Language Pattern Book



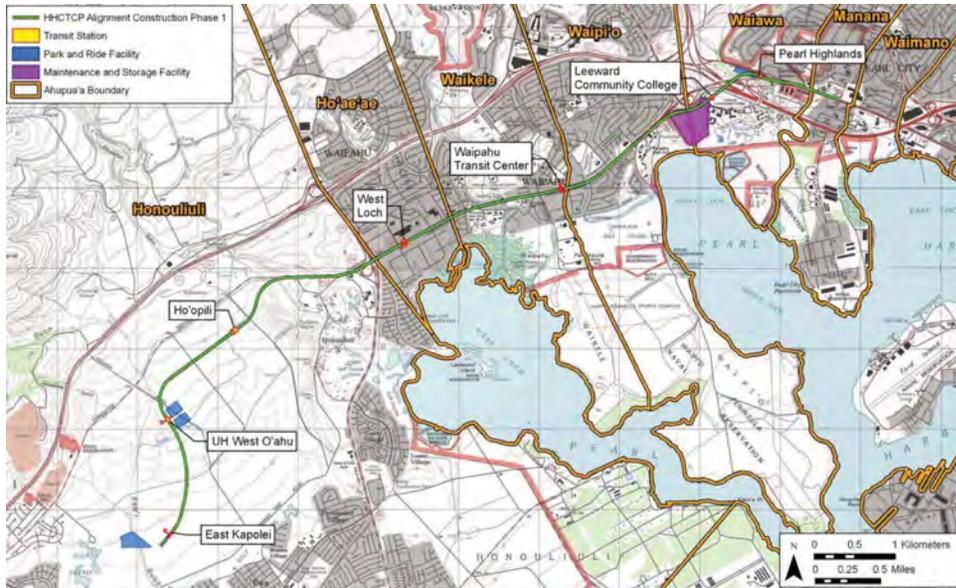
*“A guide for the station colors, textures, finishes and architectural enhancements”*

*- Design Language Pattern Book*

*“Site conditions, site circumstances, technical issues, budgets and numerous other considerations will shape final design.”*

*- Design Language Pattern Book*

# Archaeological Inventory Survey Reports



Authored by Cultural Surveys Hawaii, Inc.

## Account of the Natural Environment

- Soils, Rainfall, Terrain & Waterways

## Historical Background

- Political and Cultural
- Agricultural
- Land use and Ownership
- Military

## Mythological and Traditional Accounts

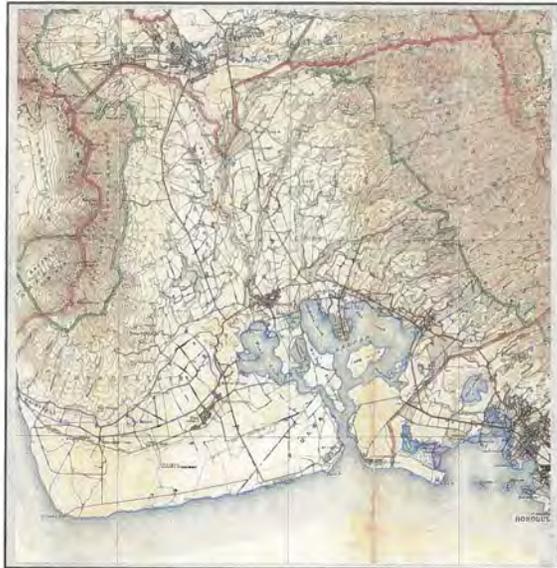
- Hawaiian Mo'oleo (legends)

# Traditional Cultural Properties Study

Kumu Pono Associated LLC Study No. 131 (April 21, 2012)

HE MO'OLELO 'ĀINA—  
TRADITIONS AND STORIED PLACES  
IN THE DISTRICT OF 'EWA AND  
MOANALUA (IN THE DISTRICT OF KONA),  
ISLAND OF O'AHU

A TRADITIONAL CULTURAL PROPERTIES STUDY –  
TECHNICAL REPORT



Portion of Oahu Topographic Map Depicting Lands of Study Area (1938)

Kumu Pono Associates LLC



Historical & Archival Documentary Research · Oral History Interview Studies ·  
Researching and Preparing Studies from Hawaiian Language Documents ·  
Māhele 'Āina, Boundary Commission, & Land History Records ·  
Integrated Cultural Resources Management Planning ·  
Preservation & Interpretive Program Development

Authored by Kumu Pono Associates,  
Kepa Maly & Onaona Maly

*“ The City shall undertake a study,  
at the request of the consulting parties,  
to determine the presence of previously  
unidentified Traditional Cultural  
Properties Reports ....”  
-Programmatic Agreement, II.A*

## Examination of the Cultural and Historical records

- Major Mo'olelo (legends) and Themes
- Identified Inoa 'Āina (named places)
- Create Site Maps to locate Inoa 'Āina
- Identify eligible sites for submittal to  
National Registry

# Station Related Community Comments

## (Previous Meeting Held April 14, 2009)

**Walls:** Use lava rock in the station design

Lava rock veneer is being incorporated on various portions of the station walls.

**Colors:** Incorporate earth tone colors

Earth tone colors are incorporated in the station paint schemes.  
(Greens Browns, Beiges & Reds)

**Landscaping:** Use indigenous plants

Indigenous Plants are being incorporated in the Station  
Landscape areas.

**History:** Display photos, statues, murals, etc.,  
that depict the plantation history of the area

The rich history and culture of the area will be incorporated  
throughout the Station and Plaza areas through the use of cultural  
paving, column aesthetics and on interpretive signage that includes  
educational verbiage and graphics.

**Incorporate Solar Power**

A system-wide solar photovoltaic program is under consideration.

**Include Ironwork reflecting plantation life**

Metal architectural fencing as well as in metallic sugarcane artwork  
will be incorporated into the Waipahu Station landscaping.

**Provide replica of the Mill Town Smokestack**

The sugar mill buildings will be celebrated by incorporating images  
into the Aesthetic Column Program at Waipahu Station.

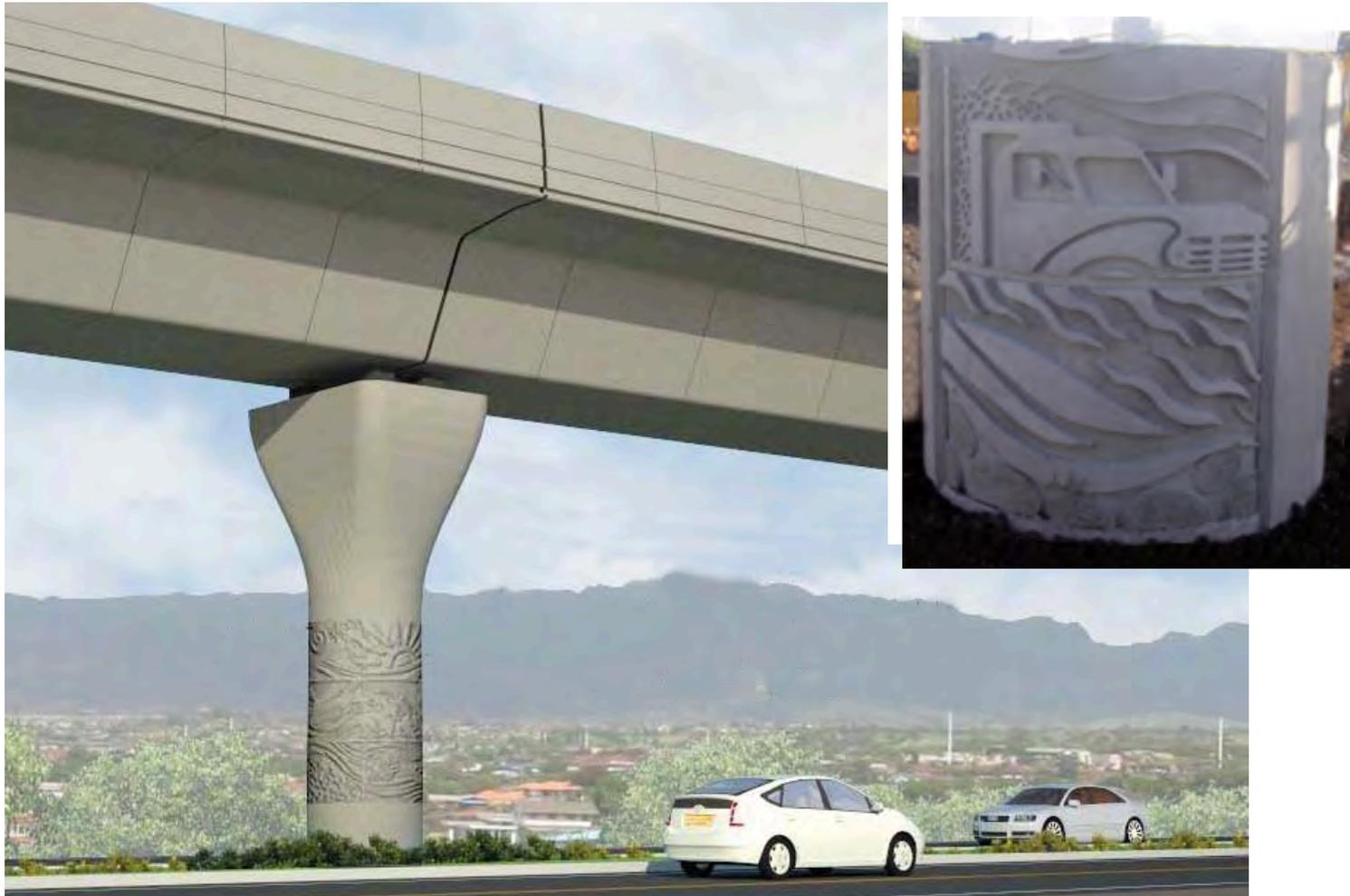
**Consider Corrugated Sheet Metal: Totan Roofing**

Metal roofing was incorporated in the station canopy covers.

**Wood roofs**

Wood is not used in stations due to local fire codes.

# Aesthetic Column Program



# Aesthetic Column Program

## Example of Station Column Treatment Design



The history and stories that celebrate the past while acknowledging the present day existence that surrounds each station site...



# Aesthetic Column Program

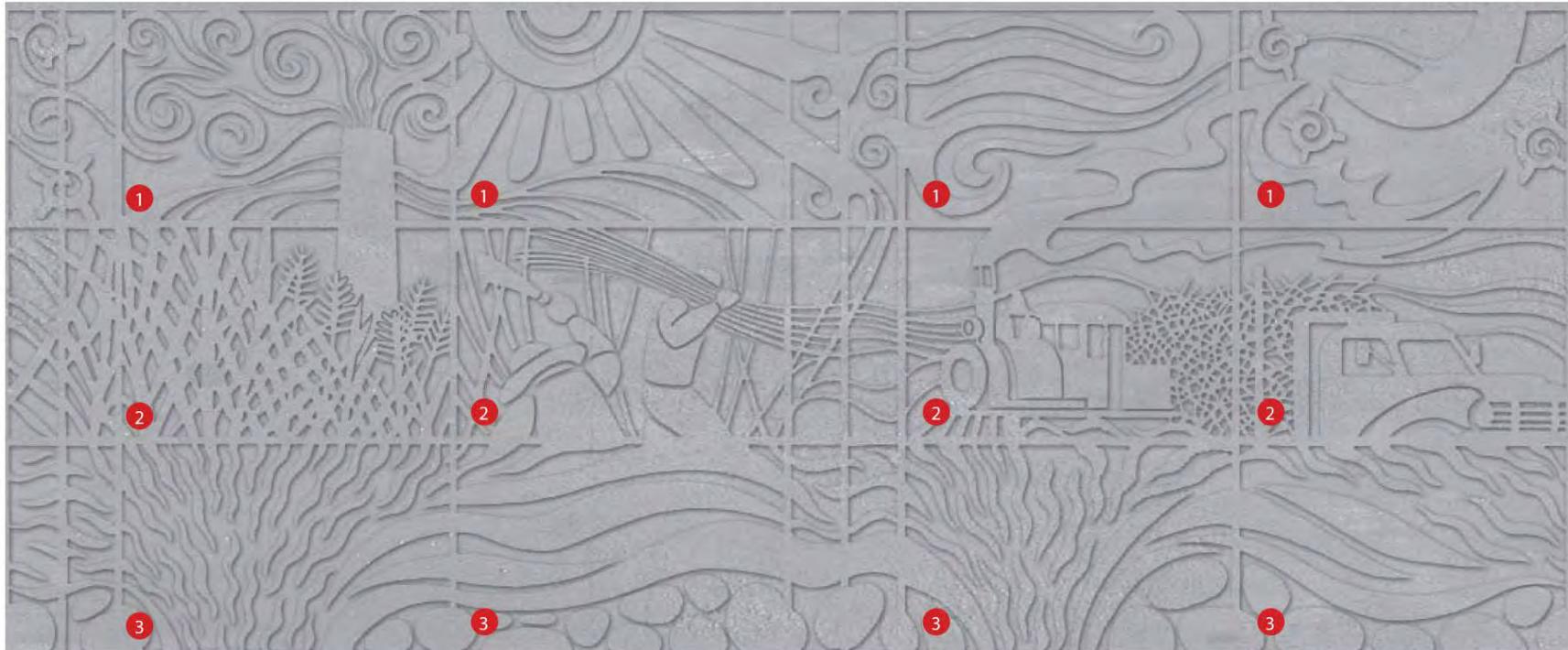
## West Loch Station Columns



The history and stories that celebrate the past while acknowledging the present day existence that surrounds each station site...

# Aesthetic Column Program

## Waipahu Transit Center Station Columns



1. SUGAR MILL STACK  
- A visual icon of Waipahu

2. KŌ  
- Sugar cane, a staple crop of Waipahū

3. NATURAL GUSHING SPRINGS  
- Wai - water; Pahū - burst or gush.

1. LĀ, SUN  
- Necessity for cultivation

2. IMMIGRANT WORKERS  
- Cutting the sugar cane

3. WATERS OVER RED SOIL

1. GREAT BIRD  
- From the legend of Maui & Pe'ape'amakawalu, which took place in Waipahū

2. KĀ'A AHI KŌ  
- Trains bring the fresh cut sugar cane to the mill

3. NATURAL GUSHING SPRING

1. BAT, CRESCENT MOON  
- Bat from the legend of Maui & Pe'ape'amakawalu. The moon signifies the time of the Makahiki.

2. KALAKA KŌ  
- Trucks bring the cut cane to the mill in more modern times

3. WATERS OVER RED SOIL

# Station Art Program



*Departures and Arrivals, Ben Snead, MTA, New York City Transit*



*See It Split, See It Change, Doug & Mike Starn, MTA, New York City Transit*

## Site-specific Art Opportunities will include:

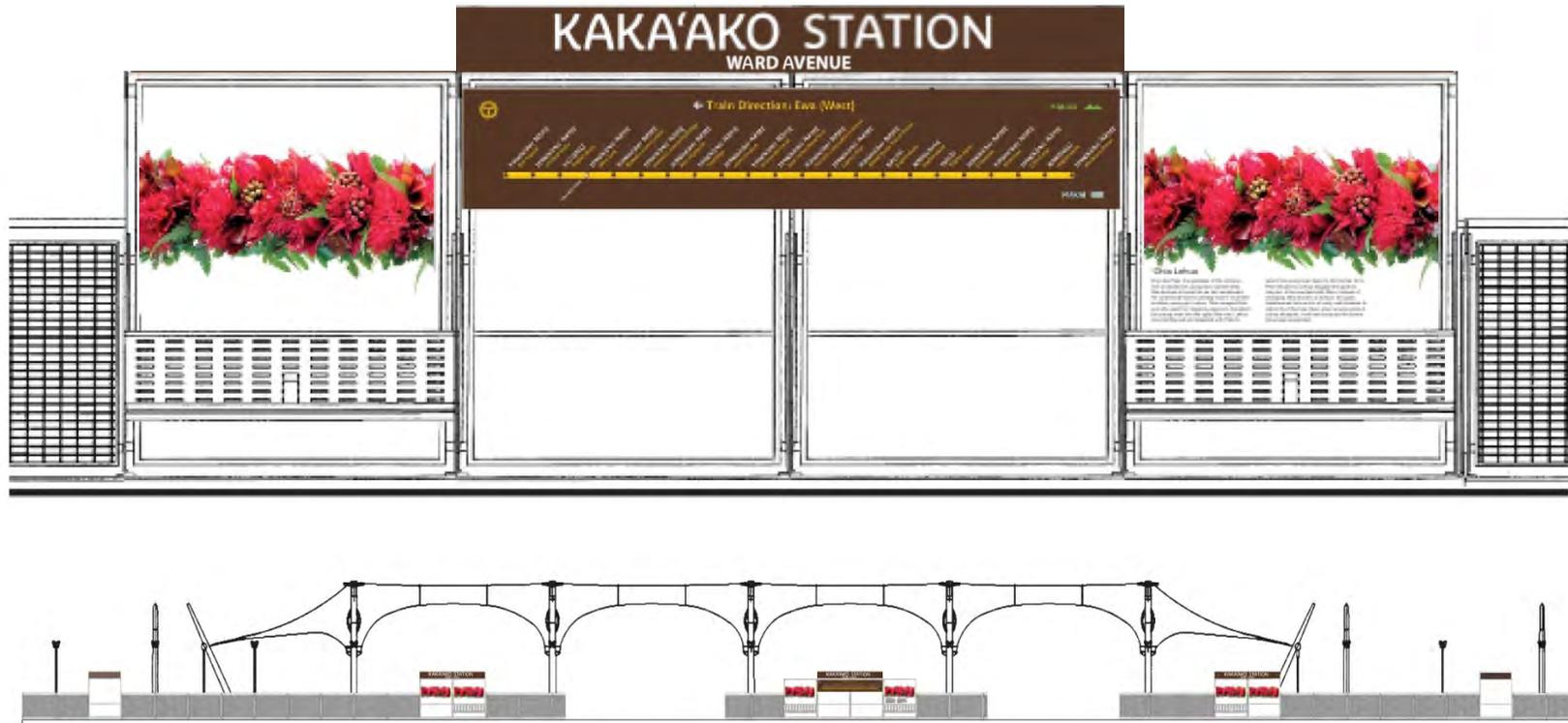
- Wall reliefs and murals
- Grille and fencing
- Paving designs and patterns
- Other integrated elements

## Types of materials:

- Metal
- Stone
- Glass
- Concrete
- Ceramic
- Mosaic tile
- Other durable materials impervious to environmental conditions

## Examples of Station Art

# Station Art Program



*A selection of flowers and plants used in the lei will be celebrated on each station platform windscreen. Educational interpretative text that highlights the cultural significance or traditions of the plant selection will be included.*

## Windscreen Design

# Interpretive Signage Program

## *Hawaiian Quilts: Lei of Love*

**T**he boldly graphic floral designs of Hawaiian appliqué quilts remind us that love and respect for nature permeated every aspect of Hawaiian traditional culture. There is perhaps no more romantic and universally recognized symbol of that love than the Hawaiian *lei*. Flowers, ferns and other foliage, as well as feathers, seeds and shells were strung, entwined, braided, or knotted to form *lei*. An integral part of everyday life, early accounts told of native Hawaiian women who “delight in flowers and wear wreaths on their heads . . . in the most beautiful way . . . always well chosen and in good taste.”



Hula dancers bedecked in *lei*, pre-1900s.



Wearing a variety of flower and seed *lei*, hula dancers pose in the studio, pre-1900s.

In the language of Hawaiian chant, music and dance, many words had hidden meanings (*kaona*). Poetic references to *lei* really spoke of love and lovemaking. “Fragrant ginger, *‘ilima*, *lehua*, *matie* and fern” described the sweethearts themselves. Beloved children, *nā pua* (flowers), also were called *lei*. Romantic love also found expression in the mists, rains, and the coolness of the upland forests. Many of the old Hawaiian quilt pattern names were likewise “shrouded in the mists of metaphor.” Where more fitting than on their *kapa*—their bed quilts—should be expressed the language of love?

Quilts, like the *lei* of old, carried the *aloha* and the *mana* (power or spirit) of the maker and were seldom shared outside the *‘obana* (family) lest some harm befall the maker. Quilts

might be burned on the death of the quilt maker, or the quilter might be buried with her quilts in much the same way that *lei* might be dismantled or burned.

Precious feather, seed and shell *lei* were carefully stored when not in use. In many families, Hawaiian quilts were also carefully stored away and displayed on beds only for special occasions. Children were raised knowing it was forbidden to ever sit on a quilt.



Hula Dancers at Iolani Palace, Kāhala’s birthday, 1886.

Mission Houses Museum, Honolulu

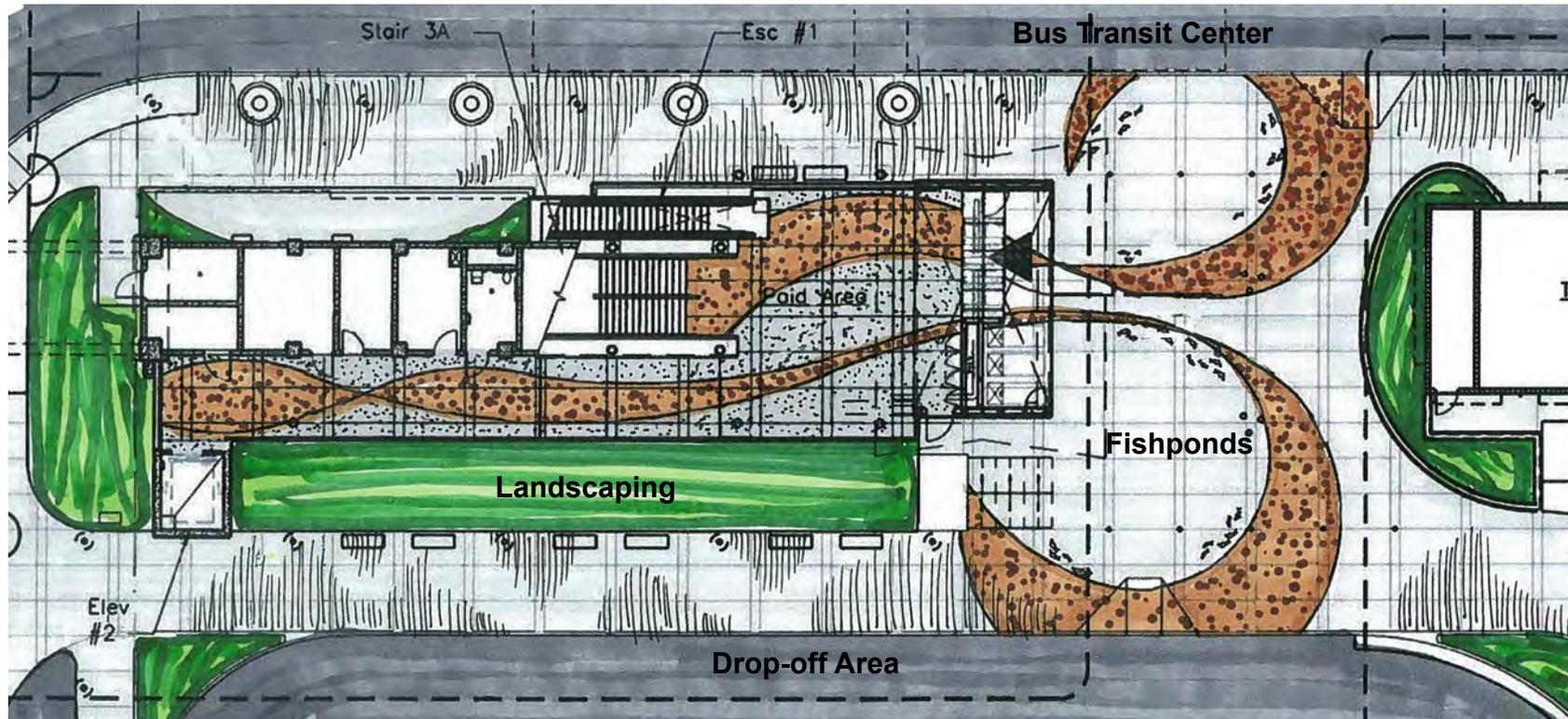
**“The interpretative plan will highlight historical themes (e.g. Native Hawaiian History, Native Hawaiian Culture, Immigrant History, Plantation Culture, Architecture, Government, Agriculture, Transportation, Military, etc..) and will interpret these themes at an appropriate station location.”**

**-Programmatic Agreement, VII.A**

## Examples of Interpretive Signage

# Station Plaza Paving Program

## West Loch Station – Makai Entrance



*The paving is a canvas that can reflect and celebrate the natural and historical landscape of each respective ahupua'a. Hō'ae'ae - a floodplain area watered by inland springs, that had fish ponds now known as West Loch on the north shore of the bay.*

# Station Naming Program

**HAWAIIAN STATION NAME**  
**STATION LOCATION**

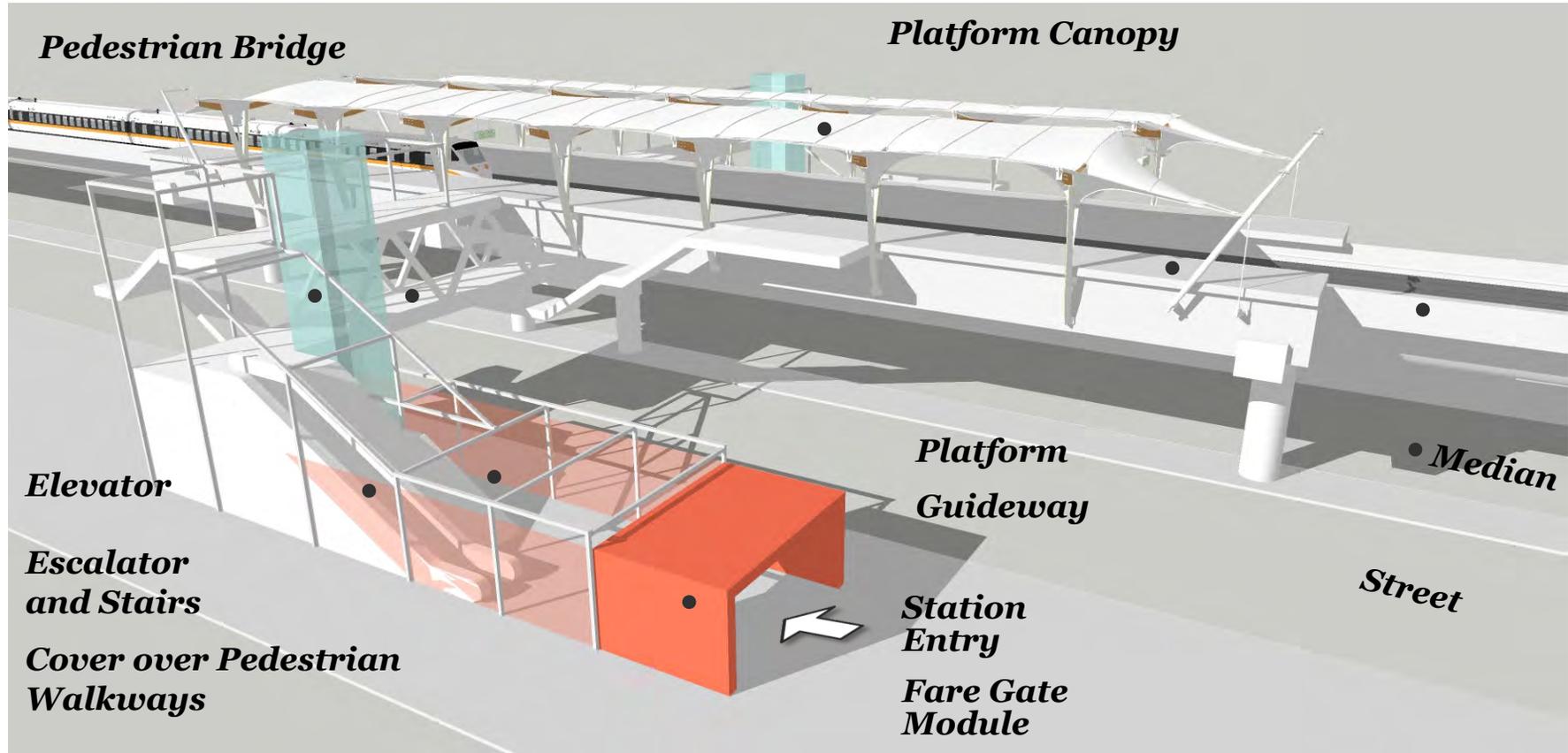


## Station Entry Module

*“ Provide a functional identity for the system as a whole through the use of standard elements that will enhance wayfinding and ease-of-use for patrons, while also improving cost-effectiveness.”*

*-Compendium of Design Criteria*

# Station Standard Components & Function



## Supports & Structures

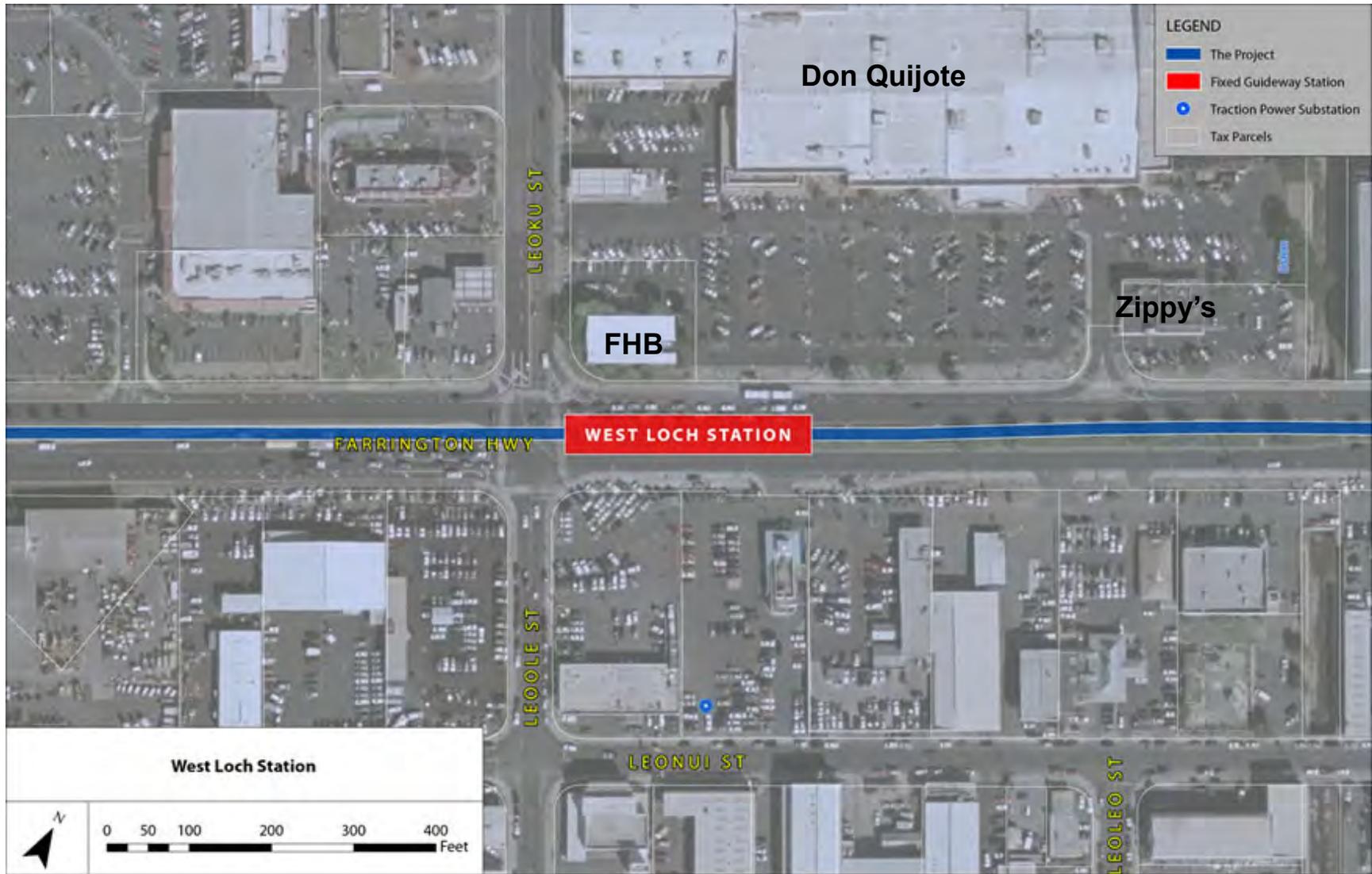
# System-Wide Station Standardization Program

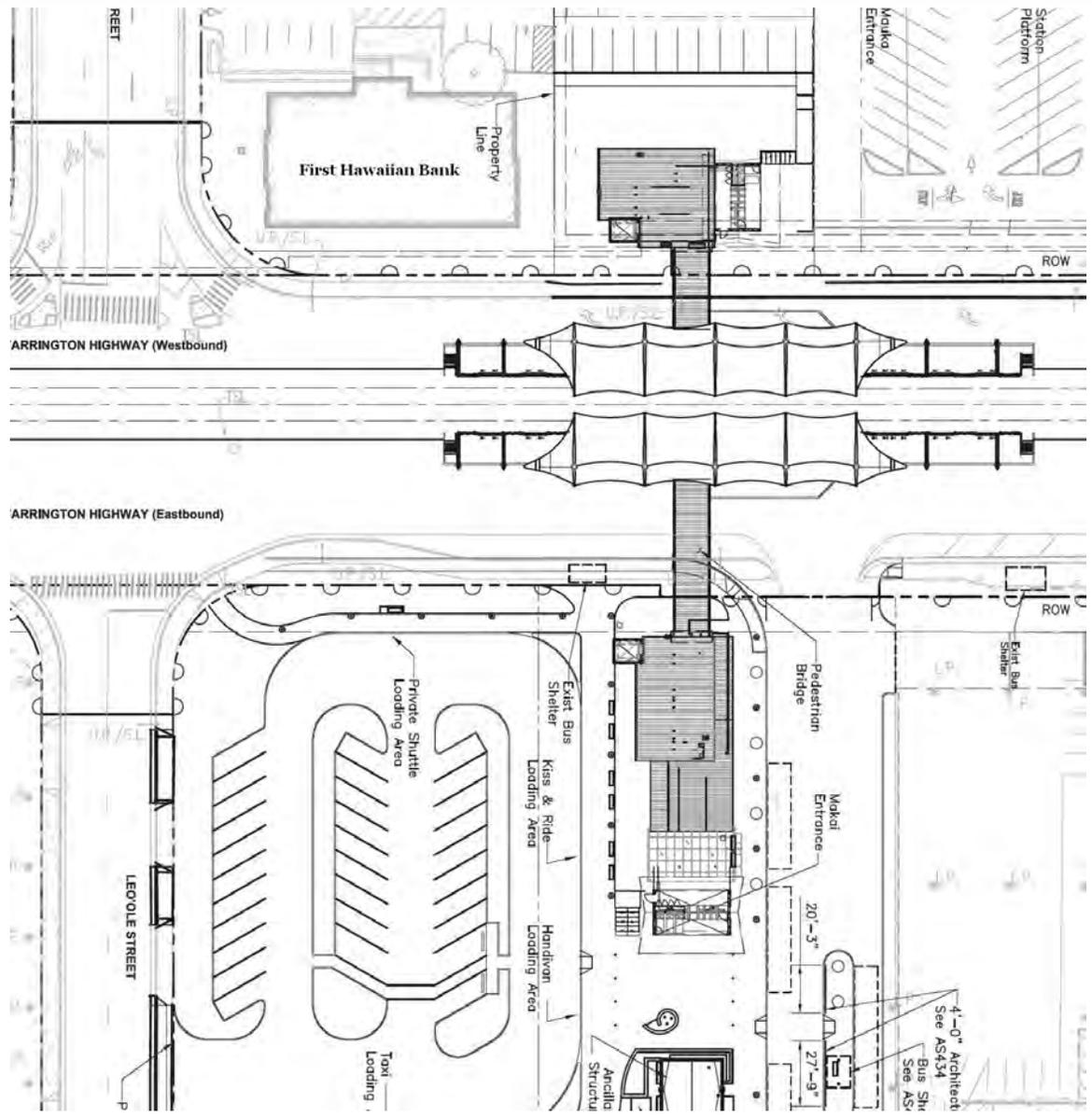


**Architectural Rendering of Platform Canopy**

# West Loch Station

# West Loch Station Site Context





## West Loch Station – Overall Site Plan



**West Loch Station – Aerial View**



## West Loch Station – Makai Entrance

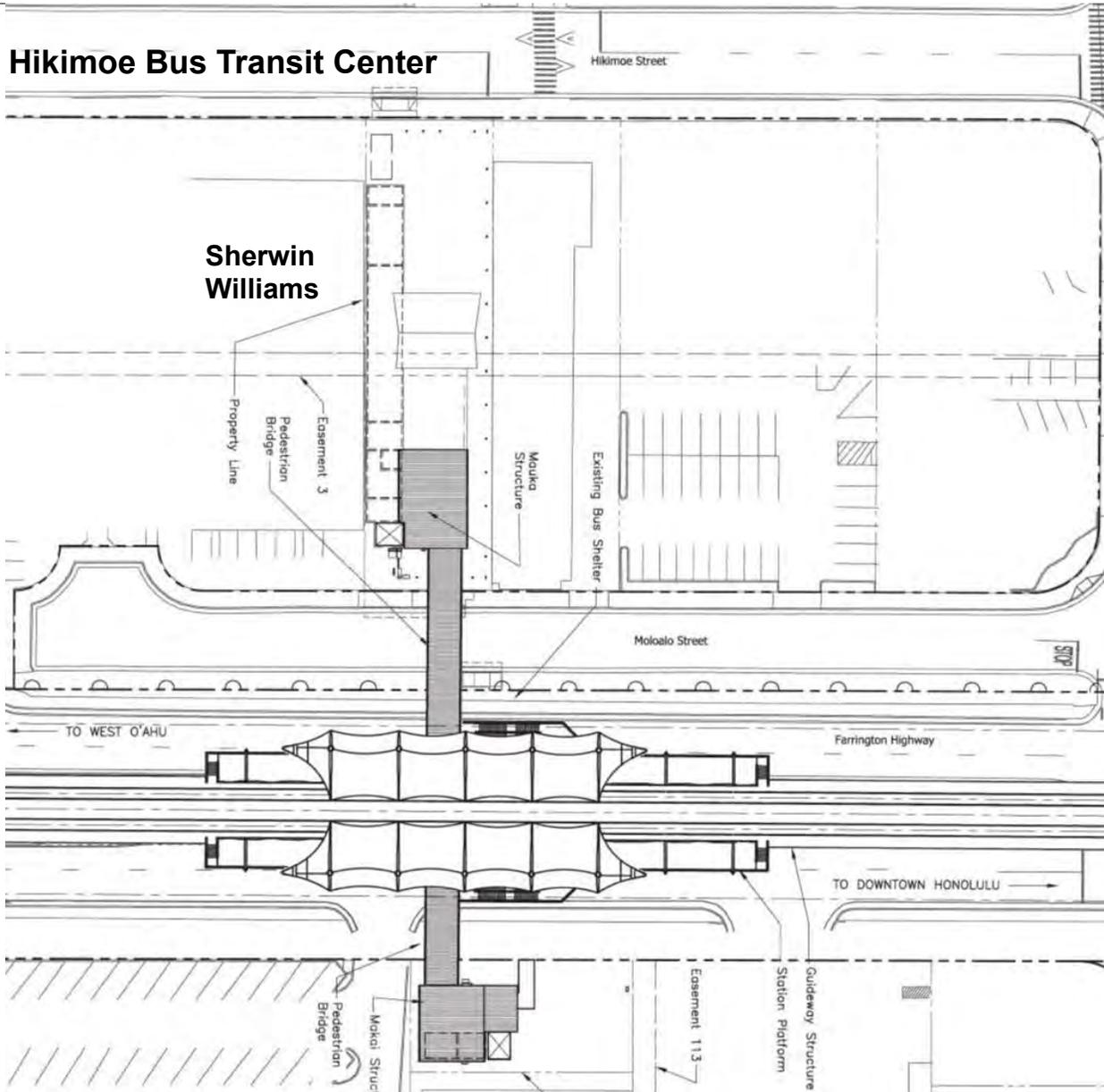


## West Loch Station – Mauka Entrance

# Waipahu Station

# Waipahu Station Site Context





## Waipahu Station – Overall Site Plan



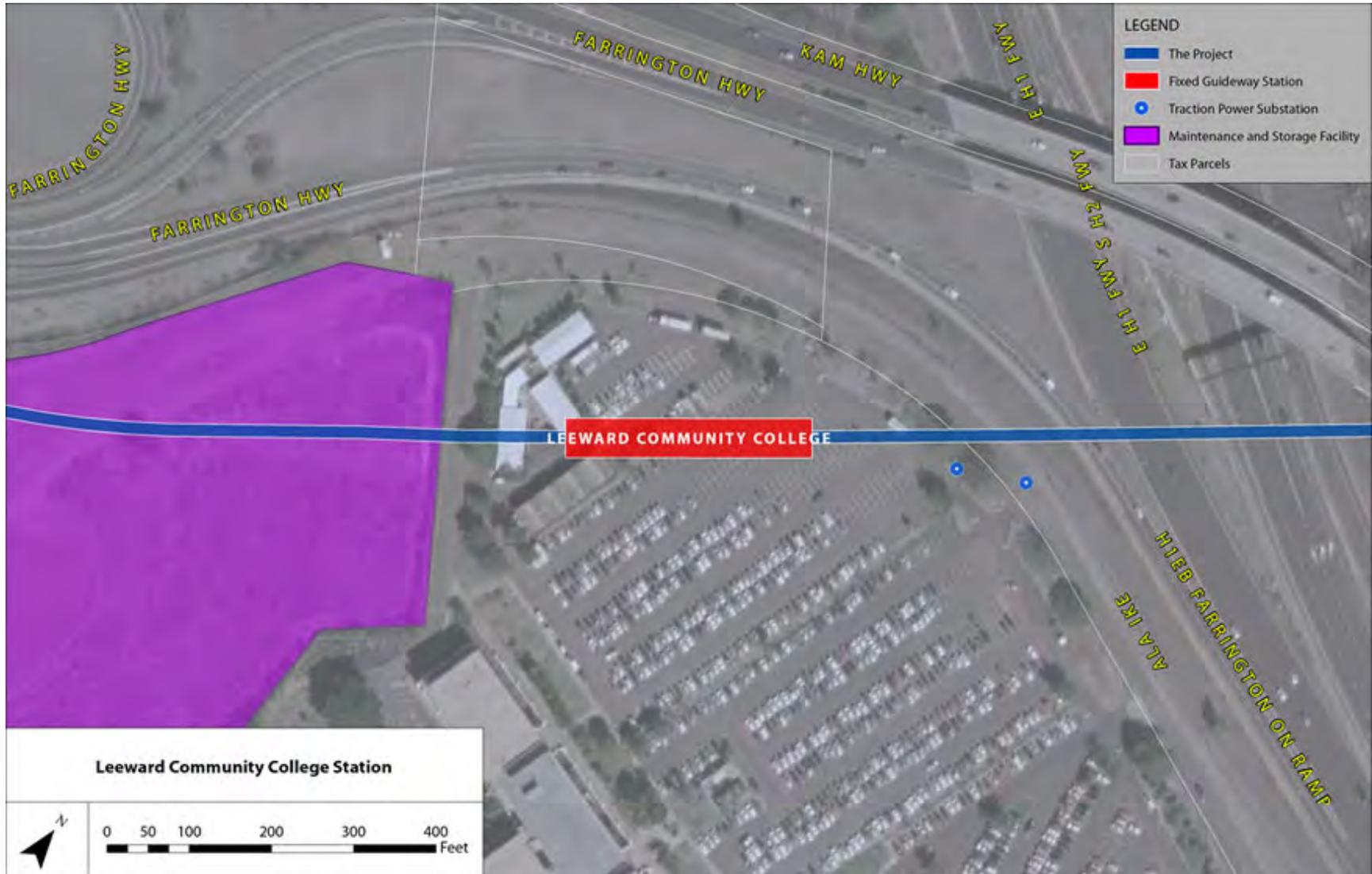
## Waipahu Station – Aerial View

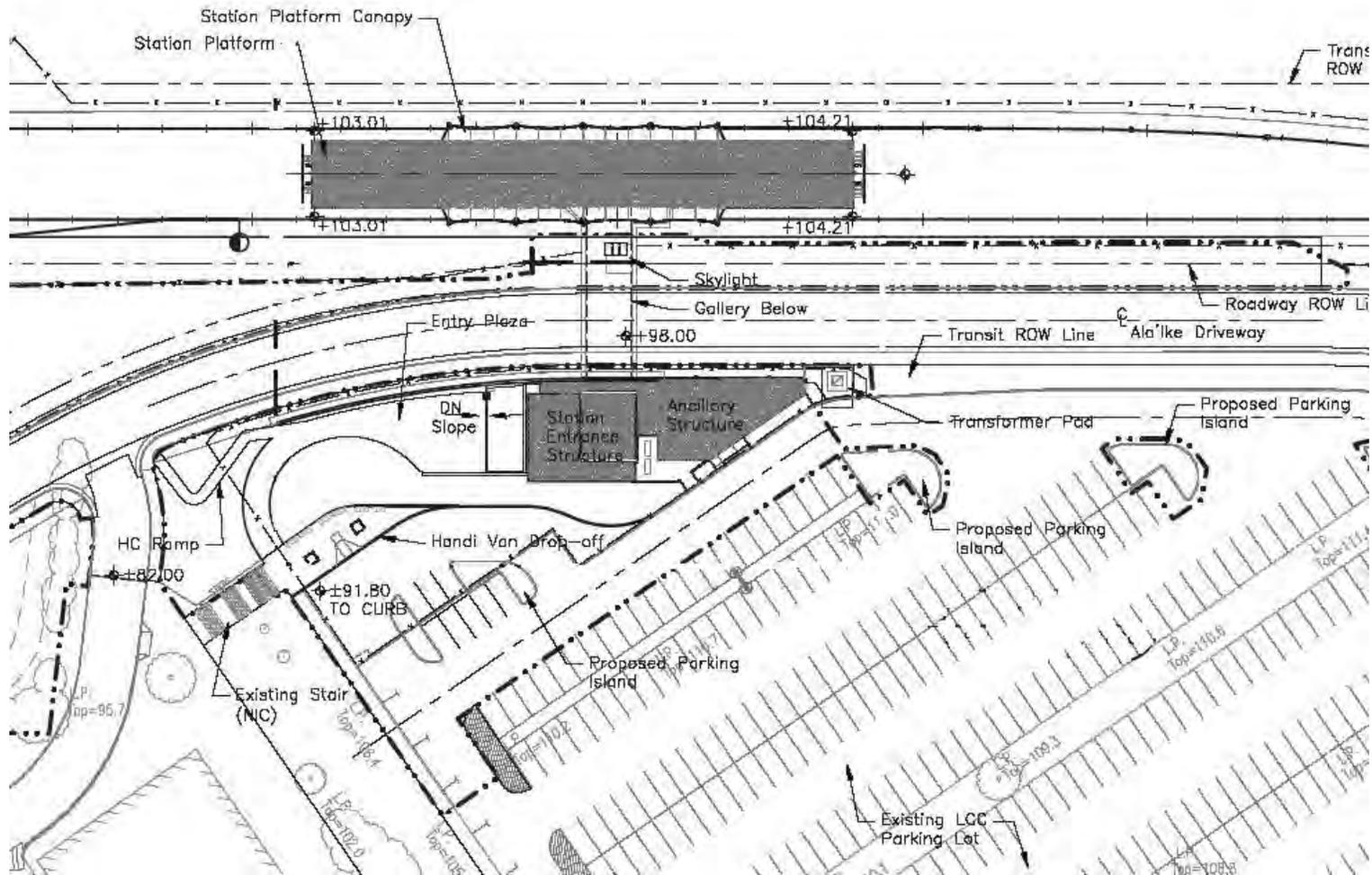


## Waipahu Station – Mauka Entrance from Hikimoe

# Leeward Community College Station

# Leeward Community College Site Context





## Leeward Community College Station – Overall Site Plan



## Leeward Community College Station – Exterior Views



## Leeward Community College Station – Exterior Views

# Q & A

