

# CELEBRATE WAIPAHU! Waipahu TOD Action Plan



### **SHADE INTERN CREW**

AUSTIN CHUN ANN MOTONAGA REGINA AMIROVA BREEANNA GARCIA MARIA PETROVA KEELAN OKAZAKI KRISTEN PATINO

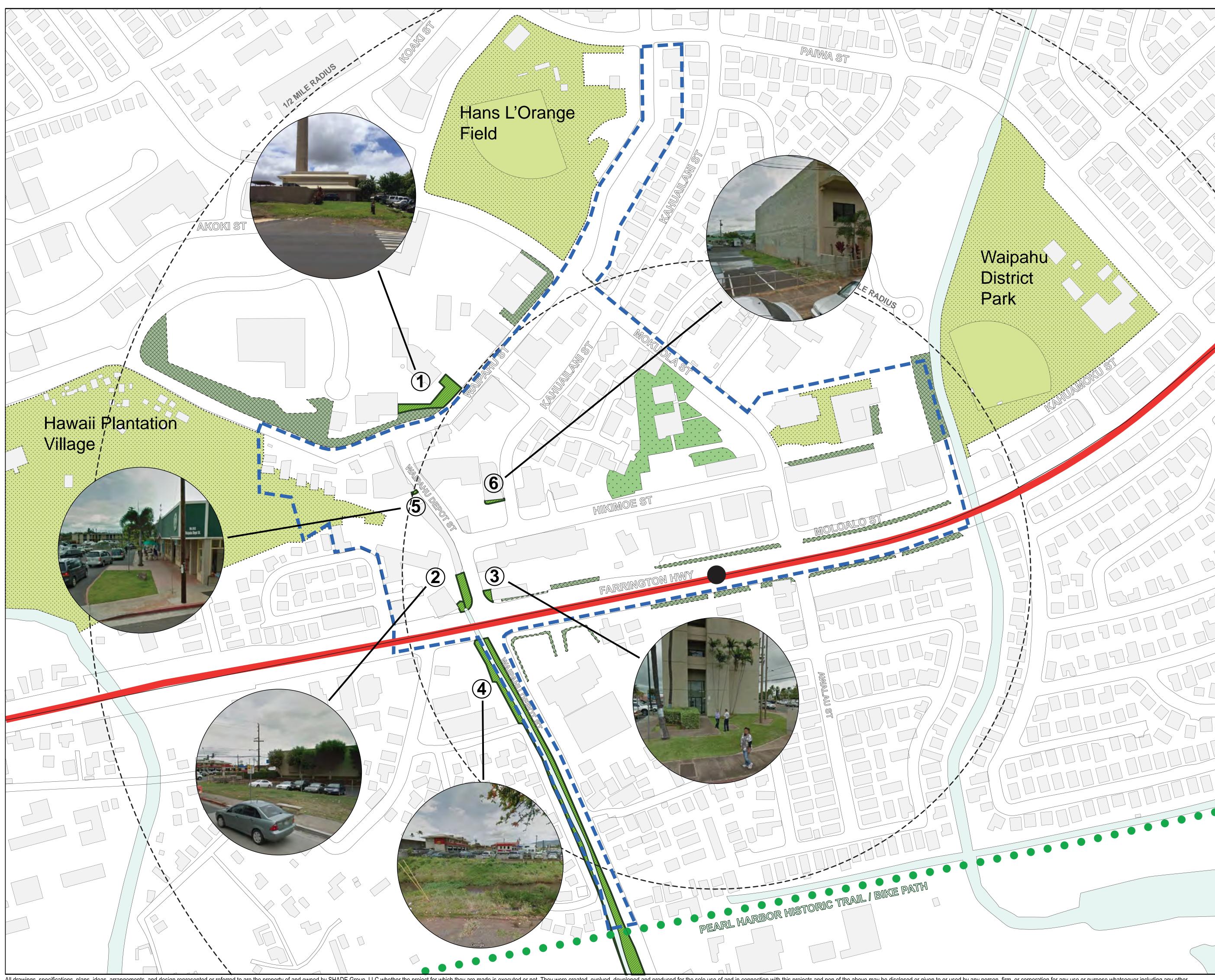
## DOCUMENTATION AND MACRO-ANALYSIS PRESENTATION

06/29/2016





They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Gro permission of SHADE Group, LLC. firm, or corporation for any use or purpose whatsoever including any other



All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

LEGEND:

Rail
 Rail station
 Pearl Harbor Historic Trail/Bike Path
 TOD Boundary
 Passive green space (landscape)
 Active green space (parks/trails)
 Private green space (fenced)
 Opportunity lots

## NOTES:

Although located between 3 large parks the area itself lacks greenery and pervious surfaces. A few green islands can be found around the site and adopted for the public use:

- 1. Closed YMCA Driveway
- 2. Stream Entrance
- 3. Corner of Souido-Alquero Bldg
- 4. Kapakahi Stream Walk
- 5. Waipahu Festival Marketplace Entrance
- 6. 94-862 Kahuailani Street



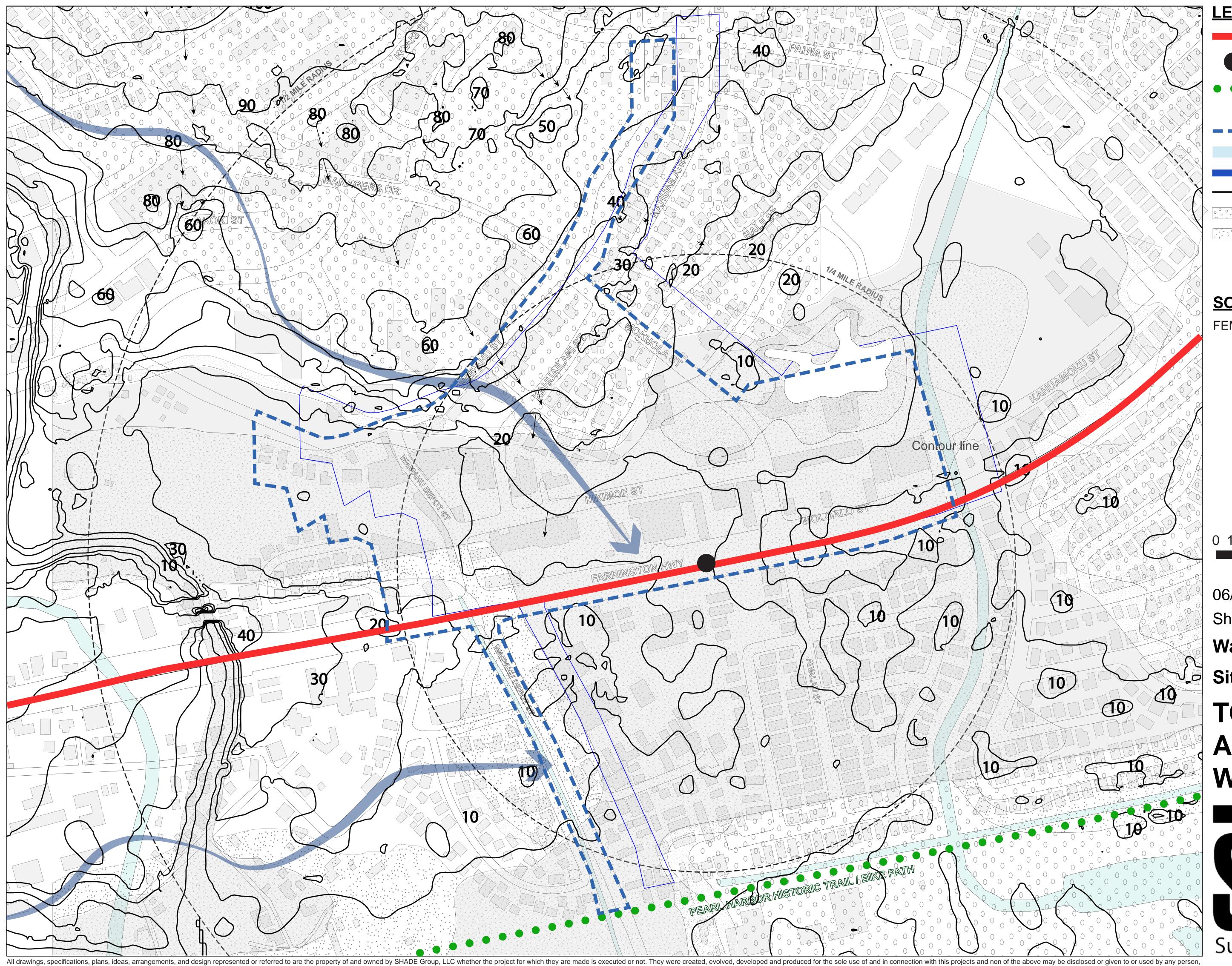
06/29/2016 05:00 pm M. P. Sheet 2 of 11

Waipahu TOD Action Plan

Site Analysis

# OPEN SPACE DIAGRAM





firm, or corporation for se or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

## LEGEND:

- Rail
- **Rail Station**
- Pearl Harbor Historic Trail Bike Path
- TOD Boundary
- Flood Zone
- Water Flow Direction
- Contour line
- Bigh land
- Low land

## SOURCES:

FEMA Flood Map Service Center



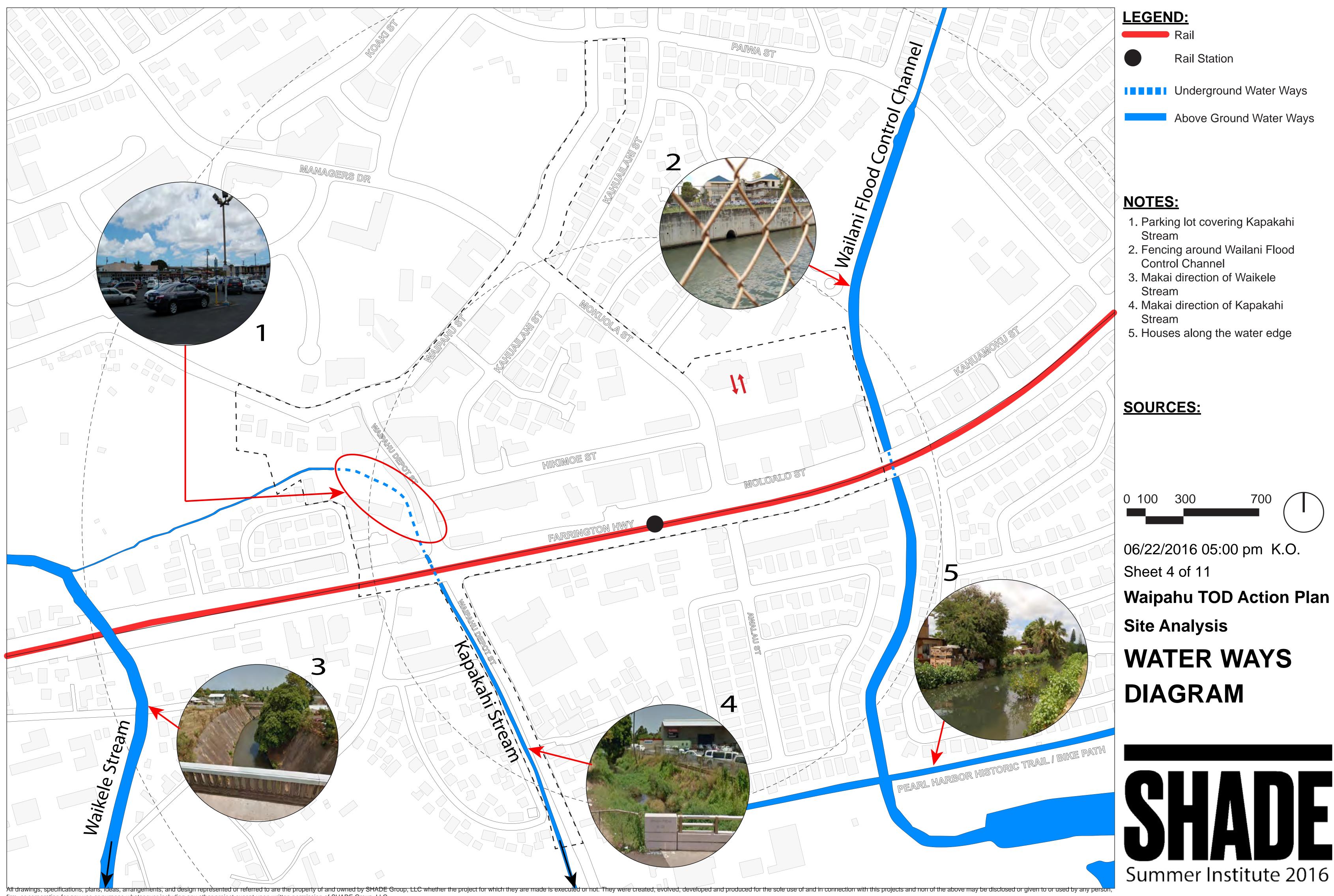
06/28/2016 05:00 pm R.A. Sheet 3 of 11

Waipahu TOD Action Plan

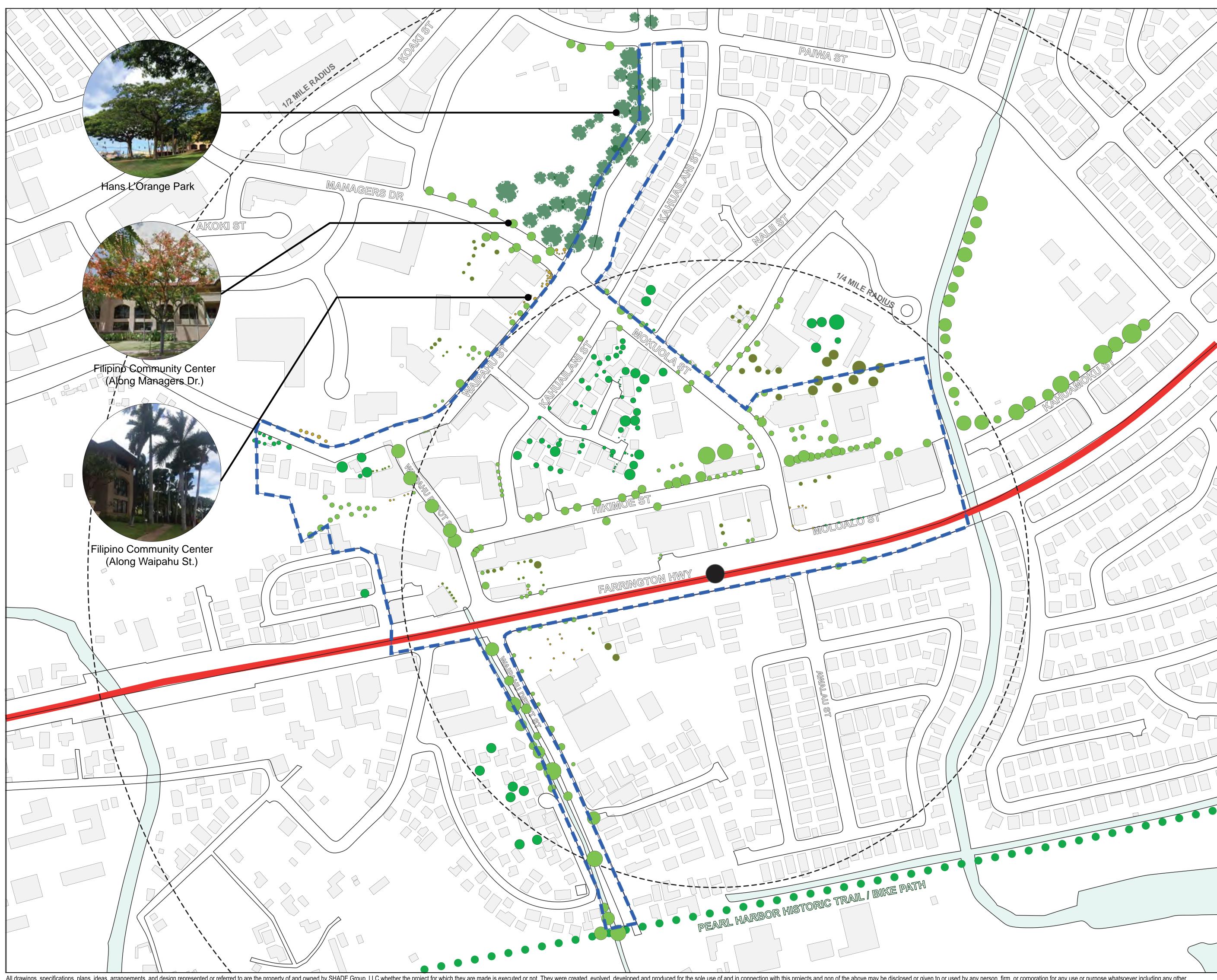
Site Analysis

# TOPOGRAPHY **AND SURFACE** WATER DIAGRAM





firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.



All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

### LEGEND:

- Monkeypod Trees
- All Other Tree Species
- Palm Trees
- **Residential Trees**
- Interior Parking Trees
  - Railway
    - Station
- Pearl Harbor Historic Trail/ Bike Path
- TOD Boundary

## NOTES:

Preservation of Monkeypod Trees Overgrown roots is to be addressed re-

garding W. Depot St. trees

Other trees species need to be confirmed with landscape architect

## **SOURCES:**

SHADE Interns Site Visit (for on-street trees) and Google Earth (for residential and on-street confirmation)



06/29/2016 05:00 pm B.G.

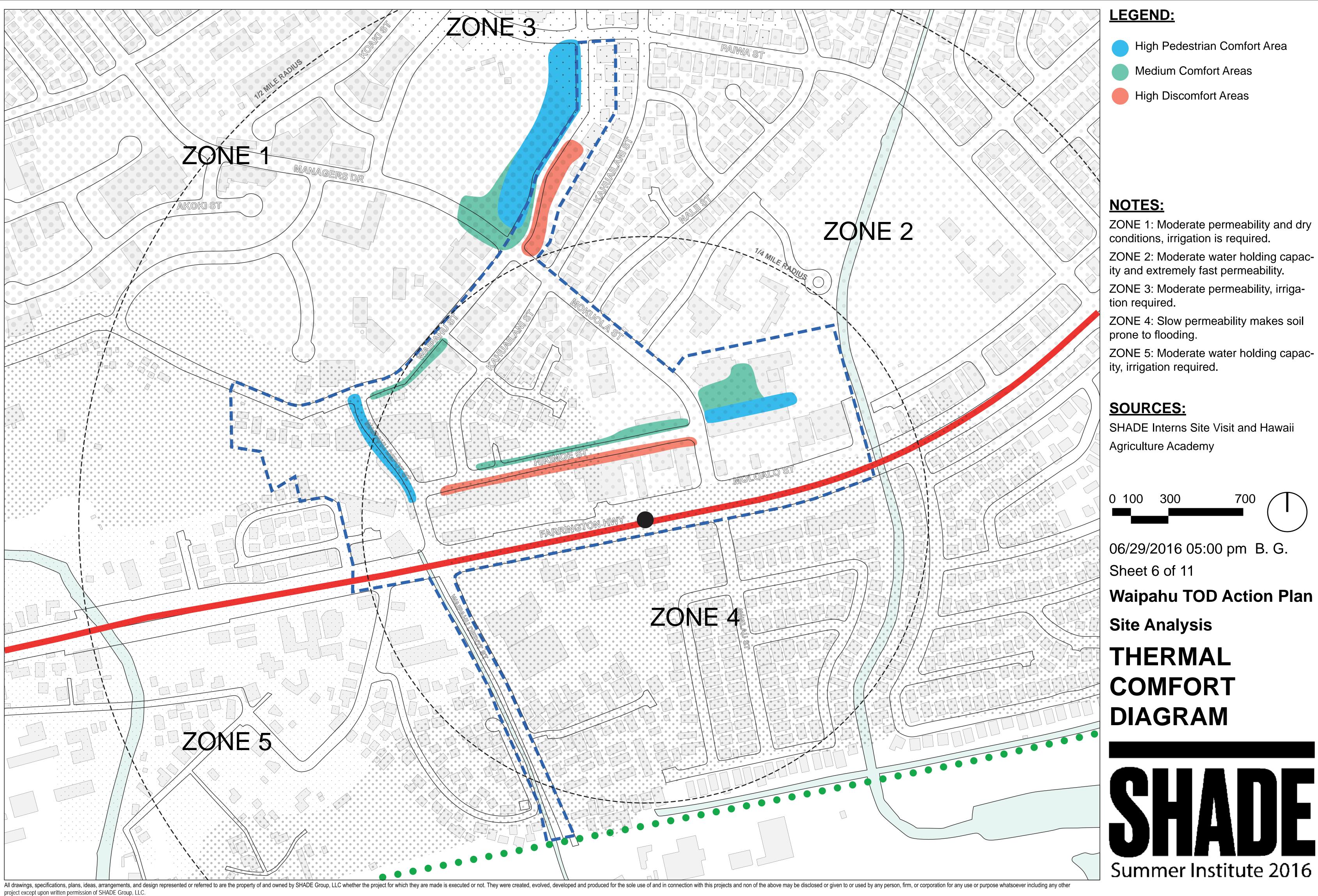
Sheet 5 of 11

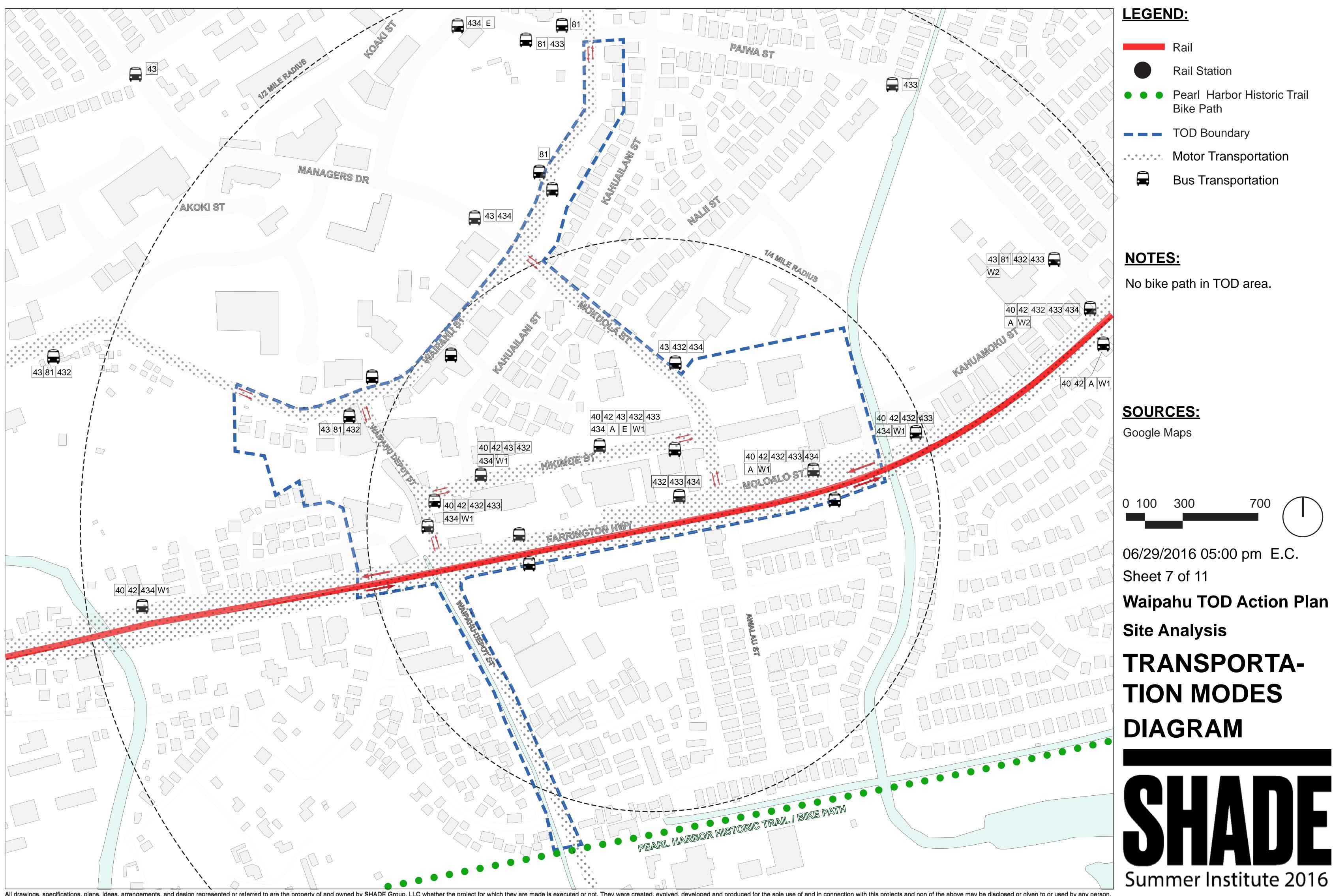
Waipahu TOD Action Plan

Site Analysis

# **TREE DIAGRAM**

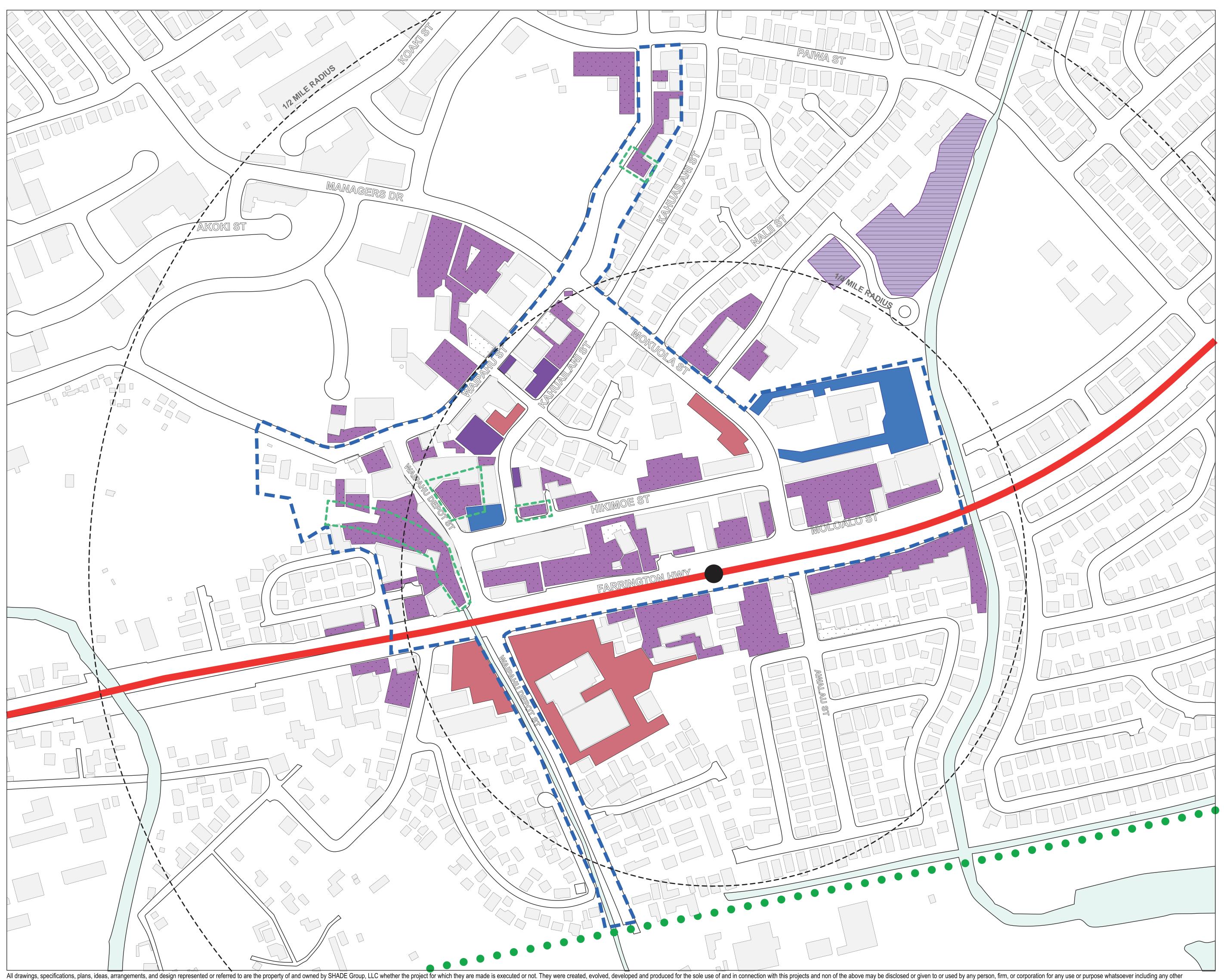






All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, they are made is executed or not. firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

	Rail
	Rail Station
• • •	Pearl Harbor Historic Trail Bike Path
	TOD Boundary
	Motor Transportation
	Due Trepoportation



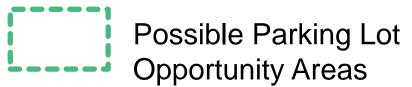
All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the project for which they are made is executed or not. project except upon written permission of SHADE Group, LLC.

### LEGEND: PRIVATE

- Business Parking
- Low-Use Business Parking
- State-Land Parking
- Specific Use Parking

PUBLIC

Paid Parking



### <u>NOTES:</u>

Parking spaces try to encompass every piece of the lot surface- Areas that are odd shaped or small alleyways try to squich parking into allowable area

Beautification of most of the parking is not implemented

## SOURCES:

Site Visit Observation



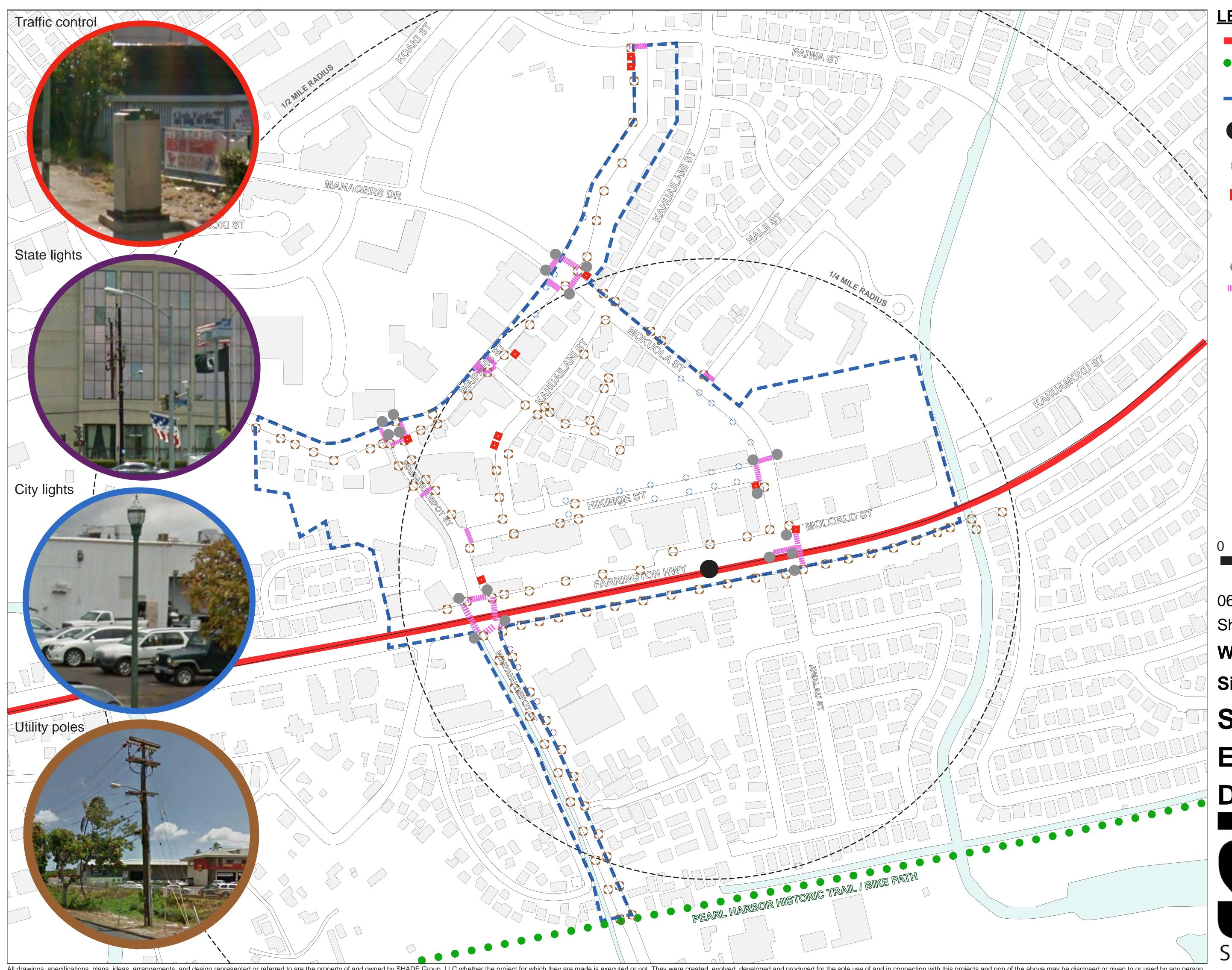
06/29/2016 05:00 pm B.G. Sheet 8 of 11

Waipahu TOD Action Plan

Site Analysis

## **OFF-STREET** PARKING DIAGRAM





All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

### **LEGEND:** Rail Pearl Harbor Historic Trail Bike Path TOD Boundary **Rail Station** Utility poles $\bigcirc$ Traffic control City light poles $\bigcirc$ $\bigcirc$ State light poles Traffic signals Crosswalks



06/28/2016 05:00 pm A. M. Sheet 9 of 11 Waipahu TOD Action Plan

Site Analysis

# STREET ELEMENT DIAGRAM



### CENSUS BLOCK GROUP 008800-3 MEDIAN INCOME: \$116,416 AVERAGE AGE: 39.4

CENSUS BLOCK GROUP 008800-2 MEDIAN INCOME: \$61,875 AVERAGE AGE: 56

All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC v firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

CENSUS BLOCK GROUP 008702-1 MEDIAN INCOME: \$50,195 AVERAGE AGE: 42.9

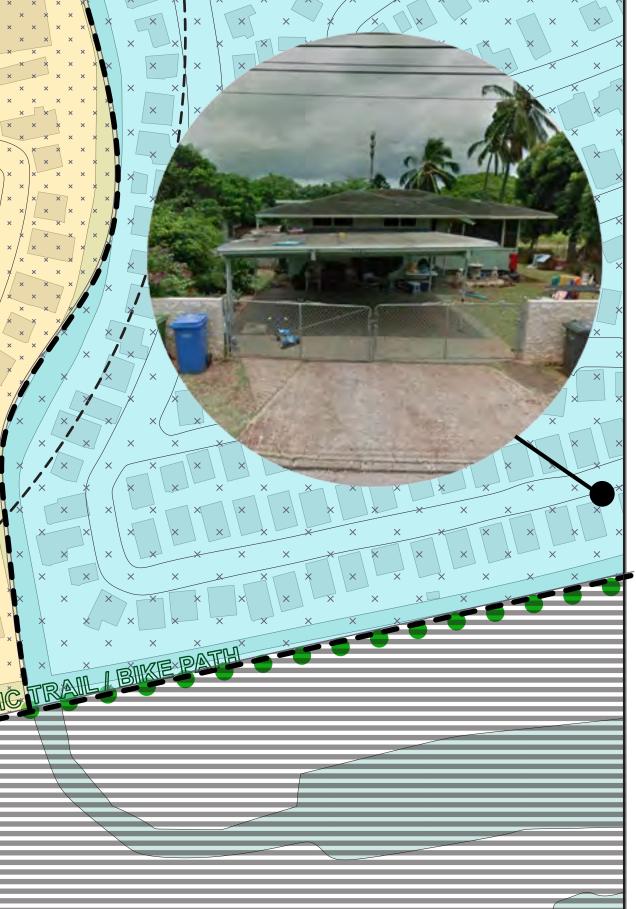
created, evolved, developed and produced for the sole use of and

CENSUS BLOCK GROUP 008702-2 MEDIAN INCOME\$57,632 AVRAGE AGE: 27.5



CENSUS BLOCK GROUP 008701-4 MEDIAN INCOME: \$84,031 AVERAGE AGE:42.7

> CENSUS BLOCK GROUP 008701-3 MEDIAN INCOME: \$105,132 AVERAGE AGE: 46.4



on of the above may be disclosed or given to or used by any person,

### LEGEND:

Rail

- Rail Station
   Pearl Harbor Historic Trail Bike Path
   TOD Boundary
   Zone Boundary
- Zone Excluded

### Median Income

\$120,000

 Average Age

 Image Age

## NOTES:

\$50,000

Data is generated from 2010-2014 Census information

### **SOURCES:**

United States Census Bureau, USA.com

0 100	300	700	$\left( \right)$	$\square$
				• )

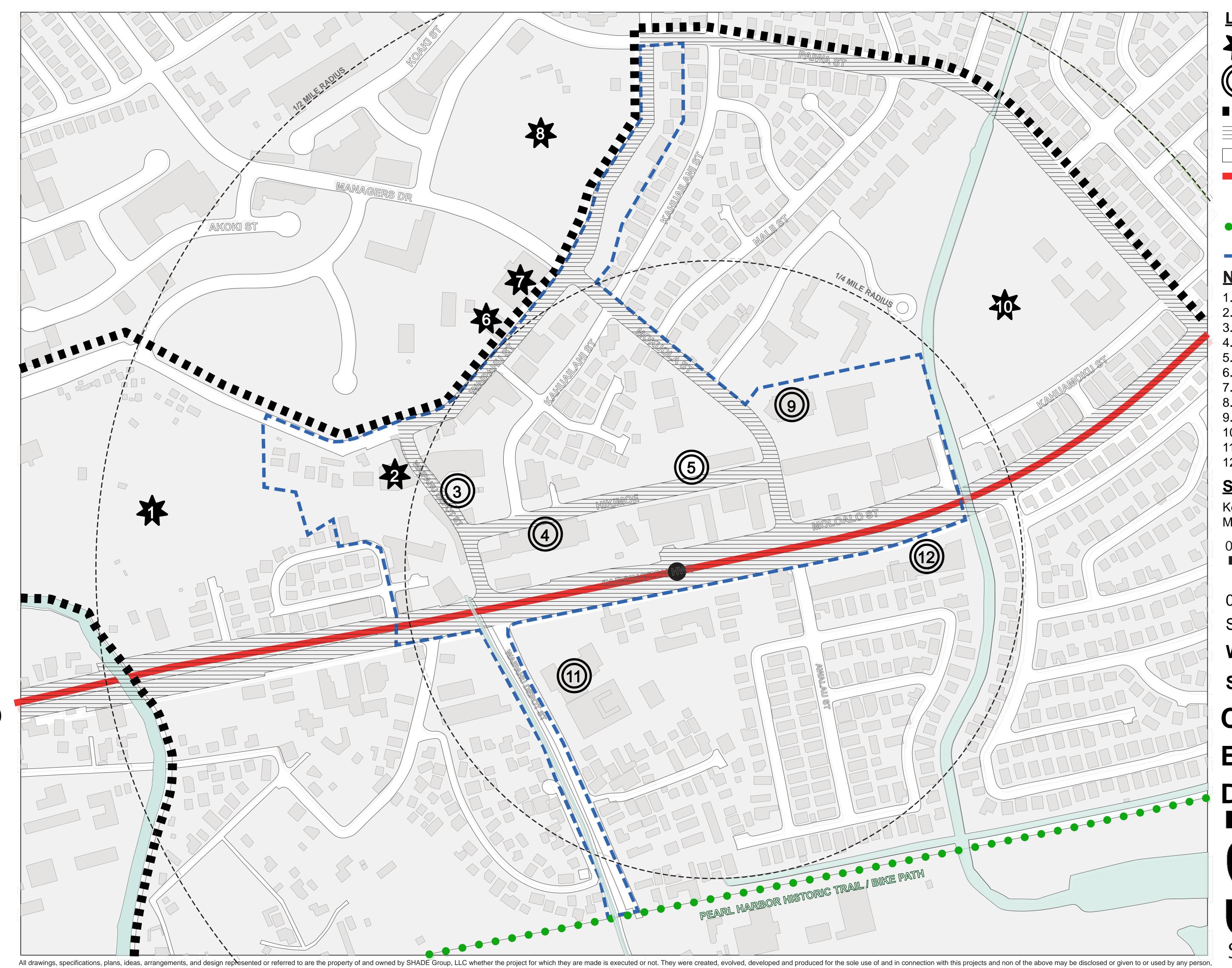
06/29/2016 5:00 pm K. P. Sheet 9 of 11

Waipahu TOD Action Plan

### Site Analysis

# FIGURE GROUND DIAGRAM

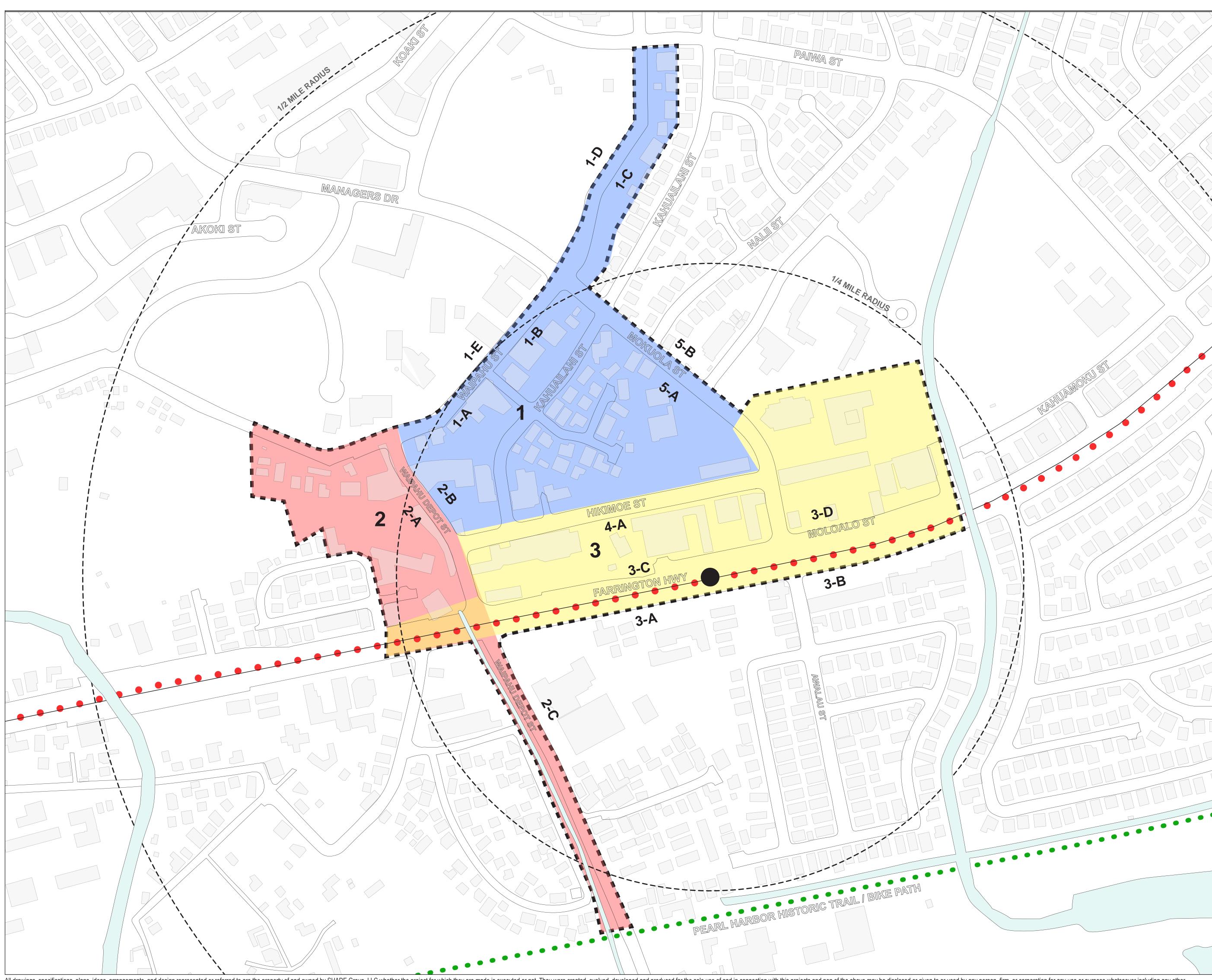




All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the project for which they are made is executed or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

**LEGEND:** Landmarks Nodes ■ ■ Edges Main Corridors Paths Rail **Rail Station** Pearl Harbor Historic Trail Bike Path NOTES: . Hawaii Plantation Village 2. Waipahu Festival Market 3. Outdoor Markets Times Supermarket Transit Station 5. 6. Christ Embassy Hawaii 7. Fillipino Community Center 8. Hans L'Orange Park 9. Waipahu Public Library 10. Waipahu District Park 11. Servco 12. Tanioka's Seafood and Catering **SOURCES:** Kevin Lynch, Image of the city, MIT press 1961 0 100 300 700 06/29/2016 5:00 pm A. C. Sheet 11 of 11 Waipahu TOD Action Plan Site Analysis **CITY IMAGE ELEMENTS** DIAGRAM 

Summer Institute 2016



All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.

### LEGEND:

- 1 Keelan Okazaki Breeanna Garcia
- 2 Ann Motonaga Regina Amirova
- 3 Maria PetrovaKristen PatinoAustin Chun

### NOTES:



06/29/2016 05:00 pm B. G. Sheet 1 of 6

Waipahu TOD Action Plan

Site Analysis

## FACADE DOCUMENTATION KEY MAP





### **1 - B**





## IN PROGRESS

## WAIPAHU ST. MAKAI SIDE

All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project served or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project served or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.





# BUILDING DOCUMENTATION

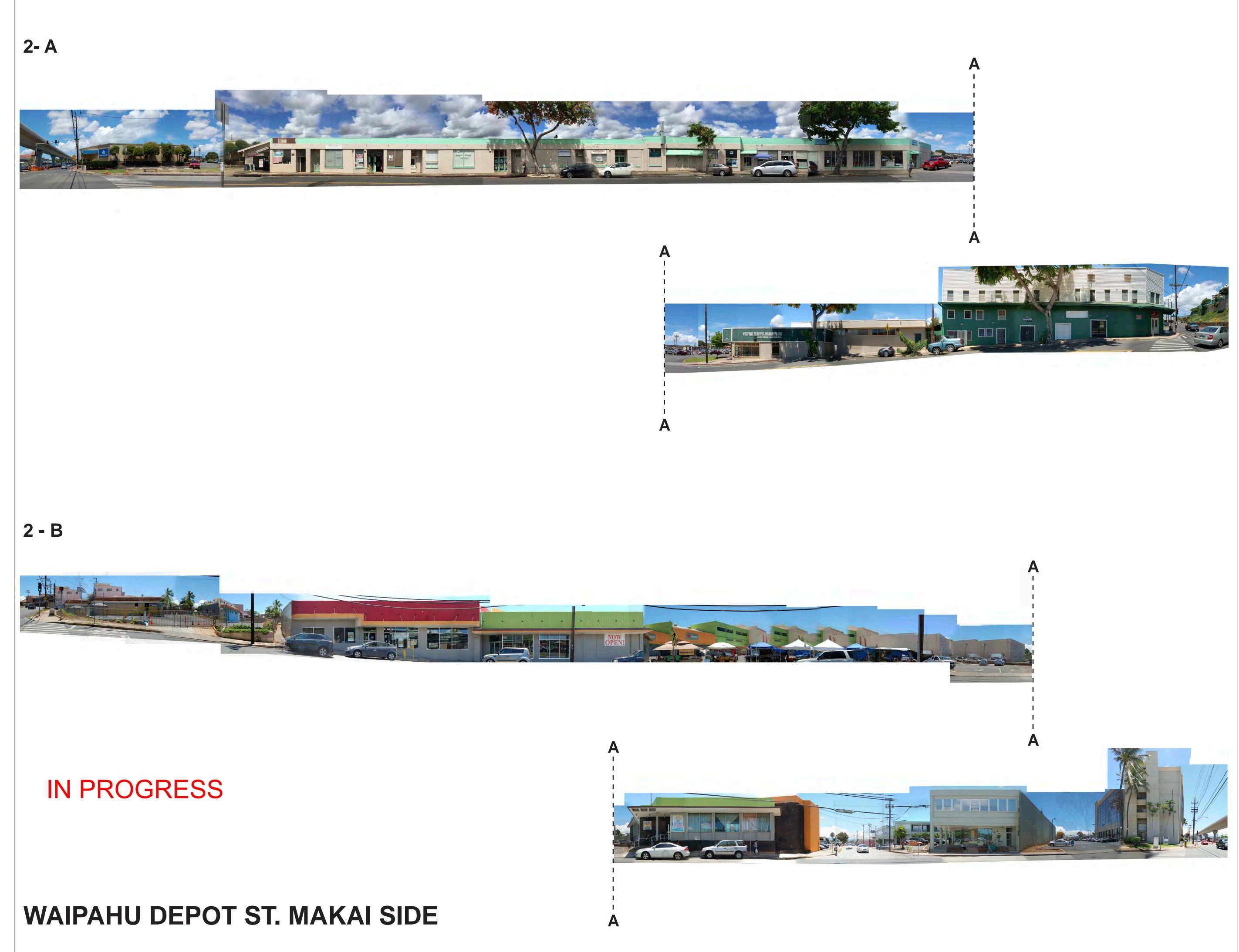
Site Analysis

Waipahu TOD Action Plan

Sheet 2 of 6

06/29/2016 05:00 pm





All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.



# BUILDING DOCUMENTATION

Site Analysis

Waipahu TOD Action Plan

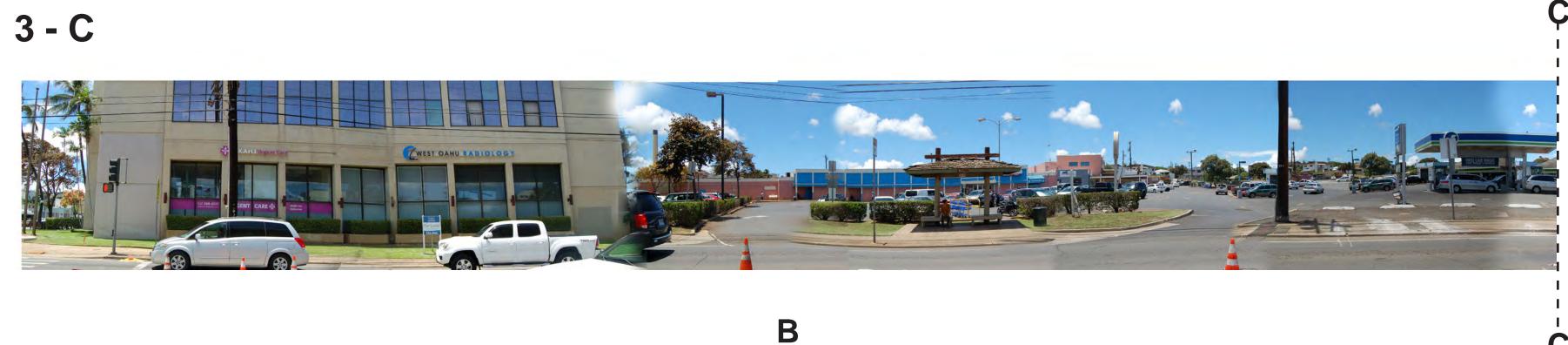
Sheet 3 of 6

06/29/2016 05:00 pm

3 - A











## IN PROGRESS

### 3 - D



B

## **FARRINGTON HWY**

All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project served or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project served or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.









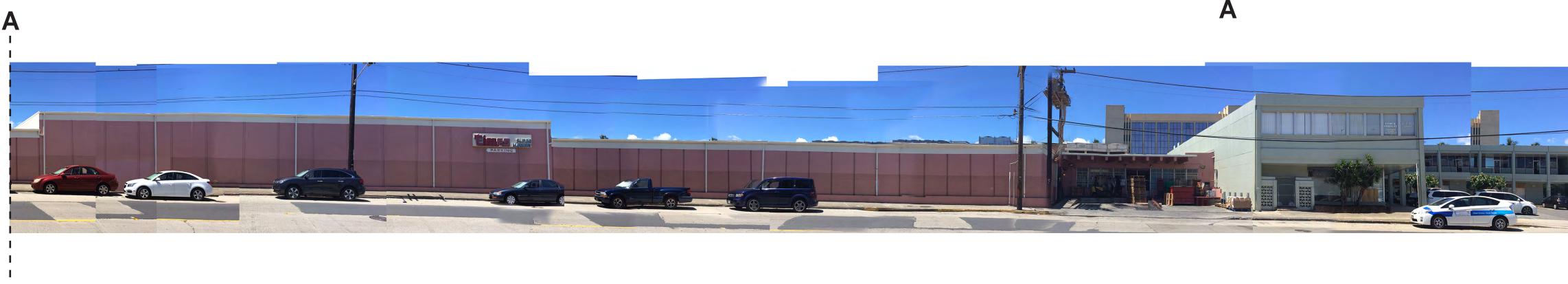
# BUILDING DOCUMENTATION

### Site Analysis

Waipahu TOD Action Plan

06/29/2016 05:00 pm Sheet 4 of 6





## IN PROGRESS

## **HIKIMOE ST. MAKAI SIDE**

All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this project for which they are made is executed or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.



# BUILDING DOCUMENTATION

## Site Analysis

Waipahu TOD Action Plan

06/29/2016 05:00 pm Sheet 5 of 6

### 1 - D



## 1 - E



## IN PROGRESS

## **FARRINGTON HWY**

All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which they are made is executed or not. They were created, evolved, developed and produced for the sole use of and in connection with this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.







# BUILDING DOCUMENTATION

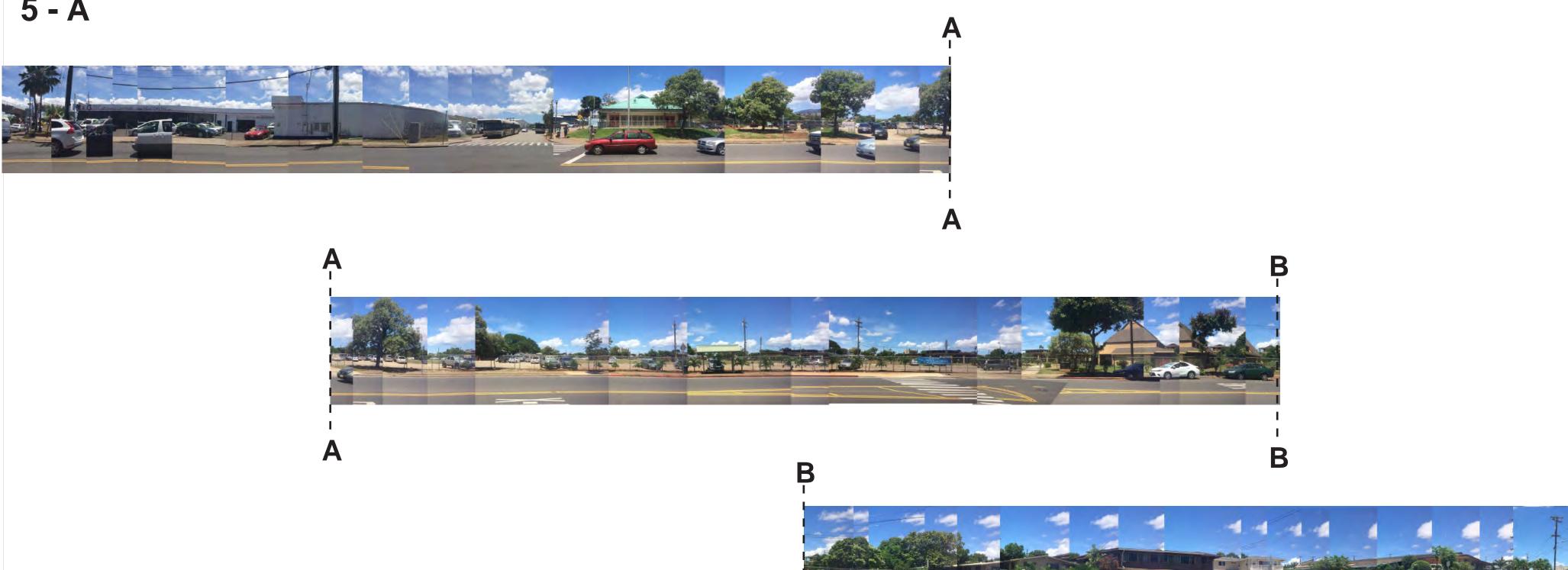
Summer Institute 2016

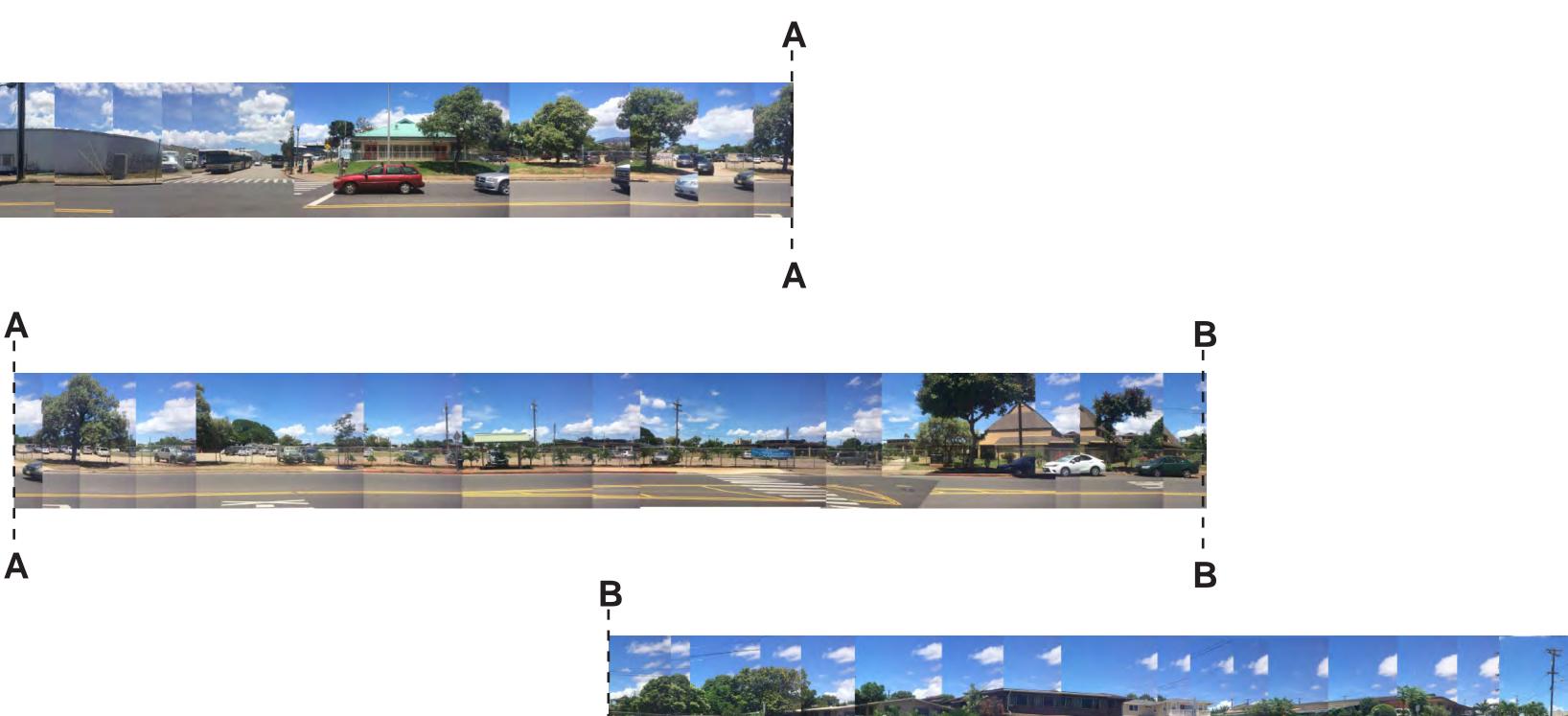
Waipahu TOD Action Plan

06/29/2016 05:00 pm Sheet 6 of 6



5 - A







### 5 - B





## **MOKUOLA ST. DIAMOND HEAD SIDE**

All drawings, specifications, plans, ideas, arrangements, and design represented or referred to are the property of and owned by SHADE Group, LLC whether the projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project for which this projects and non of the above may be disclosed or given to or used by any person, firm, or corporation for any use or purpose whatsoever including any other project except upon written permission of SHADE Group, LLC.





