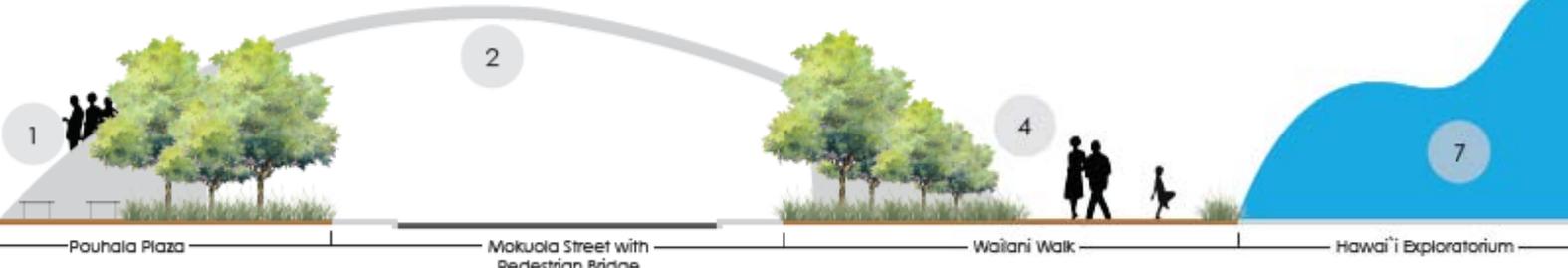


Pouhala Plaza to Waipahu District Park



- 1 Pouhala Plaza
- 2 Pedestrian Bridge
- 3 Underground Parking
- 4 Mokuola Entry Way
- 5 Mokuola Mall
- 6 Outdoor Seating
- 7 Hawai'i Exploratorium
- 8 Community Game Tables
- 9 Benches
- 10 Splash Pad
- 11 Wailani Walk
- 12 Dechanneled Stream



Hawai'i Exploratorium

An interactive educational space for exploring Hawai'i's rich natural and built history while learning about how anthropogenic forces are shaping the islands' future. The Exploratorium building also offers community gathering space, including:

- Library and Digital Education Center
- Child Day Care Center
- Public stage and reservable space
- Potential space for a school to meet future needs

Dechanneling Wailani Canal

Dechanneling Wailani Drainage Canal will allow water to flow in a semi-natural state, while providing space for the stream to swell during times of heavy rain. Benefits may include:

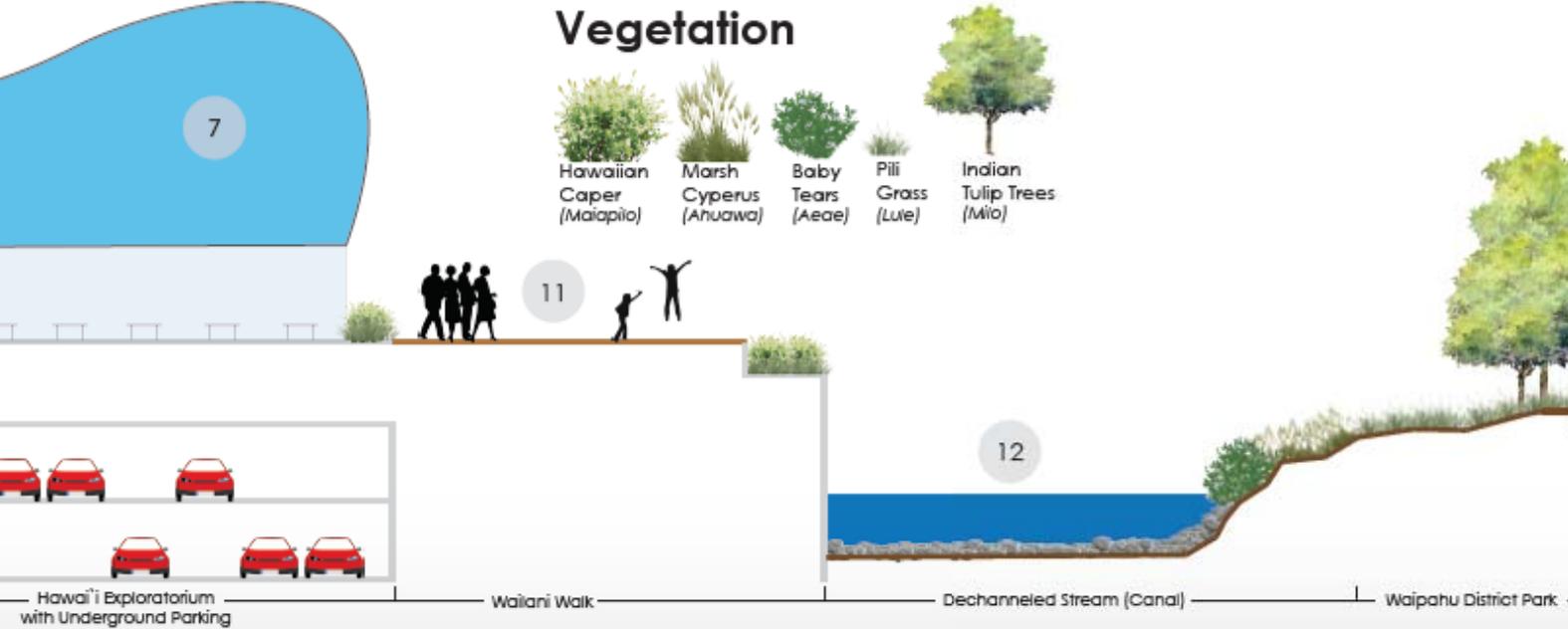
- Enhanced habitat for wildlife and opportunity for native vegetation
- Decreased water and air pollution
- More aesthetically pleasing
- Better flood protection and area for water overflow

Wailani Walk

Waipahu in Hawaiian translates to "bursting waters." This walkway provides flow between people and the natural environment, and allows people to coalesce across generations. The promenade provides the following benefits:

- Increased physical and mental health
- Space for people to take respite
- A place for happenstance, where users can connect between Waipahu District Park, Paiwa Street, and the Pearl Harbor Historic Bike Trail

Native Vegetation



Site Overview



- 1 Pouhala Plaza
- 2 Pedestrian Bridge
- 3 Parking
- 4 Mixed Use Affordable Housing
- 5 Affordable Housing
- 6 Playground
- 7 Mokuola Mall
- 8 Hawai'i Exploratorium
- 9 Splash Pad
- 10 Civic Center
- 11 Riverwalk Retail
- 12 Dechanneled Stream

Community Needs Implementations

- Family entertainment venues
- Playgrounds, picnic tables, evening activities
- Activated public spaces for safety
- Improvements to bus stops with waiting spaces
- Improved landscaping and shade trees
- Neighborhood cafes and shops
- Centralized parking
- Affordable housing

Complete Streets Implementations

- Trash Bins
- Street lighting
- Protected pedestrian crossings

Key Numbers

- 157 affordable housing units added (current 291 units)
- 265 retail jobs created
- 446 specialized jobs created
- 300 parking spaces added (current 700 spaces)

State Goals Met

- Increased housing
- Redevelopment of Waipahu Library and Civic Center
- Mixed-use housing
- Elementary school facilities (re-use anticipated in Hawai'i Exploratorium)

Precedents

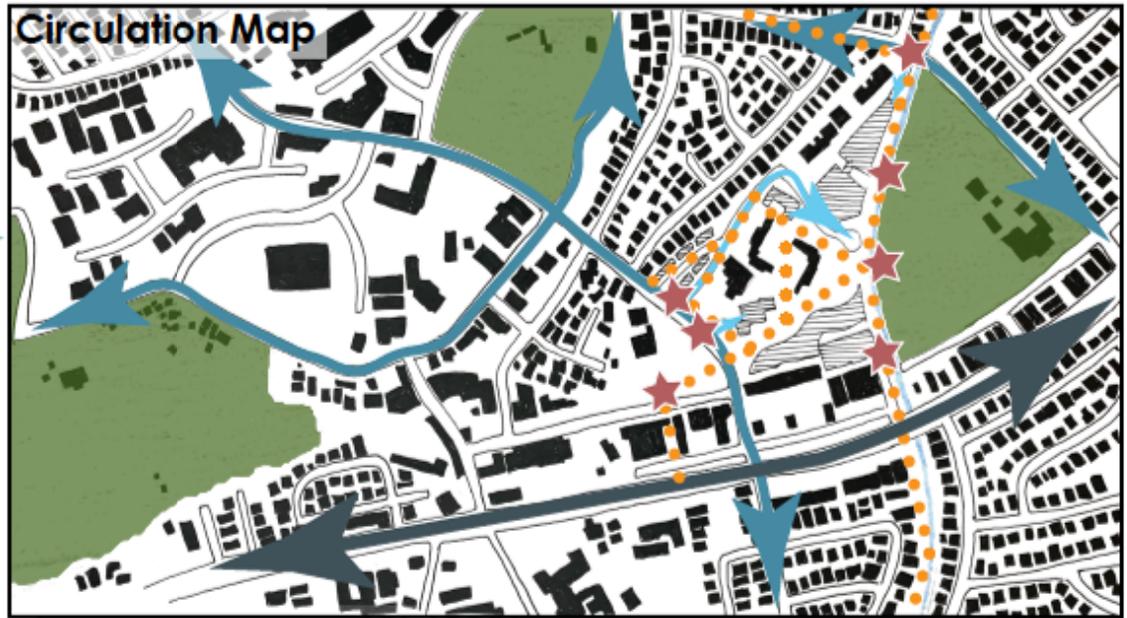
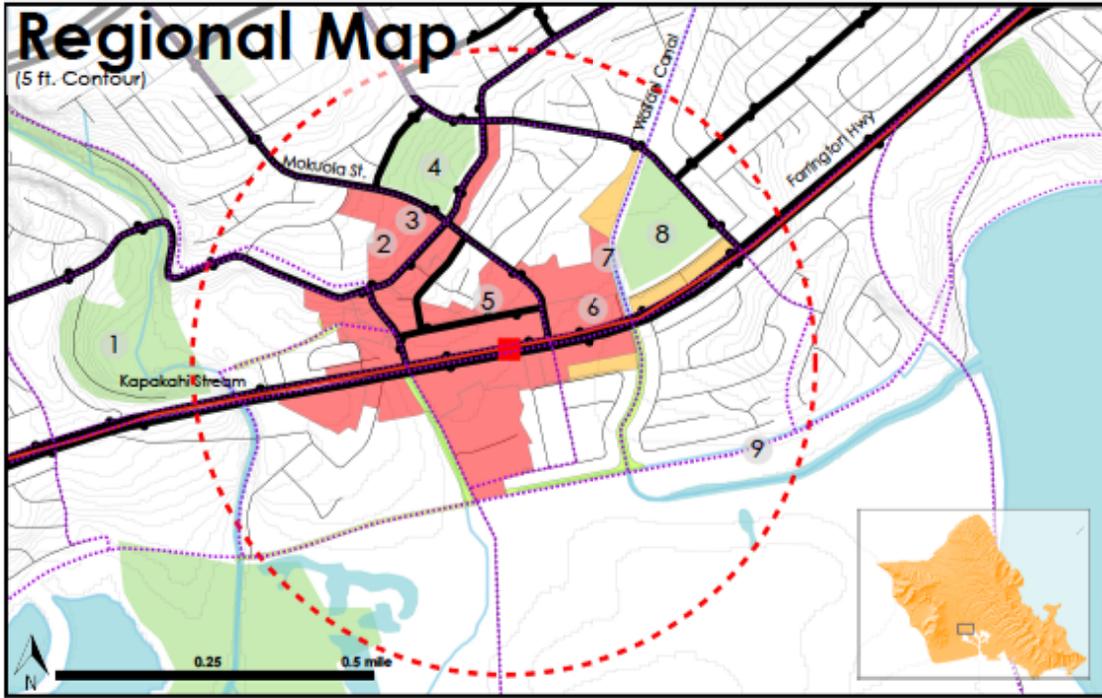


FLOW

The Pouhala rail station

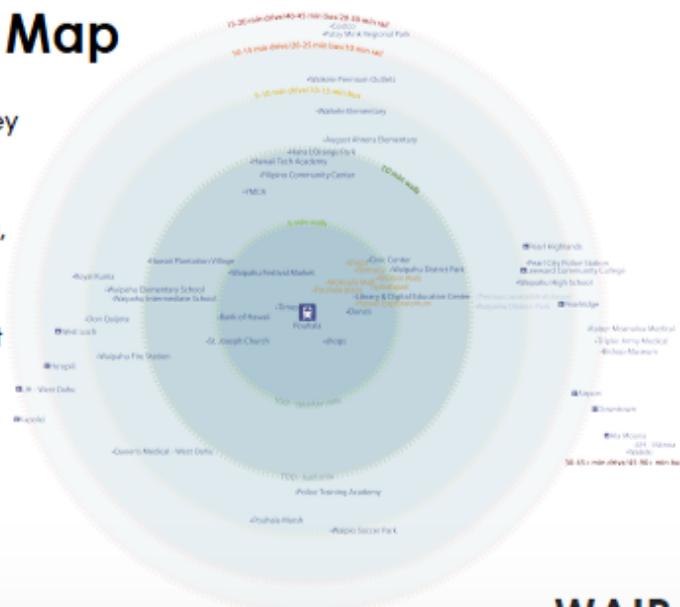
in Waipahu will be supportive of the idea of flow and coalescence in the living environment--of water, people, generations, culture, and history.

The parcels being redeveloped support flow and intergenerational connection through the absence and removal of barriers between parcels and uses, allowing residents and visitors to coalesce around gathering places, the natural history museum, and the diversity of culture in the area, which creates a place that everyone in the community can be proud of and engage with.

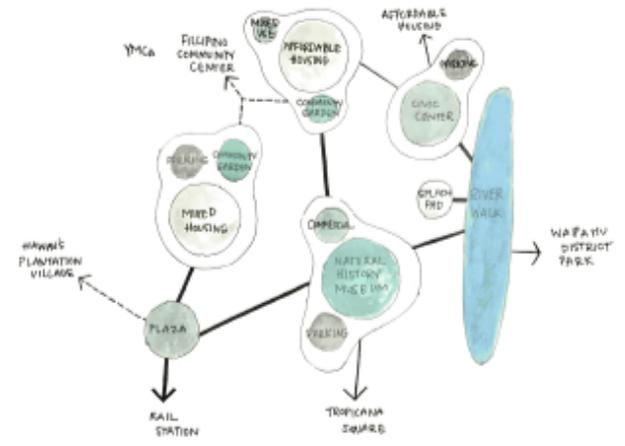


Radial Map

Affective distance to key destinations within and outside the Waipahu TOD, according to estimated travel time using different modes of travel.



Site Bubble Diagram



SITE ANALYSIS

WAIPAHU, HAWAII | DECEMBER 2017

WAILANI PLACE

AREA OVERVIEW

- 1 Project Site (Civic Center)
- 2 Wailani Canal
- 3 Waipahu Transit Station (Pouhala Station)
- 4 Waipahu Depot Street
- 5 Waipahu Sugar Mill (YMCA)
- 6 Hawai'i's Plantation Village
- 7 Hans L'Orange Park
- 8 Waipahu District Park
- 9 Pearl Harbor Historic Trail

LEGEND		
Existing	Proposed	Land Use



WAILANI PLACE celebrates the intertwining of water, history, and culture by providing a free-flowing green space to connect and rejuvenate the community.

PLACEMAKING

PLACE NAMES

Waipahu : Bursting water
Waikele : Muddy water
Wailani : Heavenly water
Pouhala : Hala (pandanus) posts

STREET NAMES

Hikimoe : Place to rest
Mokuola : Island of health
Moloalo : Main stream into which branches enter
Kau : Summer
Olu : Cool, refreshing, comfortable, pleasant
Kaihualani : Site of Heaven

WALKABLE

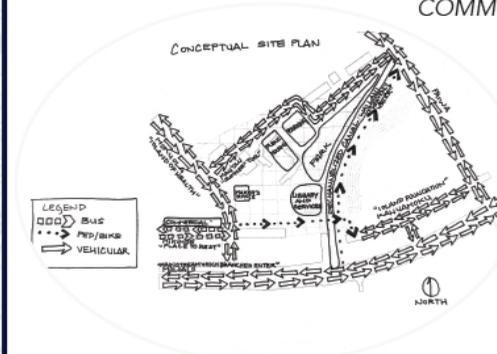
COORDINATING A SEAMLESS PEDESTRIAN EXPERIENCE CONNECTING TRANSIT AND COMMUNITY RESOURCES.

3,500 feet of Bicycle and Pedestrian Pathways

100,000 square feet of Street Level Marketplace

350 Housing Units Accessible to Transit

230 Jobs Accessible to Transit



Conceptual Site Plan - Bubble Map with site circulation

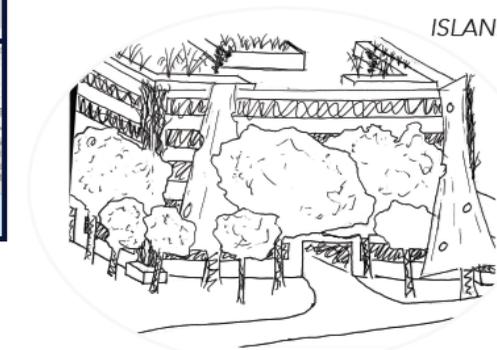
ADAPTABLE

CREATING COMMUNITY RESOURCES DESIGNED TO KEEP PACE WITH OUR RAPIDLY CHANGING ISLAND.

700 Parking Spots in Green Rooftop Parking Structure

5 Floodable Features Along Wailani Canal Walk

1,584 feet of Wailani Canal De-channelized for Flood Mitigation



Conceptual Sketch - Adaptable parking structure with green walls and rooftop gardens

INTERACTIVE

CONNECTING THE COMMUNITY TO ITS PAST THROUGH EXPERIENTIAL EDUCATION AND FAMILY RECREATION.

78% Open Space

20,000 square foot Public Library

90,000 square feet of Office Space for Service Providers

11,520 square feet of Maker's Space for Community Use



Conceptual Sketch - Library with floodable fountain & community plaza

SITE OVERVIEW

- 1 Hikimoe Street - Neighborhood Retail/Restaurants
- 2 Hikimoe Street - Complete Street
- 3 Pedestrian & Bicycle Pathway
- 4 Pedestrian & Bicycle Bridge
- 5 Multi-use Community Plaza
- 6 Maker's Space & Community Kitchens
- 7 Public Library
- 8 State Social Service Providers
- 9 Wailani Canal Softening & Widening
- 10 Wailani Canal Walk
- 11 Waipahu Floodable Fountain Feature
- 12 Interactive Floodable Spaces
- 13 Adaptable Parking Structure & Rooftop Gardens
- 14 Kau'olu St. Connection Between Paiwa St. & Mokuola St.
- 15 Senior Housing Consolidation & Improvement
- 16 Mokuola Vista Apartments



Square Footage: 11,520
Stories: 2
Walk time to Station: 2-3 min
Features: Farm to table initiative tied to community gardens, classes and lessons which interest the community, intergenerational activities, and trade skills.



Square Footage: 432,500
Stories: 5
Walk time to Station: 4-6 min
Features: Rooftop community garden space, adaptable garage design, park headquarters, facilities and storage for groundskeeping, maintenance, and security.



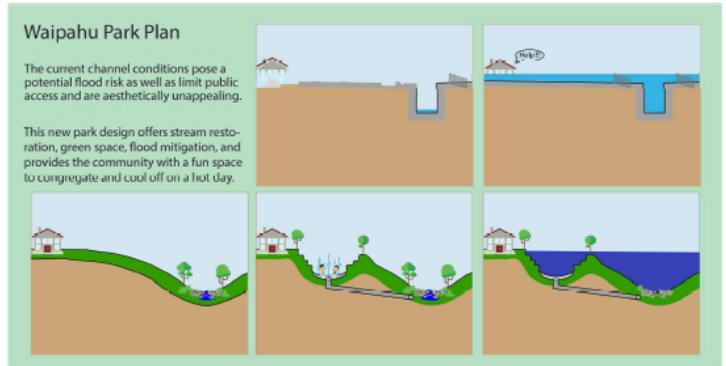
Square Footage: 126,000
Stories: 1 for library, 6 for services
Walk time to Station: 2-3 min
Features: High-speed Internet access, trainings that will interest the community, reading and writing space, open concept deck, multi-level public space, and increased space for social services.

Hikimoe St.





Colored Areas are Pedestrian only



Floodable spaces



I NTERACTIVE

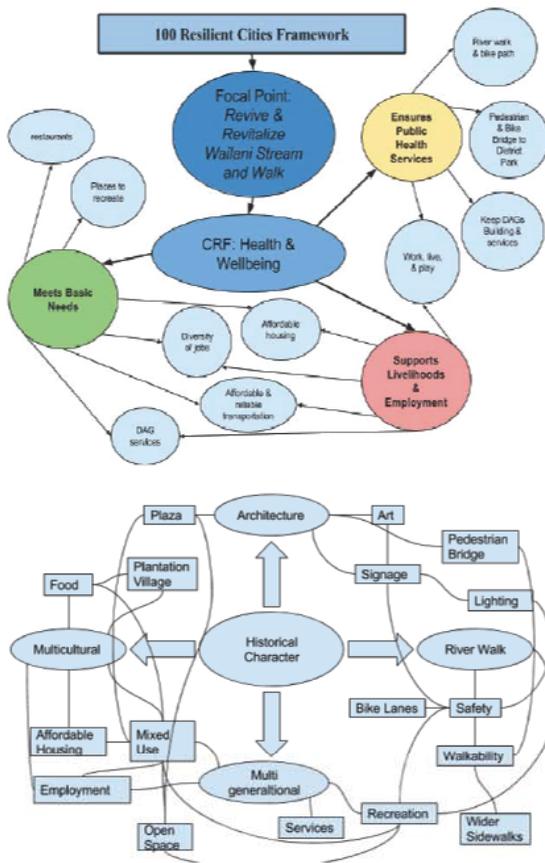




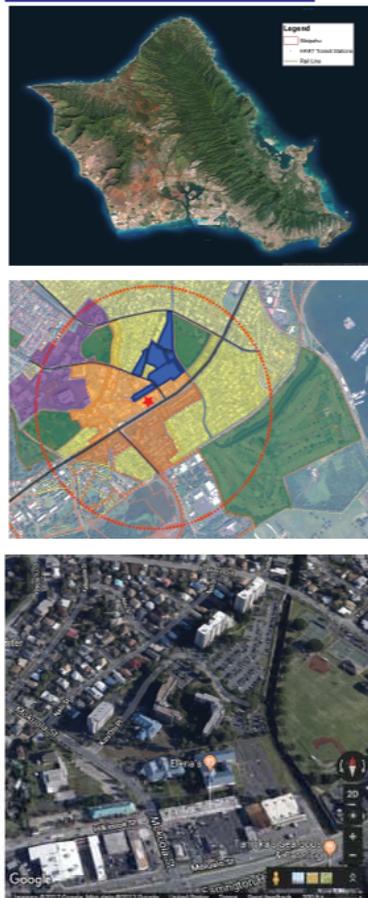
WATER was an essential element to the functioning of Waipahu's Sugar Mill let alone its people, both past and present. Our vision is to restore **WAILANI CANAL** as a **LIFE SOURCE** and **GATHERING PLACE** for the Waipahu community, using it as a pathway to **CONNECT** its historically rich past to its blooming future.

The Health and Wellbeing of the Waipahu community will be facilitated through the **REJUVENATION** of the 6 state held parcels to help meet the community's **BASIC NEEDS**, **SUPPORT LIVELIHOODS**, and **PUBLIC SERVICES**.

BUBBLE DIAGRAMS



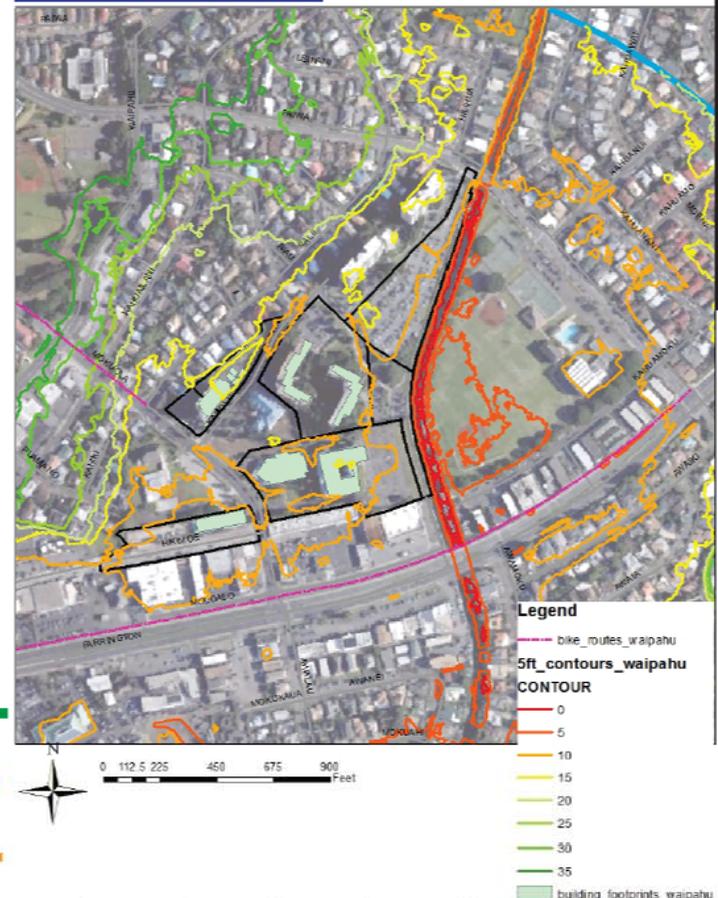
SITE LOCATION



EXISTING CONNECTIVITY



REGIONAL TOPOGRAPHY



WAILANI CANAL
LIFE SOURCE
REJUVENATE.
CONNECT.
GATHER.

Green Space in Wailani Plaza

For an Active Lifestyle

Parks and recreation facilities provide opportunities for physical activity and can help people of all ages lead a more active lifestyle. People who live near parks are more likely to be active. However, some lower-income communities and communities of color tend to have less access to quality parks and recreation facilities. Our research documents the most effective ways to improve the design, quality and availability of parks and recreation resources. Making recreational facilities accessible in all communities is a critical strategy for increasing physical activity and preventing obesity.

WAILANI PLAZA <ul style="list-style-type: none"> Health & Wellbeing Basic Needs Supporting Livelihoods & Employment Ensures Public Health Services 	TRAILS <ul style="list-style-type: none"> TOD Station to Wailani Plaza River Walk & Bridges to Waipahu District Park Pearl Harbor Historic Trail
OPEN SPACE <ul style="list-style-type: none"> Wailani Plaza Wailani Stream Amphitheater Waipahu District Park 	RECREATION <ul style="list-style-type: none"> Gym Parks Retail Restaurants Sports

Information Source: <http://activingresearch.org/> PAPA HANA PLANNERS: THINKING & DECISION-MAKING

HEALTH & WELLBEING

- 🏠 Meets Basic Needs
- 🍎 Supports Livelihoods
- ⊕ Public Health Services

- Building #1** (4-Story Mixed-Use)
- Department of Accounting and General Services (DAGS)
 - Library (1st Floor)
 - After School programs
 - Adult/Child Daycare

- Building #2** (3-Story Mixed-Use)
- Workout Gym
 - Yoga/Dance Studio
 - Boxing/MMA Gym

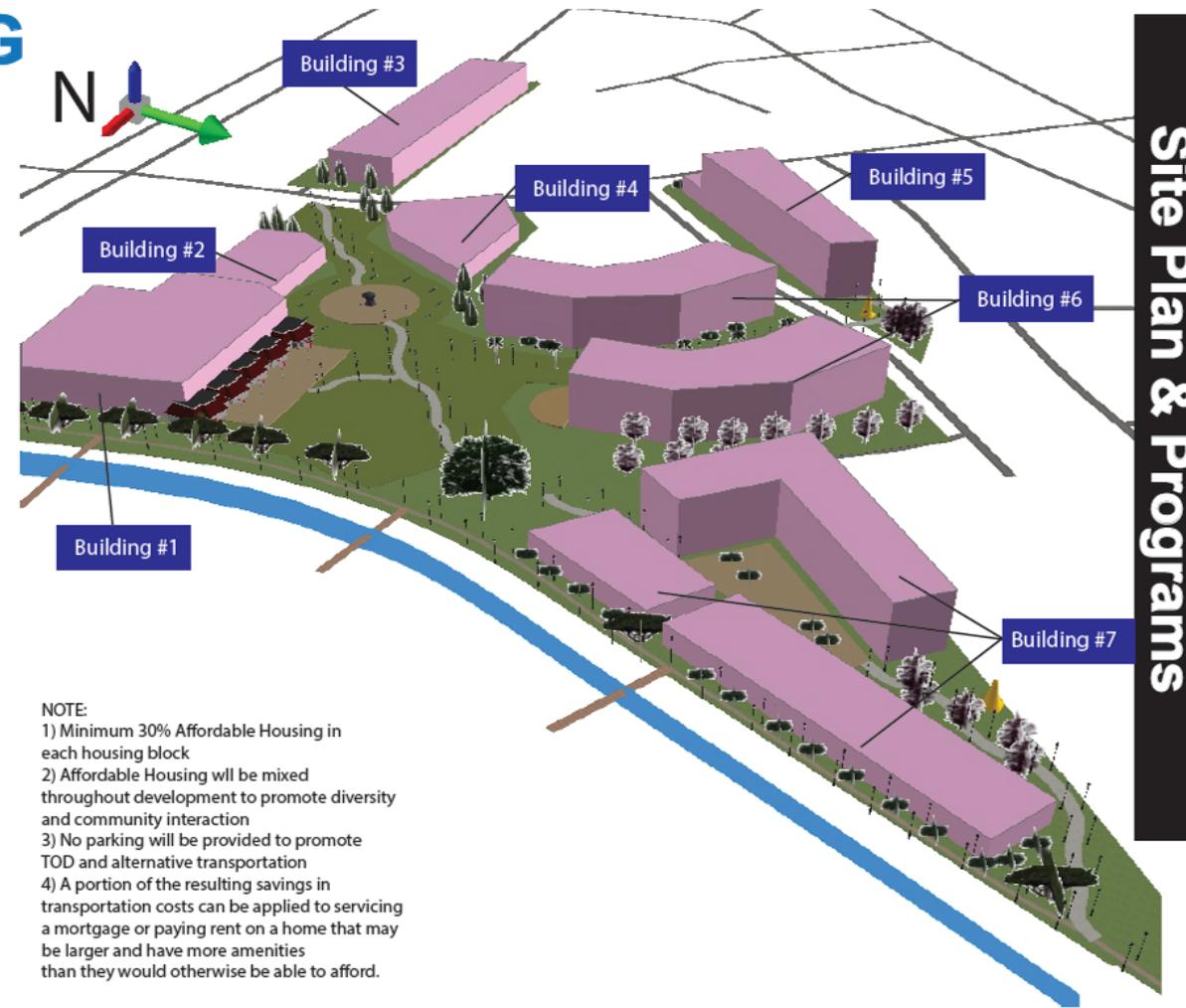
- Building #3** (4-Story Mixed-Use)
- Retail (1st Floor)
 - Bike/Skateboard Shop
 - Coffee Shop
 - Convenience Store (7/11, Deli)
 - Biki Stop
 - Studio Apartments (2nd - 4th Floors)

- Building #4** (4-Story Mixed-Use)
- Small Business Retail Market (1st Floor)
 - E.G. South Shore Market
 - Cater to Residential Market
 - Pub/Sports Bar (2nd Floor)
 - Office Space (2nd Floor)
 - Housing (3rd-4th Floors)

- Building #5** (6-Story Mixed-Use)
- Corner Convenience Store (1st Floor)
 - Office Space (1st Floor)
 - Bank
 - Insurance
 - Medical (1st Floor)
 - Pharmacy
 - Housing (2nd-6th Floor)

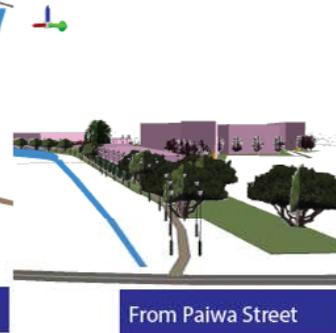
- Building #6** (6-Story Mixed-Use)
- Medical (1st Floor)
 - Pediatrician
 - Medical Clinic
 - Dentist
 - Diagnostic Lab
 - Urgent Care
 - Retail/Restaurants (1st Floor)
 - Dine-in/Take-out
 - Cafe
 - Vitamin Shop
 - Sports Shop
 - Housing (2nd - 6th Floors)

- Building #7** (3 6-Story Mixed-Use)
- Retail/Restaurants (1st Floor)
 - Coffee Shop
 - Ice Cream Parlor
 - Bakery
 - River Walk Restaurants
 - Housing (2nd-6th Floor)

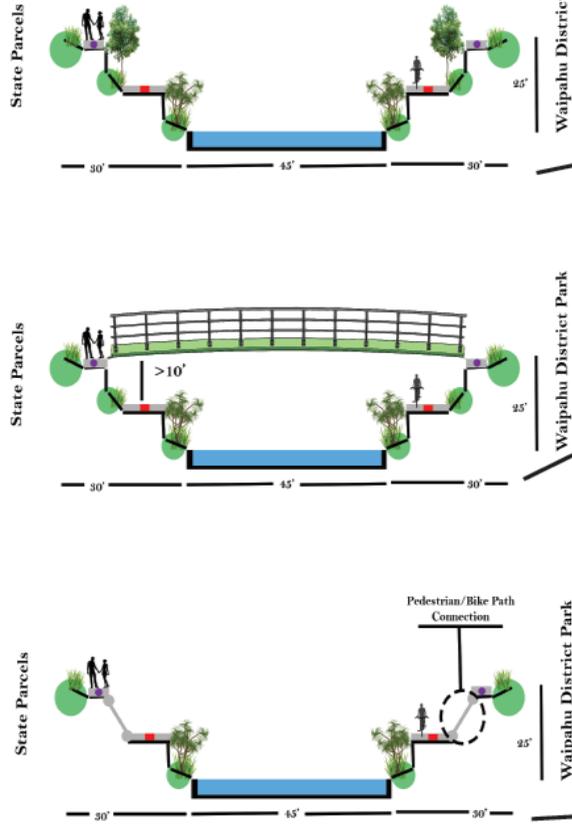


NOTE:

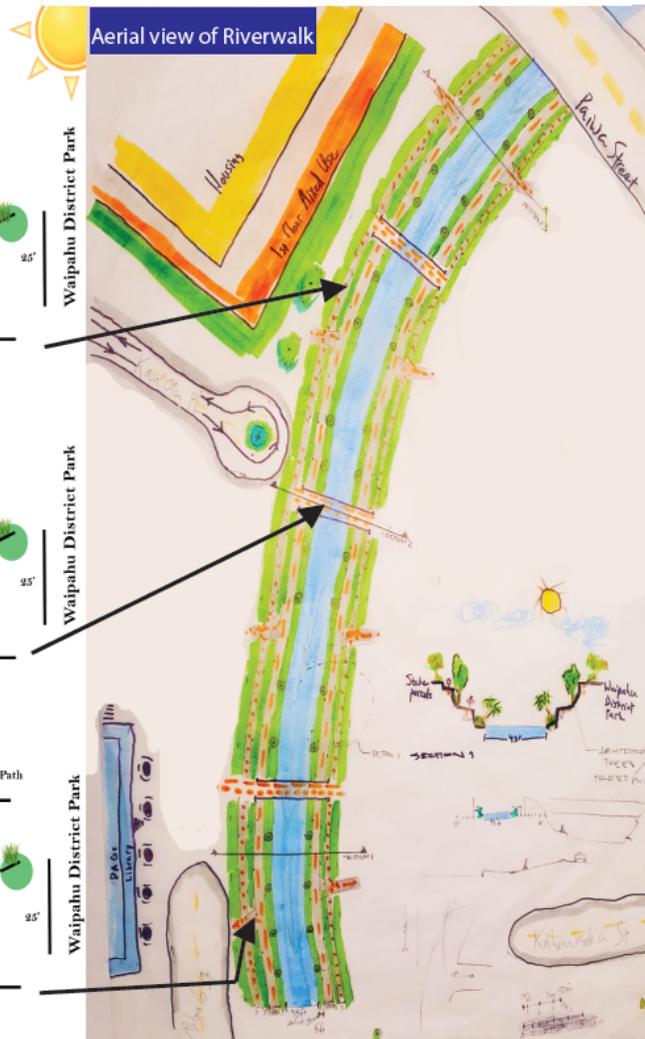
- 1) Minimum 30% Affordable Housing in each housing block
- 2) Affordable Housing will be mixed throughout development to promote diversity and community interaction
- 3) No parking will be provided to promote TOD and alternative transportation
- 4) A portion of the resulting savings in transportation costs can be applied to servicing a mortgage or paying rent on a home that may be larger and have more amenities than they would otherwise be able to afford.



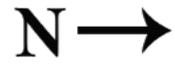
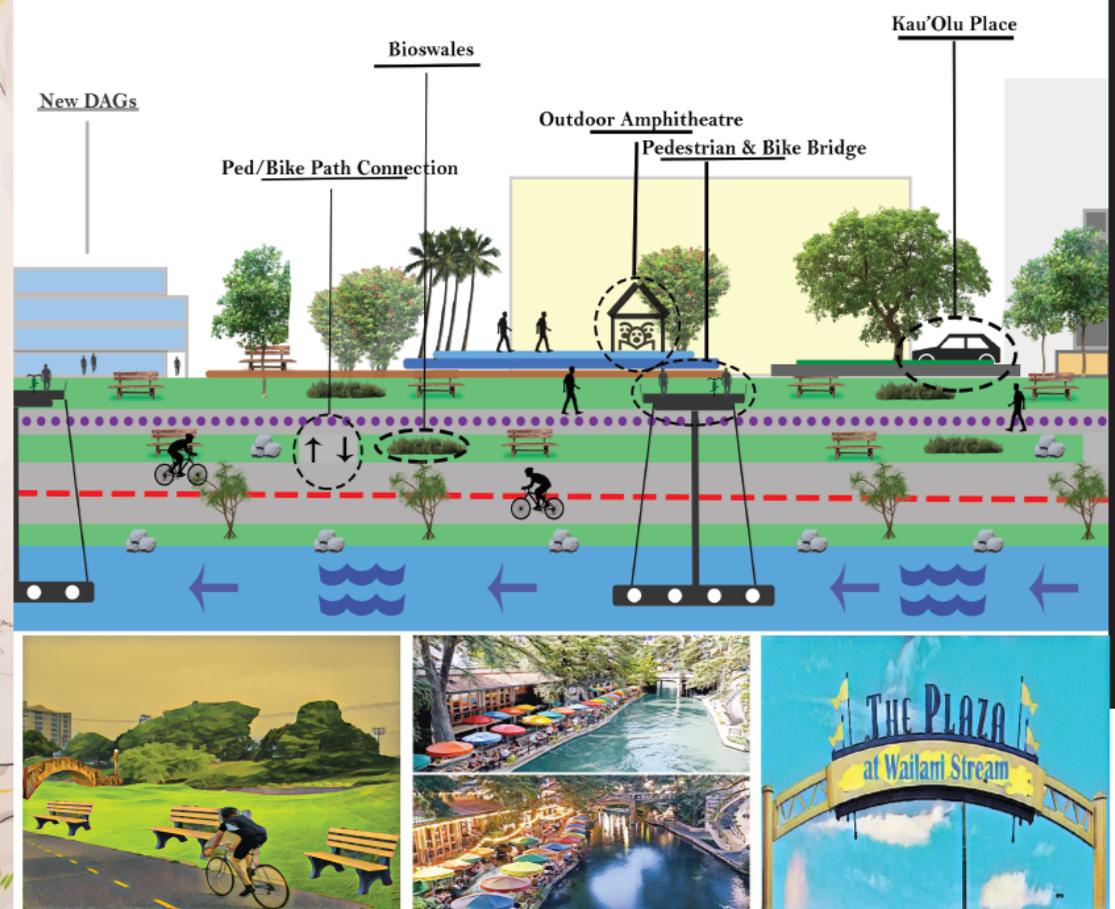
Cross Section of Canal



Aerial view of Riverwalk



Transect of Pathway



Site Section & Transects



University of Hawaii at Manoa
Department of Urban and Regional Planning

Waipahu
Transit Oriented Development

Trevor F.
Marc M.
Umeyo M.
Wesley B.
Matthew F.
Rocco T.
**PAPA
HANA
PLANNERS**