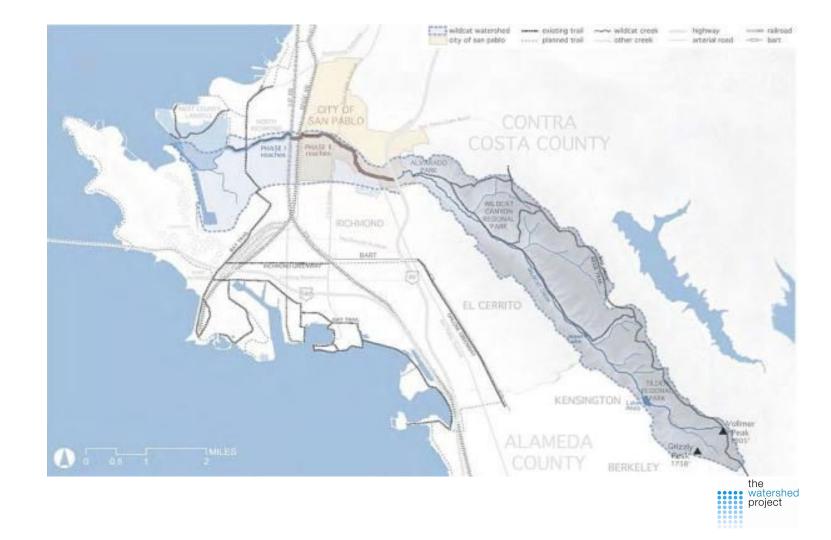


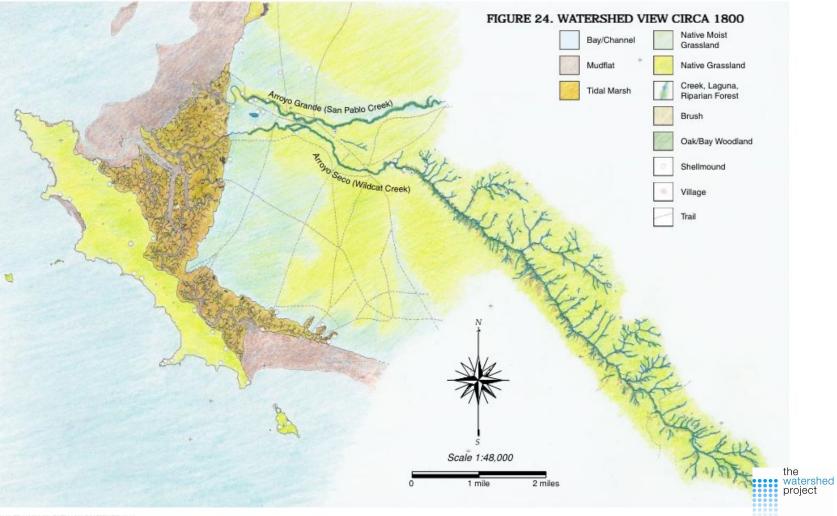
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# Cemented section under the railway bridge

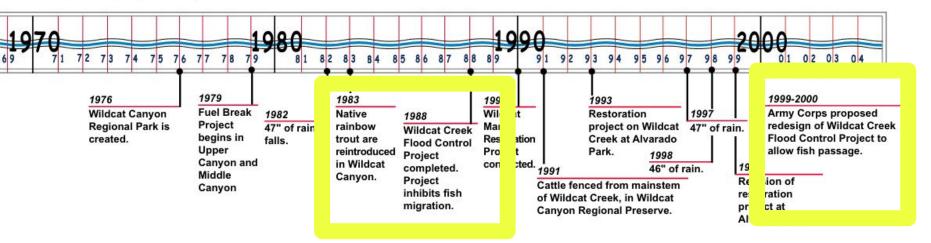








Steelhead trout photo courtesy of Oregon State University via Wikimedia Commons.



#### SAN FRANCISCO ESTUARY INSTITUTE 2001









# The Fish Passage and Steelhead

Steelhead Trout tend

to live 4-6 years!



This way the fish

can get upstream safely!

#### Steelhead Trout and Chinook Salmon

Before people used the water and land on an industrial level, the creeks of California teemed with many fish. Among the most notable were Steelhead Trout and Chinook Salmon, both of which are now endangered. These are 'anadromous' fish meaning their eggs hatch in creeks and once the fish are large enough, they swim to the ocean, where they spend most of their lives. When it's time to lay eggs, they migrate back to their birthplace, often requiring them to swim for miles upstream! After laying the eggs, they return to the ocean, and the cycle starts over.

#### Trucha Arco Iris Y Salmón Chinook

Antes de que la gente utilizara el agua y la tierra a nivel industrial, los arroyos de California estaban llenos de peces. Entre los más notables se encuentran la trucha Steelhead y el salmón Chinook, los cuales ahora están en peligro de extinción. Estos son peces 'anádromos', lo que significa que sus huevos eclosionan en arroyos y una vez que los peces son lo suficientemente grandes, nadan hasta el océano, donde pasan la mayor parte de sus vidas. Cuando llega el momento de poner huevos, migran de regreso a su lugar de nacimiento, jalgunas veces obligando a nadar kilómetros rio arriba! Después de poner los huevos, regresan al océano y de icio comienza de nuevo.

#### The Fish Passage

Today, many barriers to fish migration exist in creeks. Beneath this railway bridge, the concrete-paved creek bed is impassable for fish. A fish passage was installed to help them get upstream.

#### El paso de los peces

Hoy en día, existen muchos obstáculos a la migración de peces en los arroyos. Debajo de este puente ferroviario, el lecho del arroyo es intransitable para los peces. Se instaló un pasaje para ayudar a los peces durante sus viajes.

> These boulders mimic natural stream beds. They create pools with low flows, where fish can rest.

Fish can jump above these step-like structures.

# New Fish Passage Design

#### Local Tribes and their Creeks

This part of the East Bay is the ancestral homeland of the Chochenyo (cho-chen-yo) speaking people, part of the Ohlone (oh-loh-nee) peoples. In their language, the region is called Huchiun (hoo-chpoon). The First Peoples had thriving communities that depended on the natural resources around them for food, tools, shelter, and cultural resources. Fish were an important food source, and they treated Wildcat Creek as they would treat a close friend or family member.

#### **Tribus Locales Y Sus Arroyos**

Esta parte del East Bay es la patria ancestral del pueblo de habla chochenyo, parte de los pueblos oblone (o-lo-ni). En su idioma, la región se llama Huchiun. Los Primeros Pueblos tenían comunidades prósperosas que dependían de los recursos naturales que los rodeaban para obtener alimentos, herramientas, refugio y recursos culturales. El pescado era uma fuente importante de alimento y trataban a Wildeat Creek como tratarian a un amigo cercano o un familiar.

#### Chochenyo Words for Wildcat Creek

The Confederated Villages of Lisjan, a group of six tribes that lived here, knew a lot about the plants and animals of this area. Here are some of the plants and animals that were, and still are, important to them, and us.

Los Pueblos Confederados de Lisjan, un grupo de seis tribus que vivían aquí, sabían mucho sobre las plantas y animales de esta zona. Estas son algunas de las plantas y animales que fueron, y siguen siendo, importantes para ellos y para nosotros.





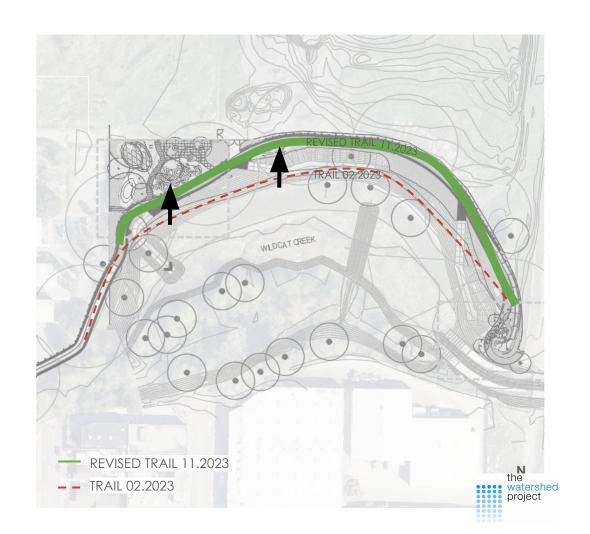




Learn more about these plants and animals and others native

to Wildcat Watershed

# UPDATE: BASIN MOVED NORTHWARD









Presentations, Meetings





Tours, Design Charrettes





Book readings and hands-on activities



# SURVEY- DESIGN ELEMENTS

## **WILDCAT CREEK: POTENTIAL AMENITIES**



What would you like to see along the trail, and where?













LEGEND

WEDCAY DISERVIRAD

PUTENTIAL IMPROVEMENTS





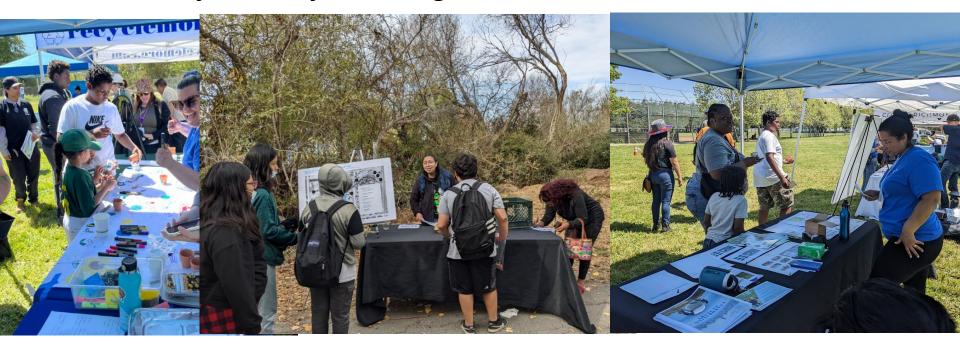


Survey on community preferences

English & Spanish



# Community Survey – Design Elements







# Design of Community Benefits Elements



# **WILDCAT CREEK DESIGN SET**







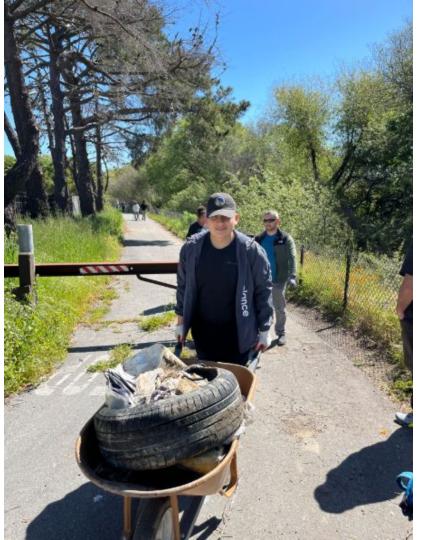








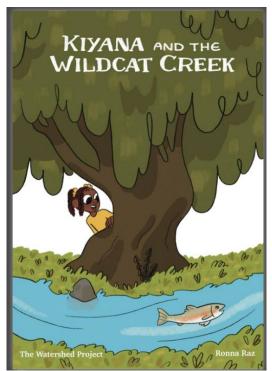


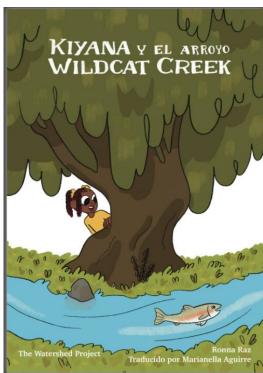


# Additional Deliverables to the Community



# Storybook





It has been a very rainy couple of days. The playground was wet, the creek by the school filled with water, and all the plants were bright and green. Kiyana and her friends decided to spend recess collecting flowers through the fence by the playground. The flowers were the best on the other side of the fence, where they grew by the Wildcat Creek.

Suddenly, Kiyana spotted something moving in the water!

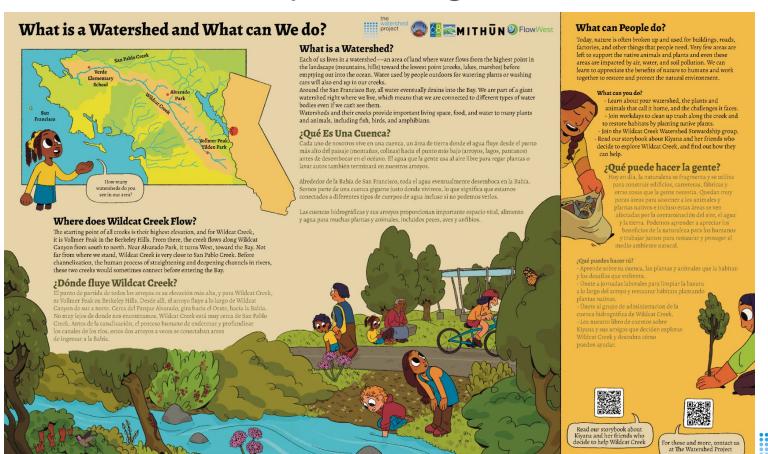






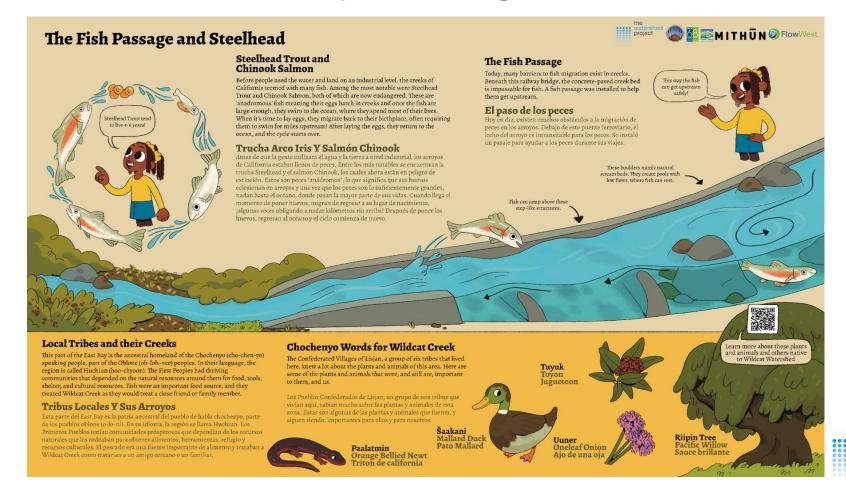


# Interpretive Signs



project

# Interpretive Signs



# **Tribal Collaboration**









# TRIBAL STORIES FROM THE COAST AND WATERSHEDS OF NORTH RICHMOND, CALIFORNIA





Deja Gould and Cheyenne Zepeda on Creeks

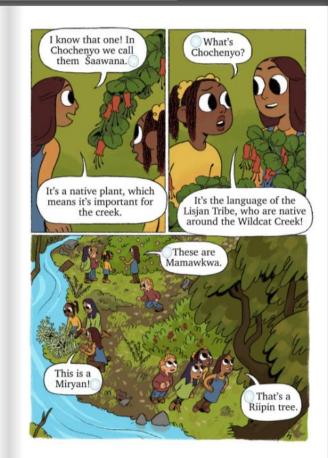




'Oh no,' thought Kiyana, 'We can't turn back, we have to find the trout!' Maybe if she wasn't scared, everyone else wouldn't be either! Kiyana took a big breath, and walked on confidently.

Suddenly, a flower caught Kiyana's eye. It was long and bright red, and it had little red stringy things coming out of it.

"Guys! Come look at this flower, it's beautiful..." Kiyana motioned to the others, "It's not scary here, it's just the creek."











# Plants and Animals of Wildcat Creek

Start Tour

► Play Audio

► Play Video

Native plants and animals are well adapted to the unique climate, water regime, and geography of their environment. Here, we highlight a couple of the native plants and animals that also call this watershed home.

In our watershed, we can find grasses,



# Native Oaks and Their Ecosystem

**Start Tour** 

► Play Video



In the vacant lot across from you is a small stand of Coastal Live Oaks (scientific name: Quercus agrifolia) as well as a large Willow tree (scientific name: Salix glauca L.). These











## Delta Unit

# Community Concerns:

- Gravel and Sediment Piles
- Safety Issues
- Advocacy



the watershed project

# The Work Ahead



Wildcat Watershed
Initiative for Leadership
and Development
(WWILD)





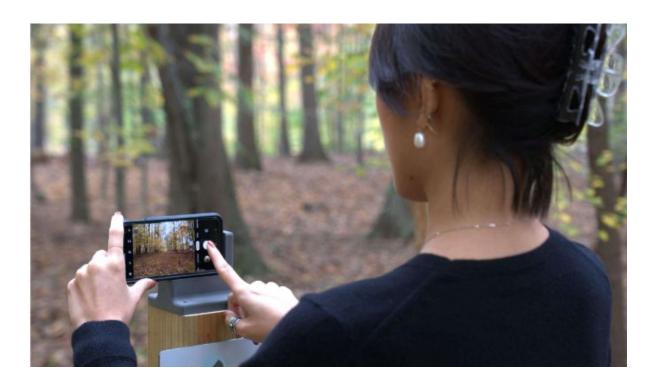
www.thewatershedproject.org

Natalie@TheWatershedProject.org

WE ARE LOOKING FOR YOU!

# Community Science - Creek Water Level Monitoring

In preparation for fish habitat restoration







## Green Collar Corps (Interns)



Creek Restoration (with Urban Tilth)



Support our ongoing programming in Wildcat Creek and the Fish Passage

Creek Water Quality Monitoring with Trout Unlimited

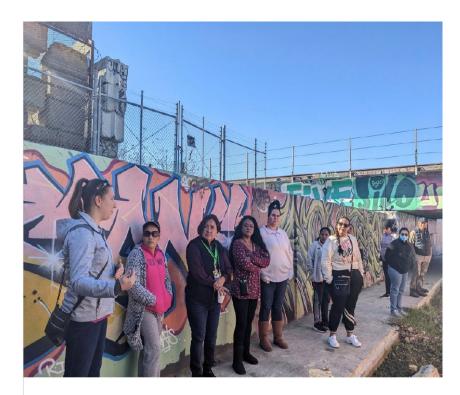




Creek Cleanup (with SOS Richmond)

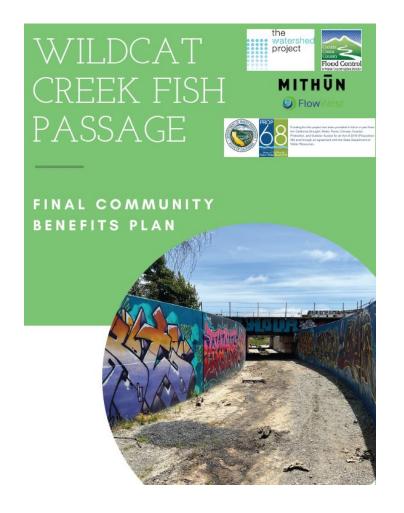


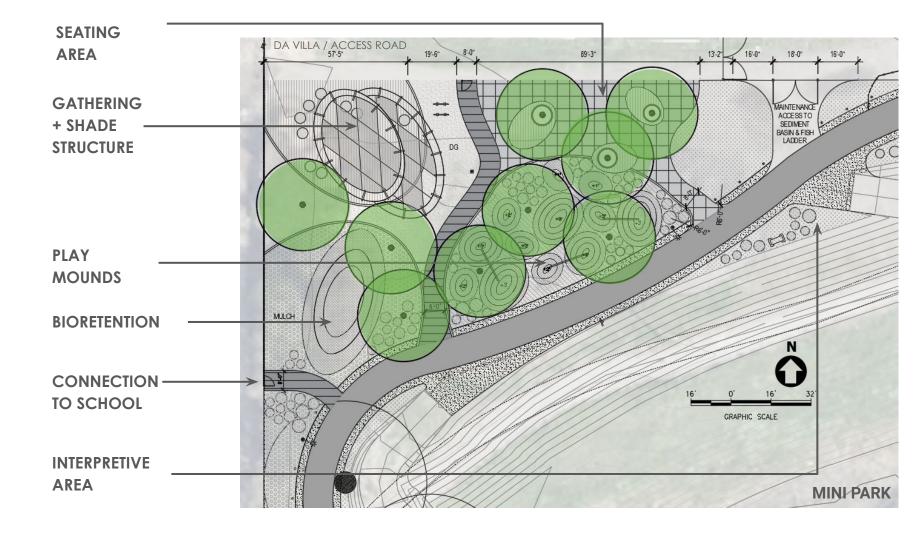


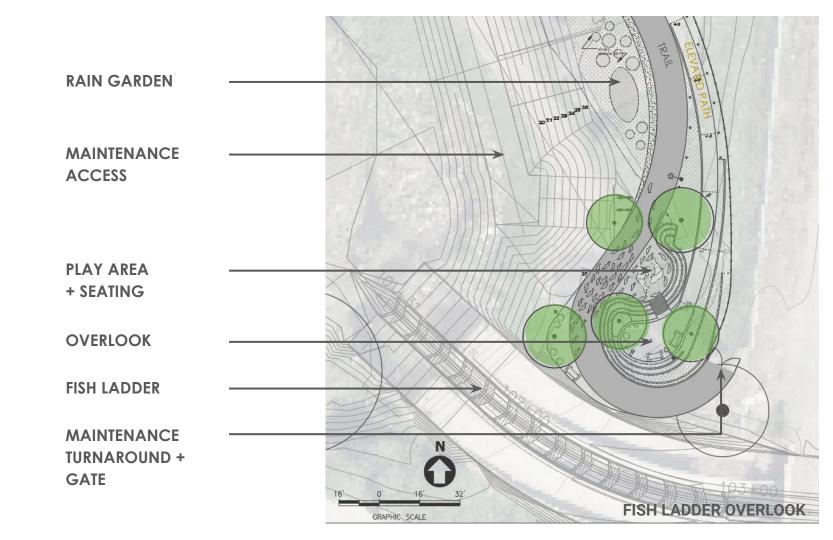


WILDCAT CREEK FISH PASSAGE
COMMUNITY BENEFIT PLAN 50% DESIGN

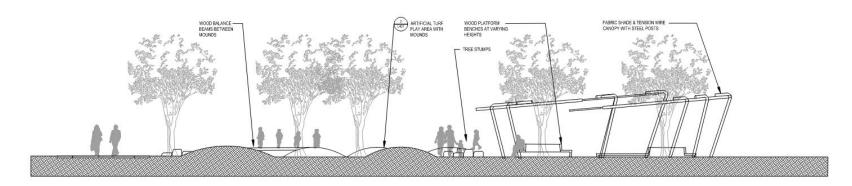
**NOVEMBER 2022** 





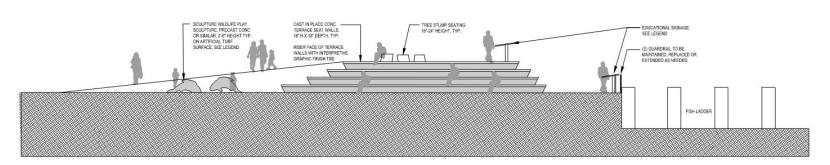


# **SECTION VIEWS: AMENITIES ACROSS TRAIL**



VERDE MINI PARK SECTION

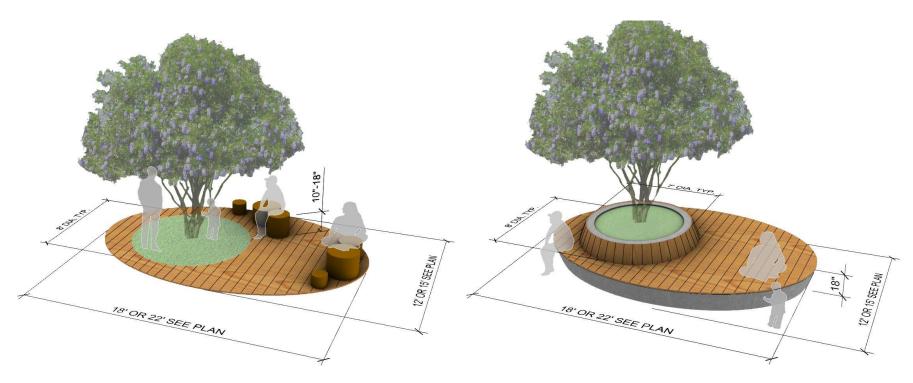
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FISH PASSAGE OVERLOOK SECTION

1

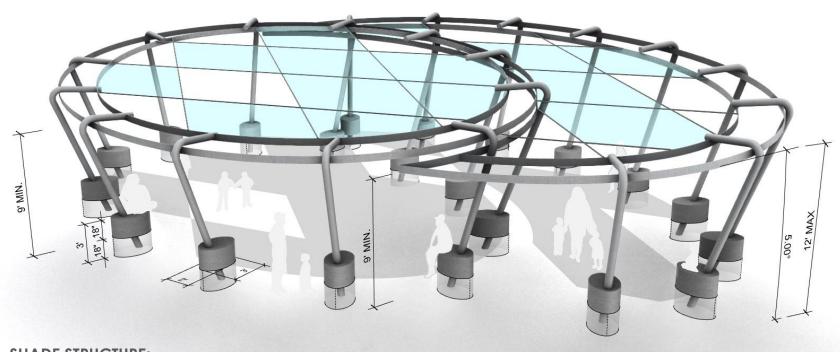
# **DESIGN DEVELOPMENT: SEATING**



FLUSH SEATING (ground level)

RAISED SEATING (18" height)

# **DESIGN DEVELOPMENT: SHADE STRUCTURE**



### SHADE STRUCTURE:

Raised above-ground footing reduces cost, and adds seating

# LIGHTING ALONG PATHWAY

Urban and habitat-friendly, Dark Sky compliant





