

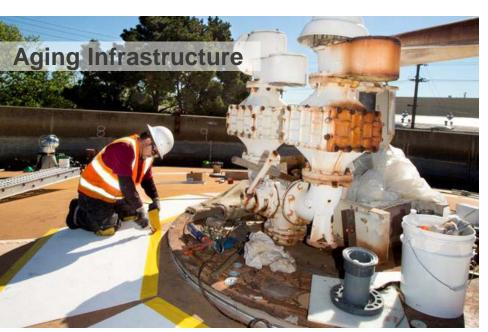
04.18.16

# Sewer System Improvement Program Overview

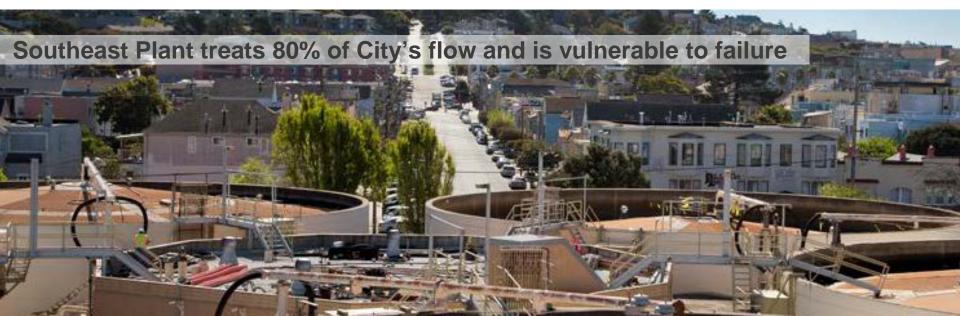
Karen Kubick, Wastewater Enterprise Capital Program Director

**Civic Design Review** 

# Some of Our Priority Challenges







## **Our Combined Sewer System**



#### SSIP's Levels of Service Goals



Provide a Compliant, Reliable, Resilient, & Flexible System that can Respond to Catastrophic Events



Integrate Green & Grey Infrastructure to Manage Stormwater and Minimize Flooding



Provide Benefits to Impacted Communities



Modify the System to Adapt to Climate Change



Achieve Economic & Environmental Sustainability



Maintain Ratepayer Affordability

# Sewer System Improvement Program (SSIP)

Grey.

#### Green.

Clean.



SYSTEM AND SEISMIC RELIABILITY & REDUNDANCY



INNOVATIVE STORMWATER MANAGEMENT SOLUTIONS



PROTECTING PUBLIC HEALTH & THE ENVIRONMENT

# SSIP Phase I Projects

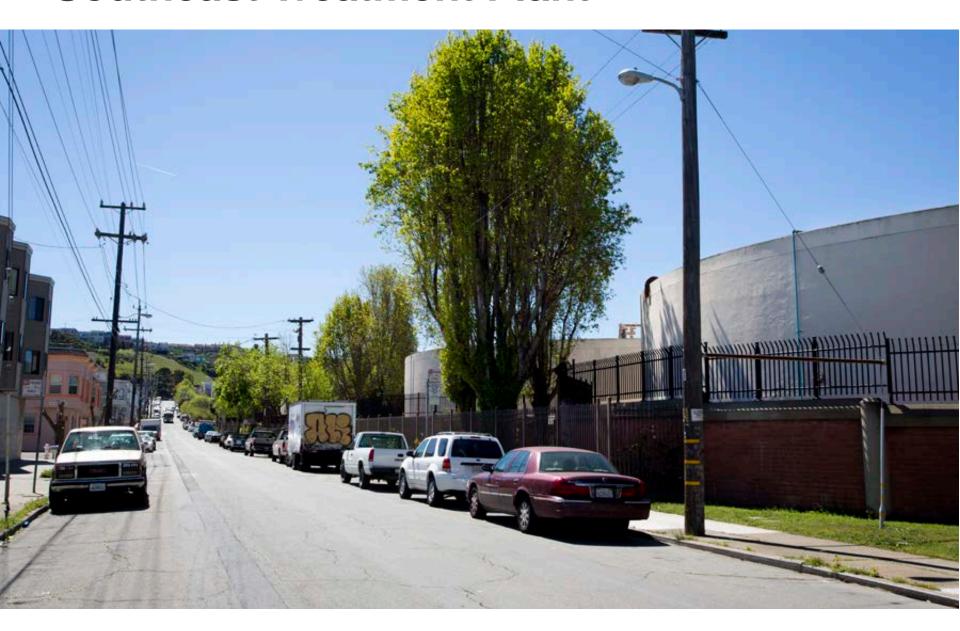
Southeast Treatment Plant Upgrades



# **Southeast Treatment Plant**



# **Southeast Treatment Plant**

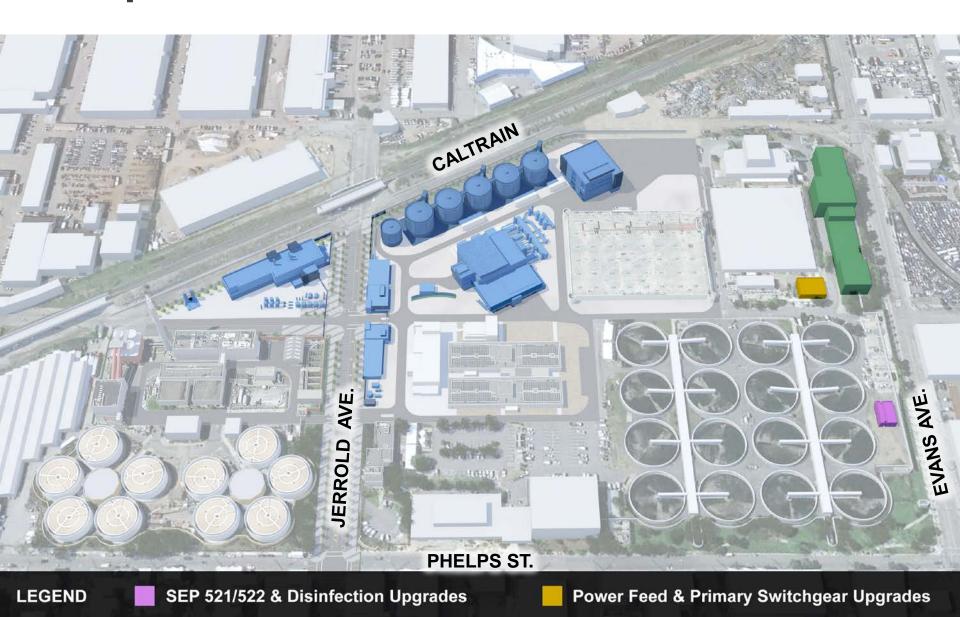


# **Southeast Treatment Plant**



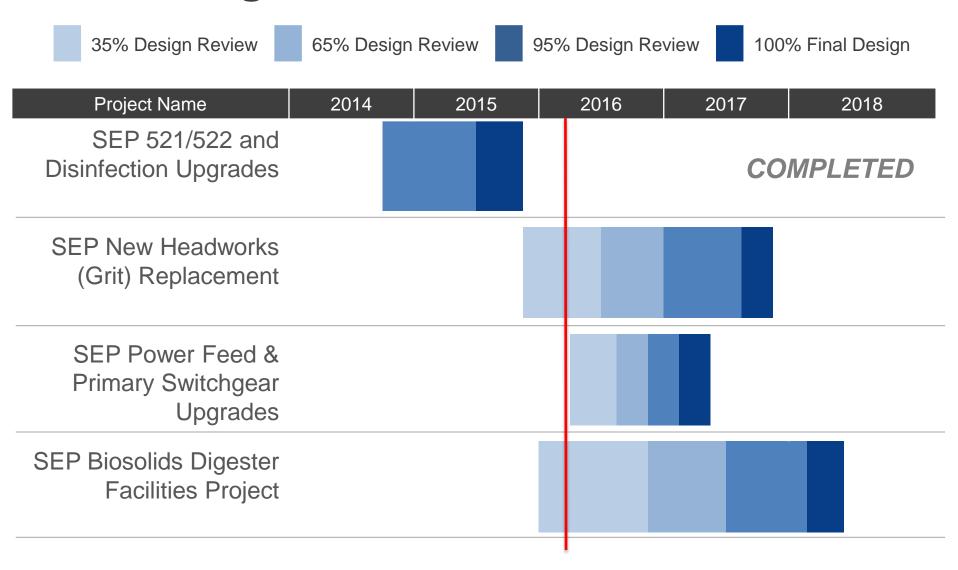
# **Proposed SEP Facilities**

**Headworks Facility** 



**Biosolids Digester Facilities Project (BDFP)** 

# SEP Design Schedules



# **Next Steps/Forward Calendar for 2016**



# 2% Allocated for Arts from SSIP Phase 1 SEP Projects \$5.3M

Biosolids Digester Facilities Project......\$3.5M
 SEP New Headworks (Grit) Replacement...\$1.4M
 SEP 521/522 and Disinfection Upgrades....\$0.1M
 SEP Power Feed and Primary Switchgear Upgrades.....\$0.3M

\$5.3M



# Questions









sfwater.org/ssip ssip@sfwater.org



# SEP Campus: What Defines a Campus?

- Buildings with a shared identity in an open space network
- Consistent use of materials and elements
- Planning to promote walking and cycling
- Coordinated outdoor program
- Sense of "diversity within unity"



Buildings organized in an open space network Loyola Marymount University Campus, L.A.

# **SEP Campus: Consistency**



# **SEP Campus: Identity**

#### **TECHNOLOGY**

process



people



place



**Bold Colors** 



Legible Message



Illumination



Industrial Texture



**Educational Spaces** 



Flexible Spaces



Inclusive Program



**Engaging Architecture** 



Managed Urban Ecology



Coordinated Landscape



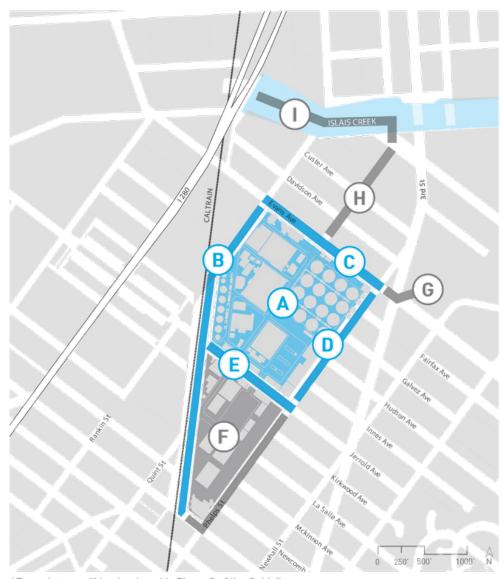
Stormwater Management



Interpretive Elements

# **SEP Campus: Zone by Zone Approach**

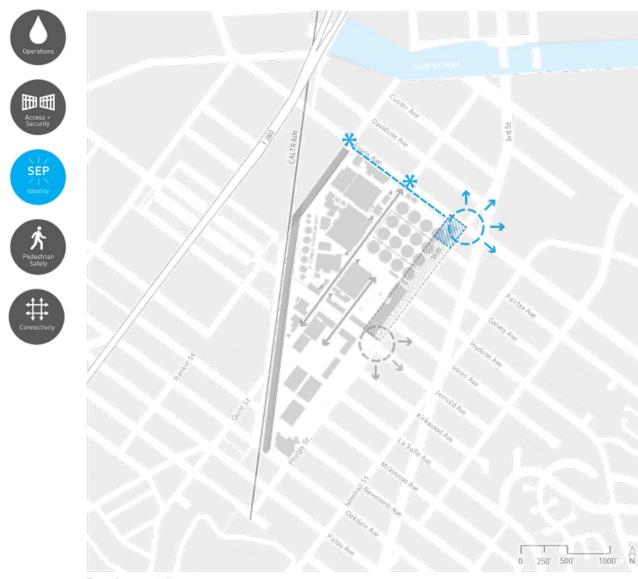
- SEP NORTH CAMPUS
- B CAL TRAIN + I-280
- © EVANS AVE
- D PHELPS ST
- **E** JERROLD AVE



\*Zones in gray will be developed in Phase 2 of the Guidelines

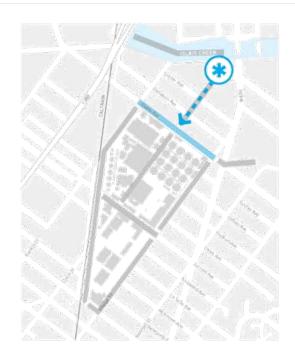


# **ZONE C: EVANS AVE.**



Zone C concept diagram

# **Zone C: Evans Ave. | Site Observations**

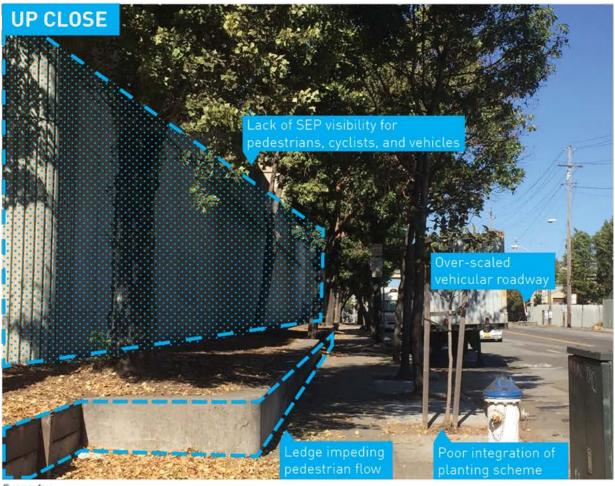




Quint St.

# **Zone C: Evans Ave. | Site Observations**





Evans Ave.

# **Zone C: Evans Ave.** Identity & Visual Expression







Maintain Legibility from a Distance







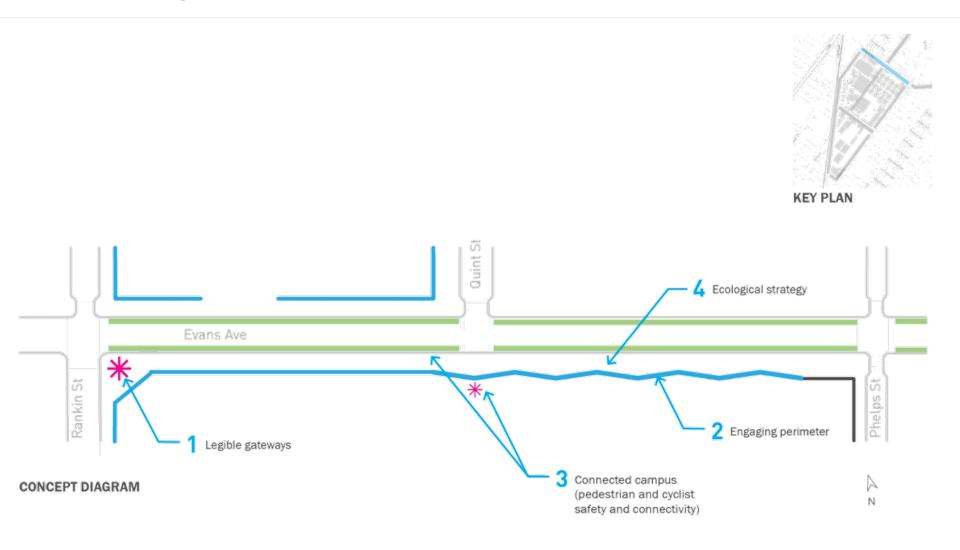


**UTILIZE THE PERIMETER** 



**Create Opportunities for Discovery** 

Sansiri Living Gallery, Bangkok, Thailand



#### **Zone C: Evans Ave.** Identity & Visual Expression

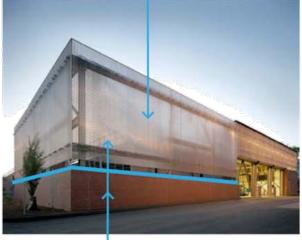
#### **Precedent Studies**

Visually dynamic and threedimensional. Effective from a distance and close-up



Blends screen (upper level) and solid wall (lower level)

Simple and uniform use of materials with a sculptural approach Two different materials used to break the volume horizontally in a bold move



Upper level screen makes the overall volume seem lighter

Brick provides a rich yet simple response at a pedestrian scale

Visually dynamic and three-dimensional. Effective from a distance and close-up

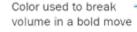


Screen used to break the volume into horizontal bands of varying width

## Zone C: Evans Ave. | Identity & Visual Expression

#### **Precedent Studies**

Screen used to break volume Subtle change in color integrates wayfinding/branding









Upper level screen makes the overall volume seem lighter

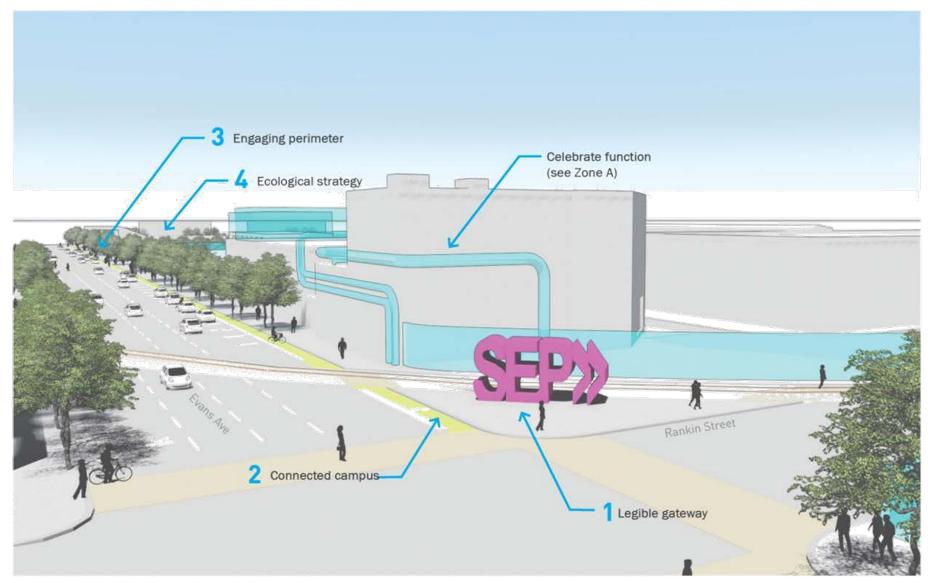
Active ground level

Visually dynamic and threedimensional. Effective from a distance and close-up

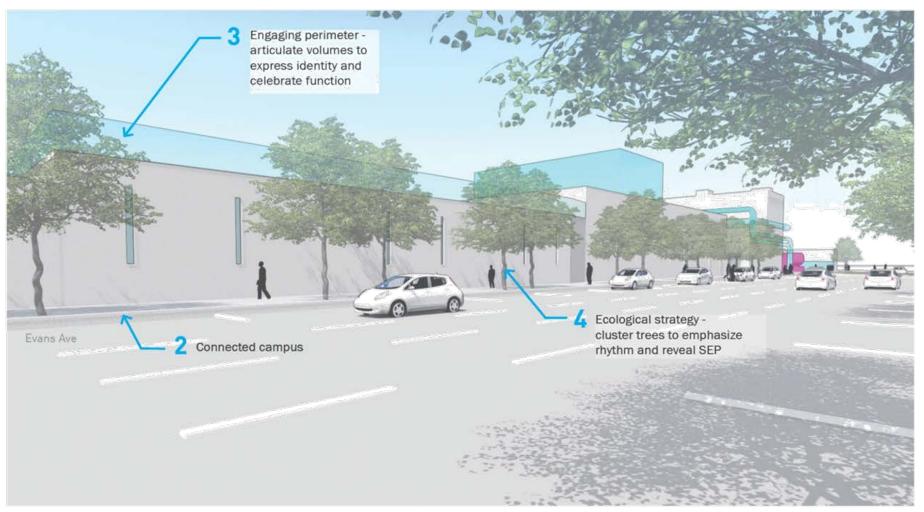


Upper level screen makes the overall volume seem lighter

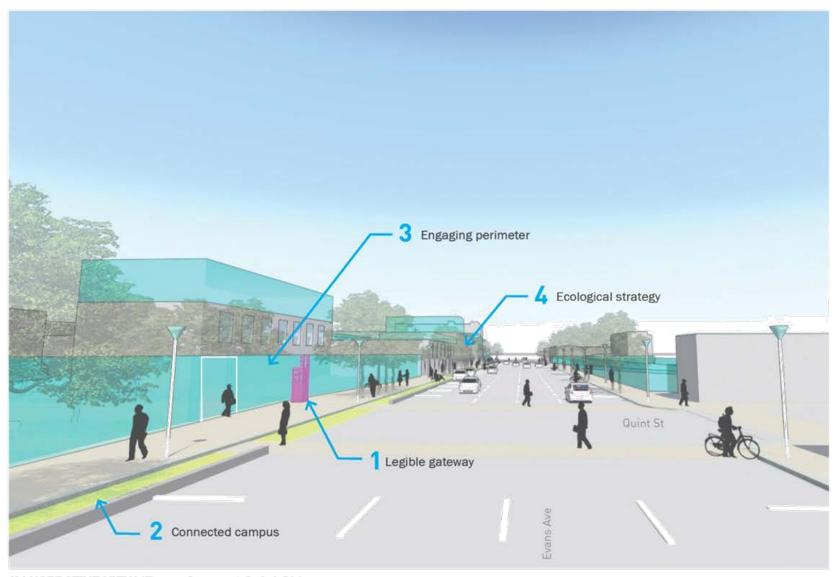
Screen colour and translucency used to break volume horizontally and create visual interest



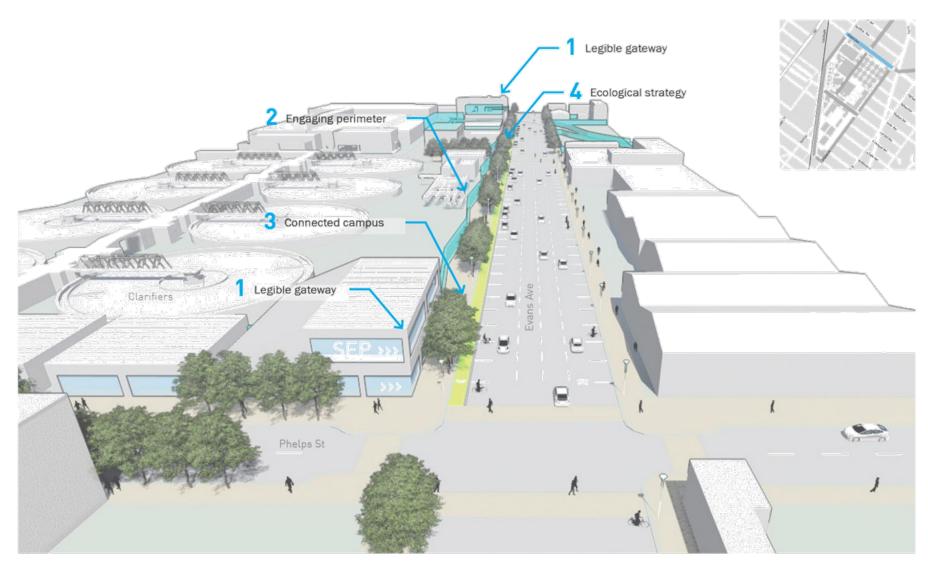
ILLUSTRATIVE VIEW (Evans Ave. and Rankin St.)



ILLUSTRATIVE VIEW (Evans Ave.)



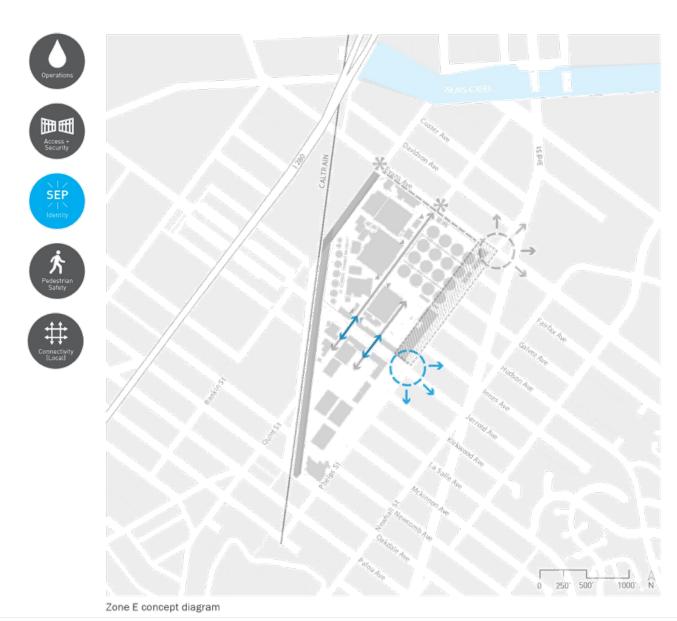
ILLUSTRATIVE VIEW (Evans Ave. and Quint St.)



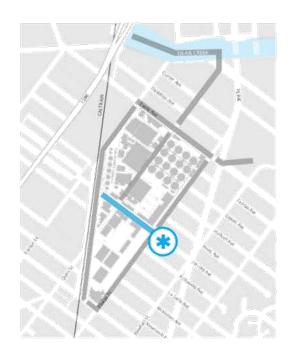
ILLUSTRATIVE VIEW (Phelps Street and Evans Avenue)



# **ZONE E: JERROLD AVE.**



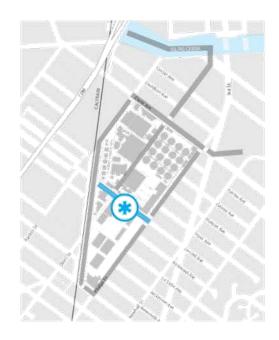
# **Zone E: Jerrold Ave. | Site Observations**

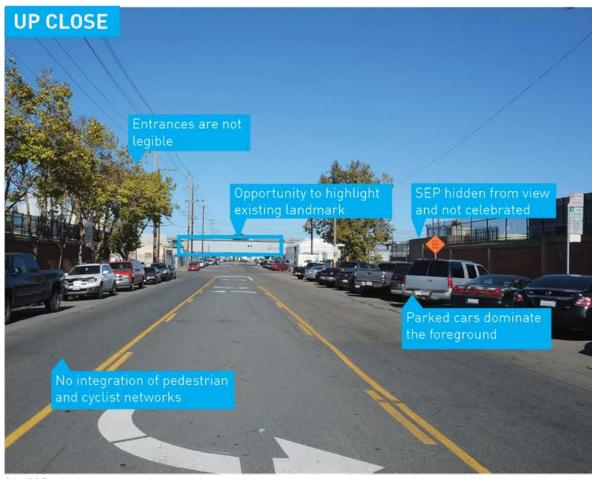




Jerrold Ave. + Phelps St.

# **Zone E: Jerrold Ave. | Site Observations**





Jerrold Ave.

## Zone E: Jerrold Ave. | Identity & Visual Expression

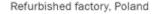






Legibility and Wayfinding



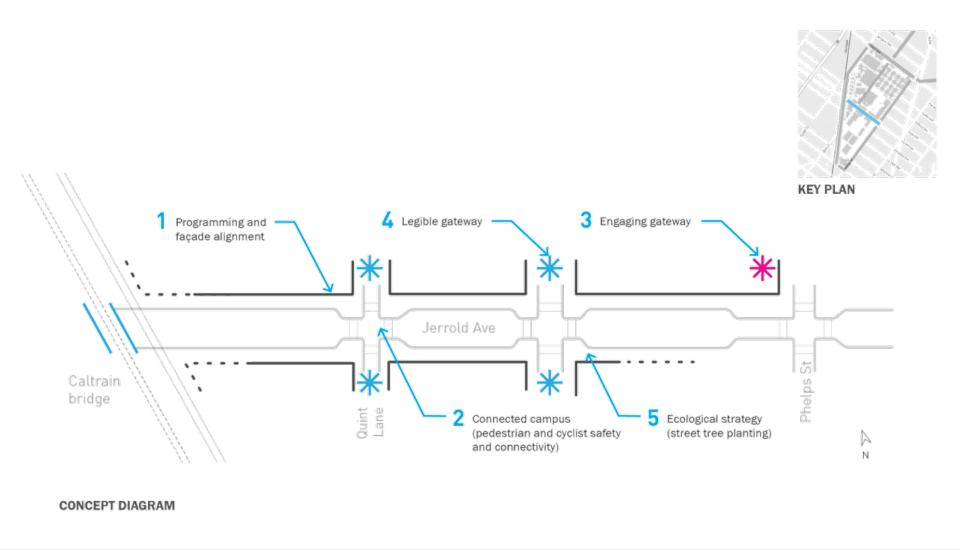


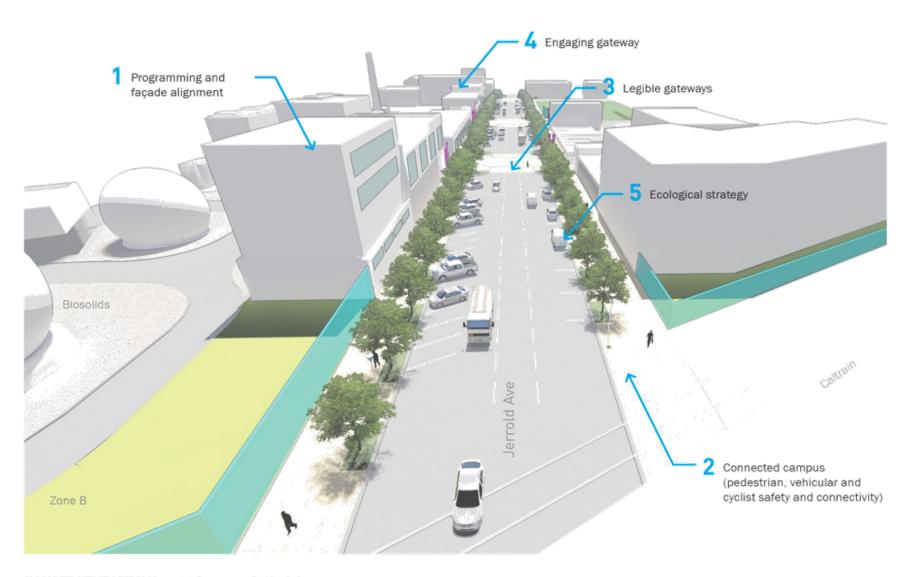
Future factories, Barcelona, Spain



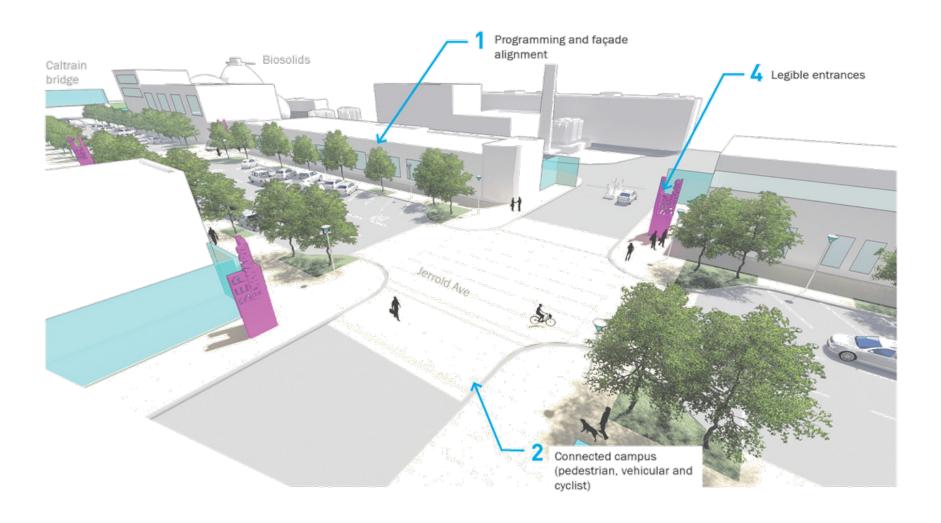


Water treatment facility, Portland

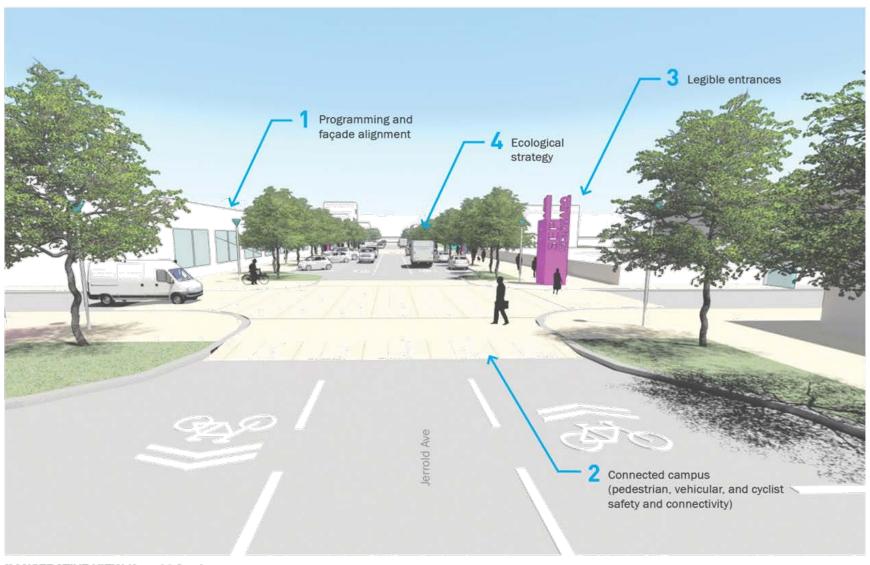




ILLUSTRATIVE VIEW (Jerrold Ave. and Caltrain)



ILLUSTRATIVE VIEW (Jerrold Ave. gateways)



ILLUSTRATIVE VIEW (Jerrold Ave.)

# **SEP Campus: Way Forward**

- Design guidelines as a process
- Internal coordination through regular meetings with design teams
- Project-focused presentations for CDR



Promoting collaboration through programming. Arizona State University Campus.



# THANK YOU.







sfwater.org/ssip ssip@sfwater.org sfwater.org

# ZONE (C) EVANS AVE.

