

SACRAMENTO VALLEY STATION AREA PLAN

VIRTUAL COMMUNITY OPEN HOUSE

AUGUST 26, 2020

GRIMSHAW TRANSIT DESIGN

JOURNEY

PERKINS & WILL URBAN DESIGN

DESTINATION

ARUP, NELSON/NYGAARD, AIM CONSULTING, EPS

AGENDA

WELCOME REMARKS BY ELECTED OFFICIALS

(Congresswoman Matsui, Mayor Steinberg, Vice Mayor Harris)

PROJECT CONTEXT

SACRAMENTO VALLEY STATION AREA VISION

TRANSIT CONNECTIVITY FRAMEWORK

(Partner Speaker: Robert Padgett, Managing Director at CCJPA)

DEVELOPMENT PATTERN

- New Station Concourse
- Bus Mobility Center
- Public Realm Interventions

(Partner Speaker: Ty Smith, Museum Director at California State Parks Department)

SUSTAINABILITY STRATEGIES

- Living Community Challenge Vision per ILFI
- District Energy + Water Strategy

(Partner Speaker: Kathleen Ave, Senior Climate Program Manager at SMUD)

PROJECT PHASING & NEXT STEPS

Q&A / DISCUSSION

EXISTING CONTEXT



Kaiser Medical
Campus Site

MLS Stadium Site

RAILYARDS BLVD

1/4 mile

Central
Shops District

West
Sacramento

River Walk Park

River One

Old
Sacramento

Downtown
Commons

Golden 1
Arena

City Hall

Sutter Health
Park



UNDERGROUND

PLACEMAKING

Respond to the existing context

- Create a civic landmark and a welcoming gateway to the City
- Create a vibrant destination
- Catalyze new development

MOBILITY

Station building as a Connector

- Create an efficient multimodal hub
- Provide ease of connectivity to, from and through the station
- Ensure parking need is minimized

USER EXPERIENCE

Programming and Wayfinding

- Showcase the culture and identity of Sacramento
- Enable a diverse mix of uses and activities
- Ensure a clear and legible urban environment

SUSTAINABILITY

Whole-systems thinking

- Reduce greenhouse gas emissions
- Leverage and enhance the natural systems
- Prioritize health and well-being of the people

SUSTAINABILITY



LIVING COMMUNITY CHALLENGE

Sacramento Valley Station Master Plan is registered for the Living Community Challenge (LCC). LCC is a certification program that guides the design and construction of buildings and neighborhoods to be socially just, culturally rich, and ecologically restorative. LCC projects aim to have a net positive impact in seven petals: place, water, energy, health & happiness, materials, equity, and beauty.



LIVING BUILDING CHALLENGE

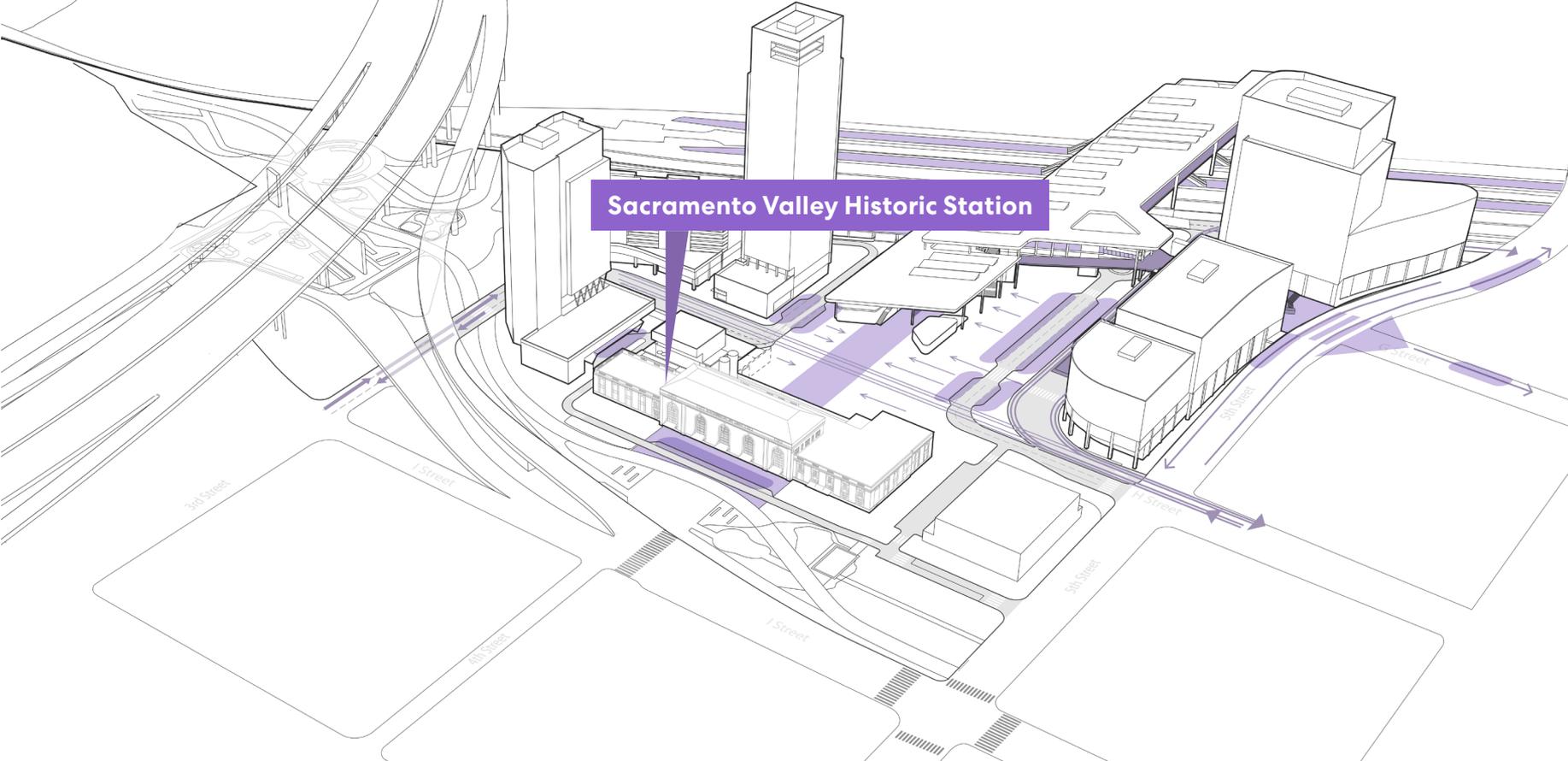
The new station building is registered for the Living Building Challenge (LBC). LBC is a certification program that guides the design and construction of buildings to be socially just, culturally rich, and ecologically restorative. LBC projects aim to have a net positive impact in seven petals: place, water, energy, health & happiness, materials, equity, and beauty.

“Development in the Railyards will propel the City of Sacramento toward its goal of becoming a national leader in sustainable development.”

TRANSIT CONNECTIVITY

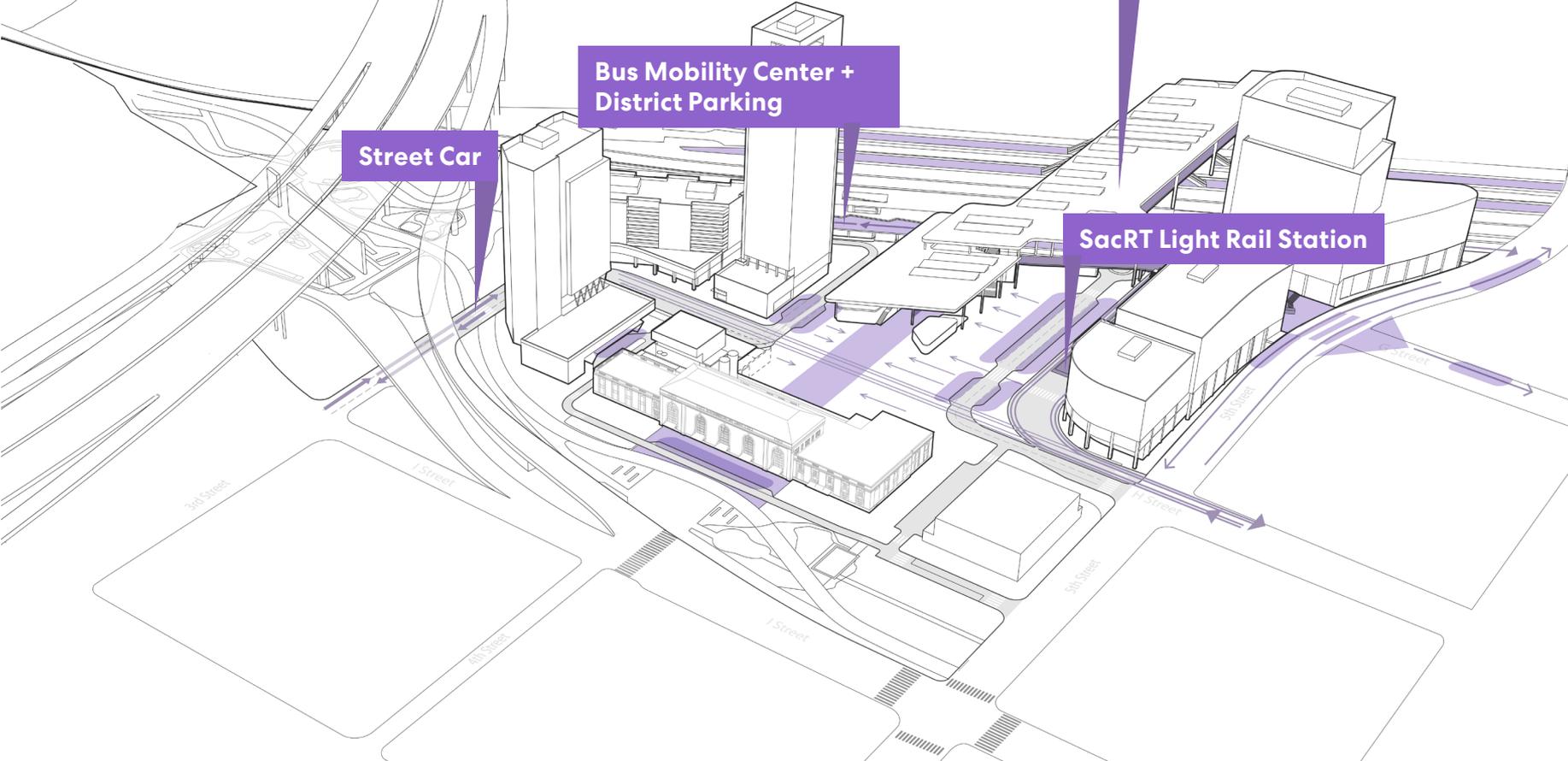
TRANSIT CONNECTIVITY

Efficient and seamless multi-modal connectivity

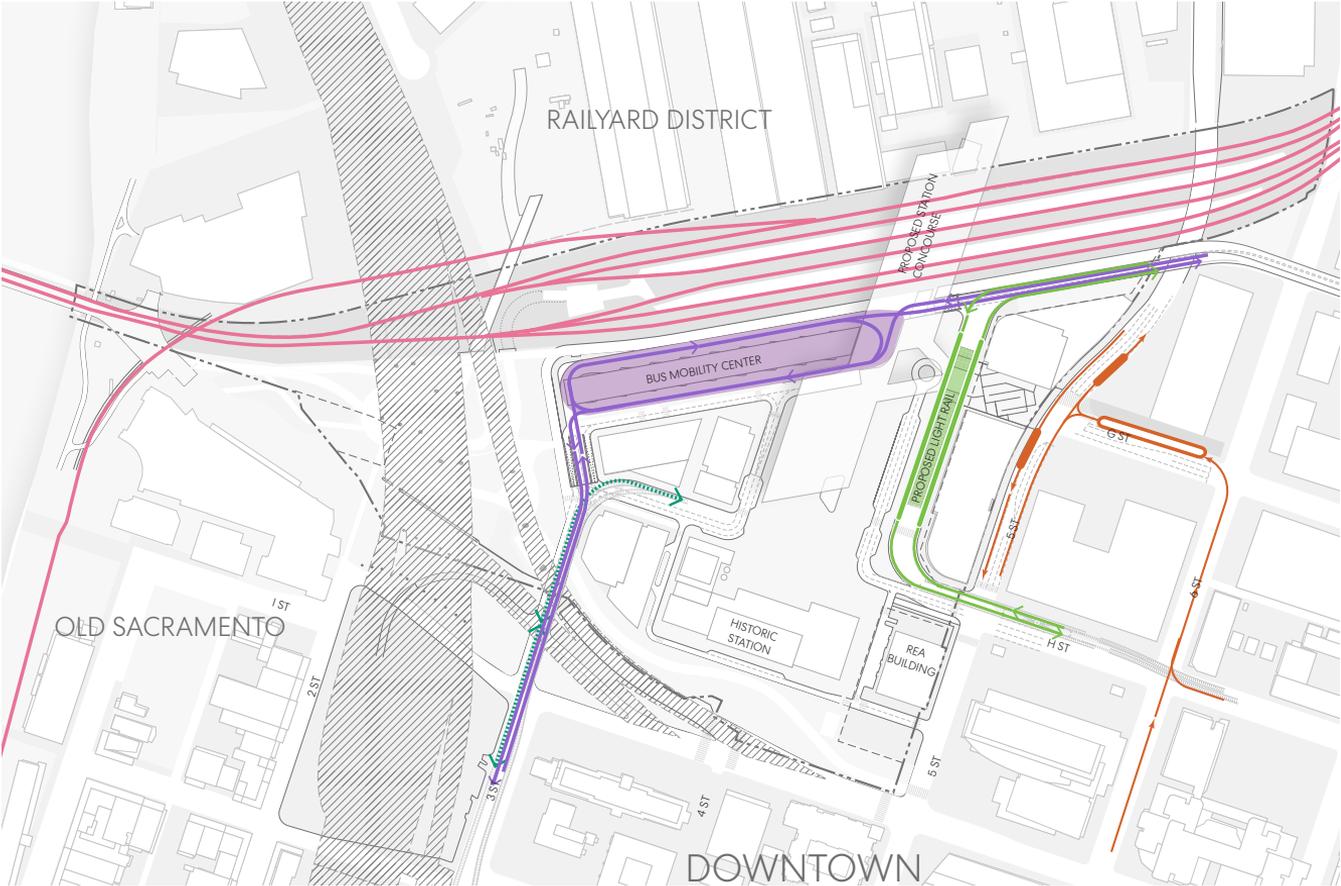


TRANSIT CONNECTIVITY

Efficient and seamless multi-modal connectivity



TRANSIT FRAMEWORK



- Union Pacific Railroad
- Light Rail
- Potential Streetcar
- Regional Bus
- Local Bus Stop
- Local Bus Layover

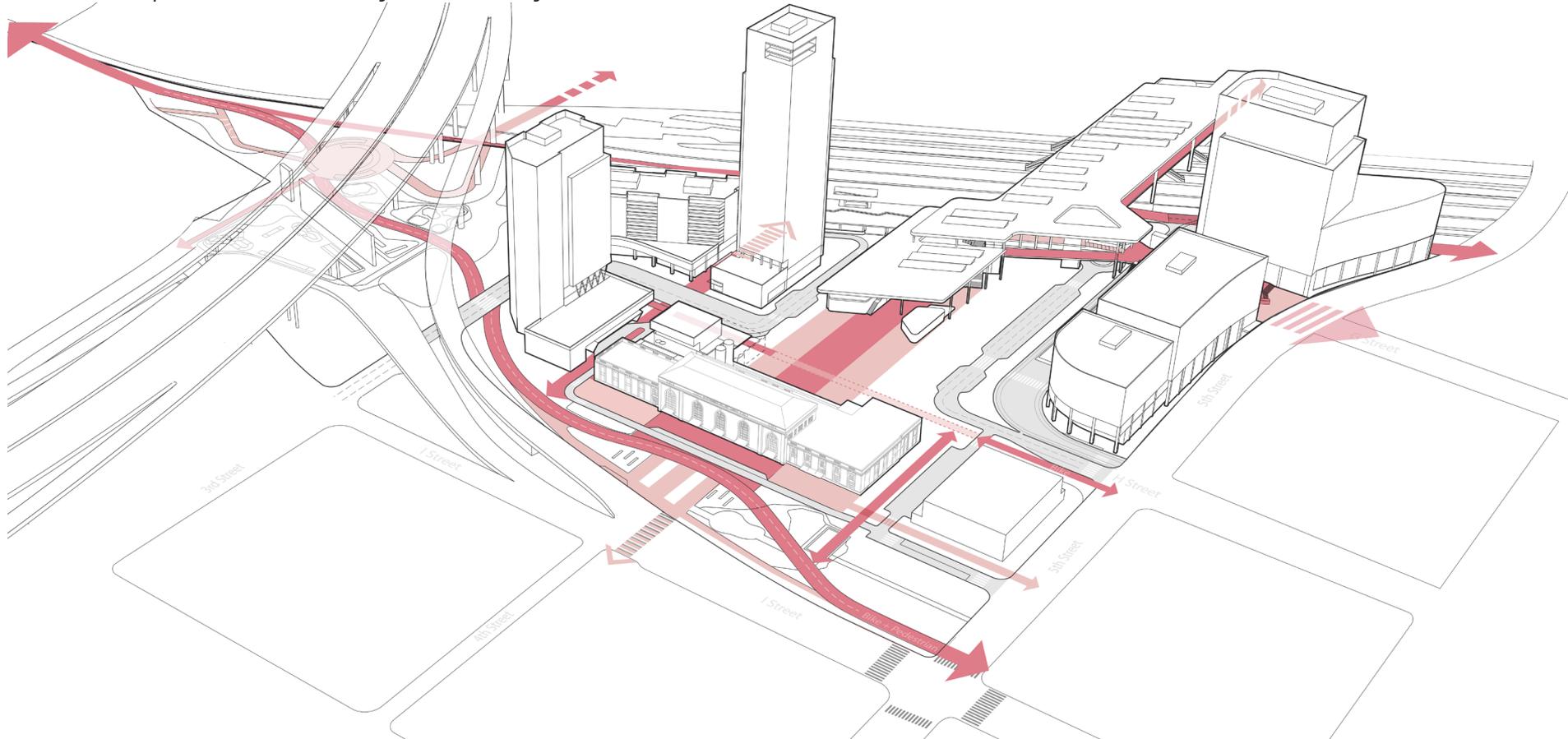
BIKE NETWORK



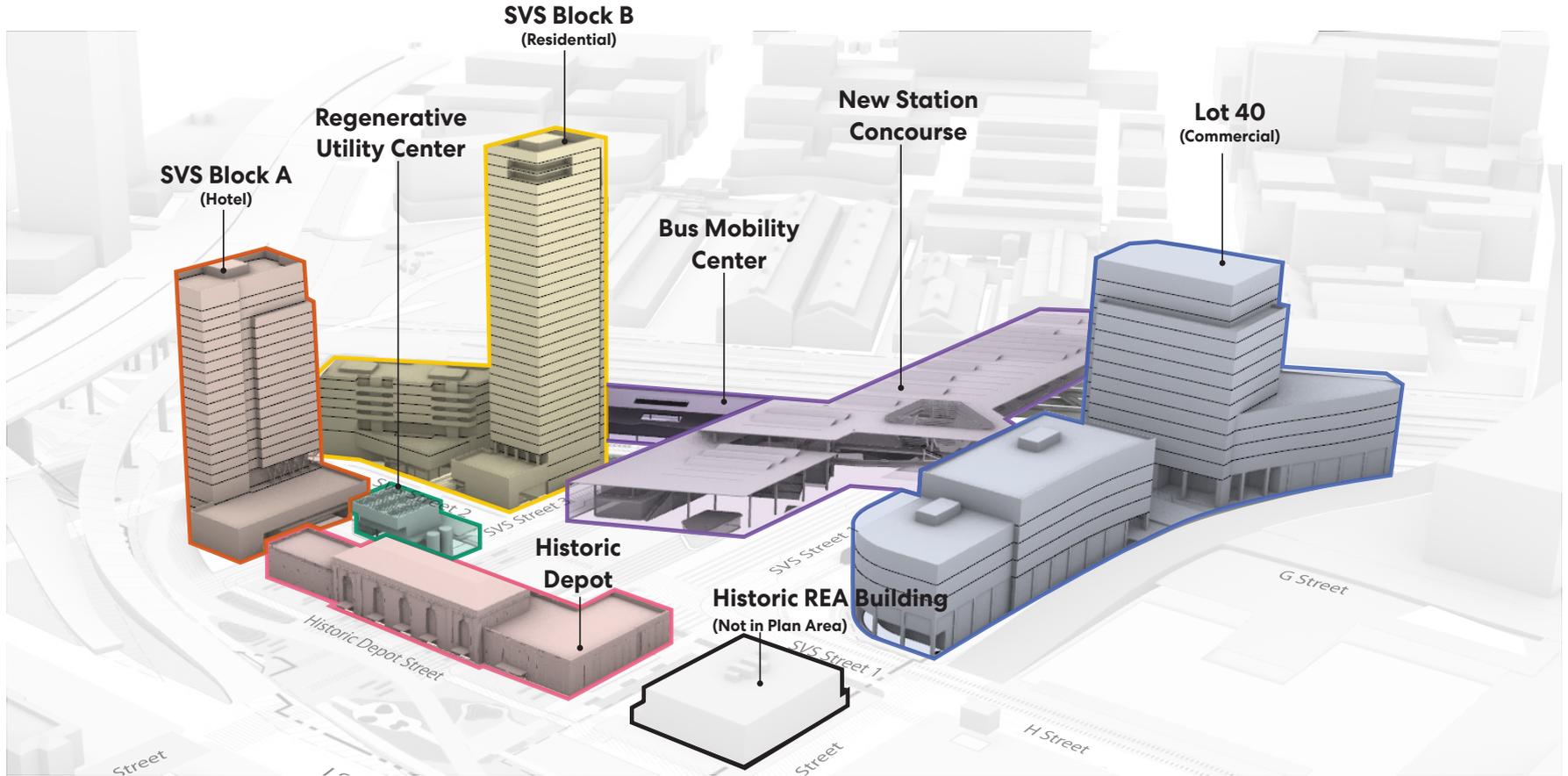
- Bike Hub
- Bike Route
- Bike Underpass
- Bike Access in Plaza

PEDESTRIAN AND BIKE NETWORK

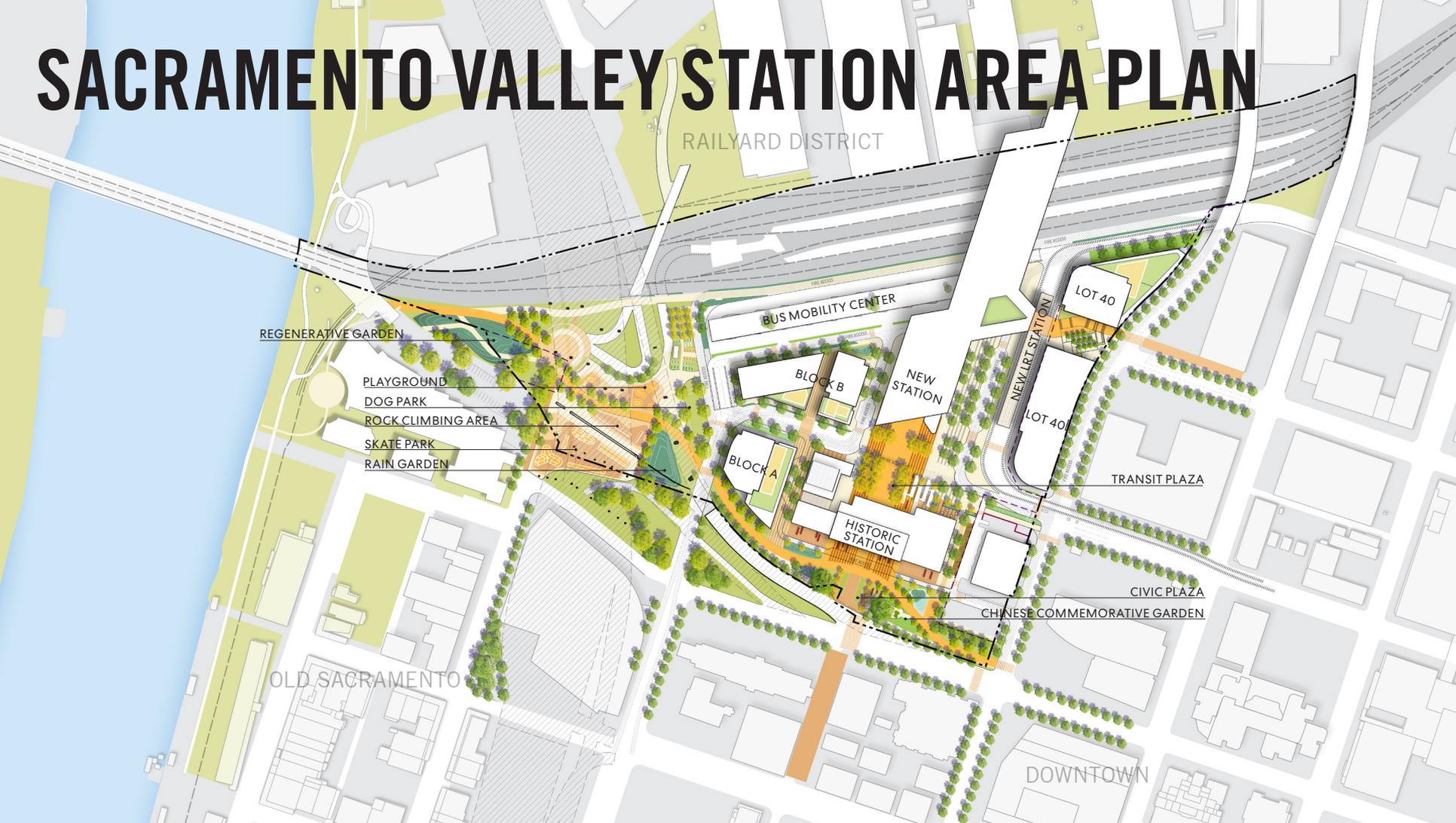
Bike and pedestrian friendly community



DEVELOPMENT PATTERN



SACRAMENTO VALLEY STATION AREA PLAN



RAILYARD DISTRICT

REGENERATIVE GARDEN

PLAYGROUND

DOG PARK

ROCK CLIMBING AREA

SKATE PARK

RAIN GARDEN

BUS MOBILITY CENTER

BLOCK B

NEW STATION

LOT 40

NEW LRT STATION

LOT 40

TRANSIT PLAZA

BLOCK A

HISTORIC STATION

CIVIC PLAZA

CHINESE COMMEMORATIVE GARDEN

OLD SACRAMENTO

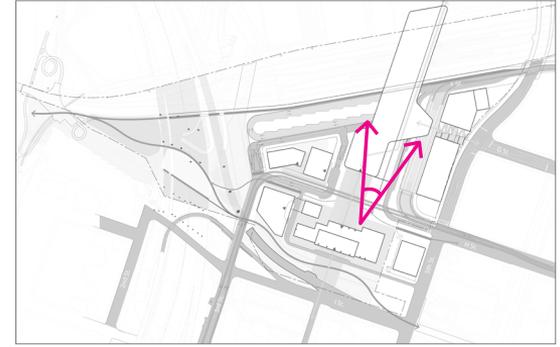
DOWNTOWN

PEOPLE FIRST APPROACH

A Welcoming Car-free Transit Plaza and a Thriving Transit-integrated Community



NEW STATION CONCOURSE



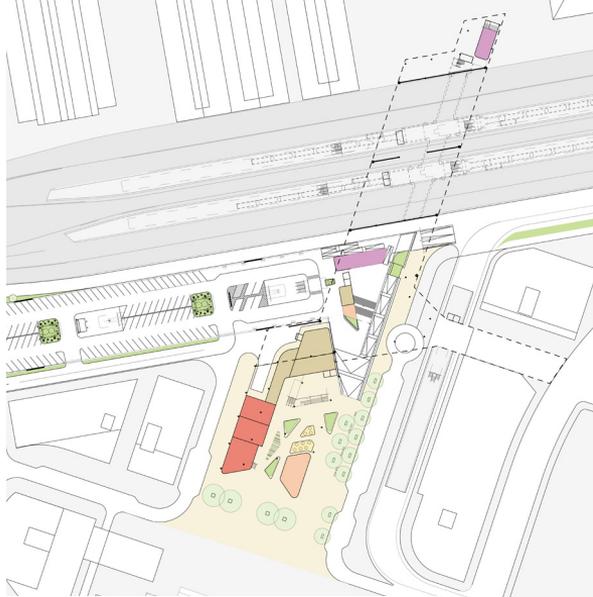
DEVELOPMENT PATTERN



TRANSIT PLAZA

NEW STATION CONCOURSE

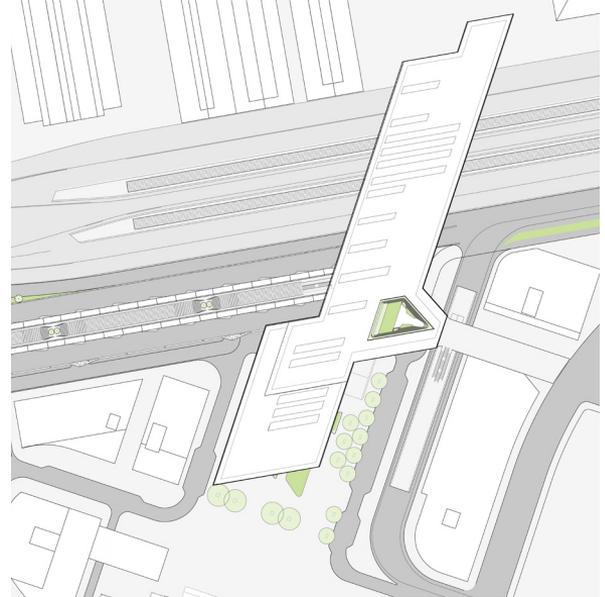
Ground Level



Concourse Level

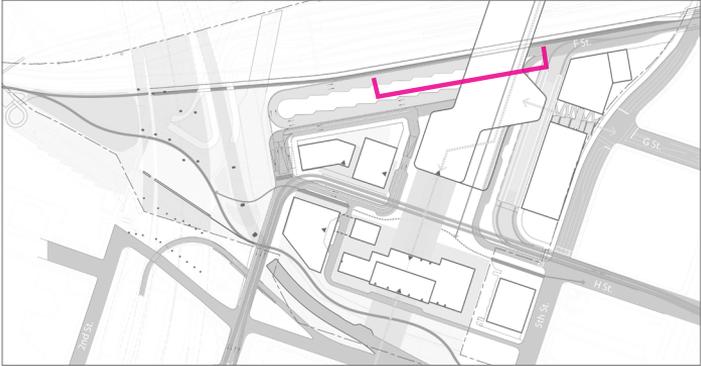


Roof Level

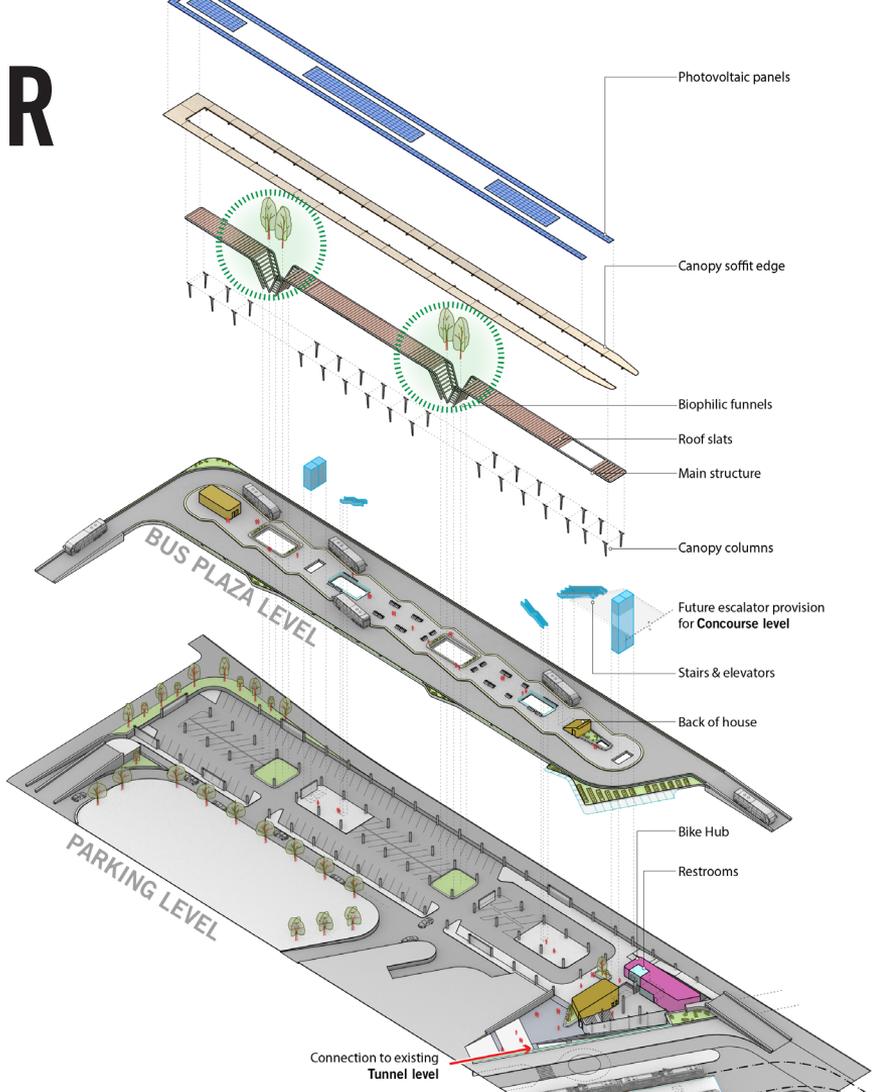
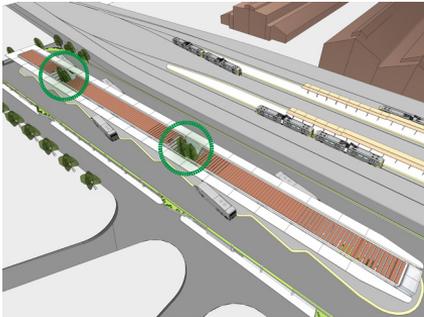


- Green roof/Planting
- Retail
- Back of House
- Bike Hub
- Front of House
- Station Circulation
- Public Circulation
- Main Stairs, Escalators&Elevators

BUS MOBILITY CENTER + CONCOURSE



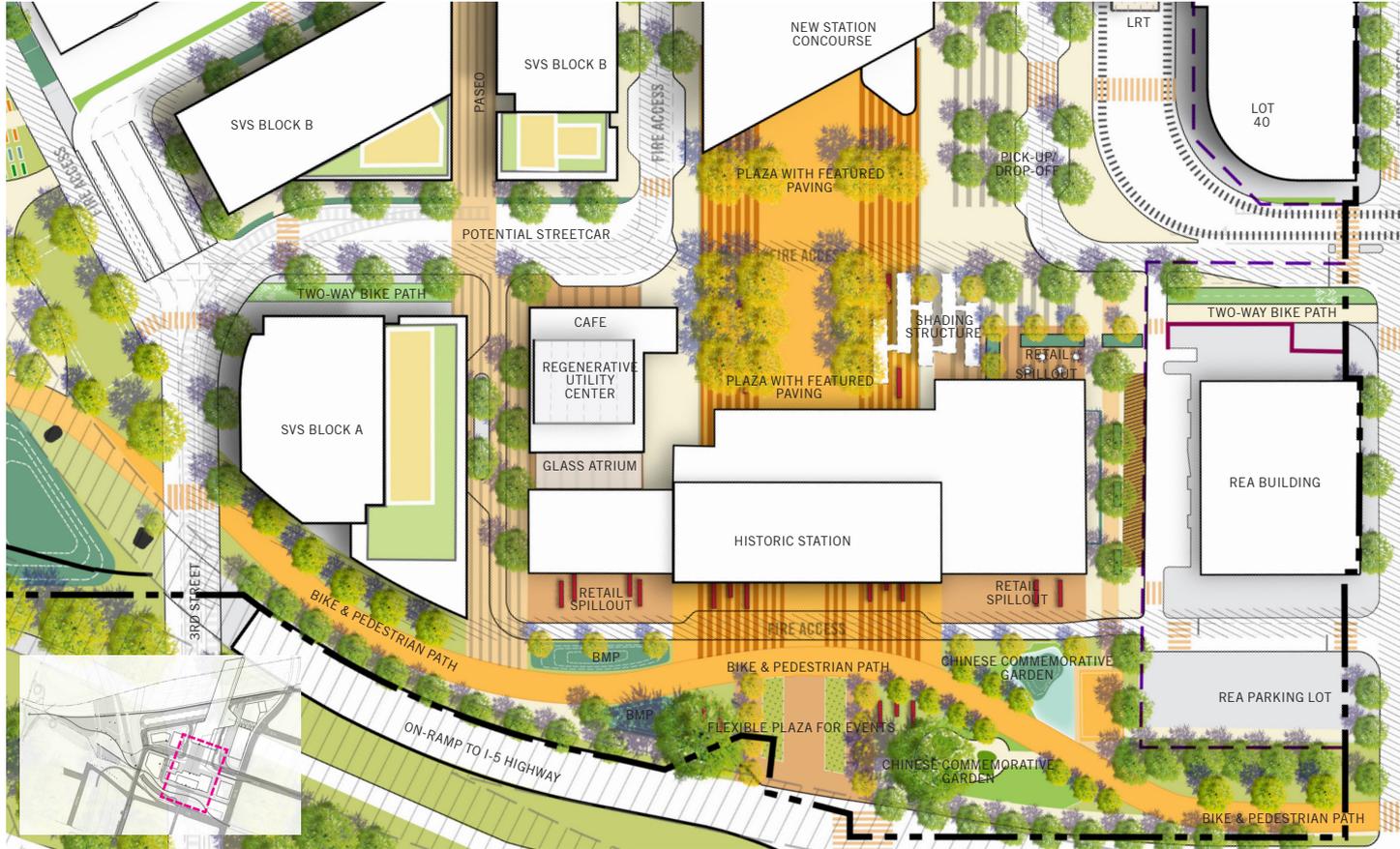
BUS MOBILITY CENTER



BUS MOBILITY CENTER



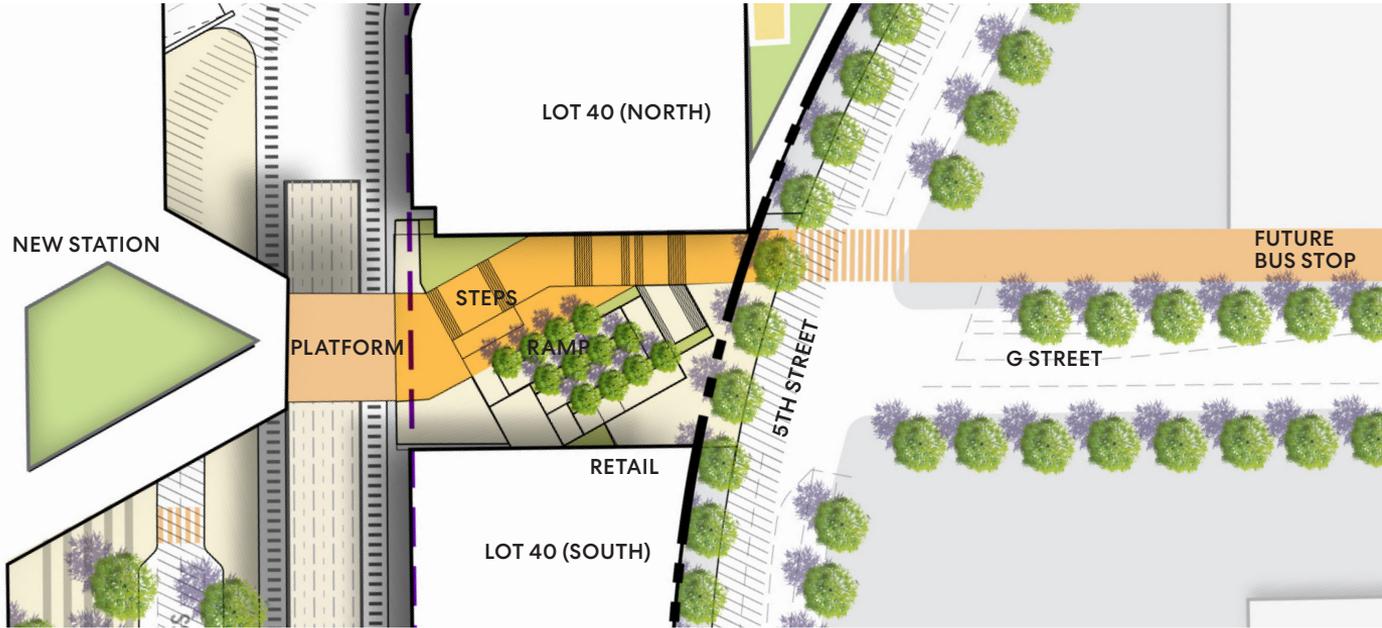
CIVIC PLAZA & TRANSIT PLAZA





CIVIC PLAZA

5TH STREET PLAZA





5TH STREET PLAZA



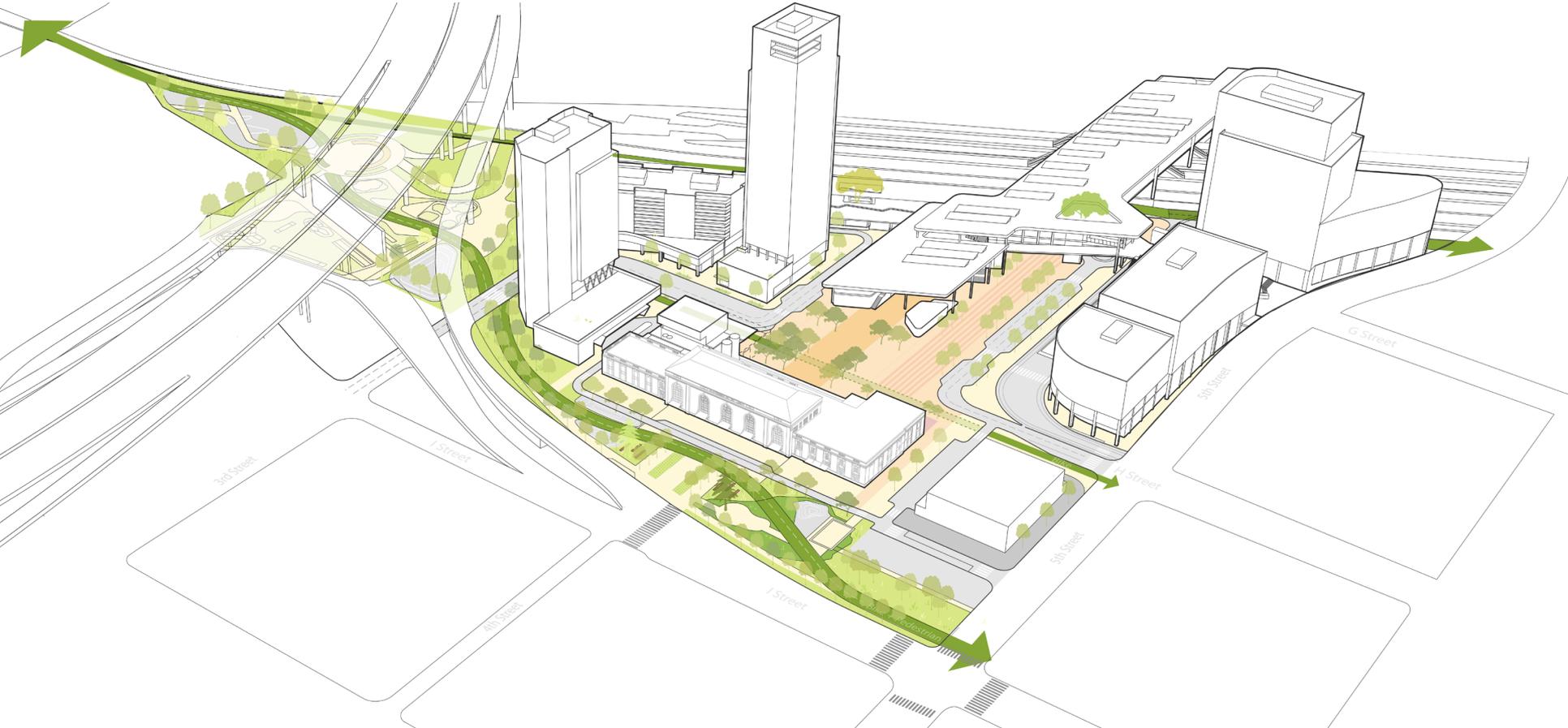
Light Rail Taxi Rideshare Air Trains Regional Buses

5TH STREET PLAZA



BIOPHILIC ENVIRONMENT

Living design to provide human comfort and an intentional connectedness to nature



VIADUCT PARK





VIADUCT PARK



HOTEL AND RESIDENTIAL BLOCKS

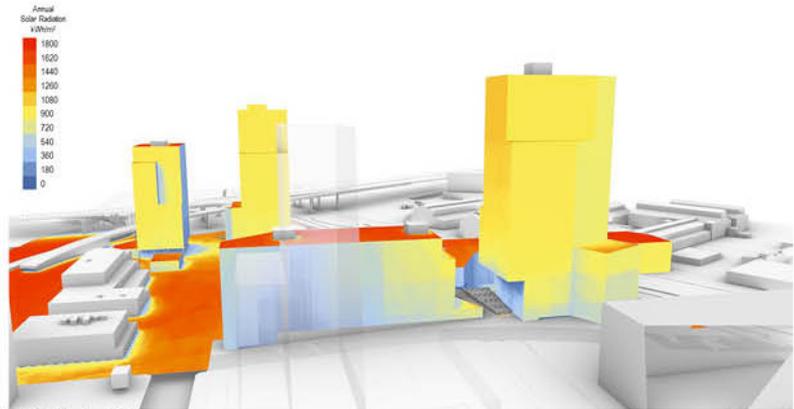
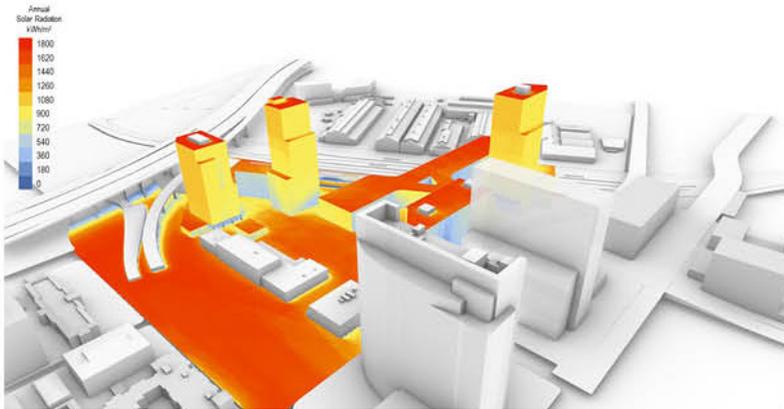
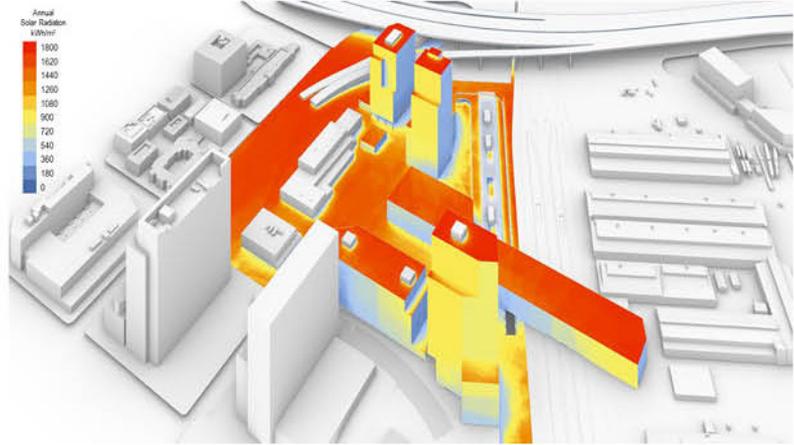
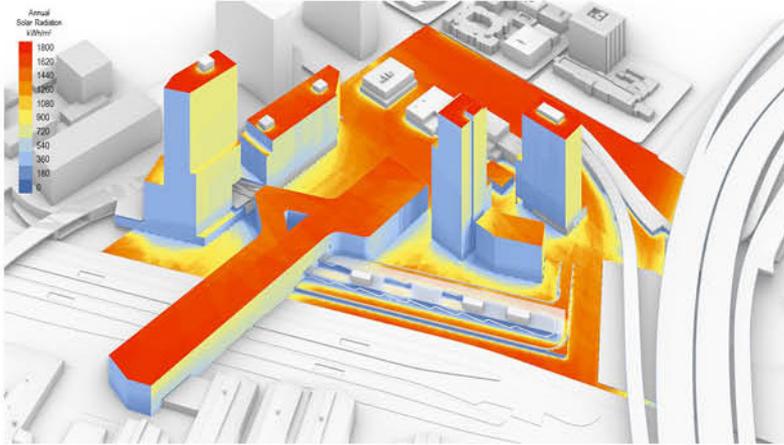
SUSTAINABLE STRATEGIES



Regenerative
Utility
Center

REGENERATIVE UTILITY CENTER

BUILDING ORIENTATION



BUILDING ORIENTATION

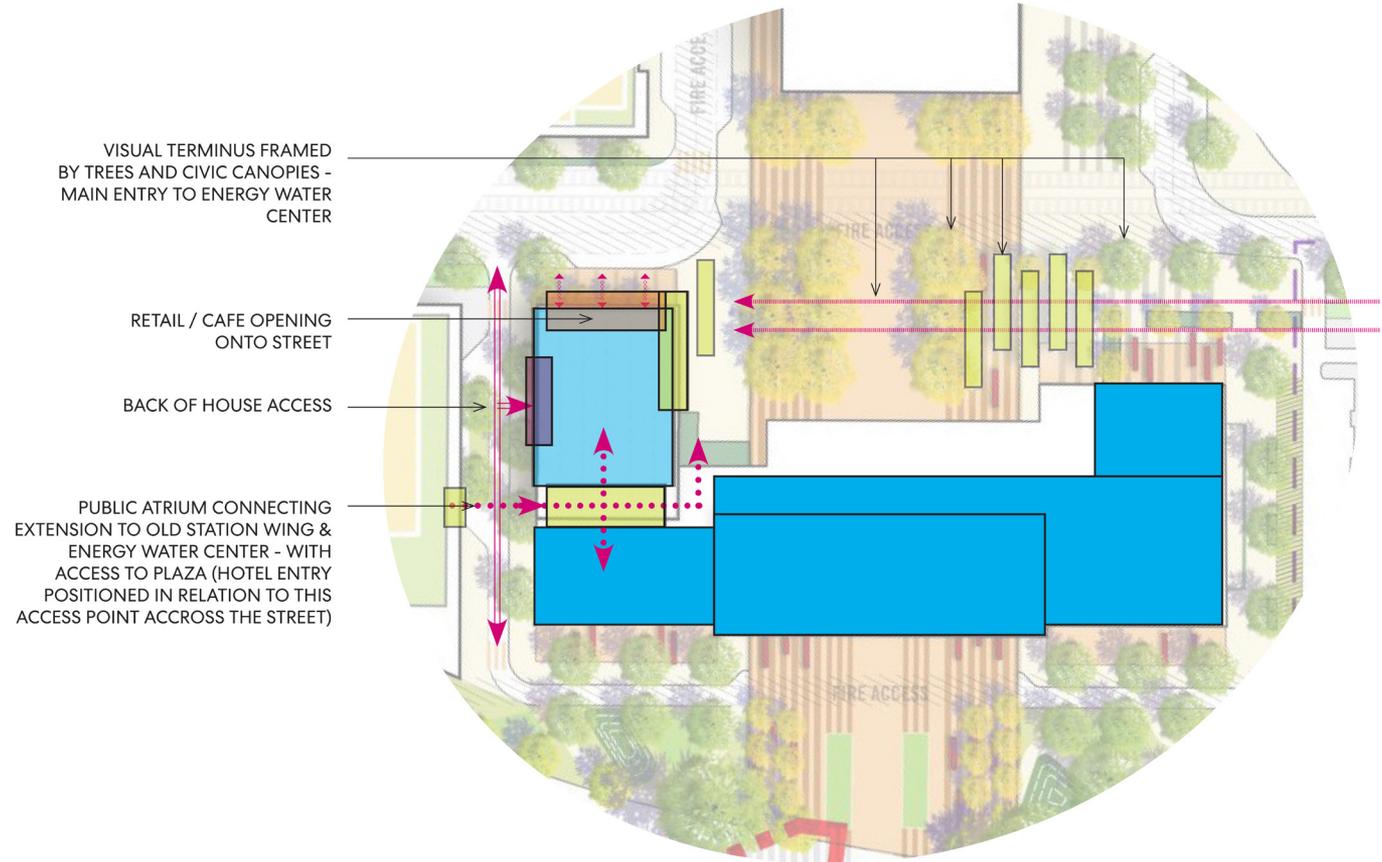
Hotel
Rectangular tower oriented
with long axis east-west
reduces predicted EUI by
approximately 1.5-2.5%

Office
Rotating south office building 90°
or with long axis east-west
reduces predicted energy use
intensity by approximately 3-4.5%

Total Energy, kWh/m²

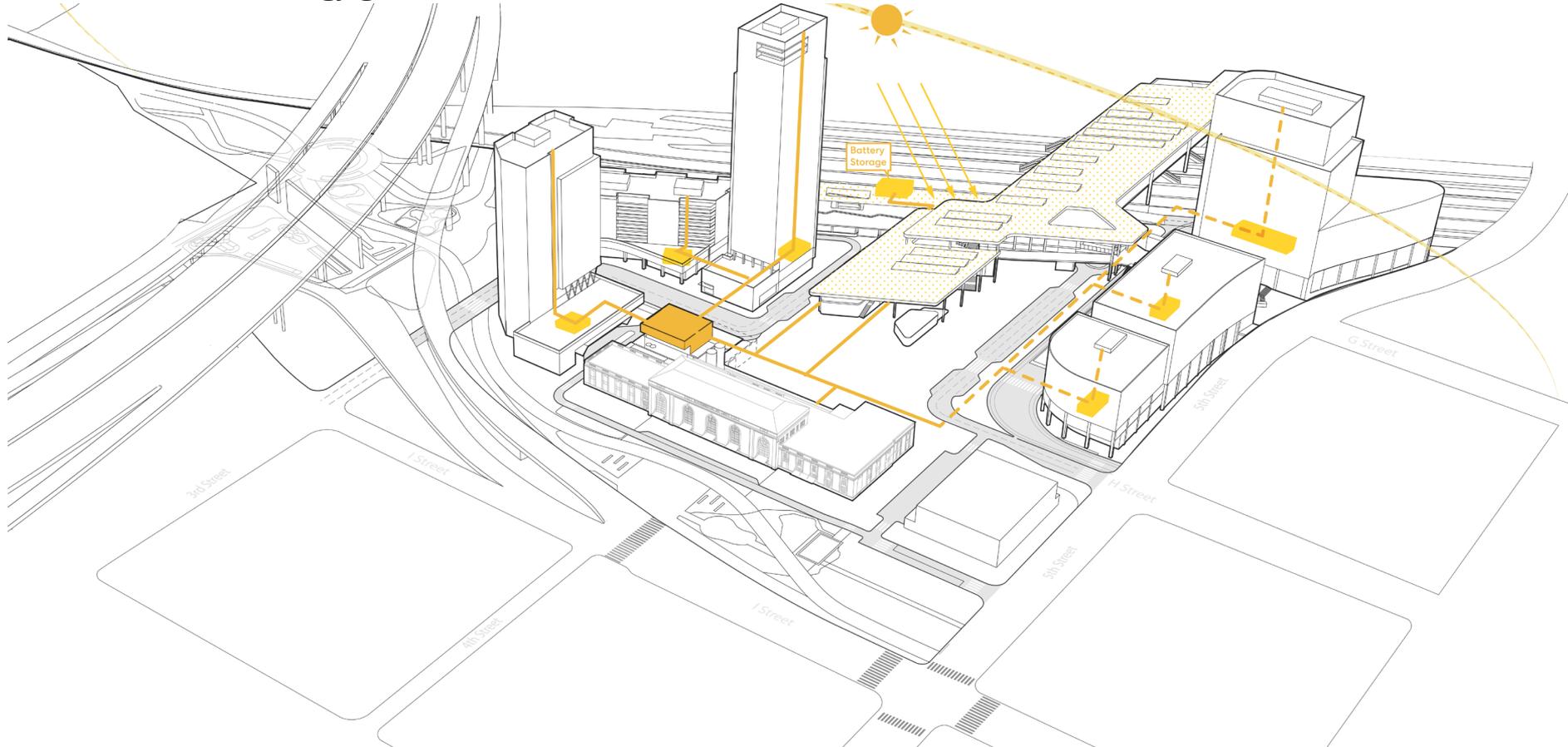


REGENERATIVE UTILITY CENTER DESIGN



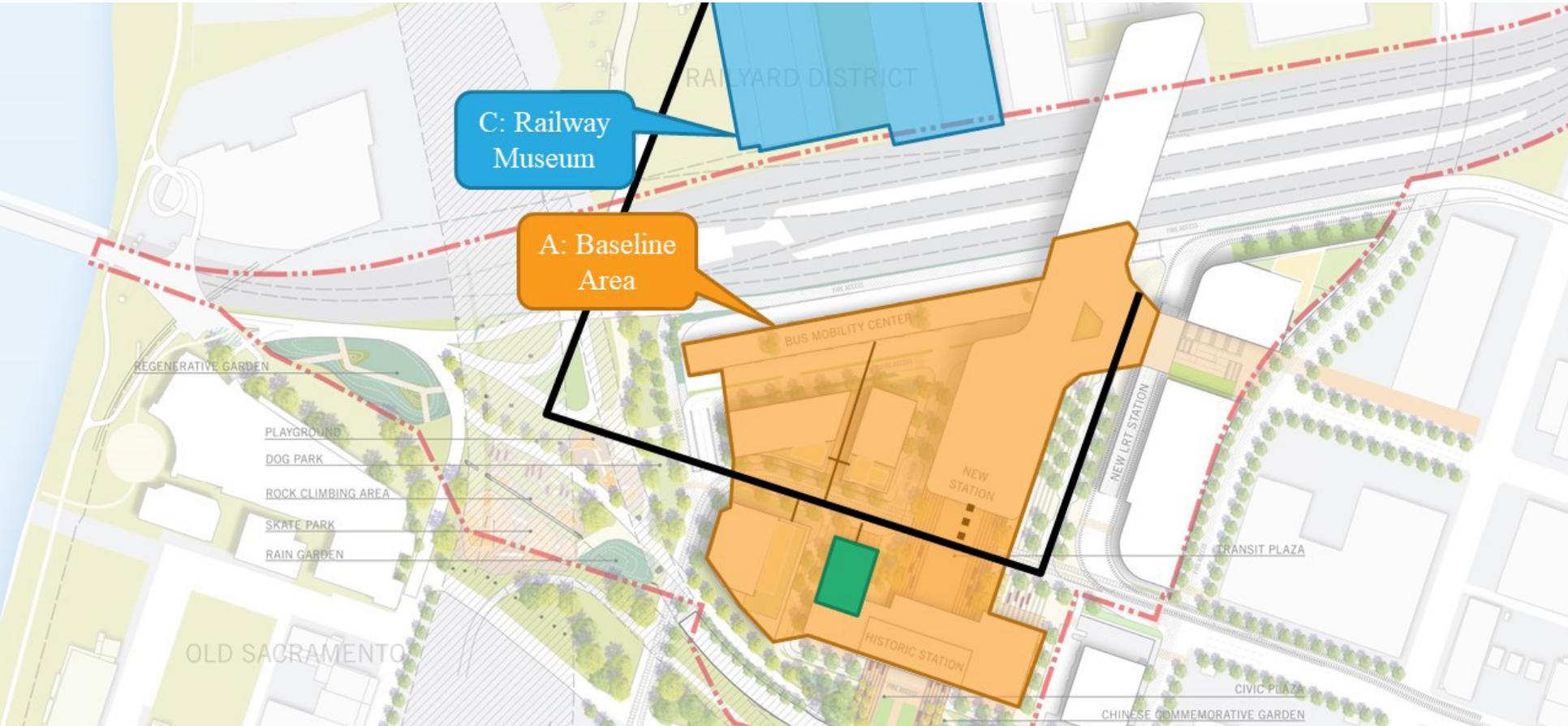
DISTRICT ENERGY SYSTEM

Centralized on-site energy generation and distribution



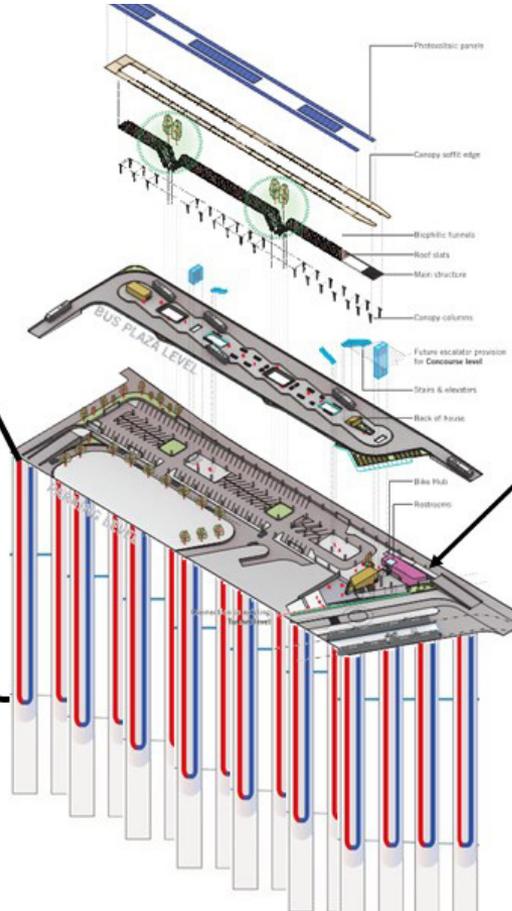
DISTRICT ENERGY SYSTEM

Central Utility Plant Connection



DISTRICT ENERGY SYSTEM

Bus Mobility Center Geothermal Energy Piles

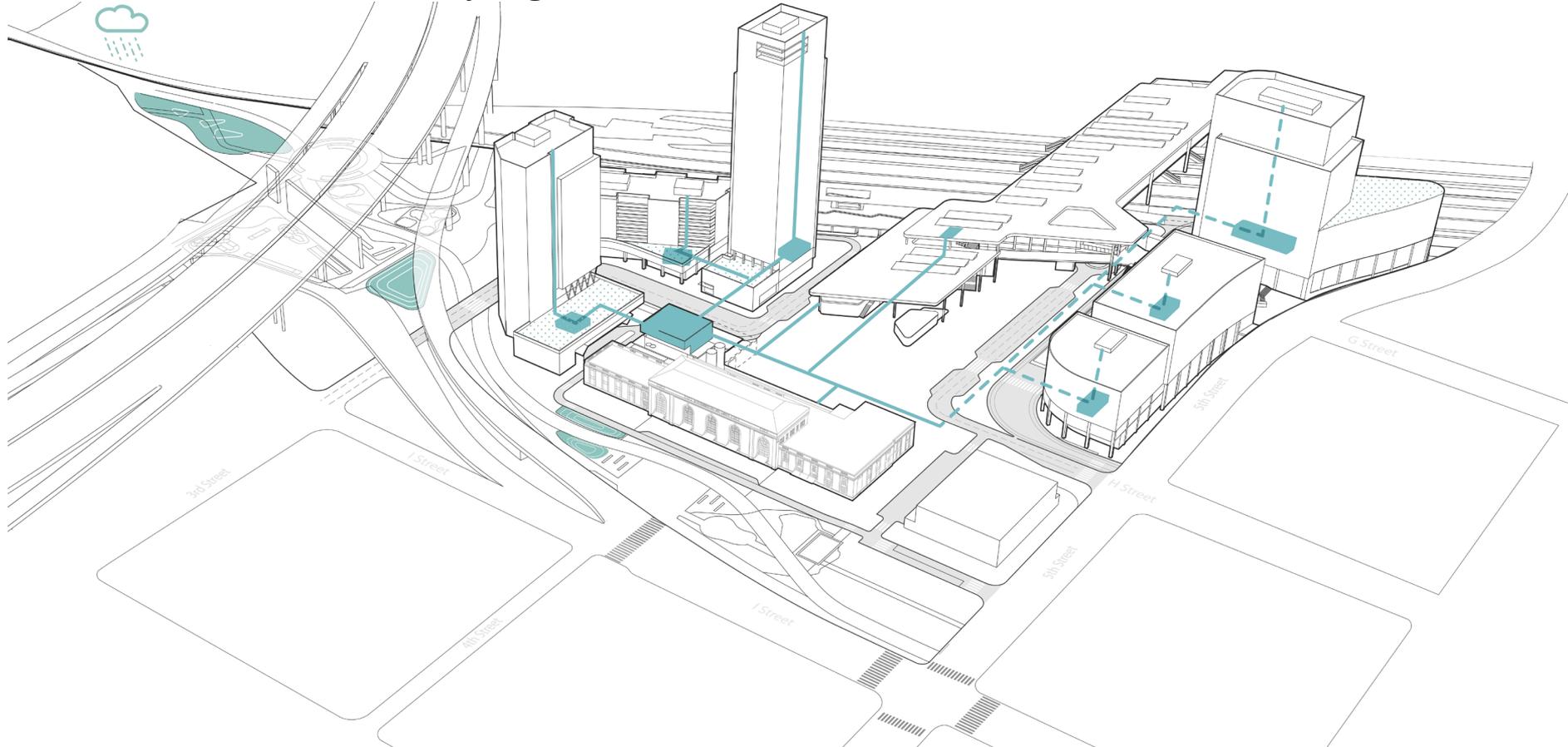


Similar manifold space required in station building (3' x 5' rack per zone, likely 2-4 zones)

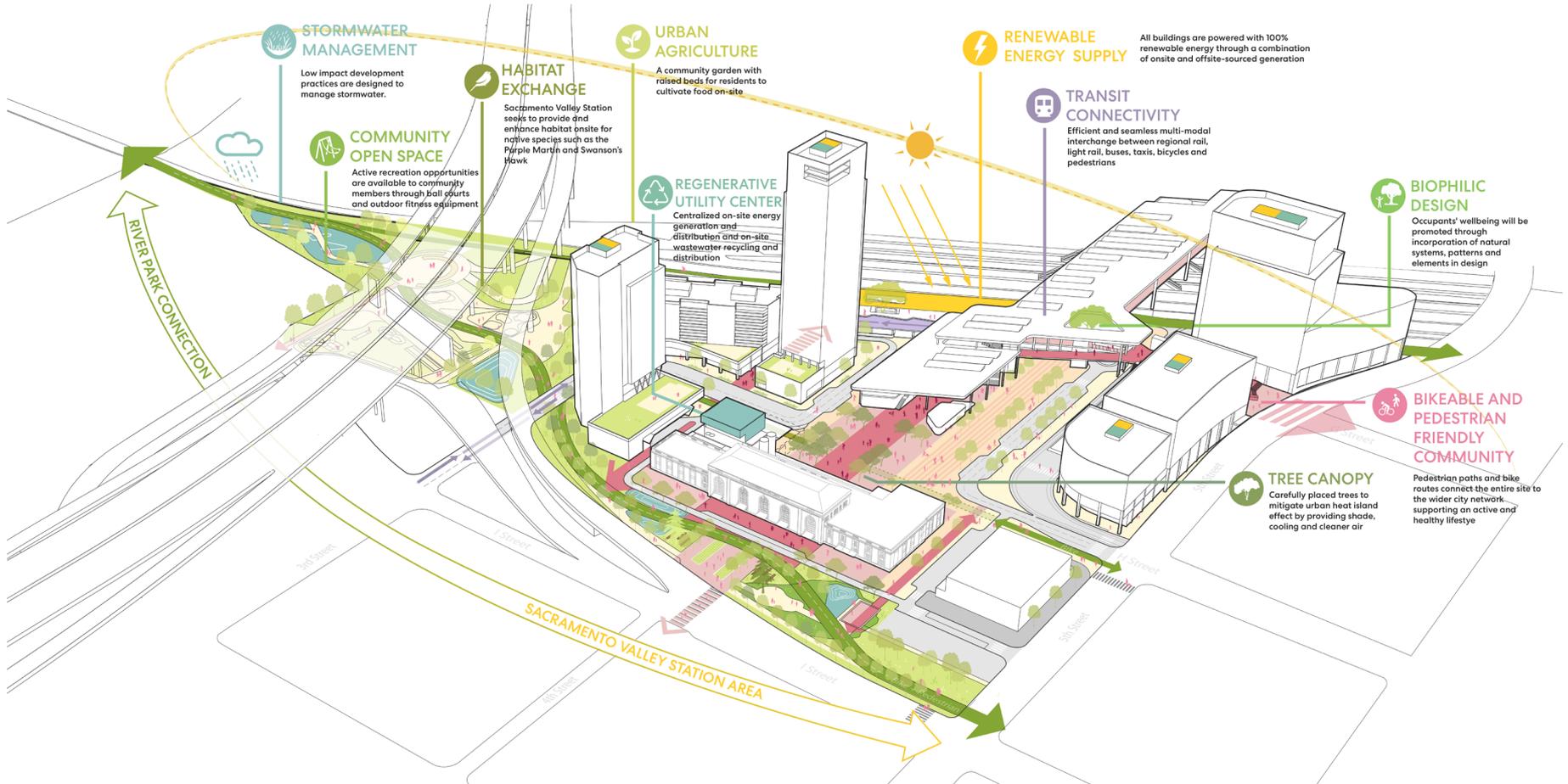
65' deep piles with 2-4 pipes per pile

DISTRICT WATER SYSTEM

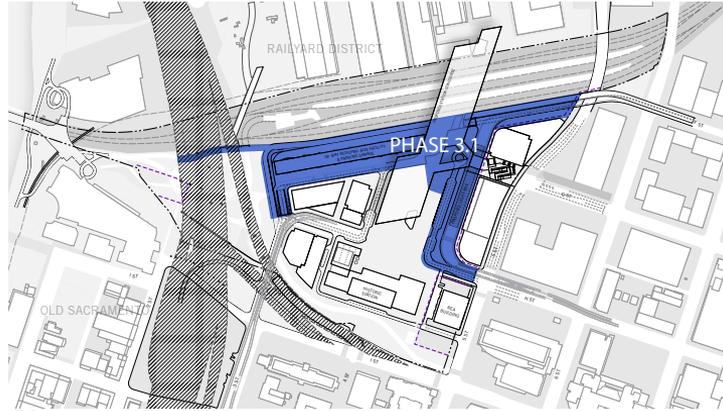
Centralized on-site waste water recycling and distribution



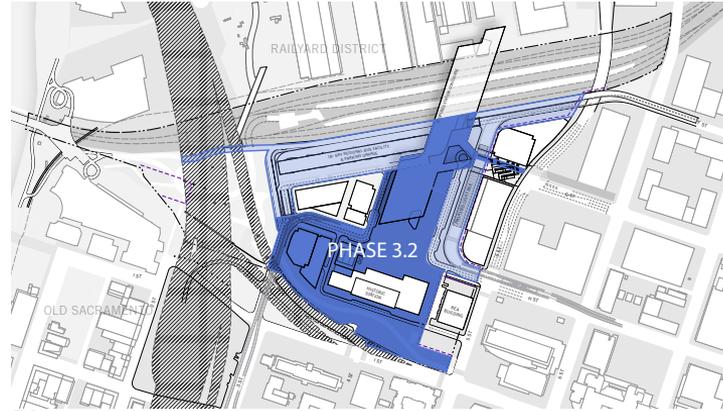
LIVING COMMUNITY CHALLENGE PLAN



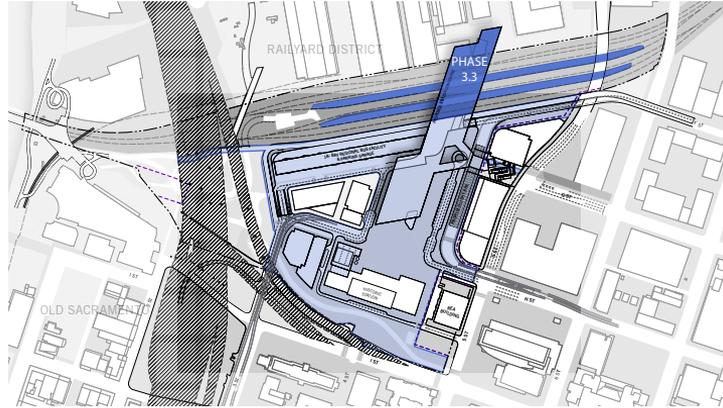
PROJECT PHASING



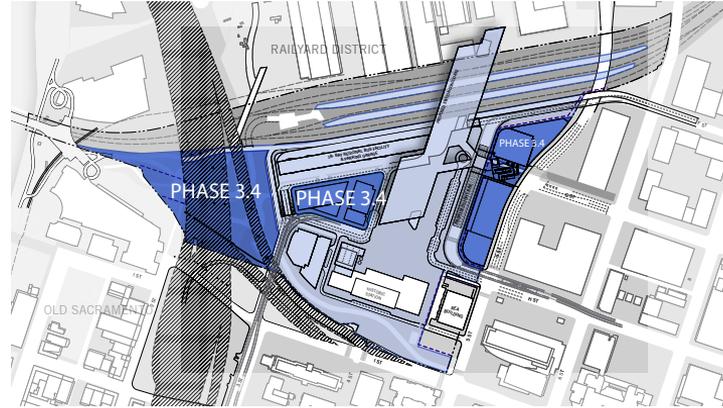
Phase 3.1



Phase 3.2



Phase 3.3



Phase 3.4

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