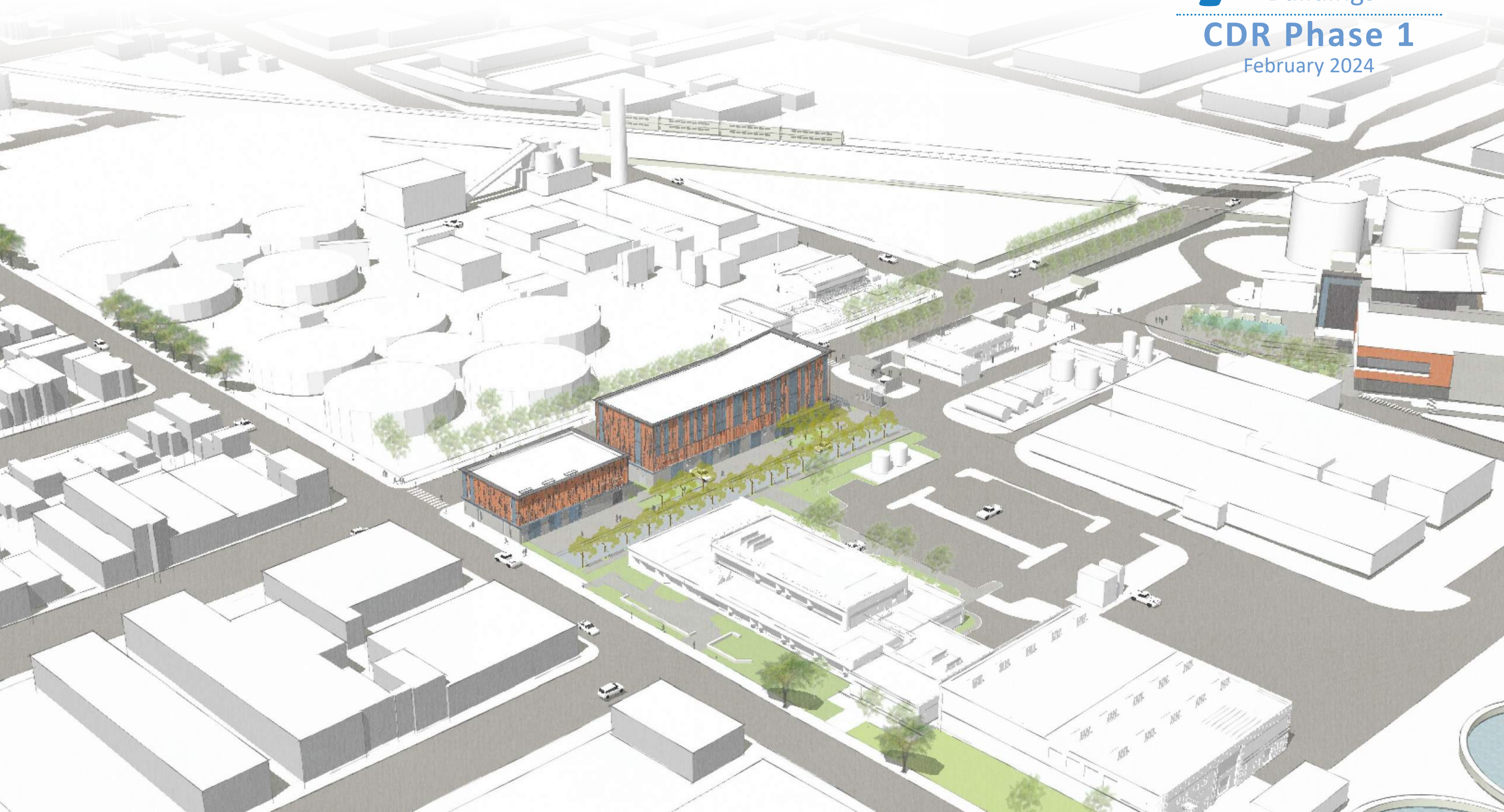


SEP Operation
7 Engineering
Maintenance
Buildings

CDR Phase 1

February 2024



Presentation Contents

1. Project Background

- *August 2023: CDR Concept*

2. Site Context

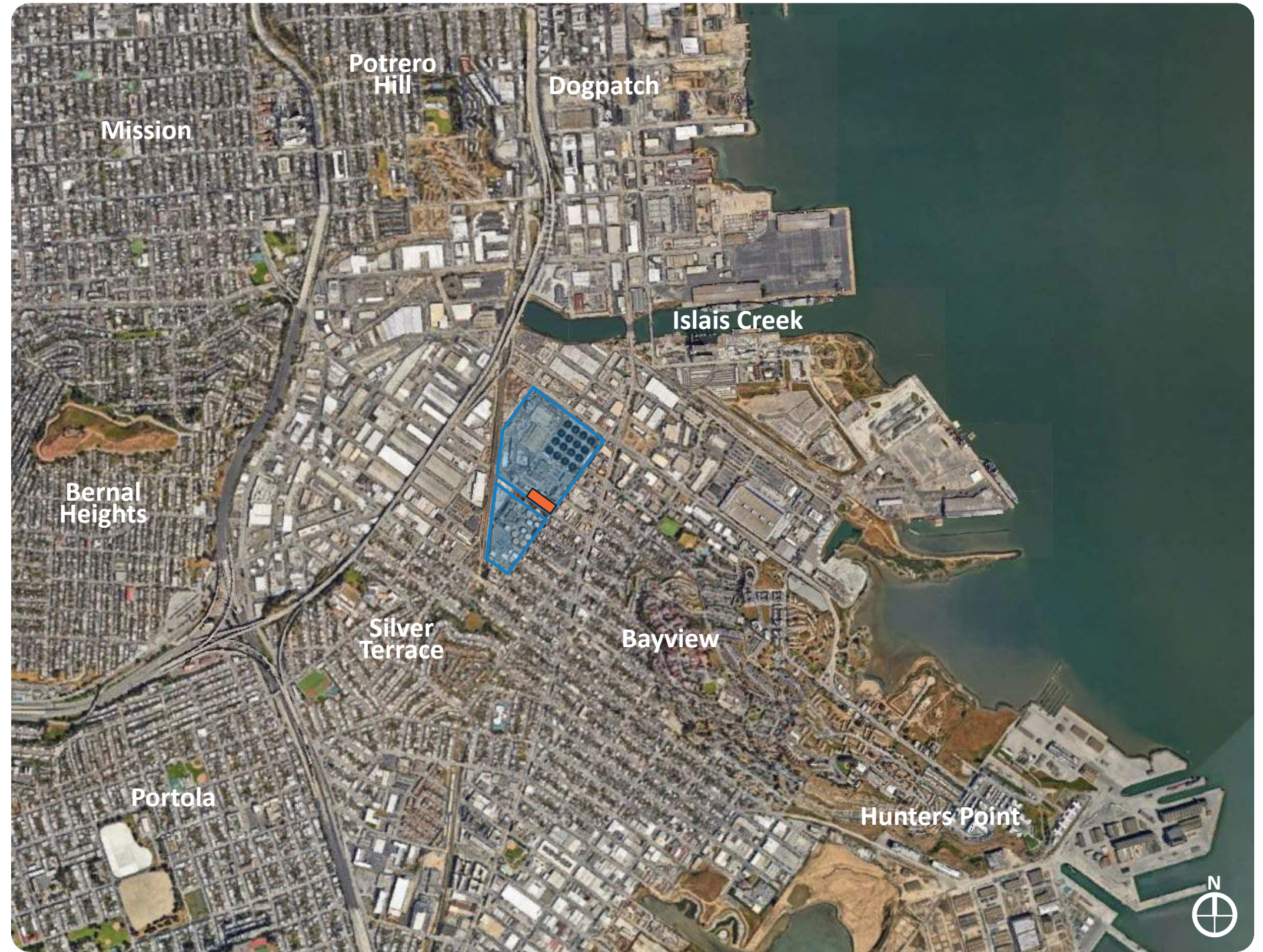
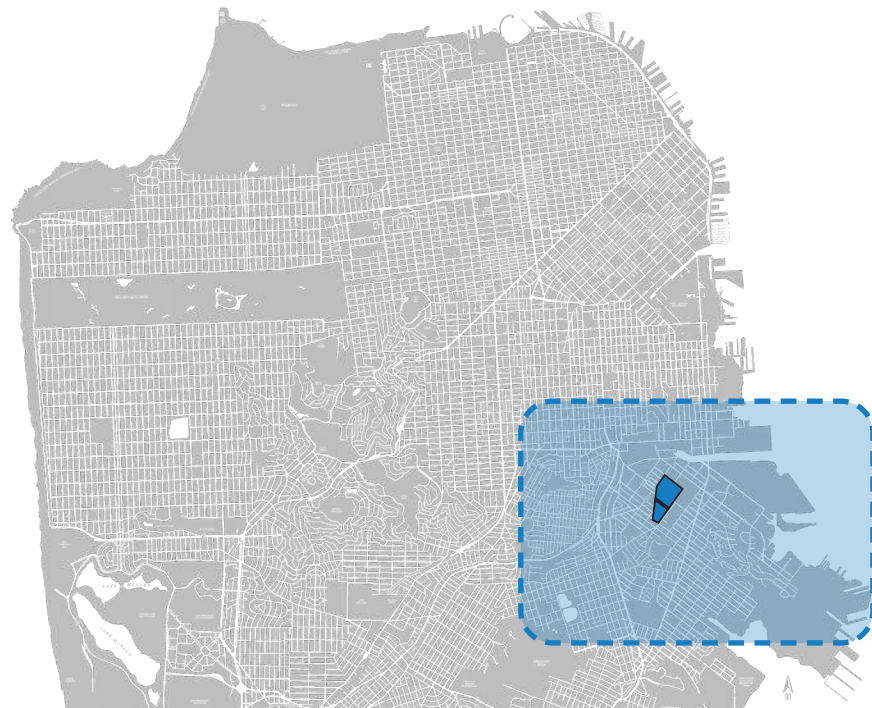
3. Program + Project Goals

4. Site Concepts

5. Architectural Concept

6. Landscape Concept

Context



Campus Aerial



Context Views



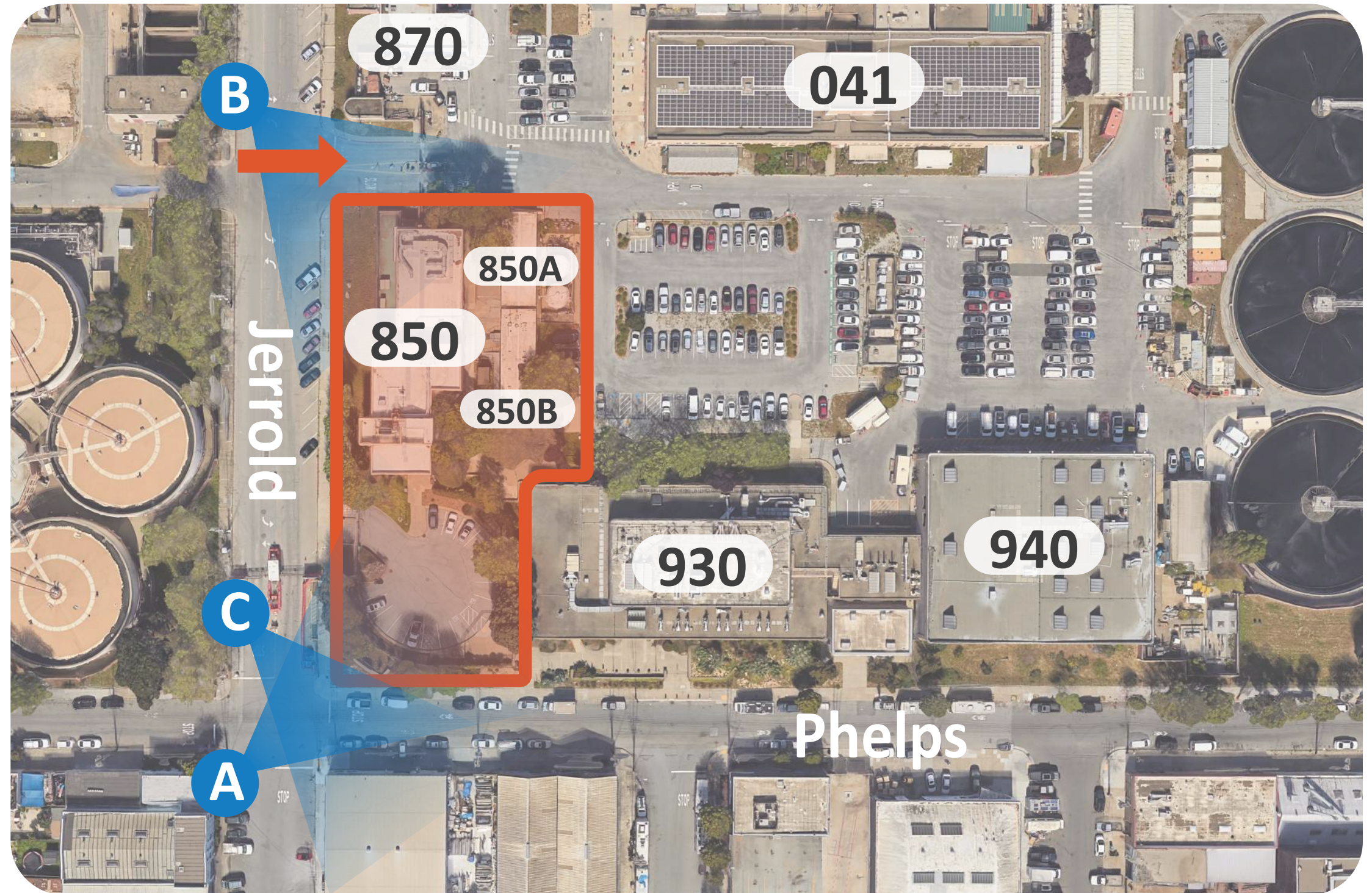
A Phelps-Jerrold Intersection



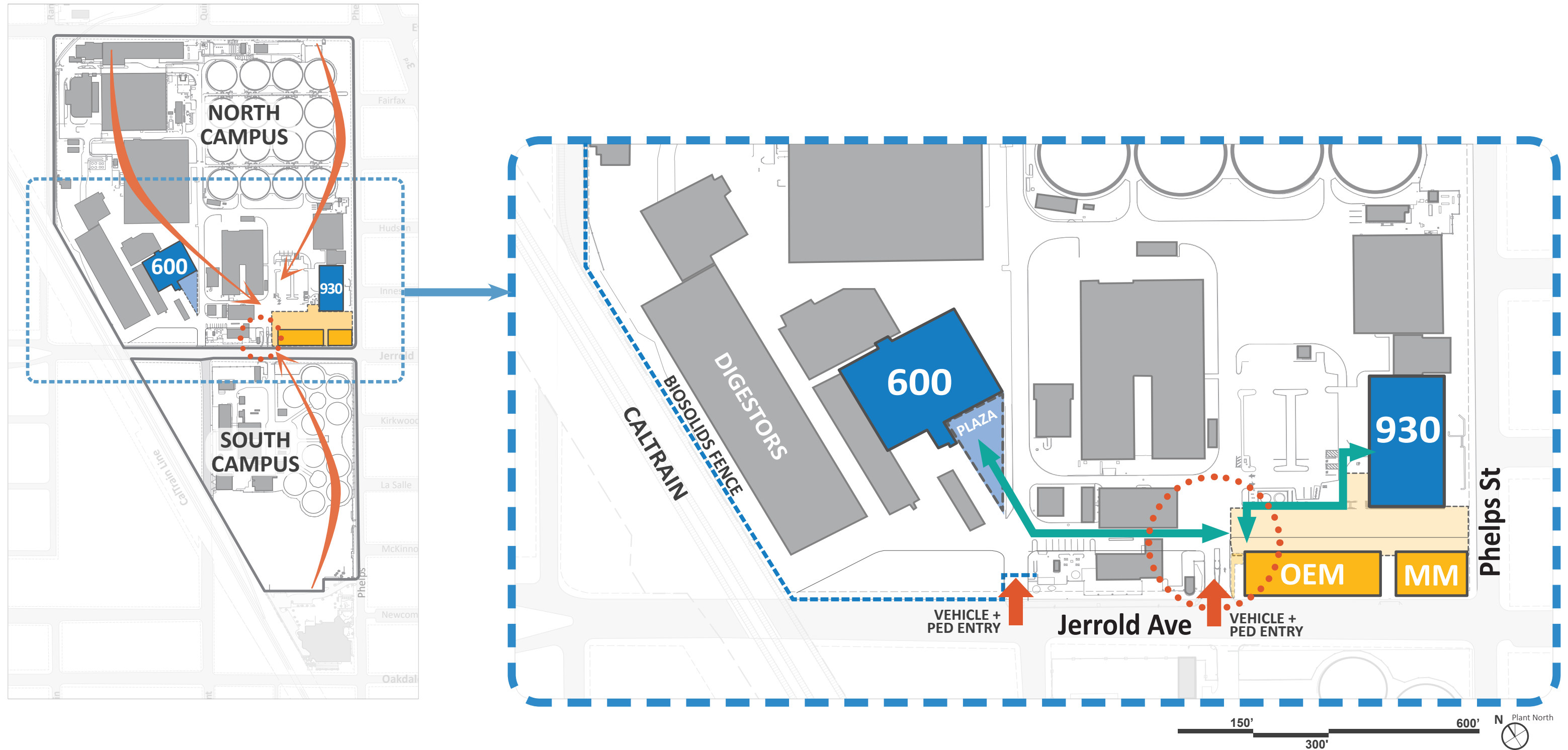
B Mid-Block Entry Gate at Jerrold



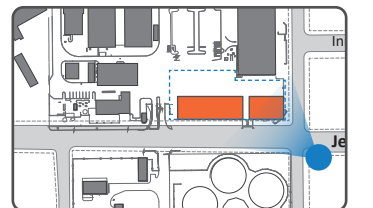
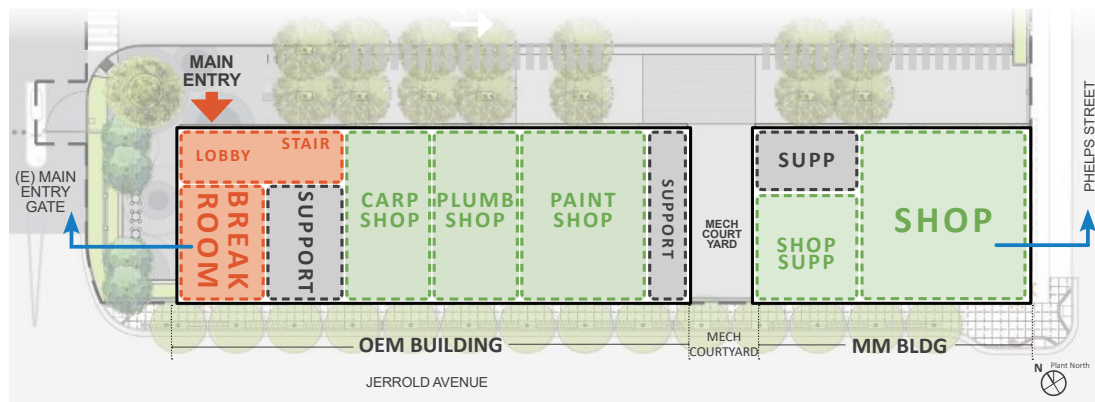
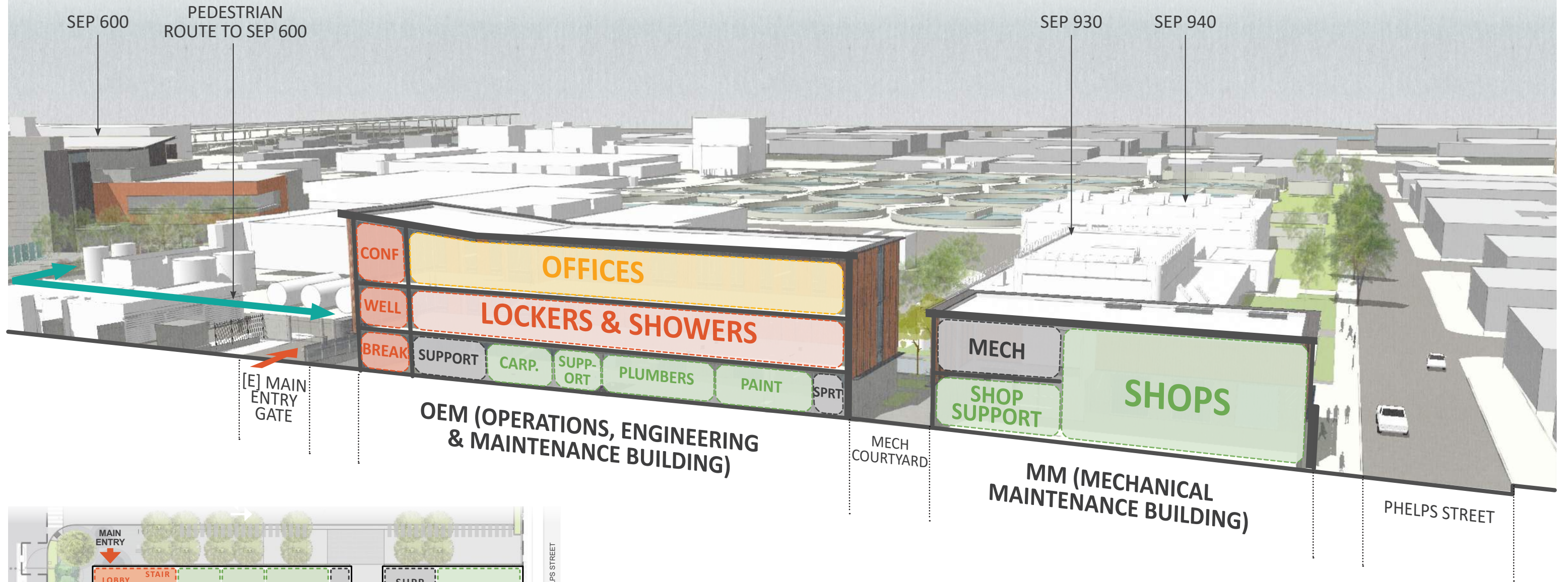
C East Corner of Phelps-Jerrold Intersection



Project Site - Creating a Central Hub



Program and Massing



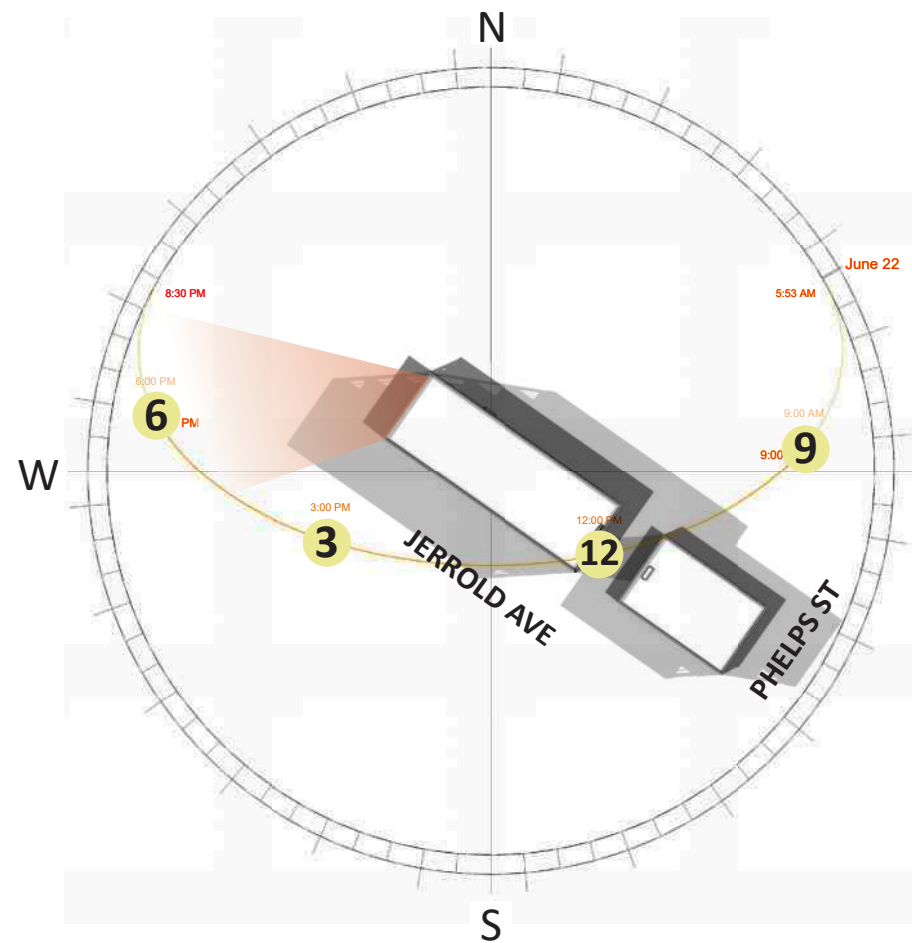
Architectural Site Plan



Floor Plans



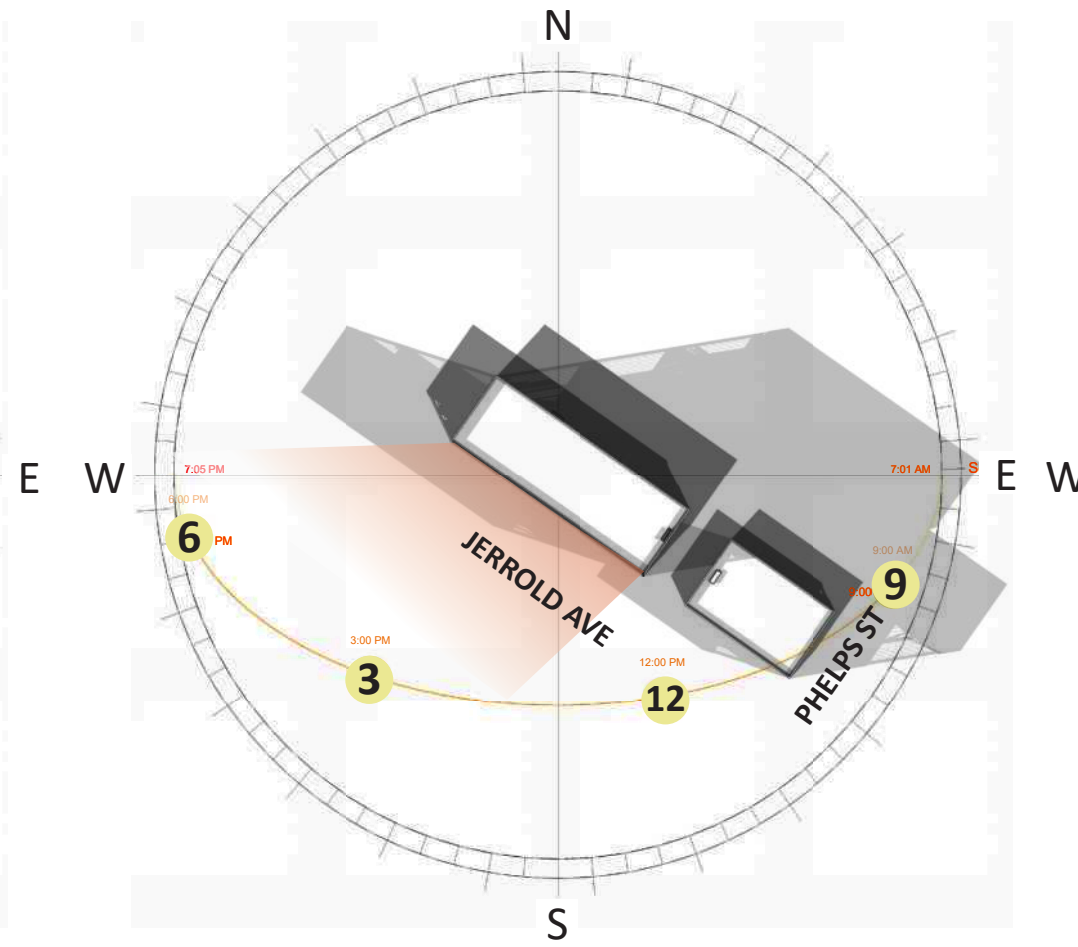
Site Solar Study



SUMMER SOLSTICE
(COMPOSITE SHADOWS)

LATE AFTERNOON TO SUNSET

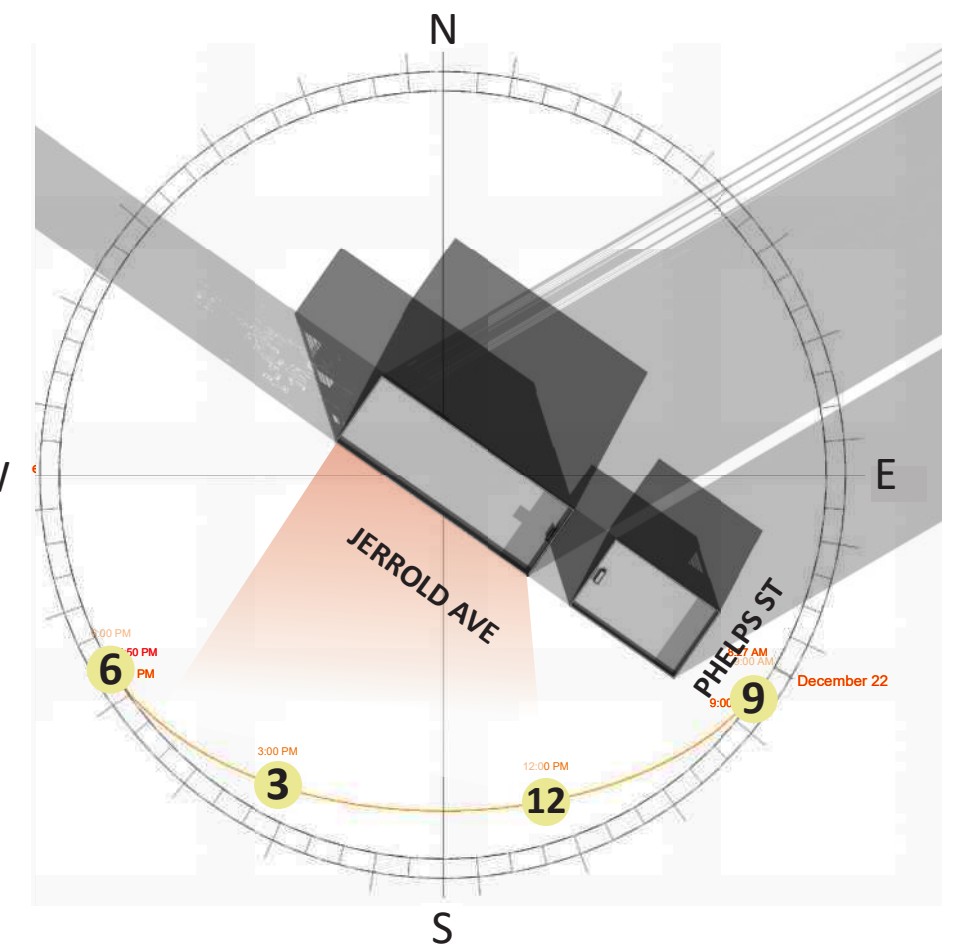
Glazing at Employee Commons requires solar heat gain & glare control.



SPRING/FALL EQUINOX
(COMPOSITE SHADOWS)

LATE AFTERNOON TO SUNSET

Glazing at Jerrold Ave Elevation requires solar heat gain & glare control.

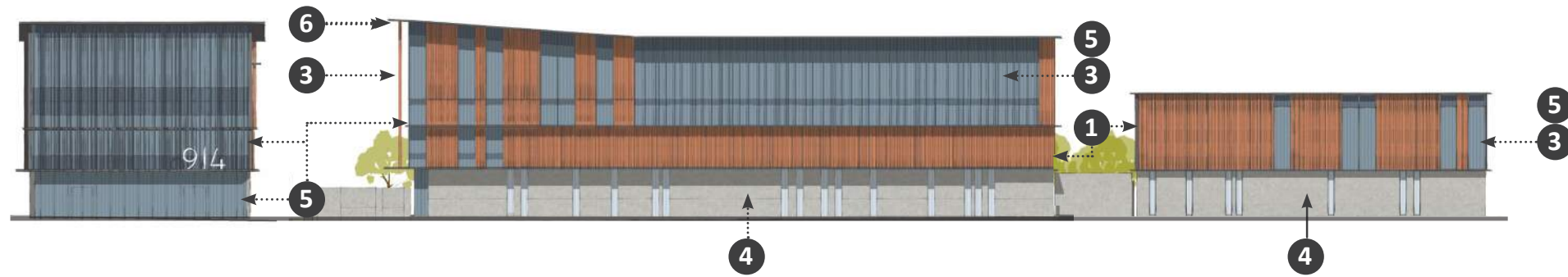


WINTER SOLSTICE
(COMPOSITE SHADOWS)

NOON TO SUNSET

Solar heat gain & glare control is difficult without use of interior shades.

Materials & Precedents



BIOSOLIDS PROJECT, IN CONSTRUCTION



NOVOTEL, CHRISTCHURCH, NZ



HARVEY MUDD CAMPUS, POMONA, CA



HIDDEN CREEK CENTER, HILLSBORO, OR



1 FOLDED METAL PANEL



2 FIBER CEMENT (CAMPUS SIDE)



3 SOLAR CONTROL FINS



4 ARCHITECTURAL PRECAST



5 CURTAIN WALL

Initial Schemes

SCHEME A

- Simple volumetric expression
- Fender walls
- Vertical fins at Jerrold elevation



SCHEME B

- Unitized wall system
- No exterior solar control



SCHEME C

- Roof expression at entry
- Vertical metal wall panels + vertical fins



Preferred Scheme

SCHEME A

- Simple volumetric expression
- Fender walls
- Vertical fins at Jerrold elevation



SCHEME B

- Unitized wall system
- No exterior solar control



SCHEME C

- Roof expression at entry
- Vertical metal wall panels + vertical fins



Jerrold Avenue Variations



VARIATION 1



VARIATION 2



Preferred Jerrold Avenue Variation



VARIATION 1



VARIATION 2



Perspective Views



STREET VIEW AT JERROLD AVE



INTERSECTION OF JERROLD + PHELPS



CAMPUS SIDE LOOKING NORTH

1 Express Building Entry + Employee Commons

2 Locate Building Operations and Shops Internal to Campus

3 Provide Privacy + Daylighting at Shops and Lockers & Showers

4 Provide Street Level Security

5 Provide Views + Daylighting at Offices

6 Provide Sun Control on South-West Facade at Offices, and West Facade at Wellness and Conference rooms

Elevations



LANDSCAPE CONCEPT

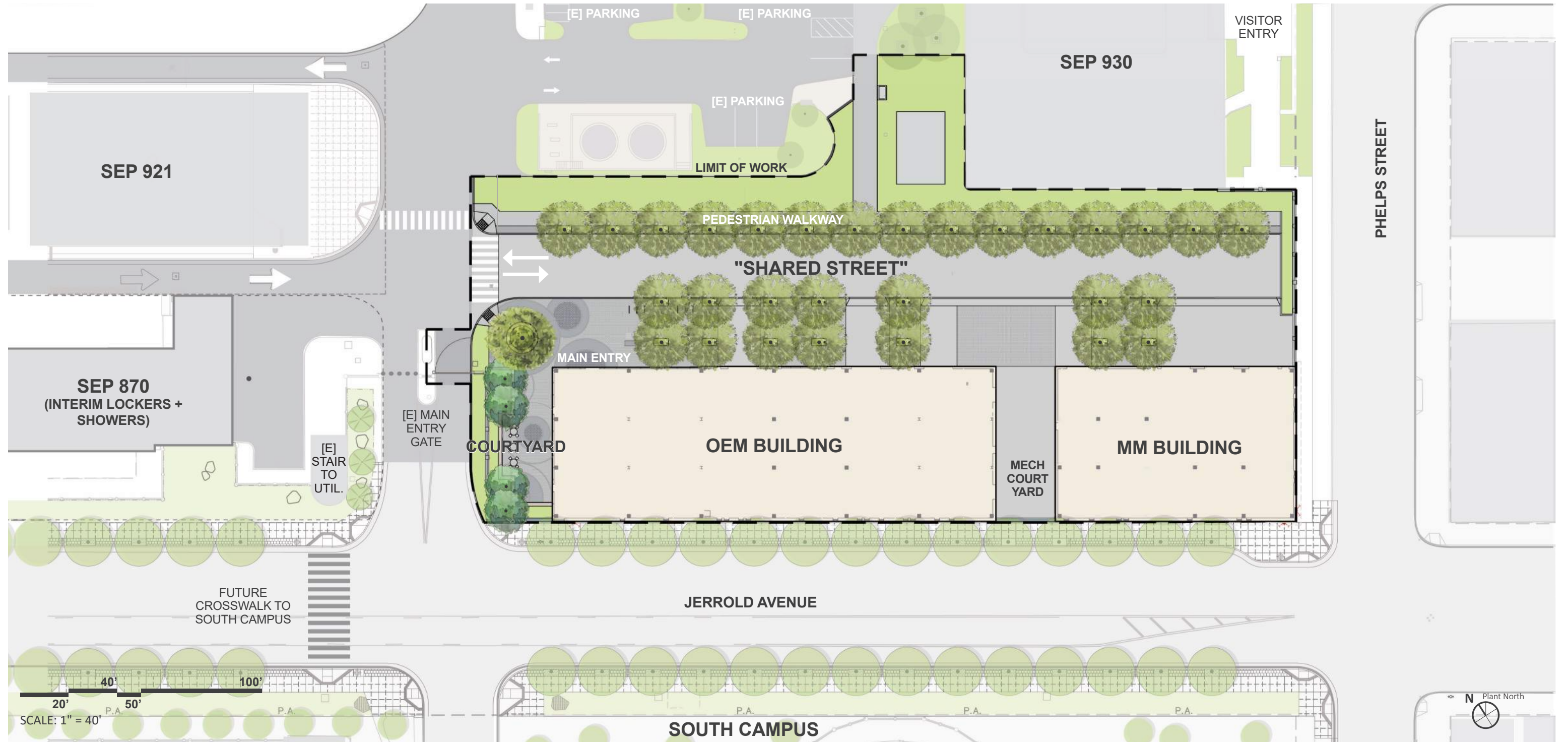
Biosolids Reference Plan - SEP 600 Plaza Design



Landscape Site Plan - Planting

Design Principles

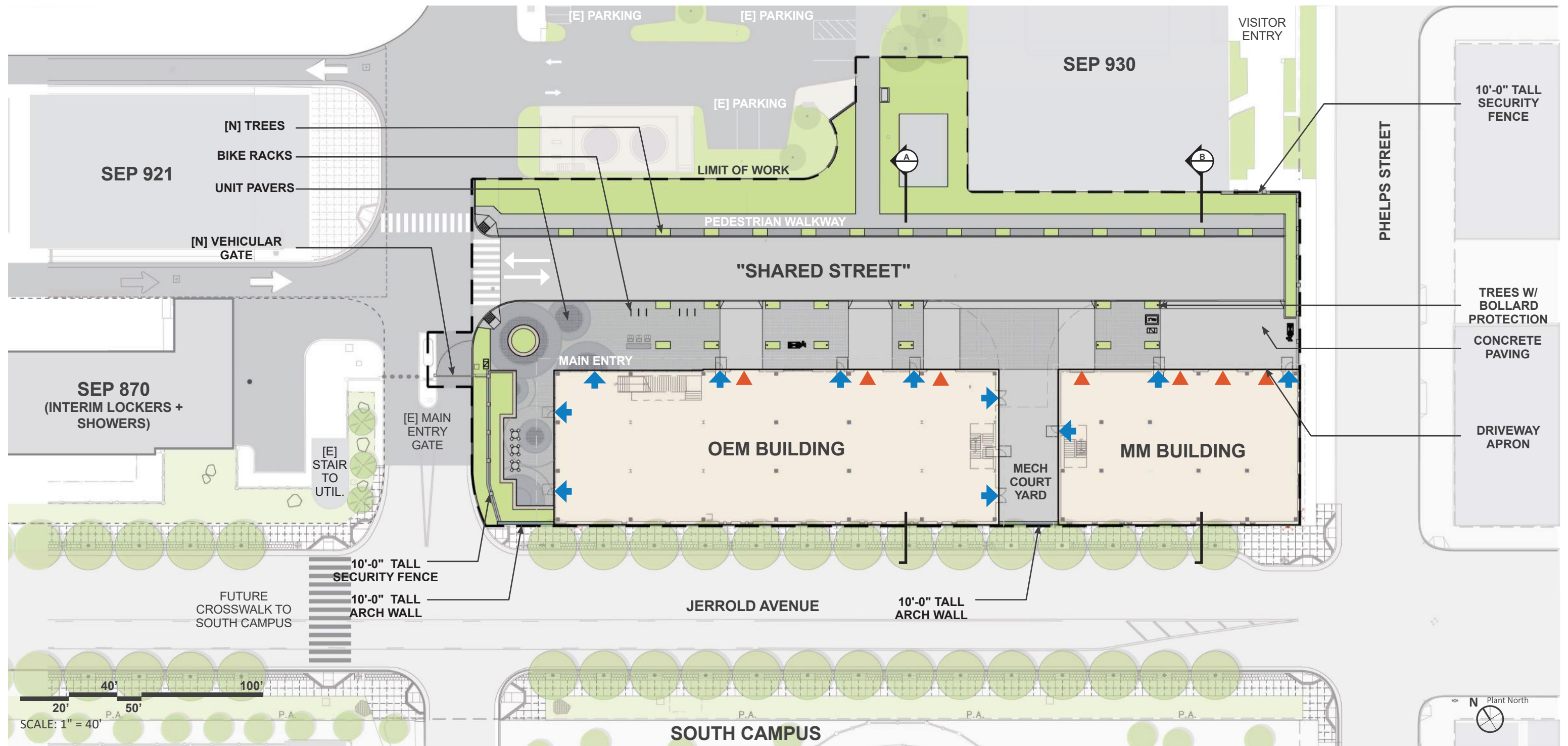
- 'Shared Street,' Fully functional for operations, equipment and lay-down area
- Provide safe pedestrian pathways by separating vehicular with planting areas



Landscape Site Plan - Layout Plan

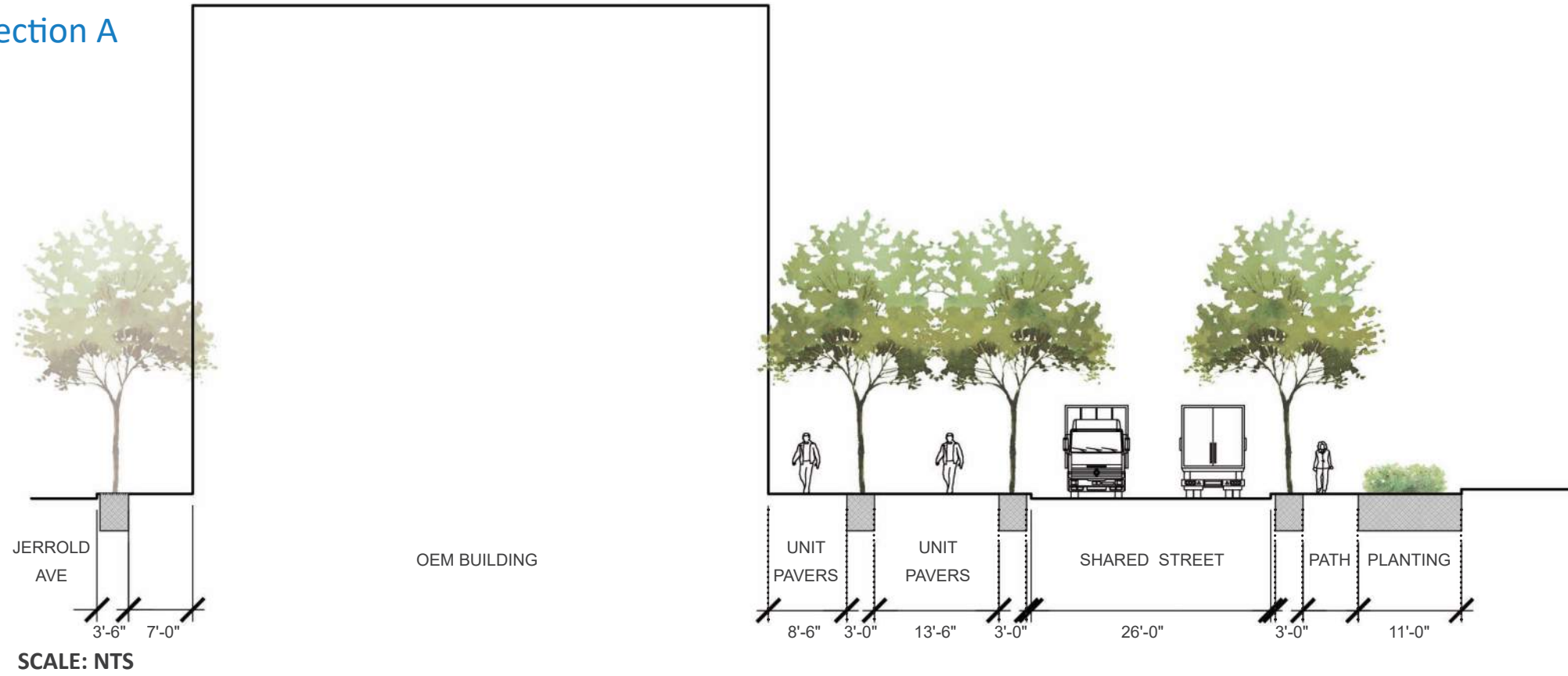
Design Principles

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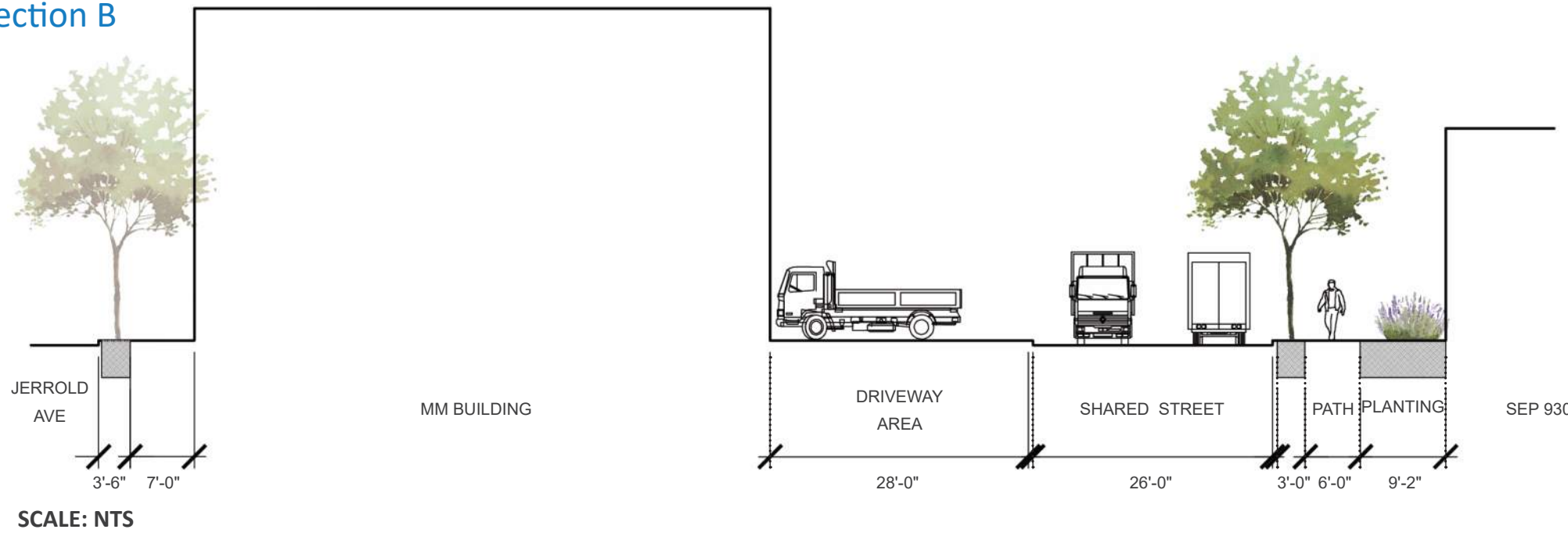


Landscape Site Sections

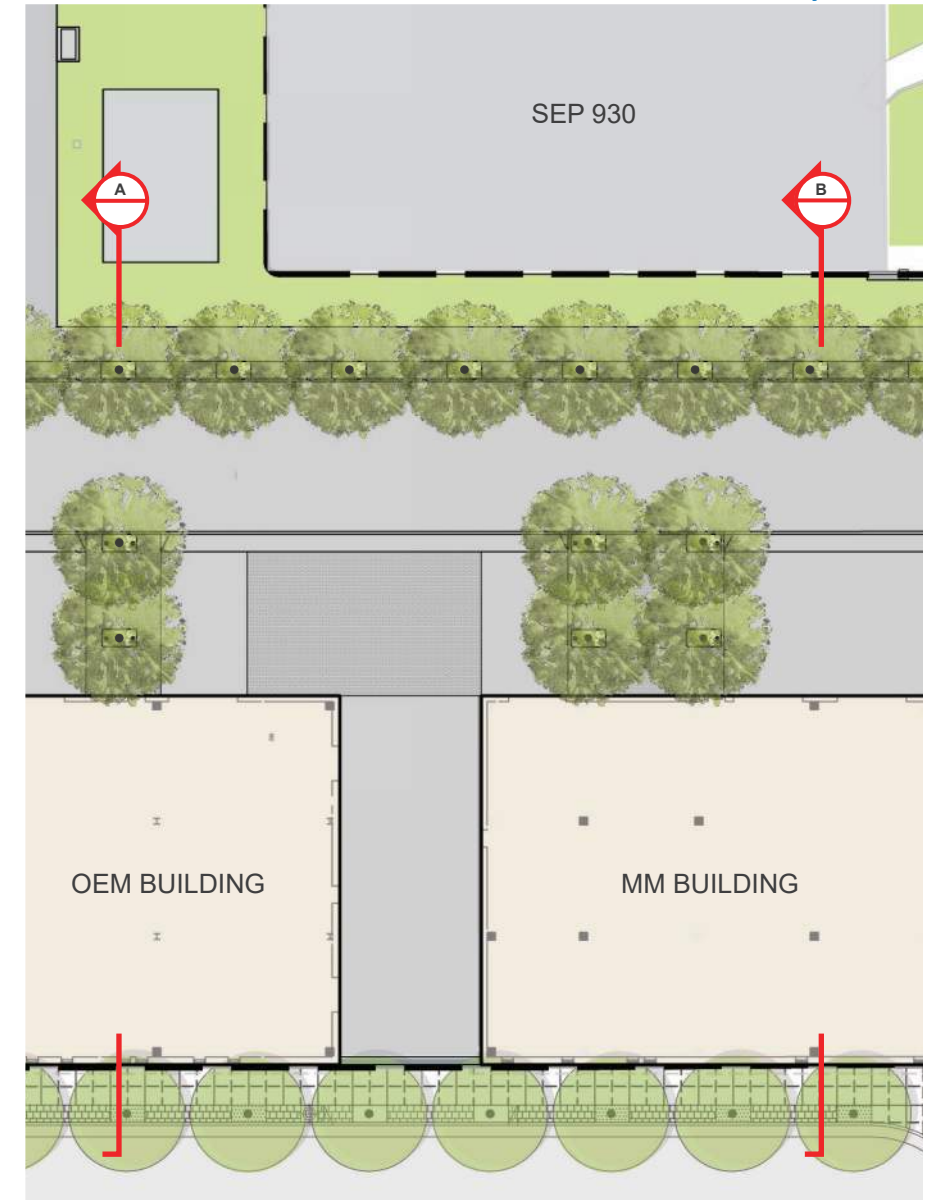
Section A



Section B

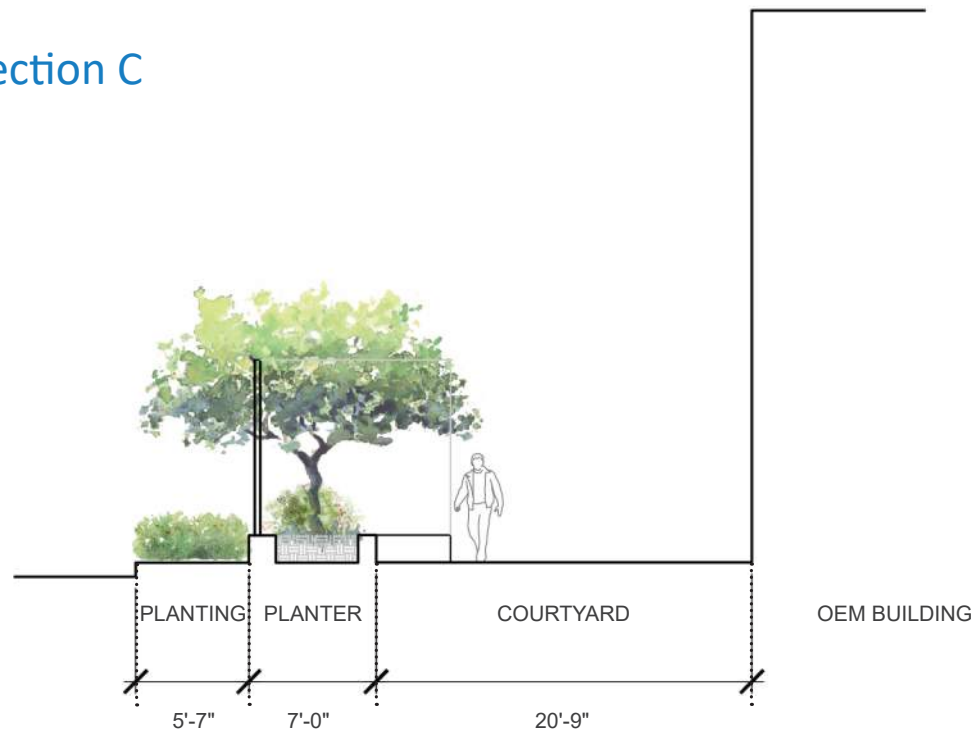


Site Key Plan



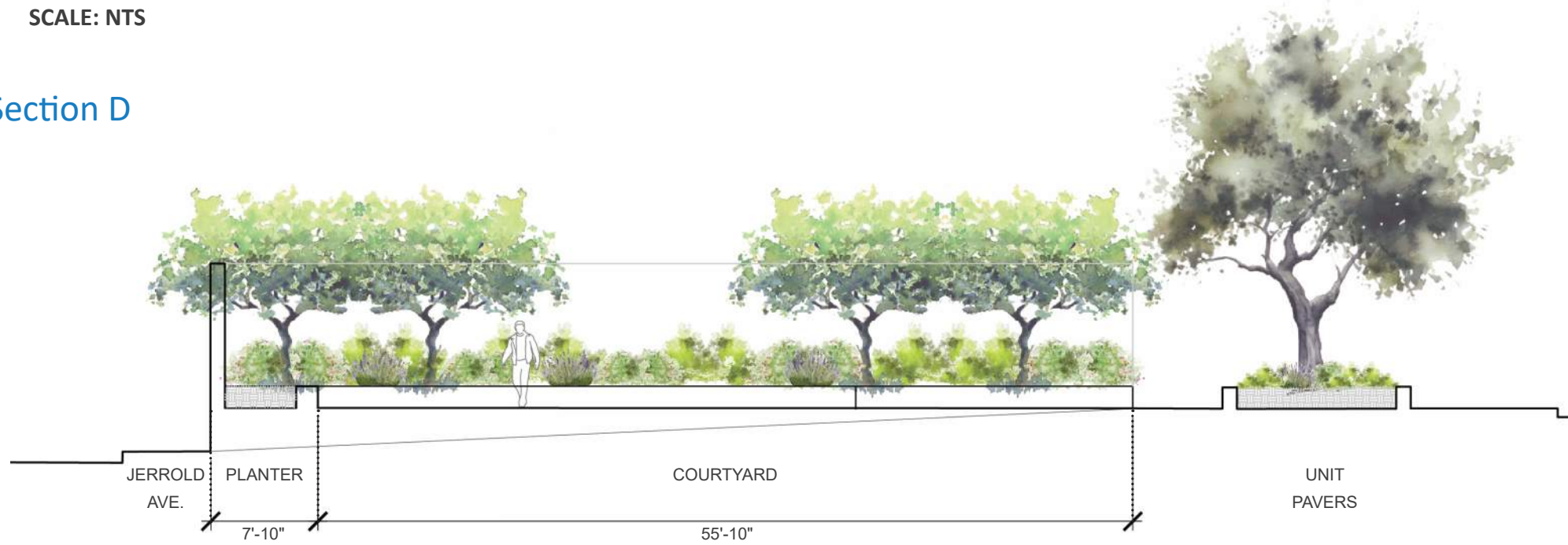
Landscape Courtyard Sections

Section C



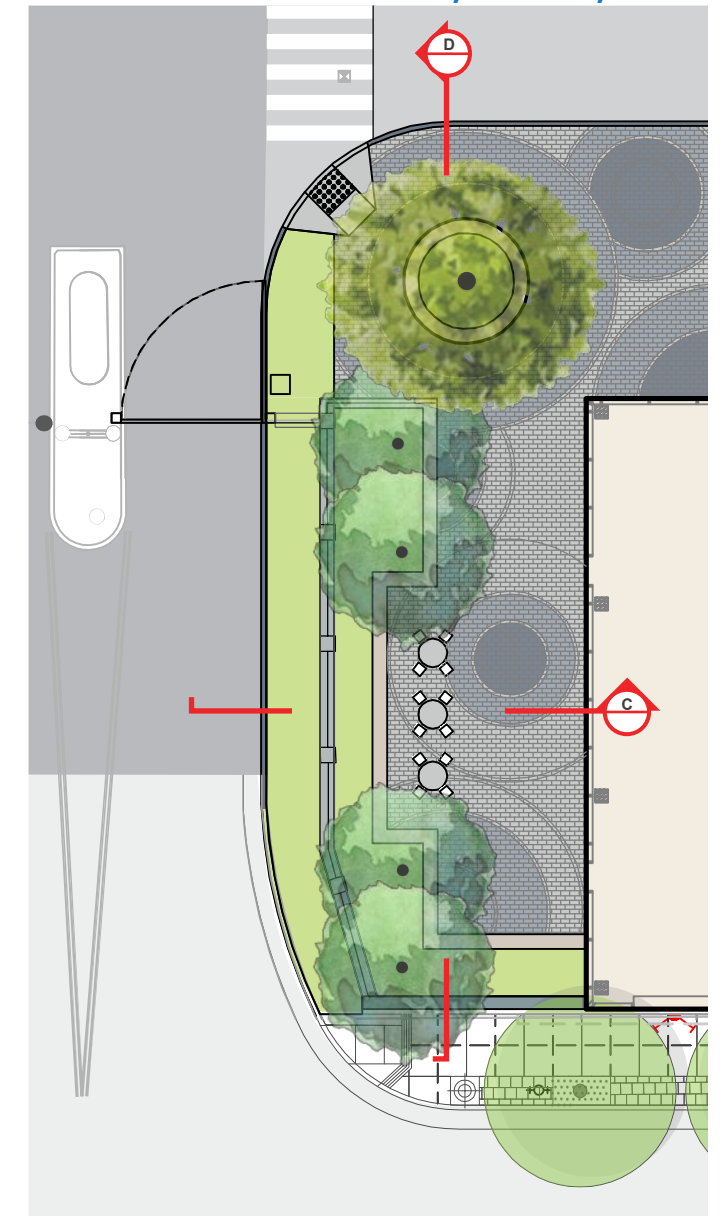
SCALE: NTS

Section D

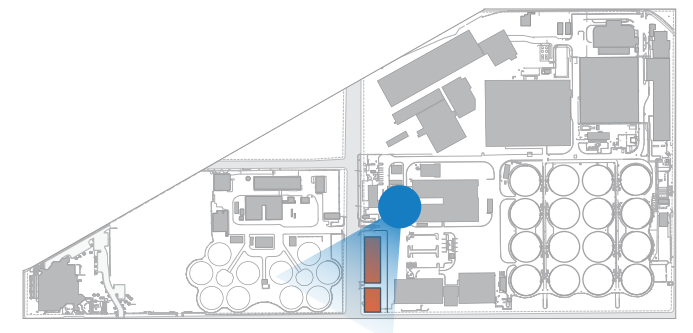


SCALE: NTS

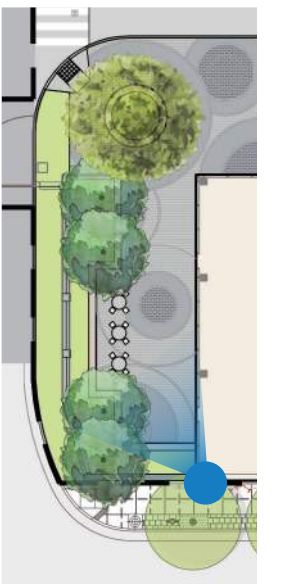
Courtyard Key Plan



Landscape "Shared Street" Perspective



Landscape Courtyard Perspective



Landscape Precedents & Materials



Unit pavers



Security Campus Fence



Seating/Raised Planter



Courtyard Planter



Movable Tables and Chairs



Bike Racks



Bollard Protection at Trees

Planting Palette

Trees



Shrubs & Ground Cover



Thank You!

