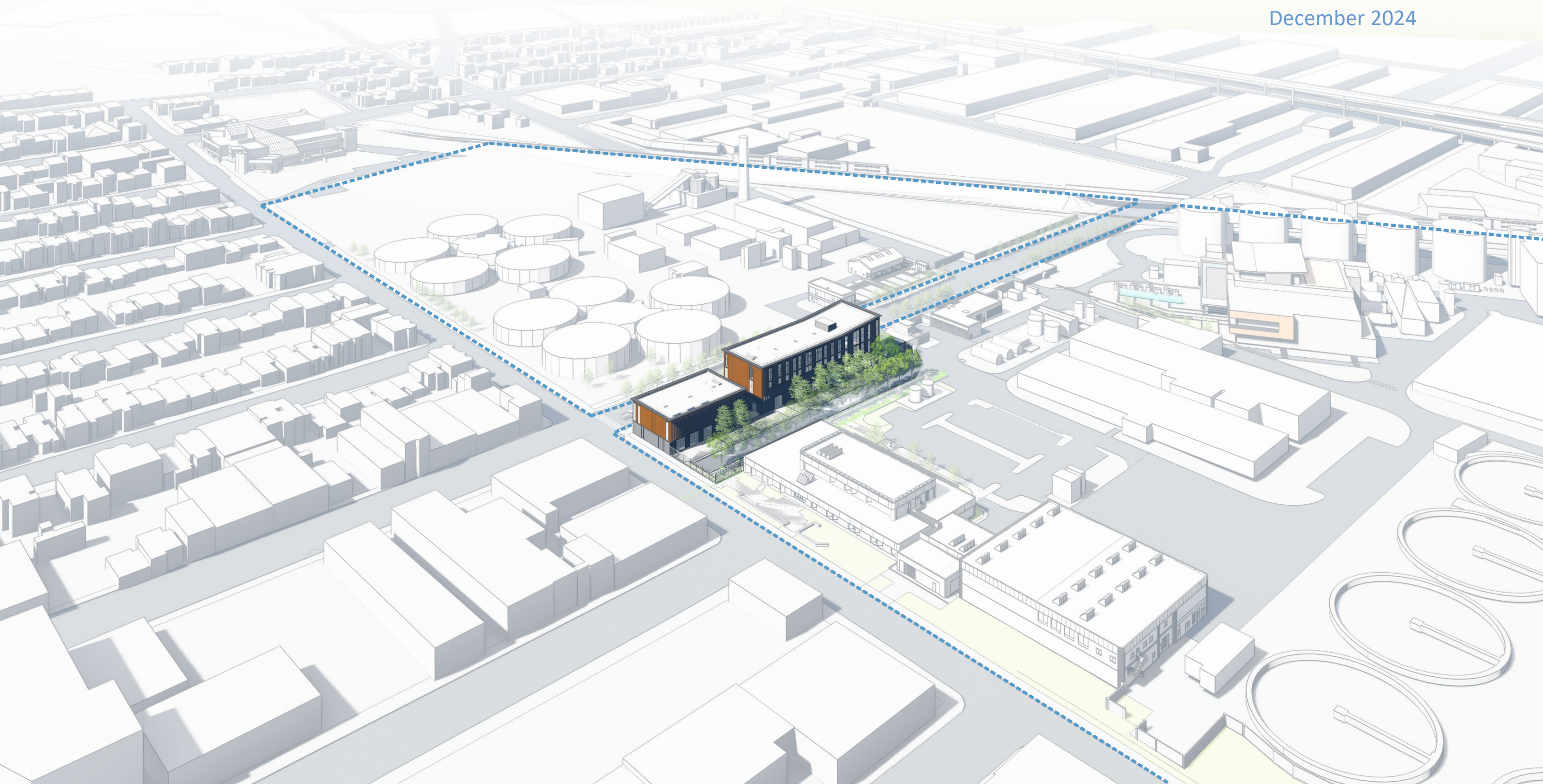


SEP Operation
7 Engineering
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CDR Phase 2

December 2024



Contents

1. Civic Design Reviews

- *August 2023: CDR Concept*
- *February 2024: CDR Phase 1*

2. Architecture

3. Landscape

CDR Phase 1 Comments

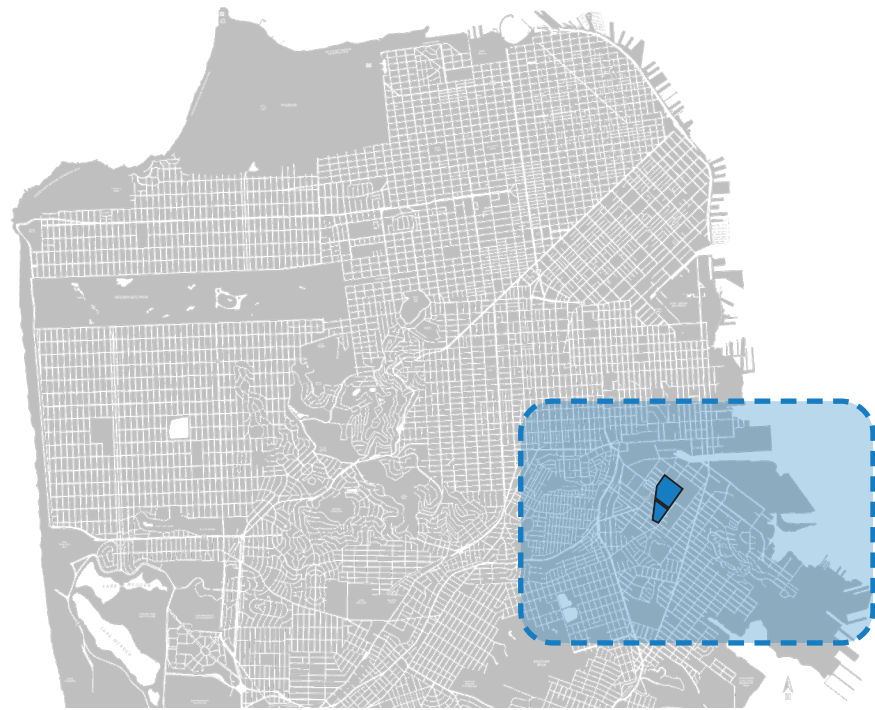
Comments:

Study balance of security and human scale at street level

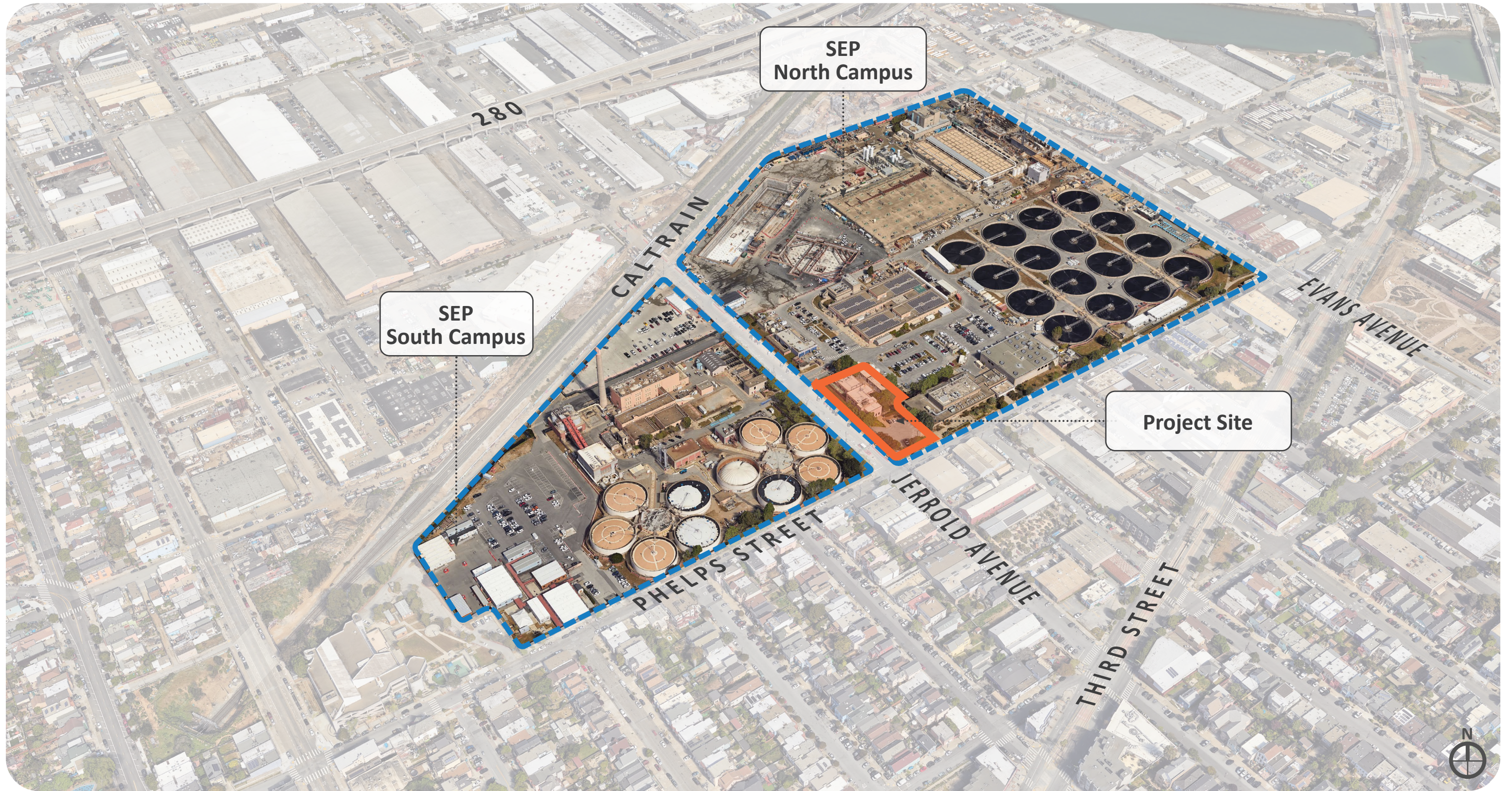
Design Responses:

- Added more windows at street level
- Added a gradient to translucent glass for variation
- Provided precast panels of varying widths
- Added facade lighting
- Added street trees

Context



Campus Aerial



Context Views



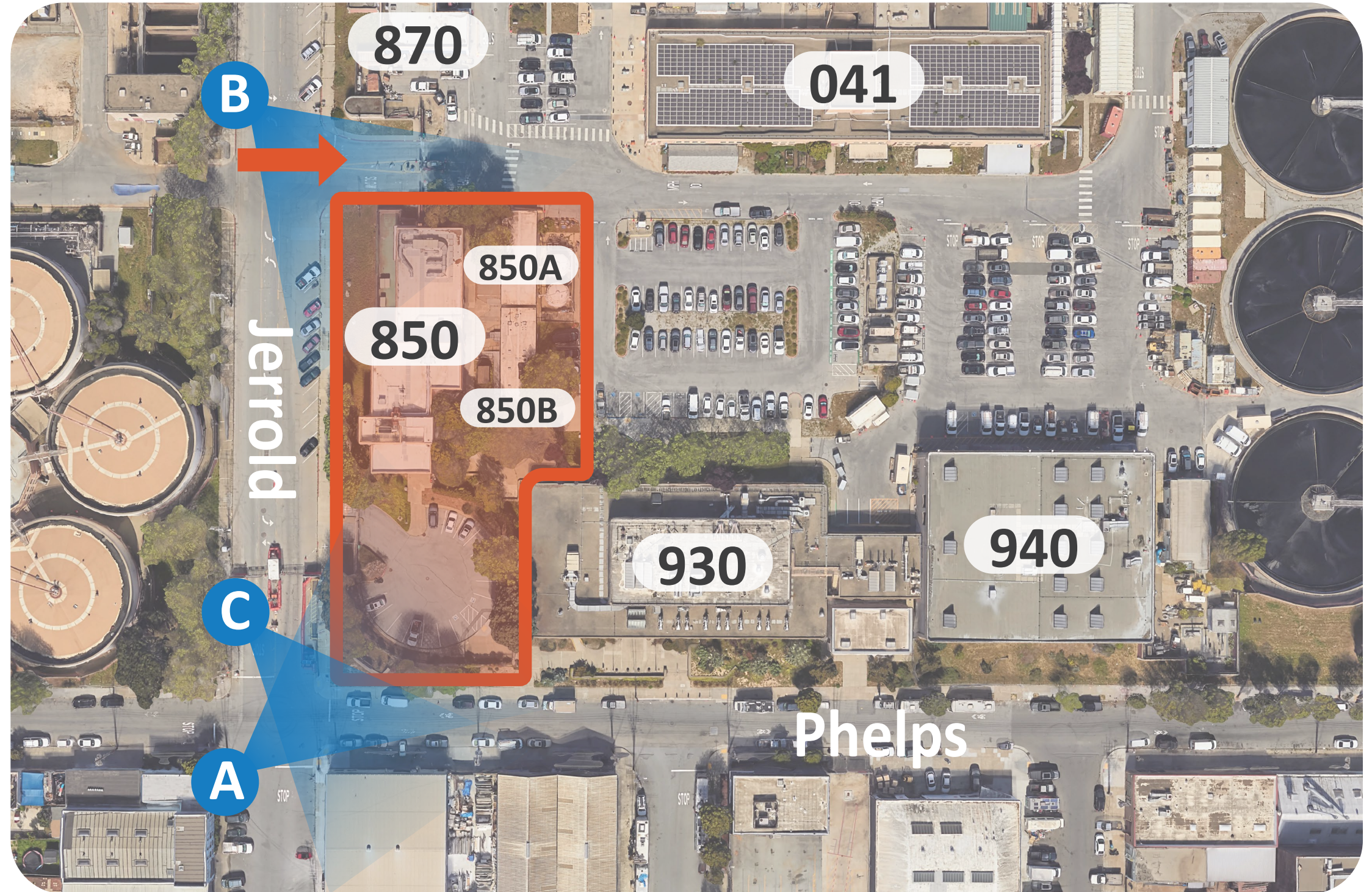
A Phelps-Jerrold Intersection



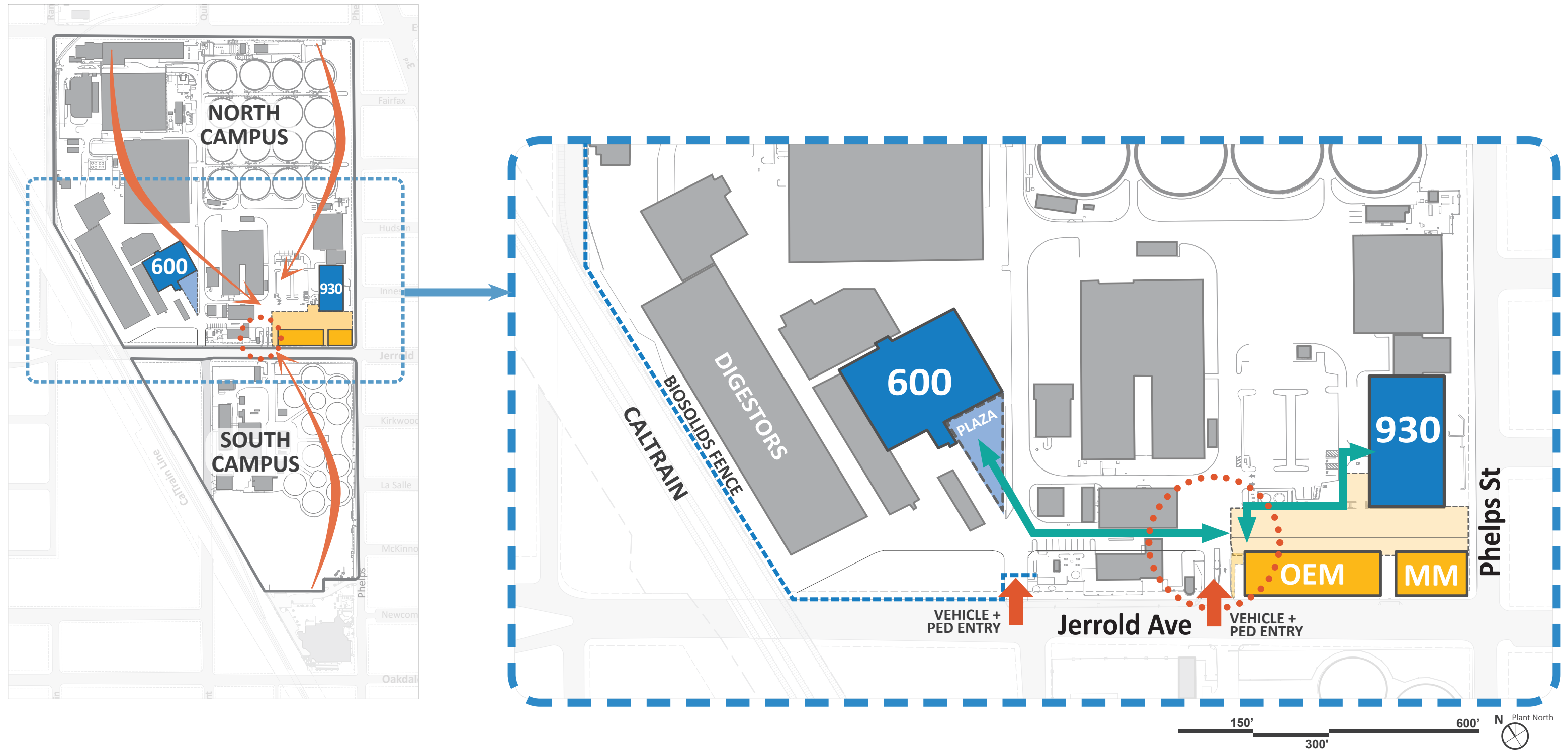
B Mid-Block Entry Gate at Jerrold



C East Corner of Phelps-Jerrold Intersection



Project Site - Creating a Central Hub



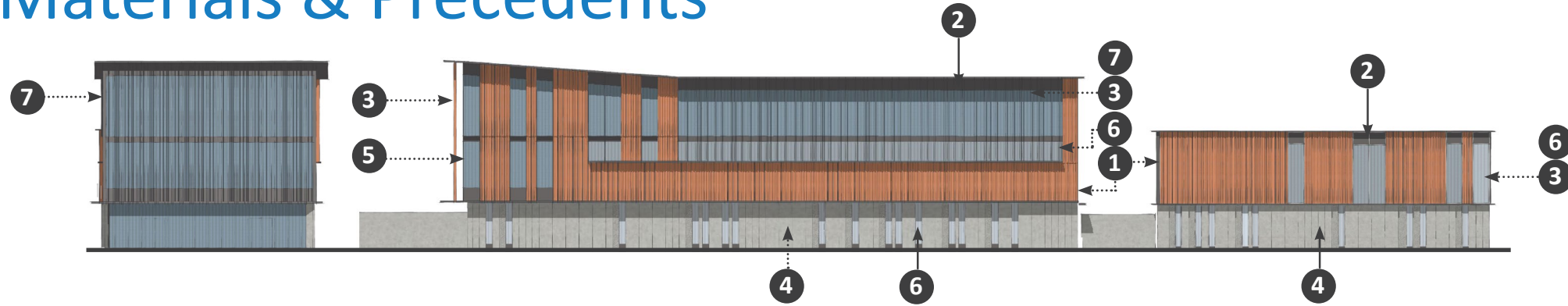
Architectural Site Plan



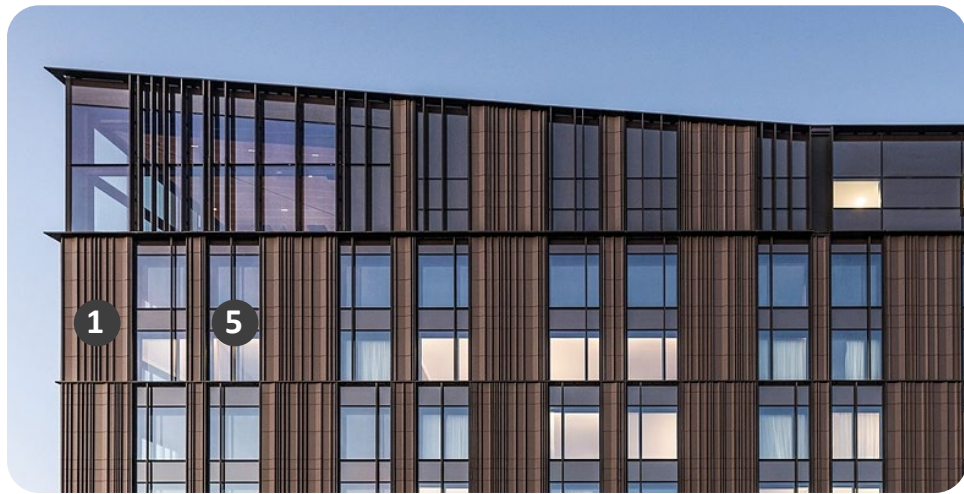
Floor Plans



Materials & Precedents



BIOSOLIDS PROJECT, IN CONSTRUCTION



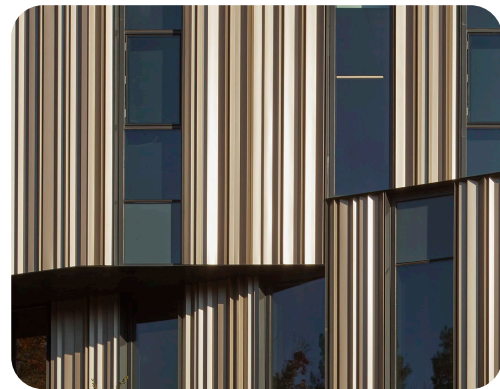
NOVOTEL, CHRISTCHURCH, NZ



HARVEY MUDD CAMPUS, POMONA, CA



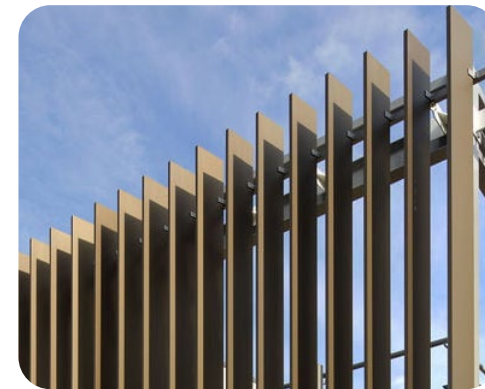
HIDDEN CREEK CENTER, HILLSBORO, OR



1 FOLDED METAL PANEL



2 ALUMINUM COMPOSITE PANEL



3 ALUMINUM VERTICAL SOLAR FINIS



4 ARCHITECTURAL PRECAST

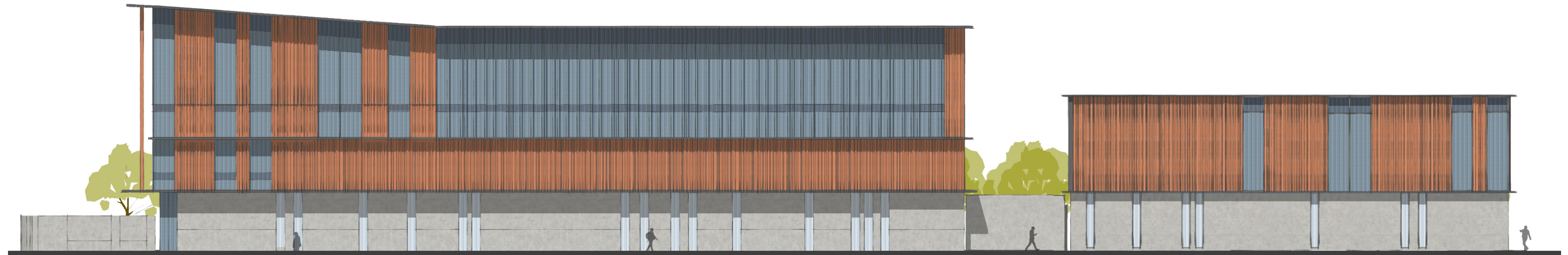


5 FRITTED GLASS

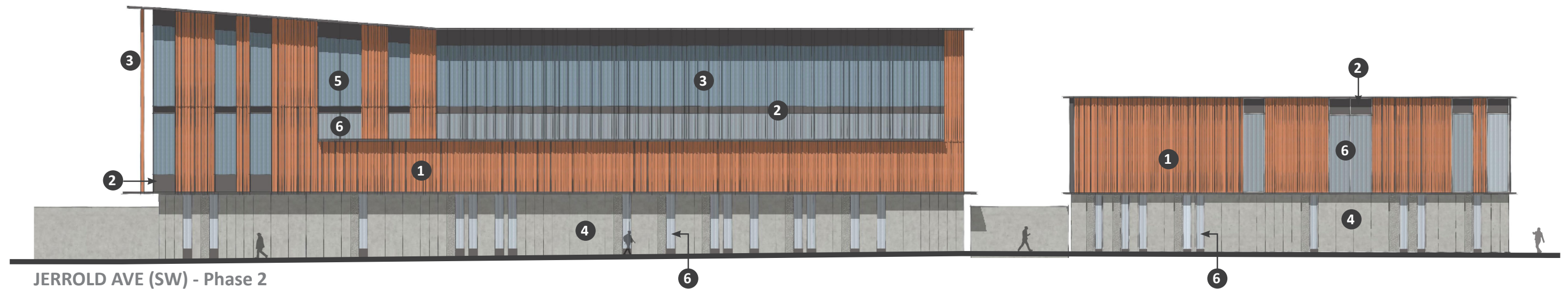
6 TRANSLUCENT GLASS

7 LOW-E GLASS

Elevations



JERROLD AVE (SW) - Phase 1

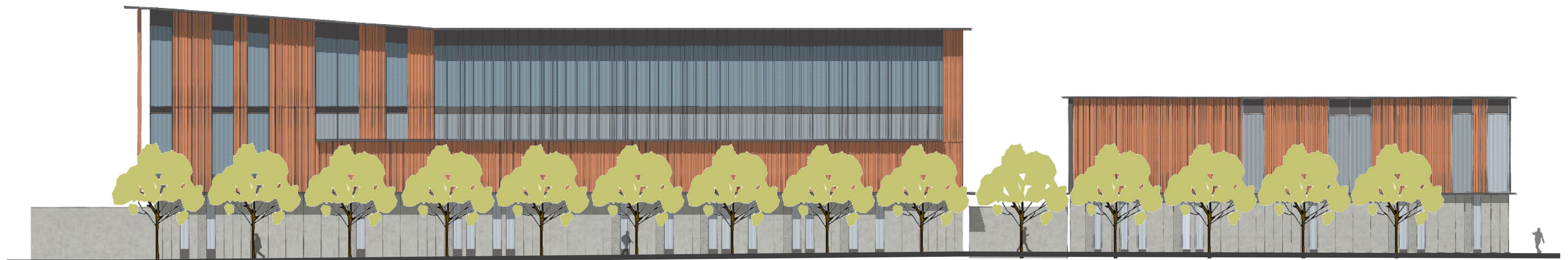


JERROLD AVE (SW) - Phase 2

- | | |
|-------------------------------|---------------------|
| 1 FOLDED METAL PANEL | 5 FRITTED GLASS |
| 2 ALUMINUM COMPOSITE PANEL | 6 TRANSLUCENT GLASS |
| 3 ALUMINUM VERTICAL SOLAR FIN | 7 LOW-E GLASS |
| 4 ARCHITECTURAL PRECAST | |



Elevations

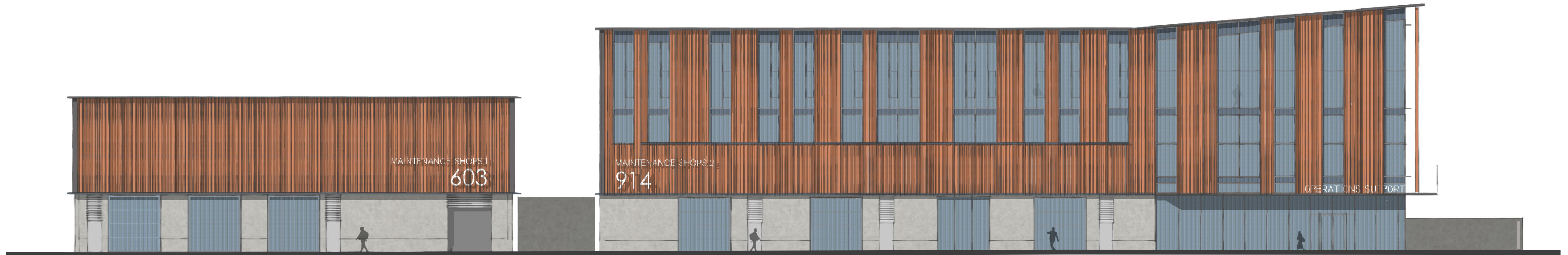


JERROLD AVE (SW) - Phase 2 with Street Trees

- | | |
|--------------------------------|---------------------|
| ① FOLDED METAL PANEL | ⑤ FRITTED GLASS |
| ② ALUMINUM COMPOSITE PANEL | ⑥ TRANSLUCENT GLASS |
| ③ ALUMINUM VERTICAL SOLAR FINs | ⑦ LOW-E GLASS |
| ④ ARCHITECTURAL PRECAST | |



Elevations



CAMPUS SIDE (NE) - Phase 1

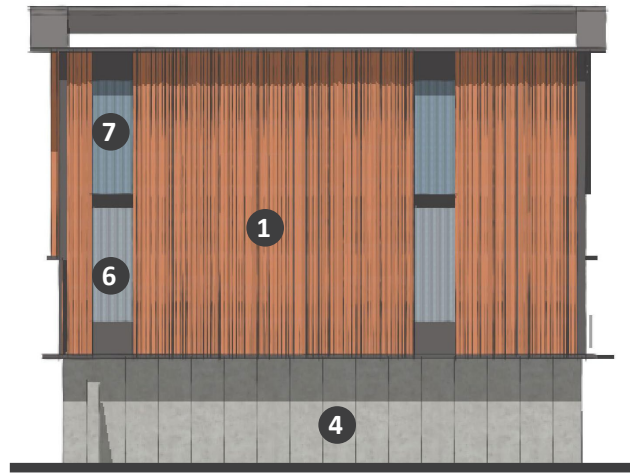


CAMPUS SIDE (NE) - Phase 2

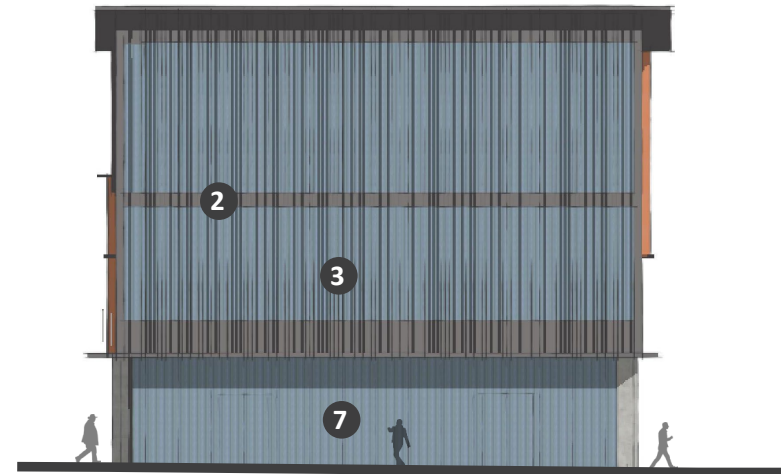
- | | |
|---------------------------------|---------------------|
| 1 FOLDED METAL PANEL | 5 FRITTED GLASS |
| 2 ALUMINUM COMPOSITE PANEL | 6 TRANSLUCENT GLASS |
| 3 ALUMINUM VERTICAL SOLAR FINES | 7 LOW-E GLASS |
| 4 ARCHITECTURAL PRECAST | 8 GLASS SHOP DOORS |



Elevations

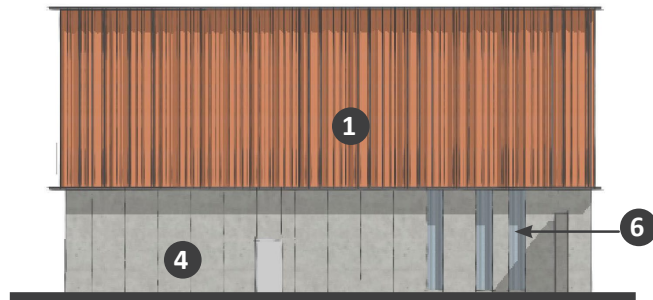


COURTYARD (914 E) - Phase 2



CAMPUS ENTRY (W) - Phase 2

- 1 FOLDED METAL PANEL
- 2 ALUMINUM COMPOSITE PANEL
- 3 ALUMINUM VERTICAL SOLAR FIN
- 4 ARCHITECTURAL PRECAST
- 5 FRITTED GLASS
- 6 TRANSLUCENT GLASS
- 7 LOW-E GLASS



COURTYARD (603 W) - Phase 2



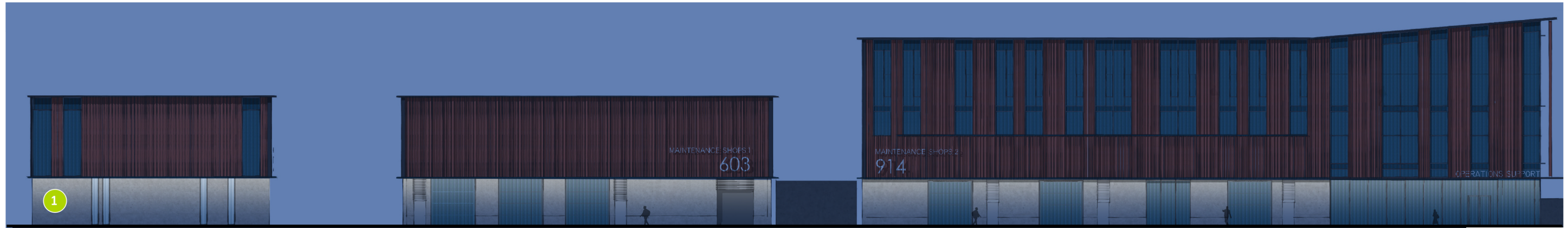
PHELPS ST (E) - Phase 2



PHELPS ST (E) - Phase 1

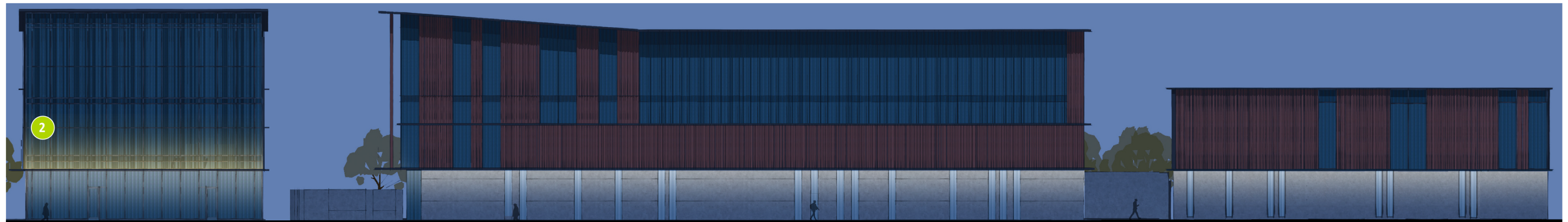


Elevations - Exterior Lighting



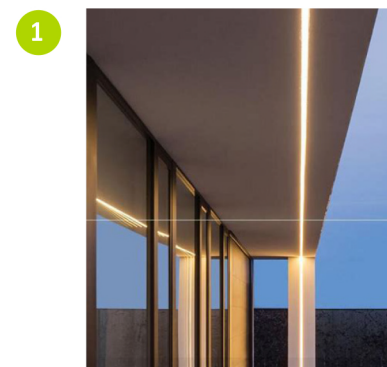
Phelps Street (SE)

Campus (NE)

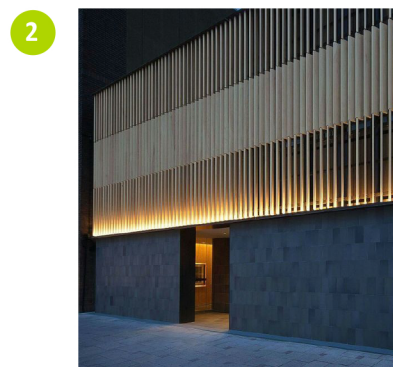


Campus Entry (NW)

Jerrold Ave (SW)

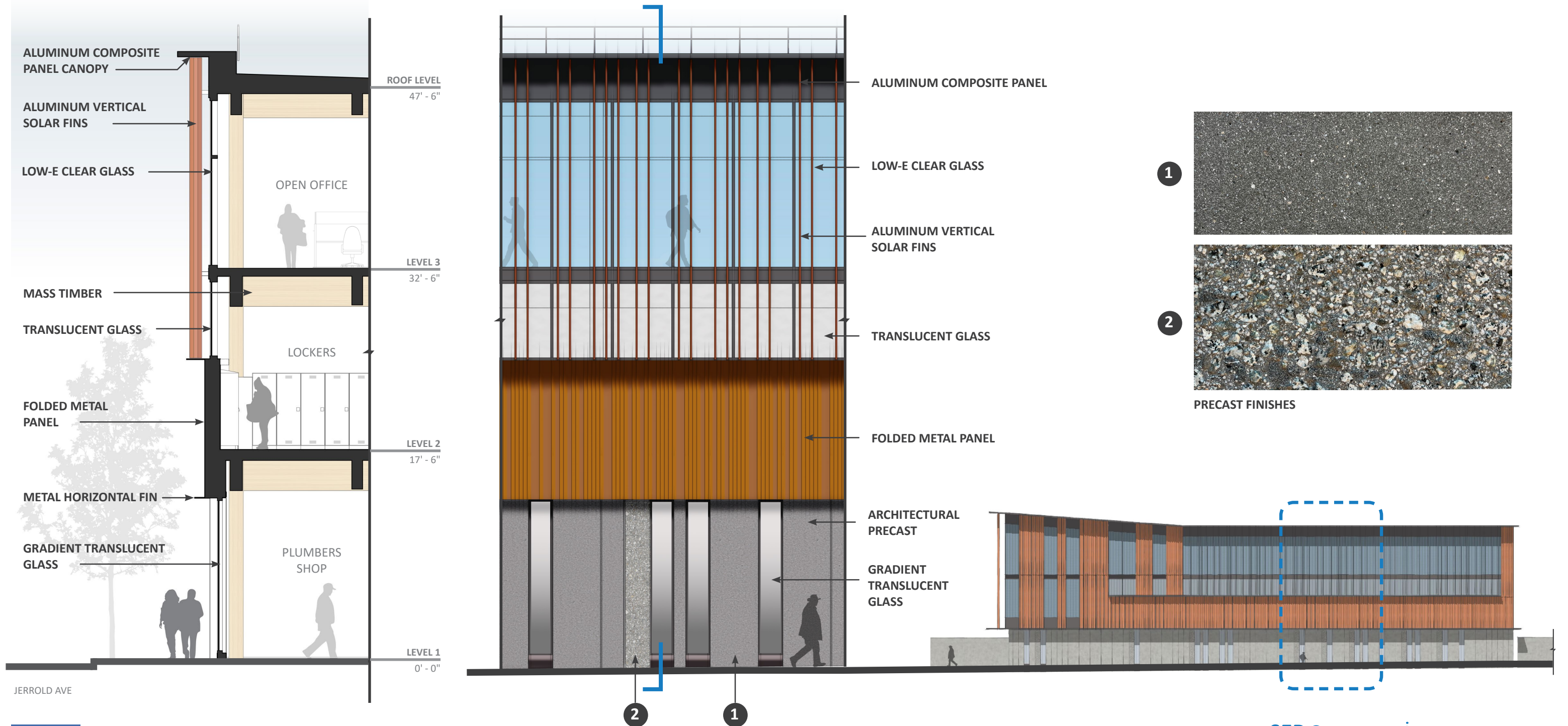


Recessed linear downlight

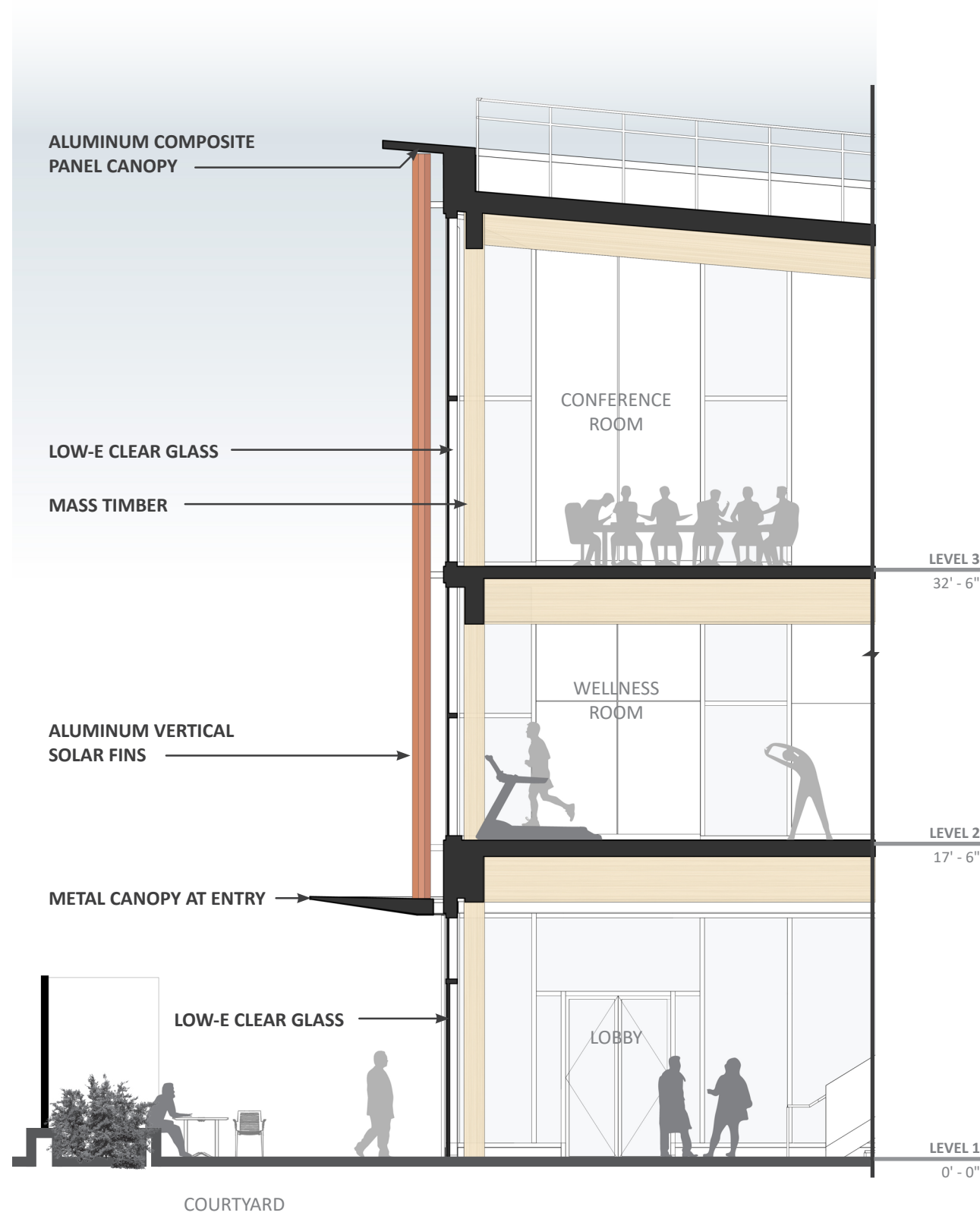


Linear uplight

Building Envelope at Jerrold Ave - OEM Building



Building Envelope at Campus Entry - OEM Building



Main Campus Entry View

- 1 FOLDED METAL PANEL
- 2 ALUMINUM COMPOSITE PANEL
- 3 ALUMINUM VERTICAL SOLAR FINNS
- 4 ARCHITECTURAL PRECAST
- 5 FRITTED GLASS
- 6 TRANSLUCENT GLASS
- 7 LOW-E GLASS
- 8 FENCE



Aerial View at Intersection of Jerrold & Phelps

- 1 FOLDED METAL PANEL
- 2 ALUMINUM COMPOSITE PANEL
- 3 ALUMINUM VERTICAL SOLAR FINS
- 4 ARCHITECTURAL PRECAST
- 5 FRITTED GLASS
- 6 TRANSLUCENT GLASS
- 7 FENCE



Aerial View from Campus Side

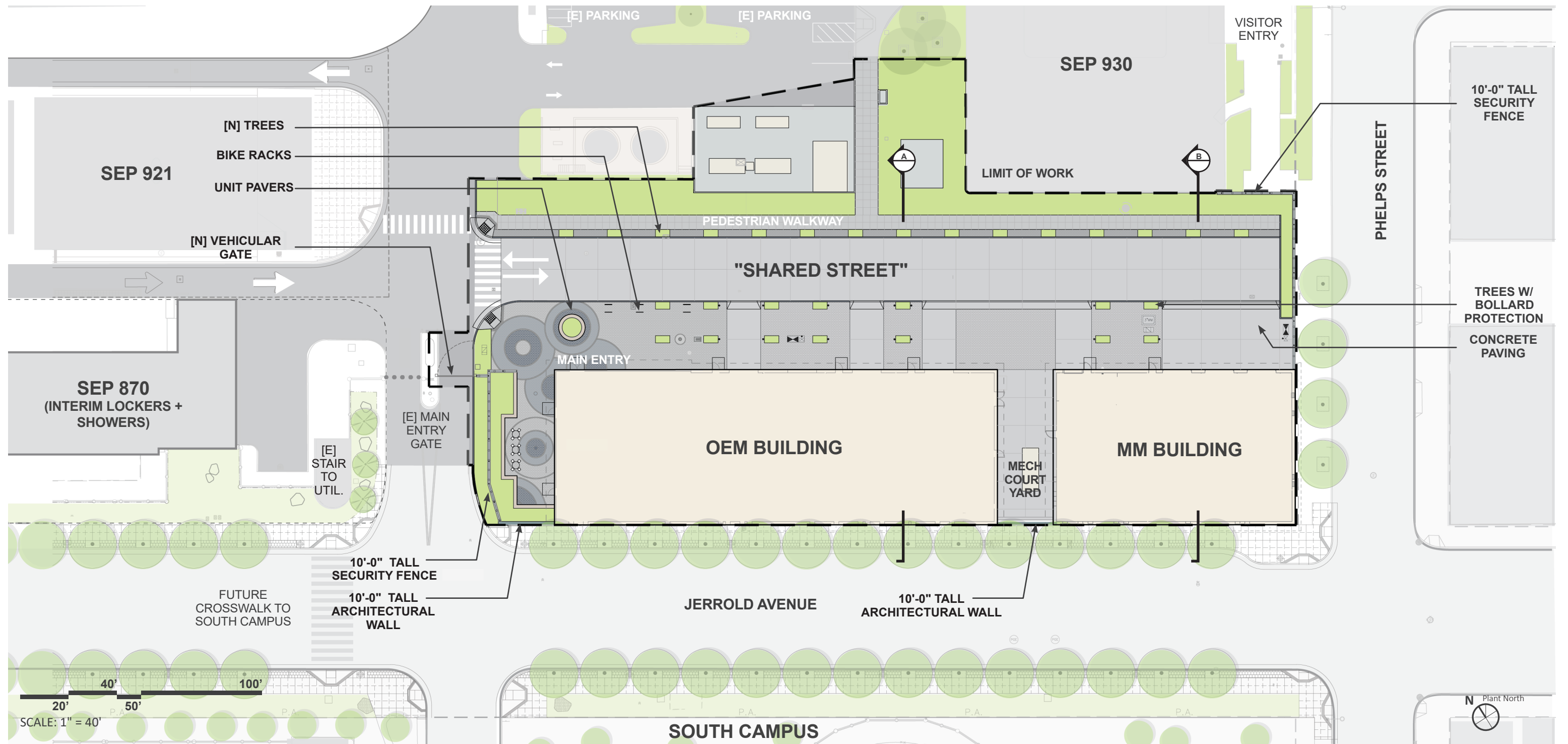


LANDSCAPE

Landscape Site Plan - Layout Plan

Design Principles

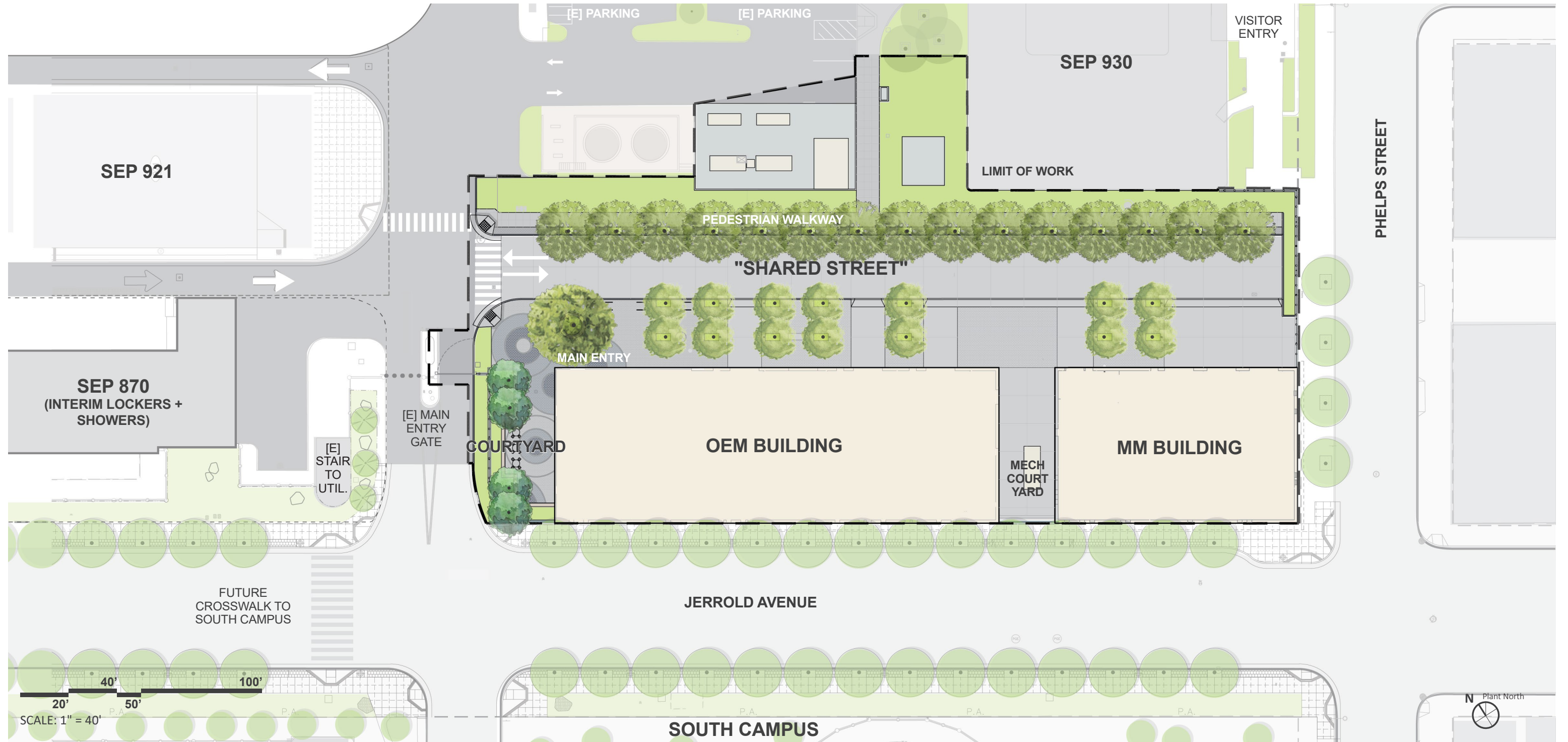
- 'Shared Street,' Fully functional for operations, equipment and lay-down area
- Provide safe pedestrian pathways by separating vehicular with planting areas



Landscape Site Plan - Planting

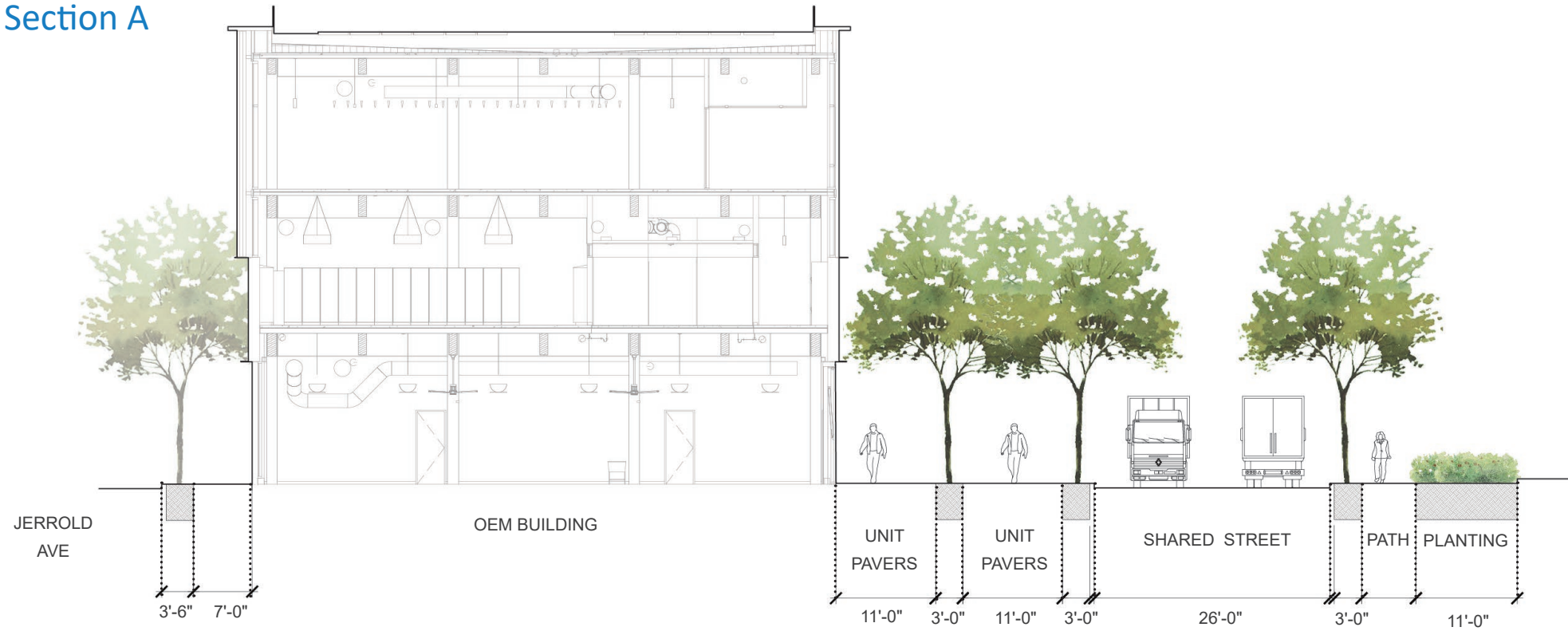
Design Principles

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



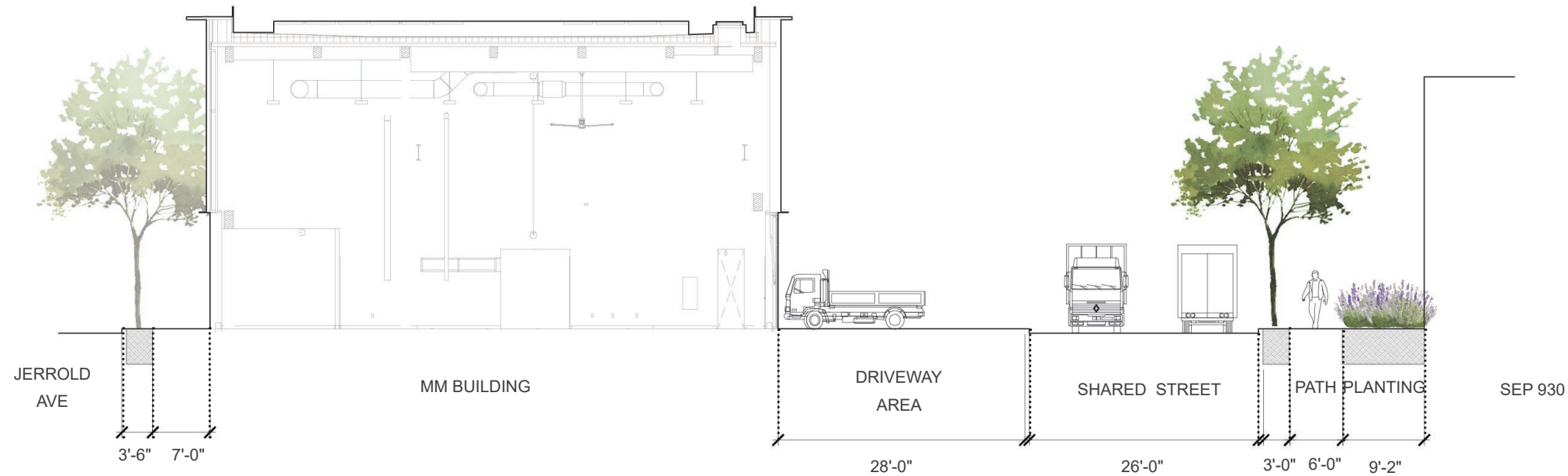
Landscape Site Sections

Section A



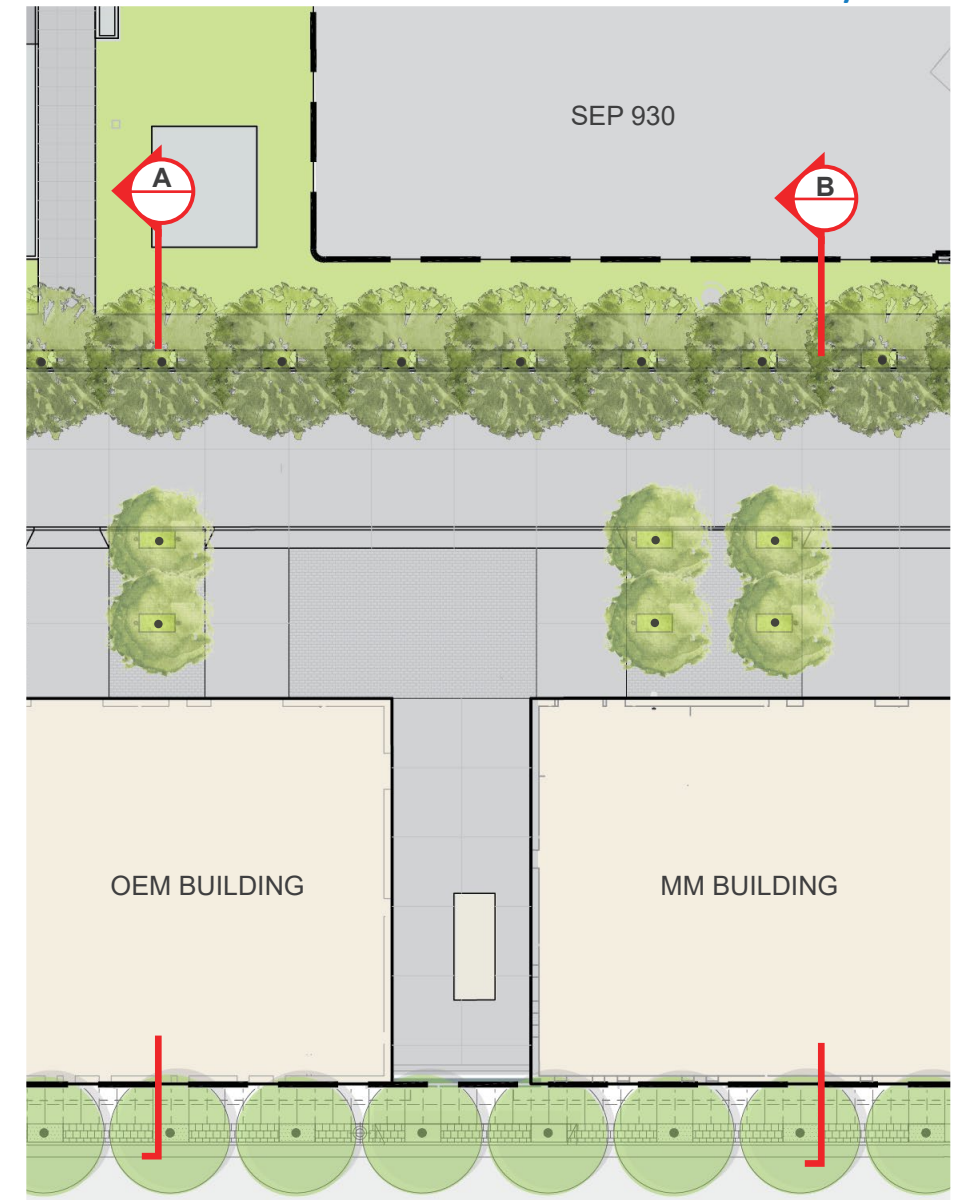
SCALE: NTS

Section B



SCALE: NTS

Site Key Plan



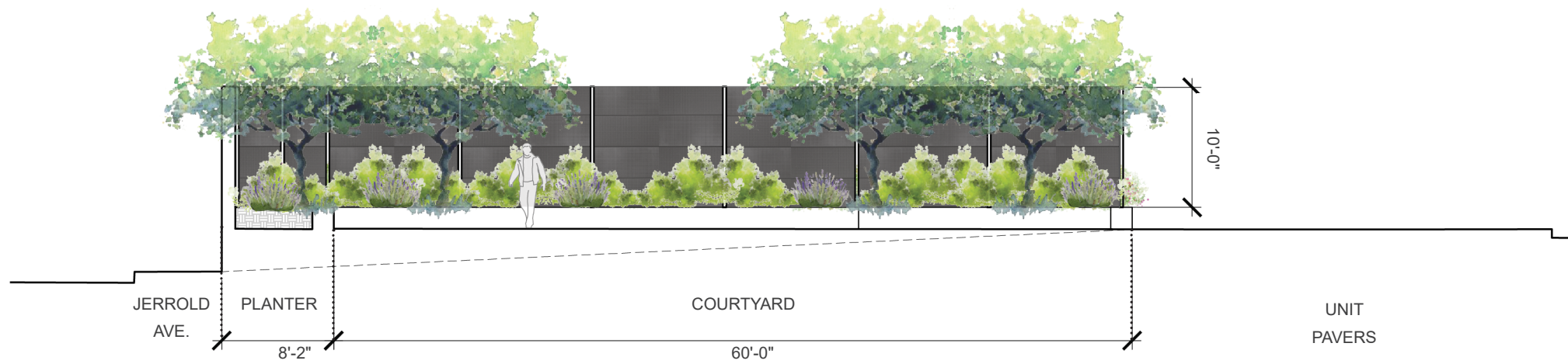
Landscape Courtyard Sections

Section C



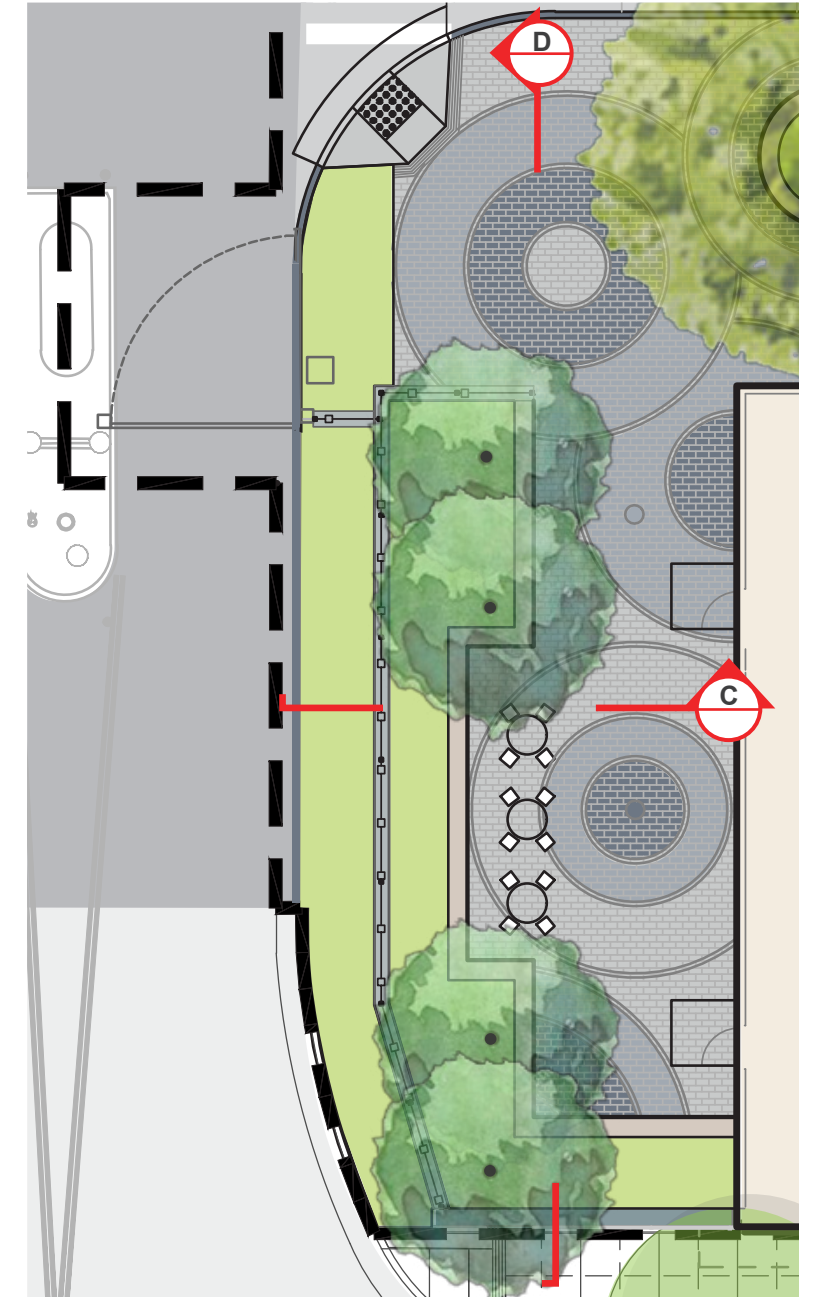
SCALE: NTS

Section D

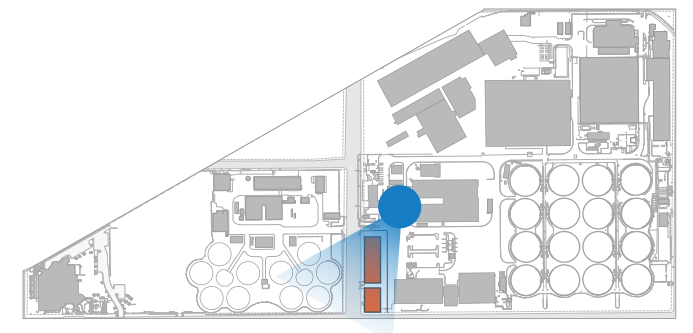


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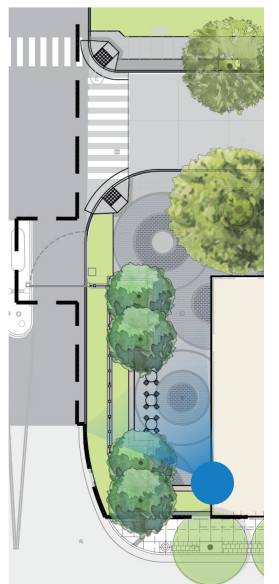
Courtyard Key Plan



Landscape "Shared Street" Perspective



Landscape Courtyard Perspective



Landscape Materials

Unit pavers

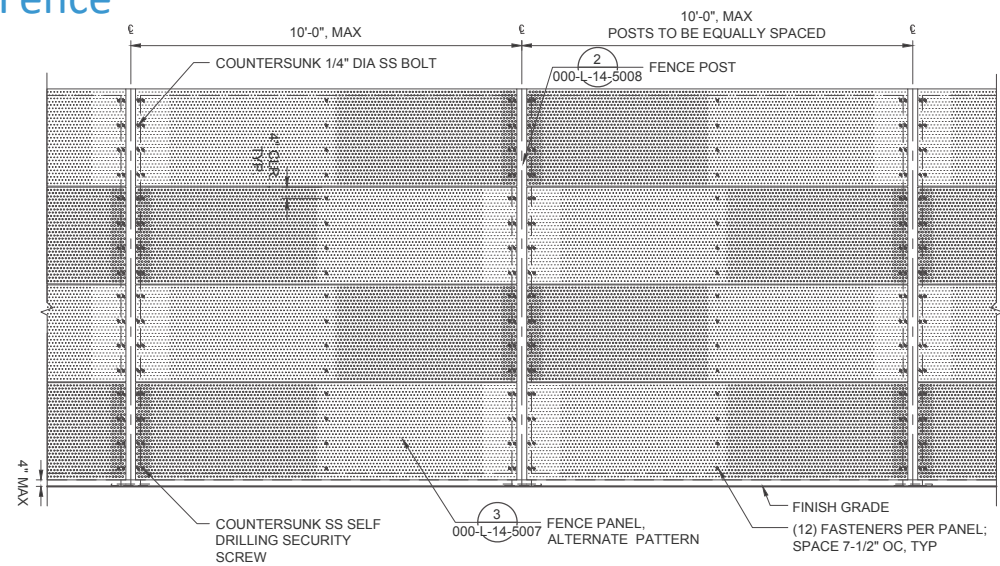


Type A: French Gray

Type B: Porcelain

Type C: Granada White

Fence



BDFP Fence along Jerrold Avenue



Color of Panels:
Steel Powder Coated
Aluminum Finish

Seating wall/Raised Planter



Precast Concrete in
French Gray



2x4 Wood Slats:
Woodgrain spotted Gum

Furnishings



Steel Bike Racks



Carbon Steel Bollards



Powder-coated Steel Movable Tables and Chairs



Planting Palette: Trees

Shared Street



Platanus x acerifolia

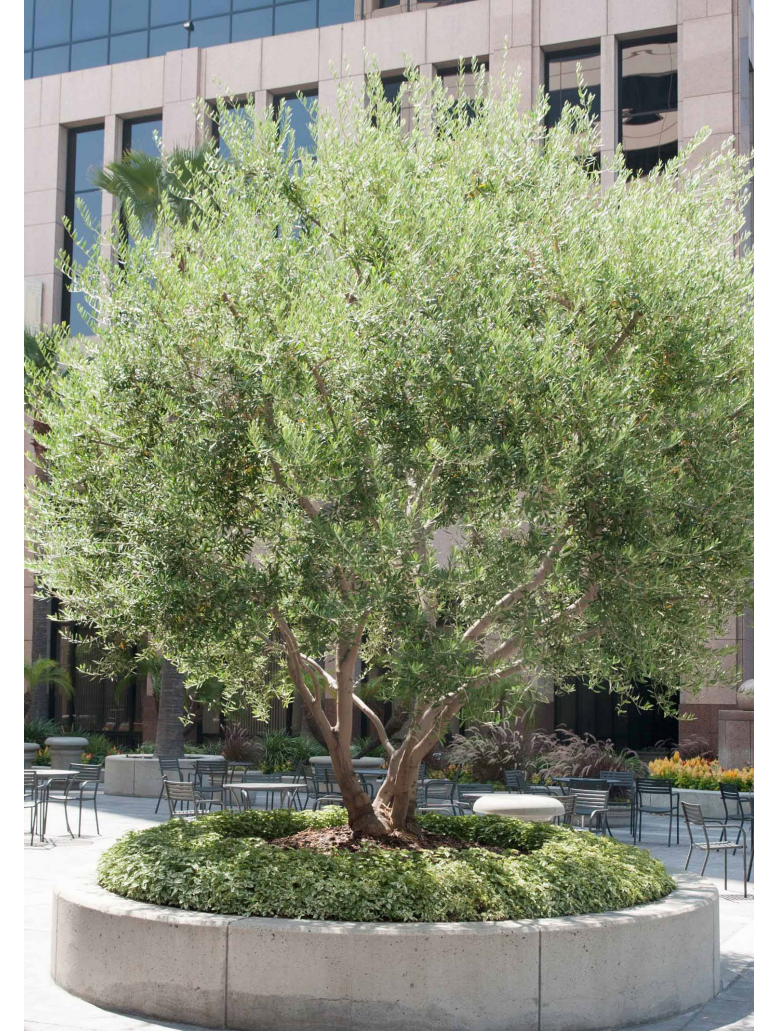


Tristania laurina



Quercus agrifolia

Courtyard



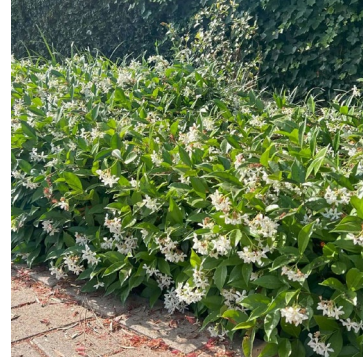
Olea europaea 'Swan Hill'

Planting Palette: Shrubs and Groundcovers

Shared Street



Festuca mairei 'Greenlee's Form'



Trachelospermum jasminoides



Lantana montevidensis



Dietes vegeta



Courtyard



Rosmarinus prostrata



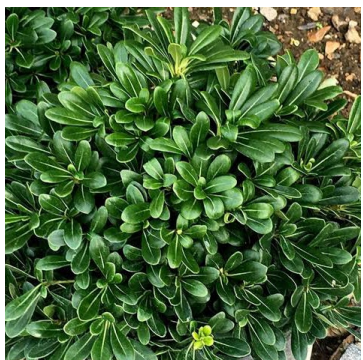
Salvia clevelandii



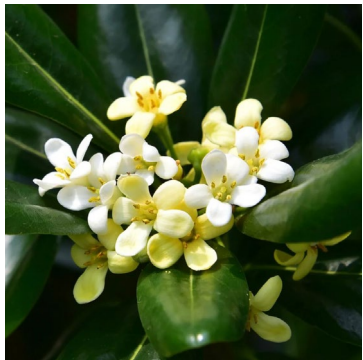
Tibouchina urvilleana 'Princess Flower'



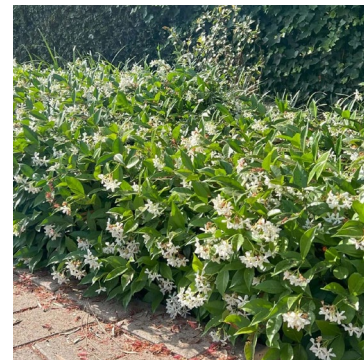
Choisya ternata 'Mock Orange'



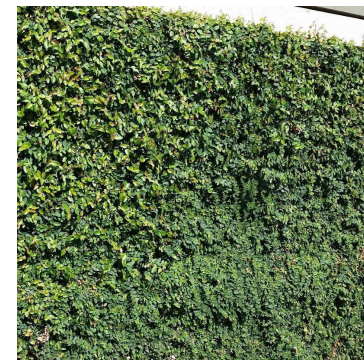
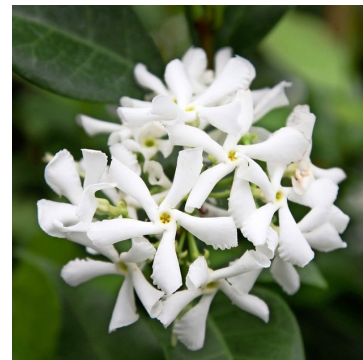
Pittosporum tobira



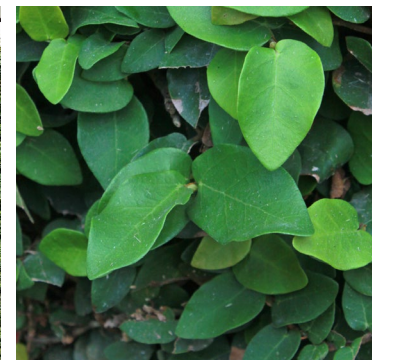
Ribes sanguineum



Trachelospermum jasminoides



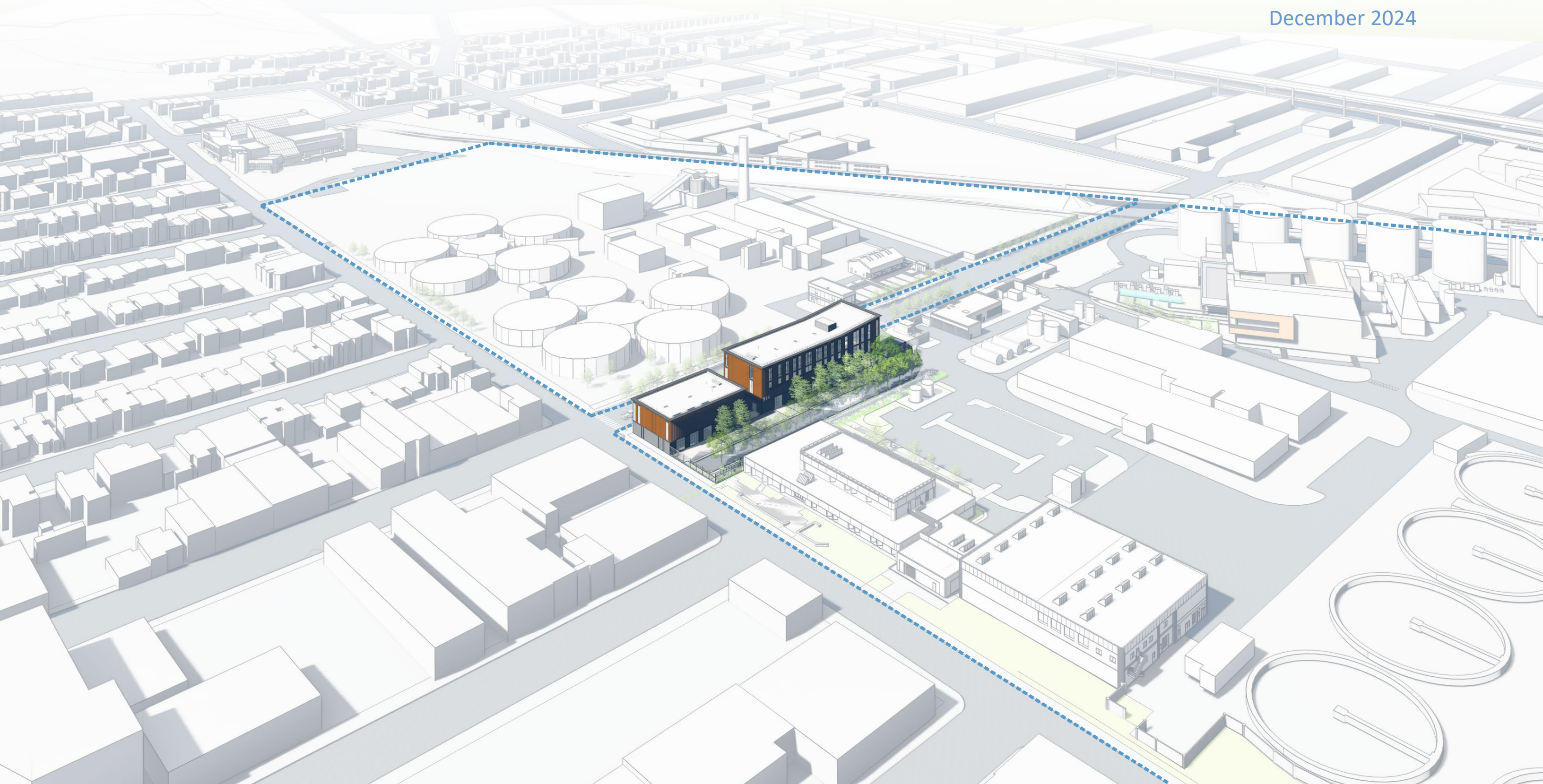
Ficus pumila



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Campus Site View

