University of Washington
Montlake Triangle Project

UNIVERSITY of WASHINGTON

Washington State Department of Transportation

SOUNDTRANSIT

Seattle Light Rail Review Panel Presentation
September 15, 2011

GUSTAFSON GUTHRIE NICHOL

kpff

LMN

1. Introductions

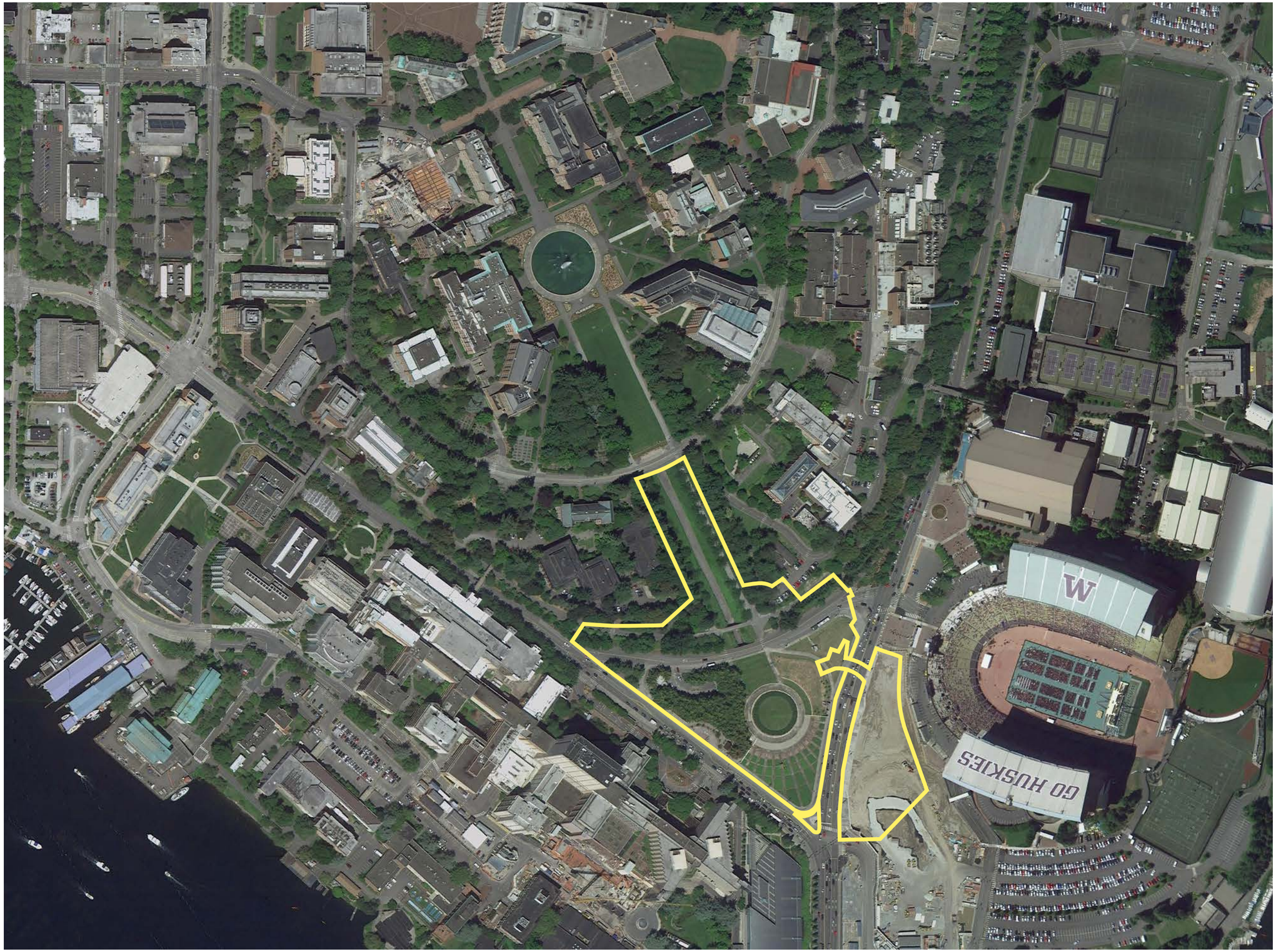
a. Concurrent Projects

b. Project Objectives and Concept Review

2. Design Progress

a. Montlake Crossing Pedestrian Bridge (SP1) - LMN

b. Rainer Vista and Montlake Triangle (SP2 & SP3) - GGN


GO HUSKIES

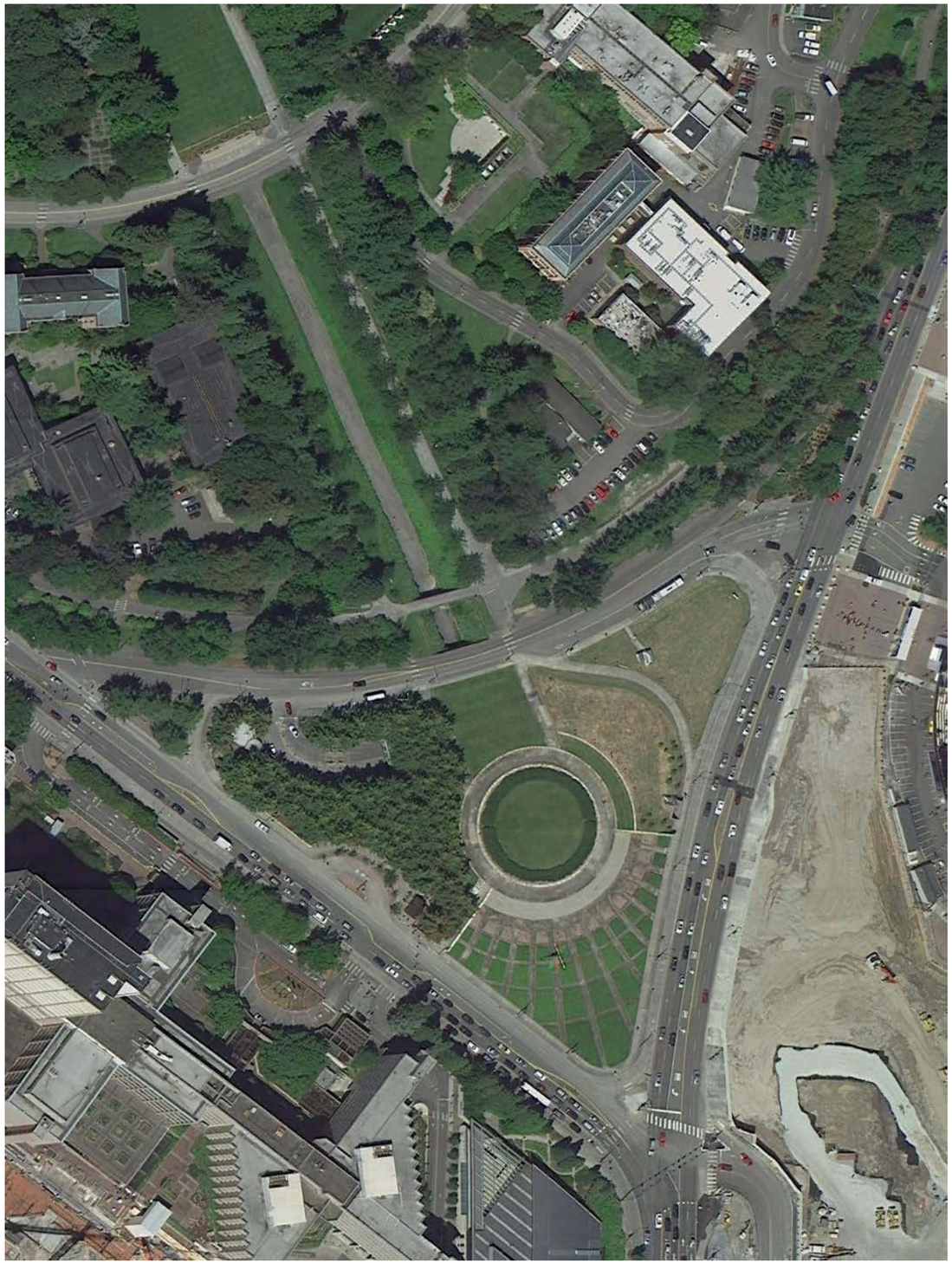
Concurrent Projects

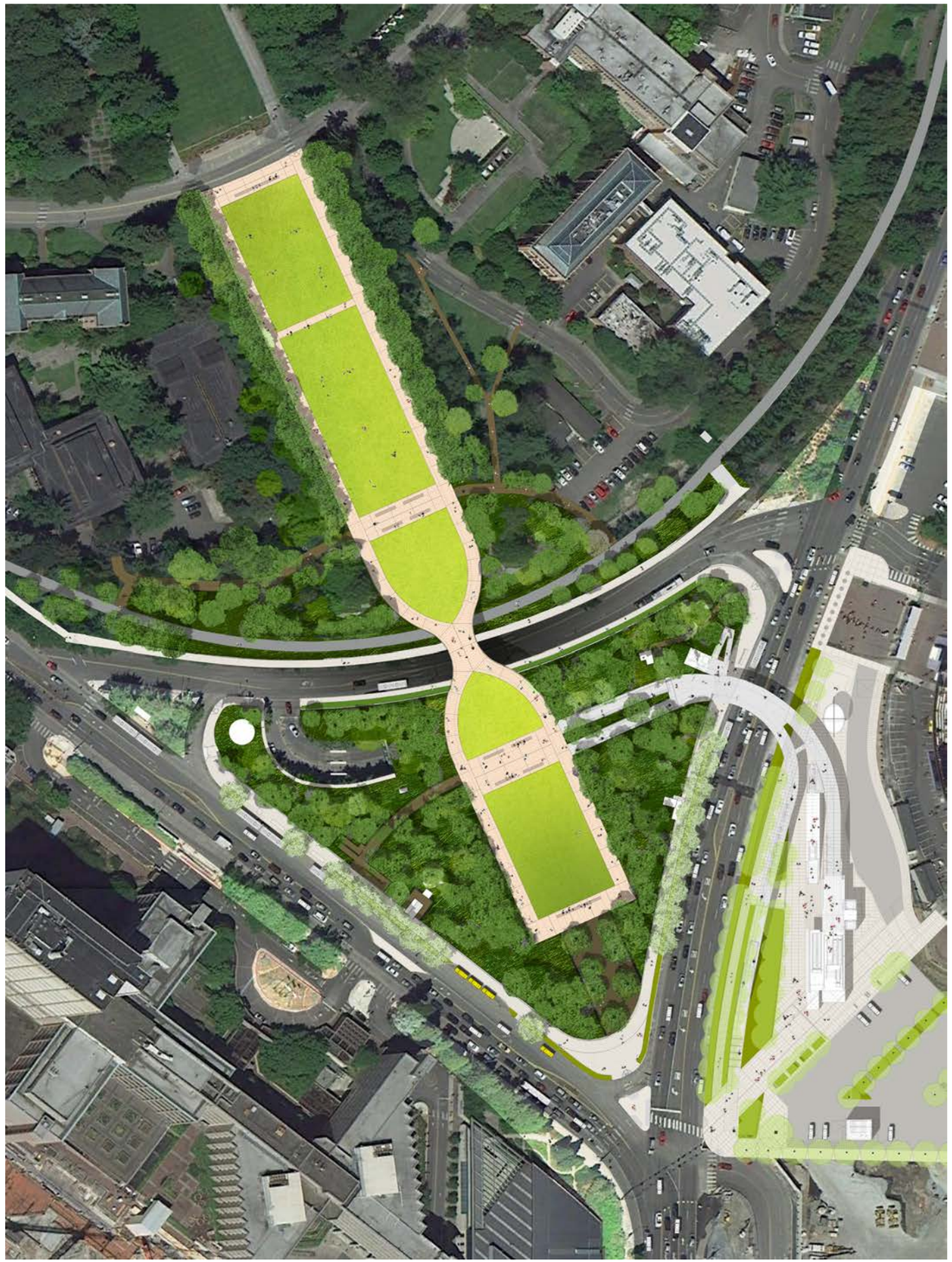
	1	University of Washington Rainier Vista and Montlake Triangle (SP2 & SP3)	On-Going
	2	Sound Transit North Link Lightrail UW Station and Montlake Boulevard Crossing Bridge (SP1)	On-Going
	3	Burke Gilman Trail	TBD
	4	Stadium Project	On-Going
	5	University of Washington Medical Center Entry	On-Going

NOTE: WSDOT is a Project Partner for SP1, SP2, & SP3 per the terms of the Memorandum of Agreement.

Sound Transit Link Light Rail Station (U 250)

Before - After





Project Principles

1. Coordinate WSDOT, SDOT, Metro, Sound Transit, and UW Project Objectives into a Unified Design Solution

2. Integrate Transit, Pedestrian, and Bike Connections into and through the Campus

3. Include the Montlake Triangle as Part of the University Campus

4. Enhance the Experience along Rainier Vista Axis and Entry into the Campus

5. Coordinate with Husky Stadium Development

6. Stay on Budget

7. Stay on Schedule

Rainier Vista Concept

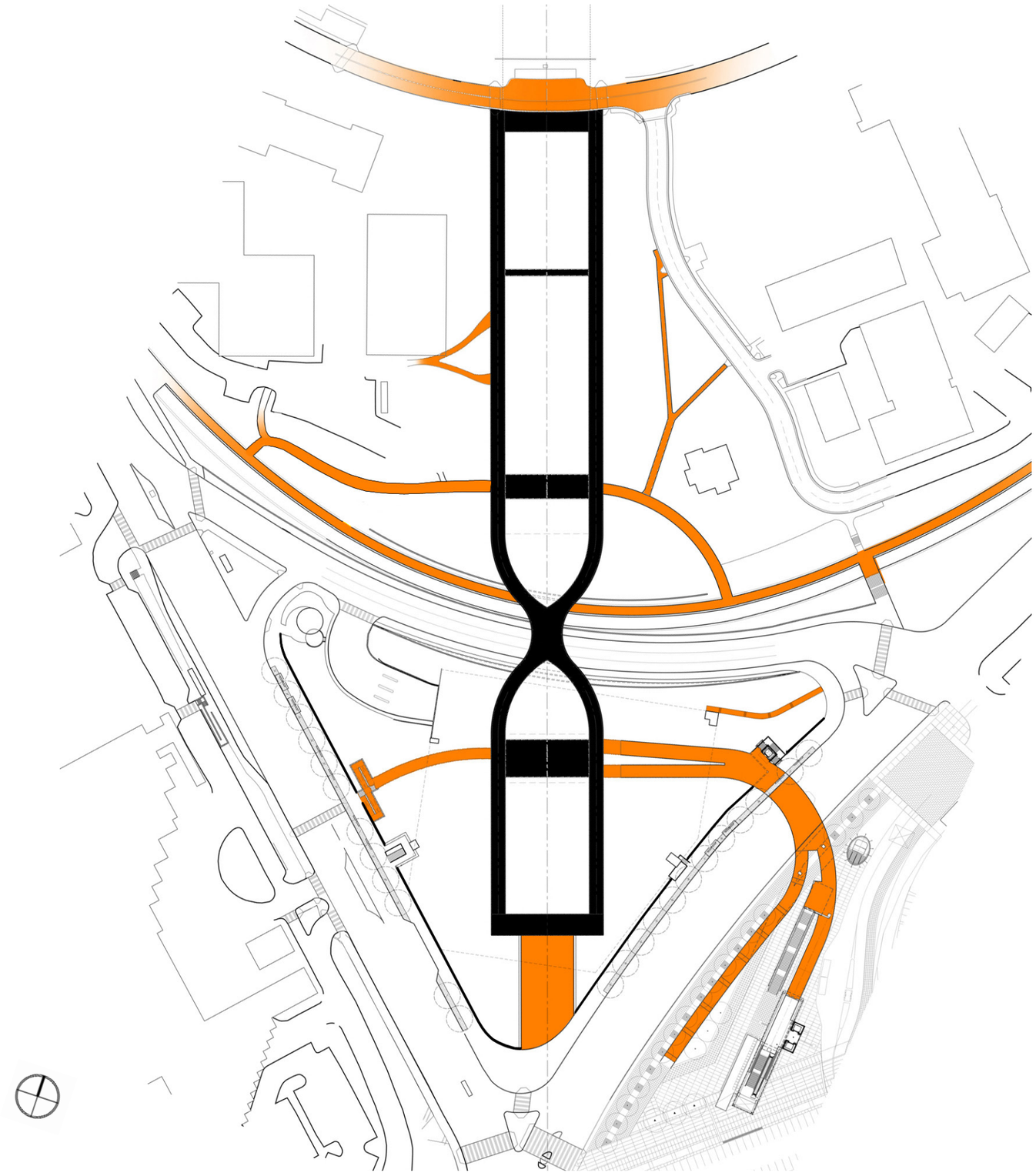
Broken Ground

Reconnected/Carved

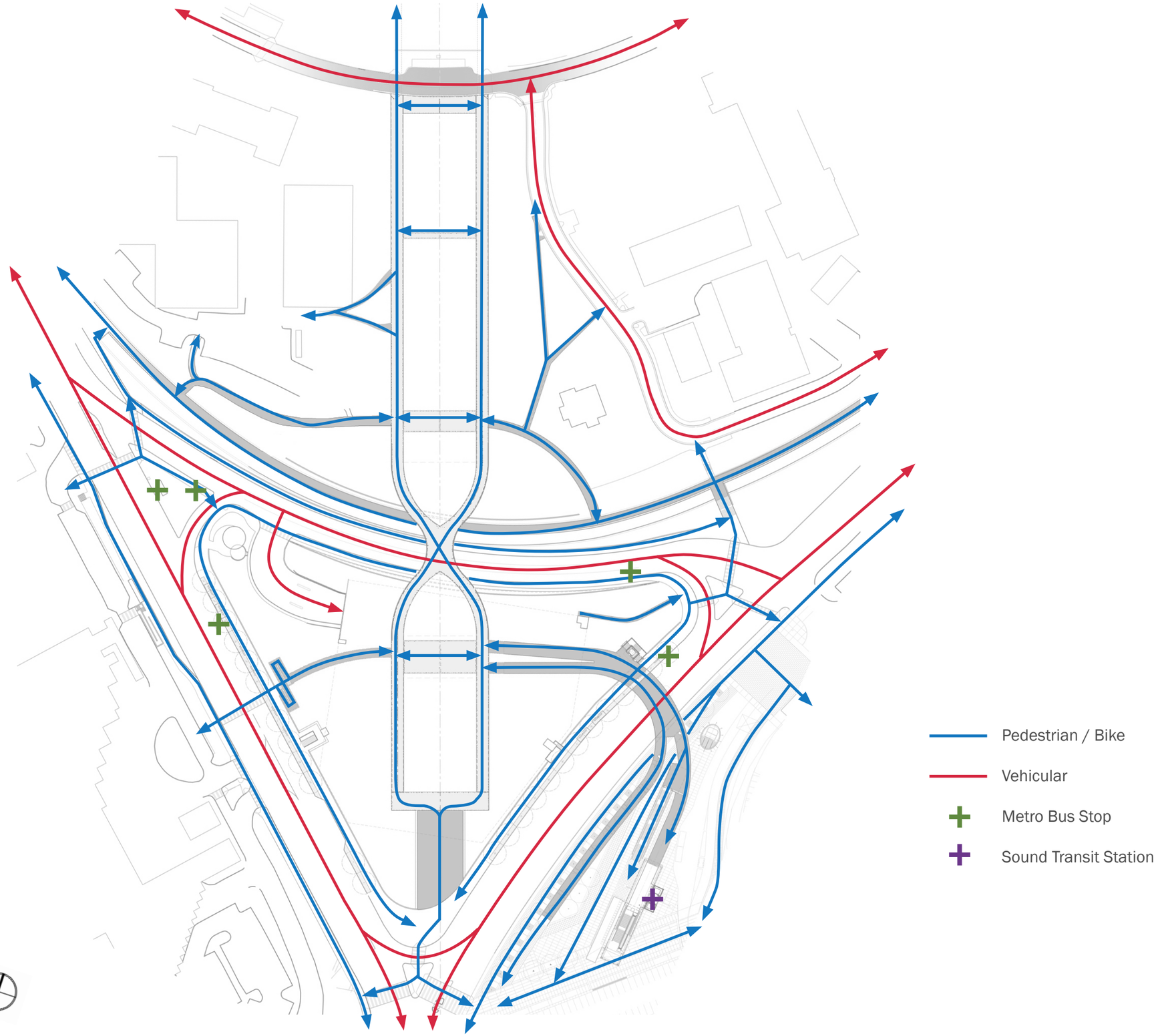
Add Axis Object

Framing Edge

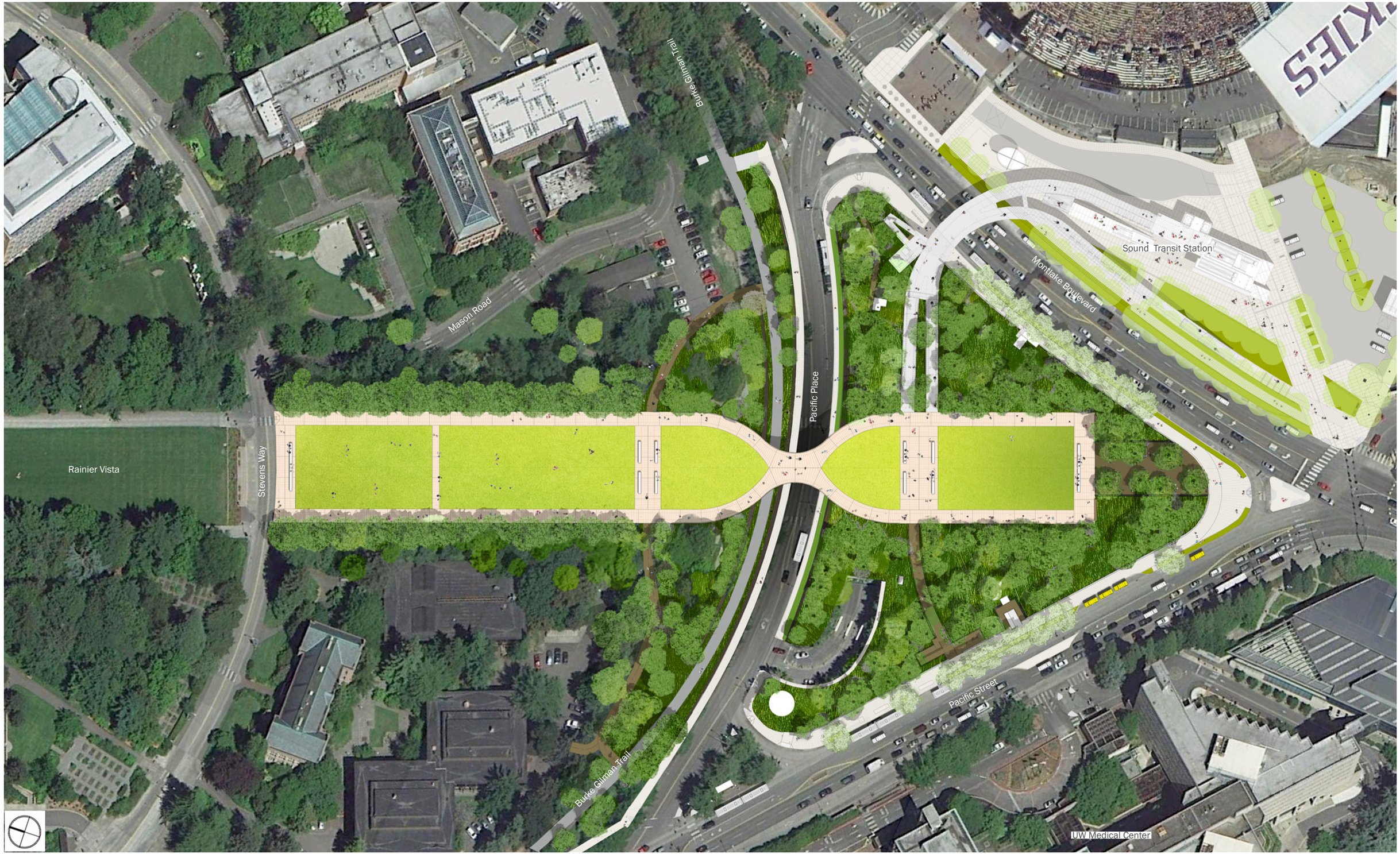
Design Hierarchy



Circulation



Illustrative Site Plan



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1 Sound Transit Station, Montlake Pedestrian Bridge, and Bicycle Ramp

2 South Mixing Plaza

3 North Mixing Plaza

4 Montlake Entry Court and Streetscape

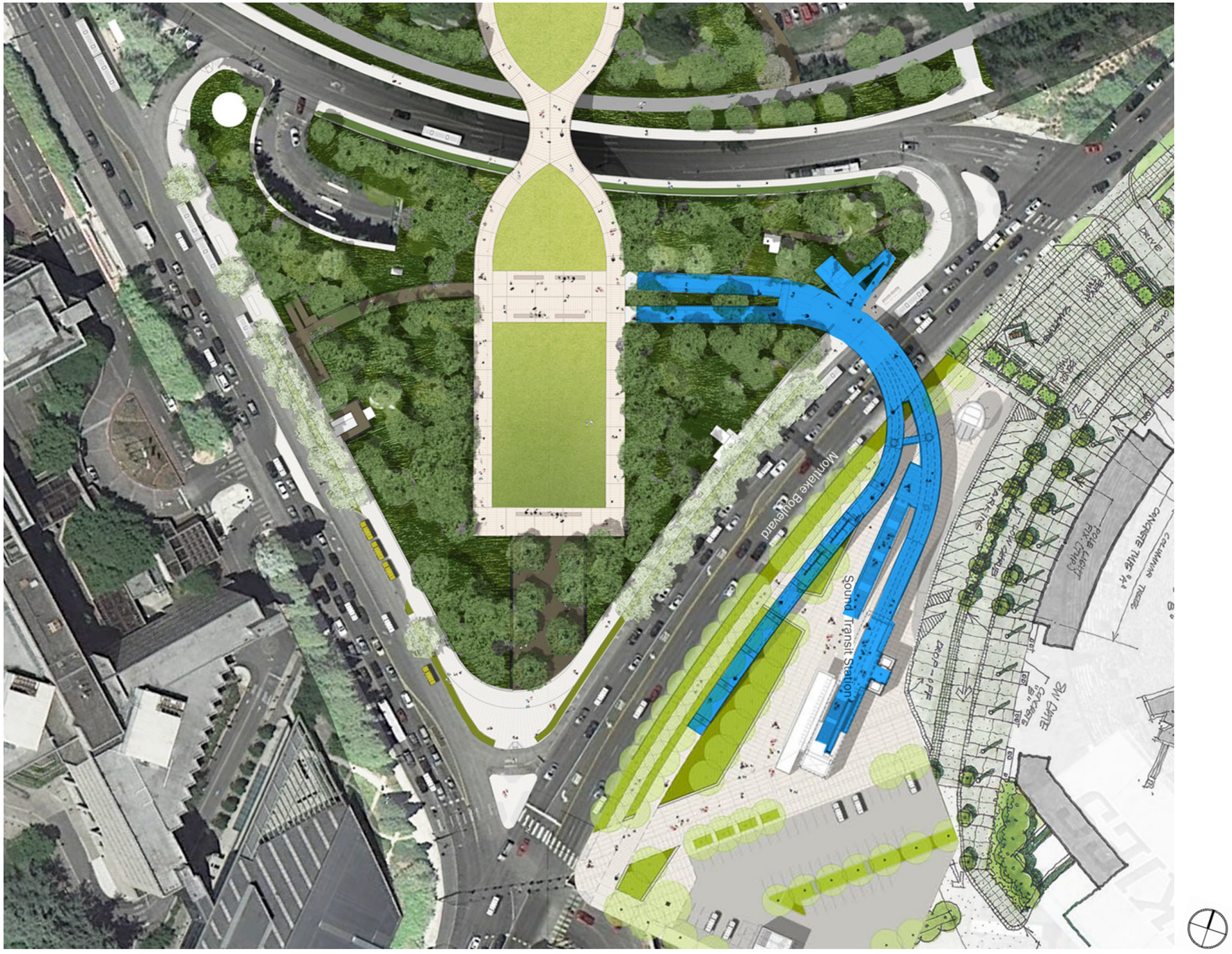
5 Pacific Place Landbridge

6 Lighting Overview

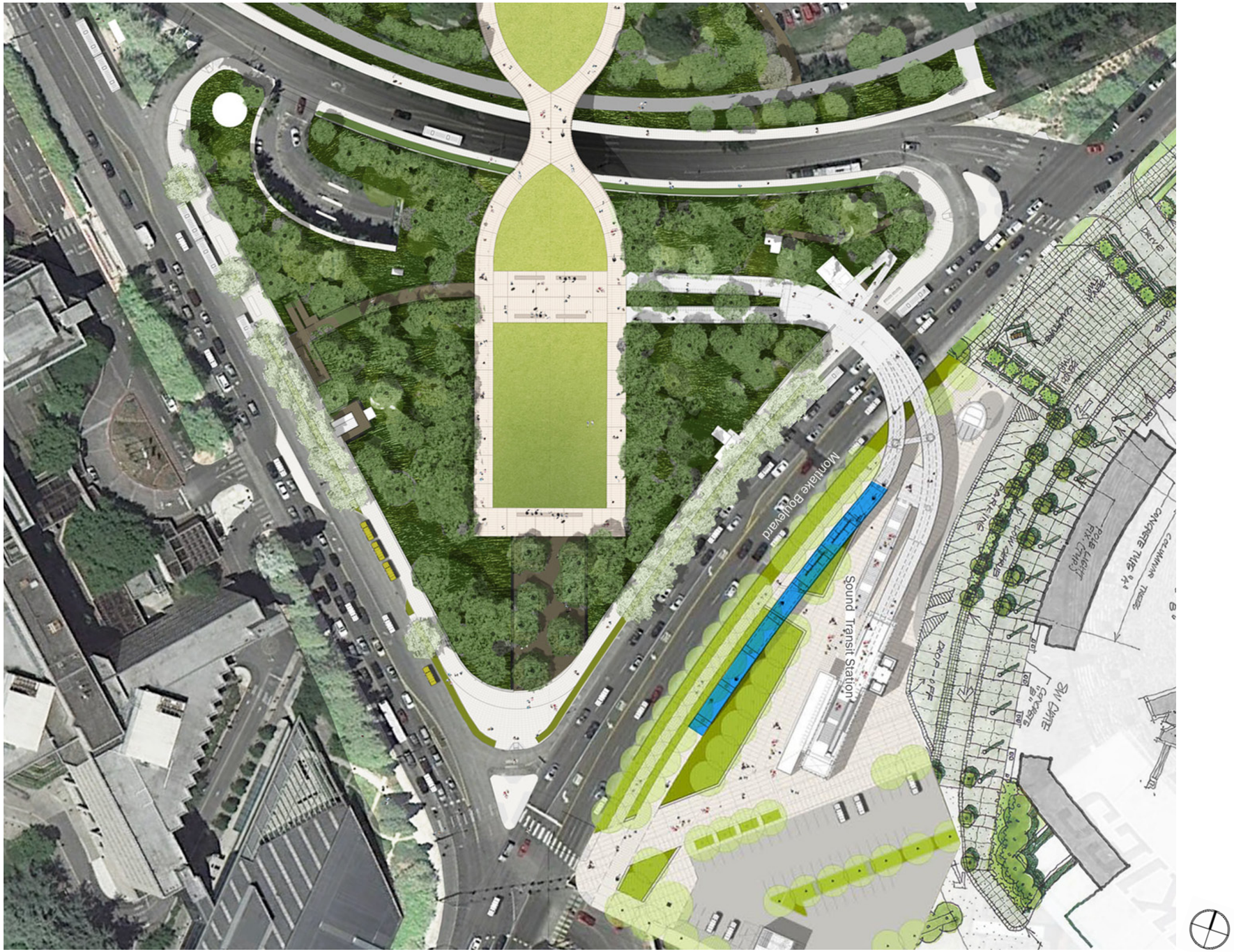
7 Planting Overview

1 Sound Transit Station, Montlake Pedestrian Bridge, and Bicycle Ramp

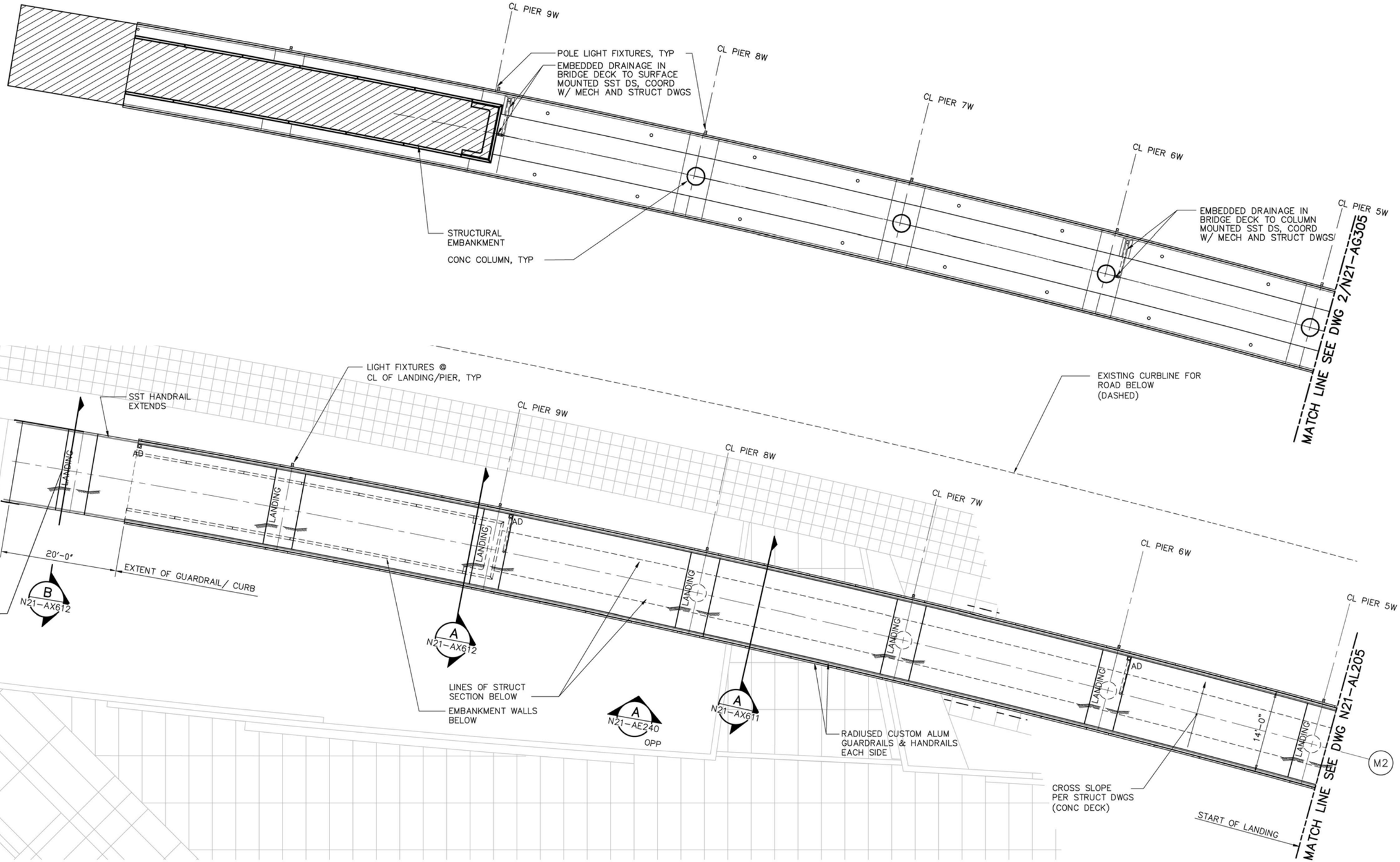
Bridge



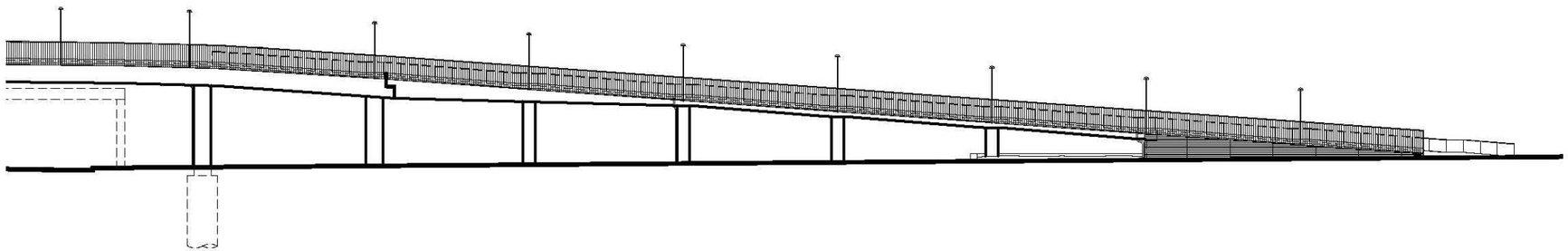
Bicycle Ramp



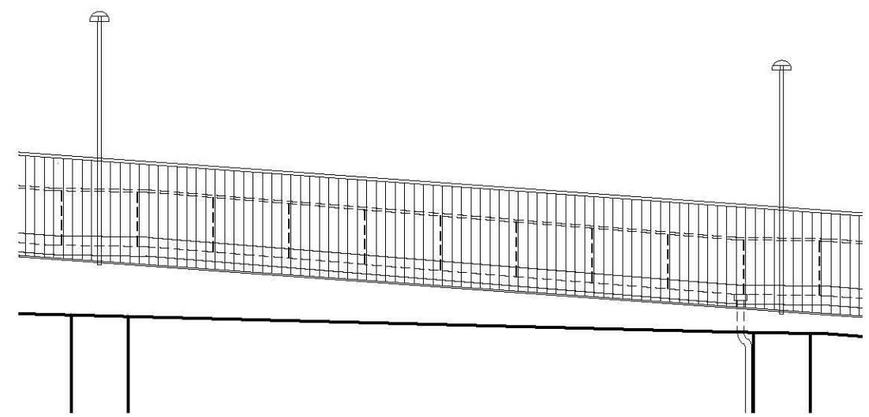
Bicycle Ramp - Plan / RCP



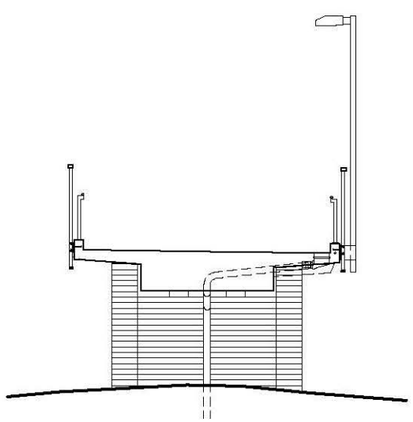
Bicycle Ramp - Elevations



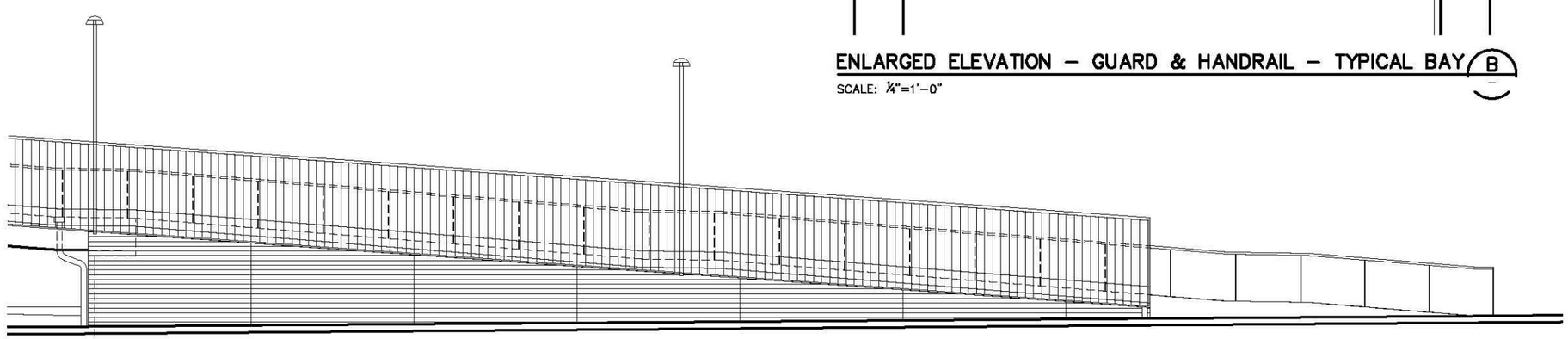
EXTERIOR ELEVATION – BIKE RAMP – FLATTENED WEST ELEVATION (A)
N21–AE240
N21–AL207
SCALE: 1/8"= 1'–0"



ENLARGED ELEVATION – GUARD & HANDRAIL – TYPICAL BAY (B)
SCALE: 1/4"=1'–0"

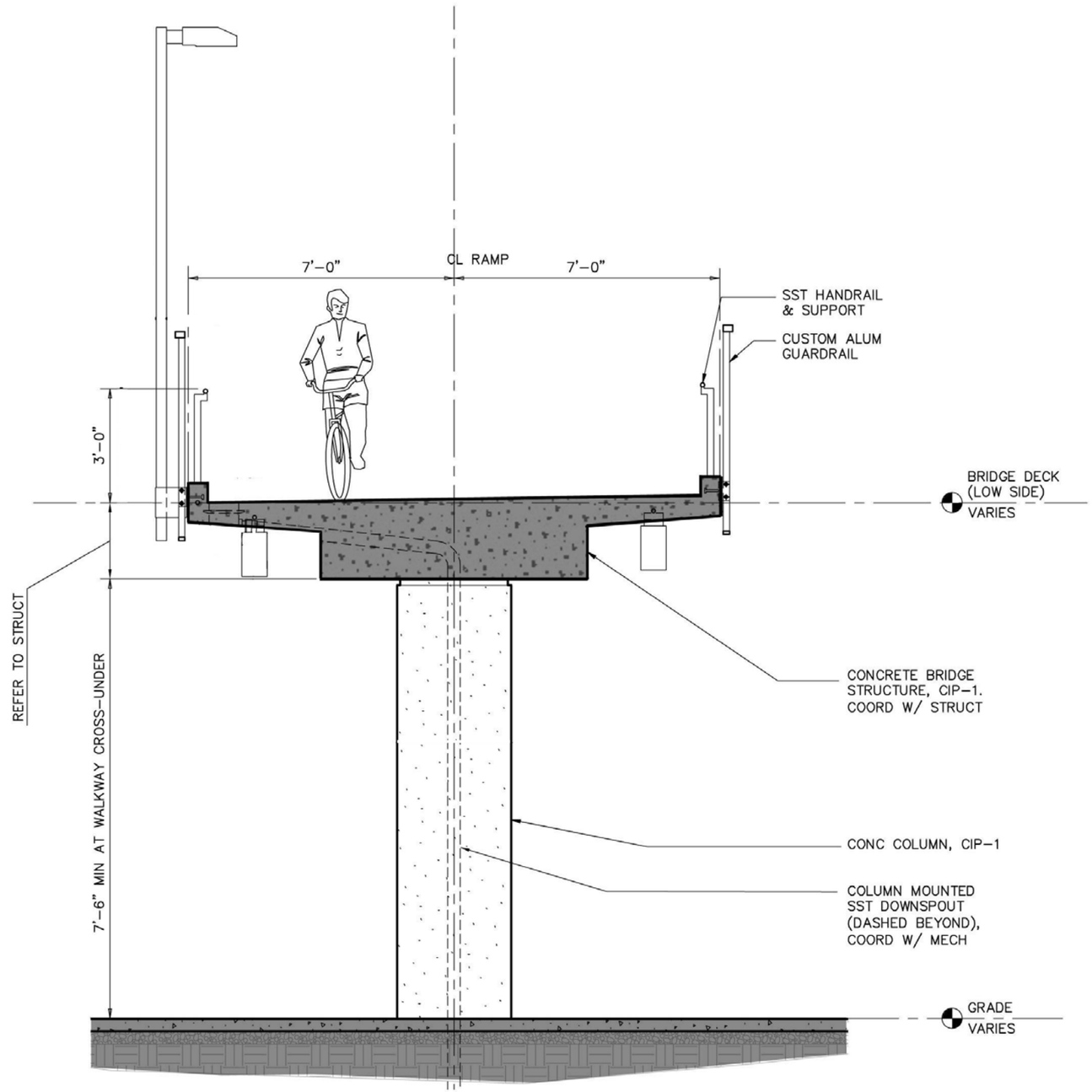


ENLARGED ELEVATION (C)
SCALE: 1/4"=1'–0"

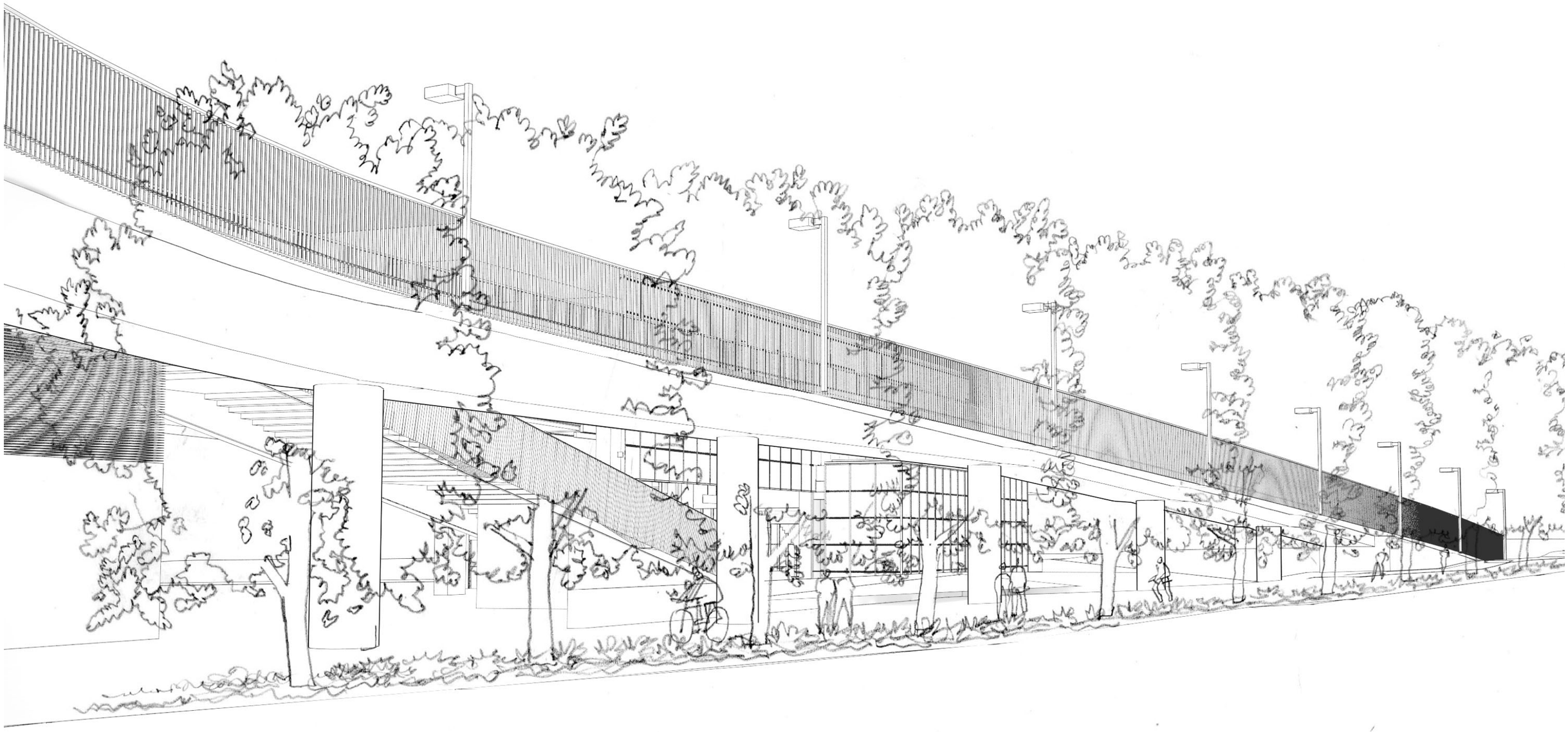


ENLARGED ELEVATION – GUARD & HANDRAIL LAYOUT (D)
SCALE: 1/4"=1'–0"

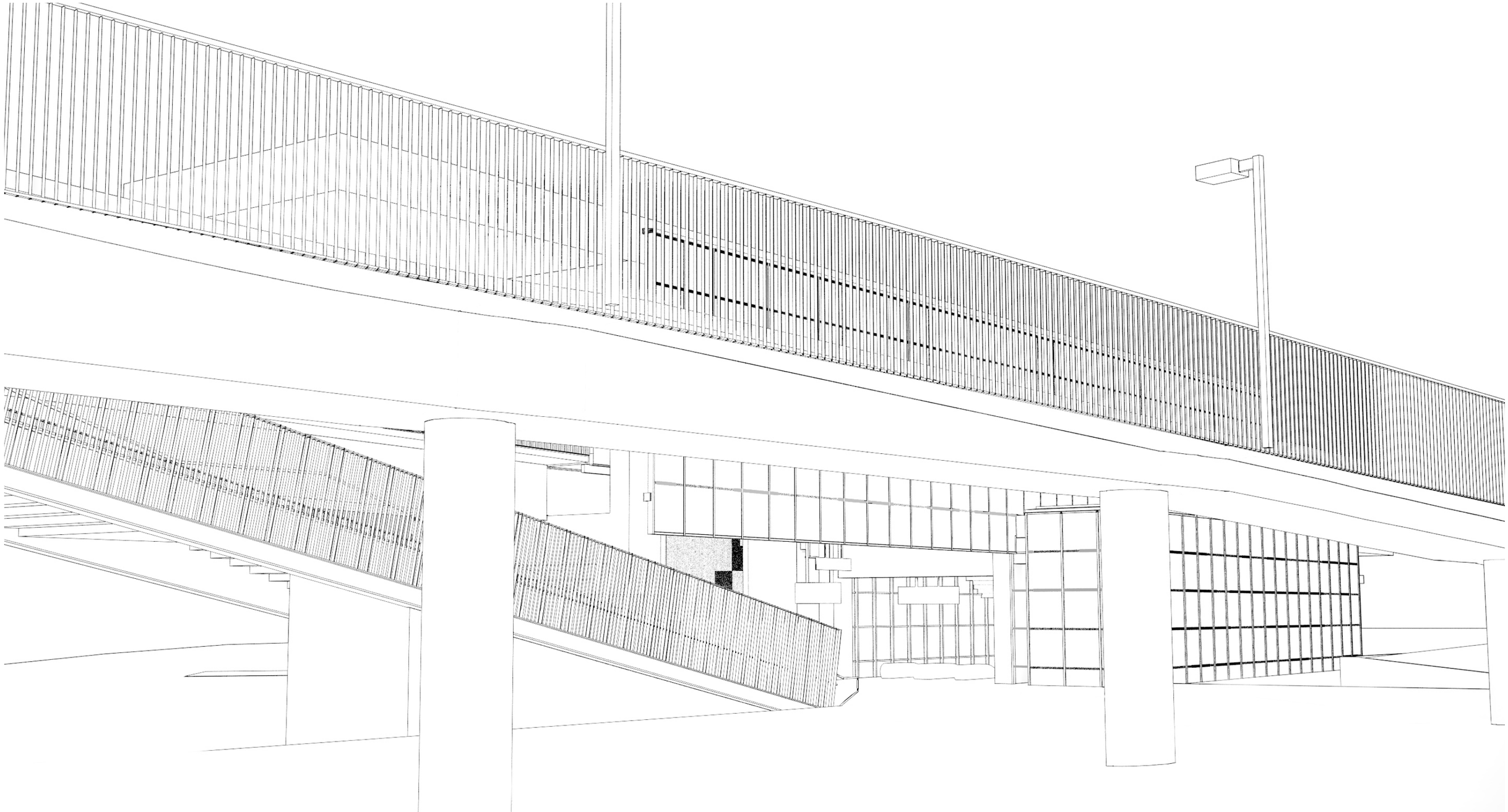
Bicycle Ramp - Section



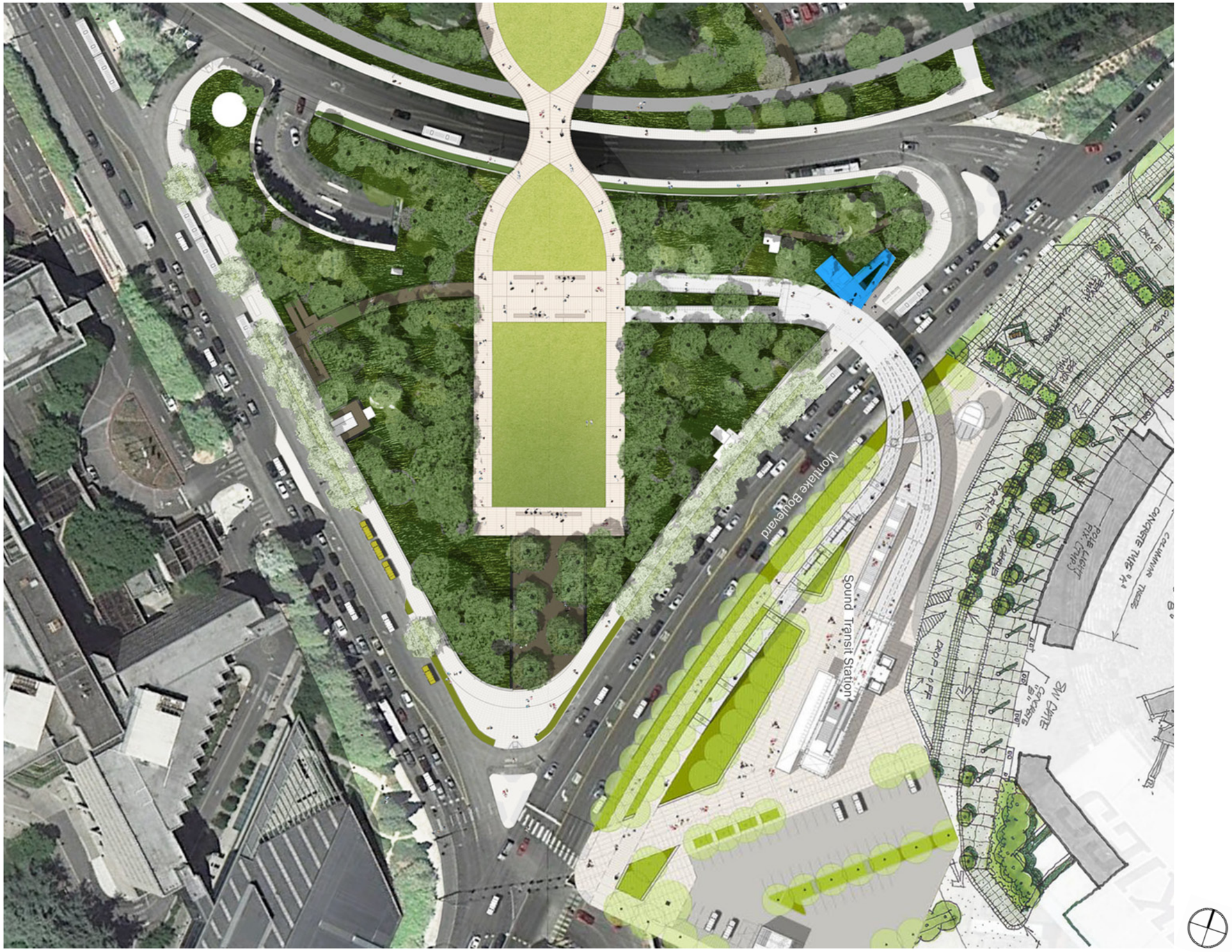
Bicycle Ramp - View



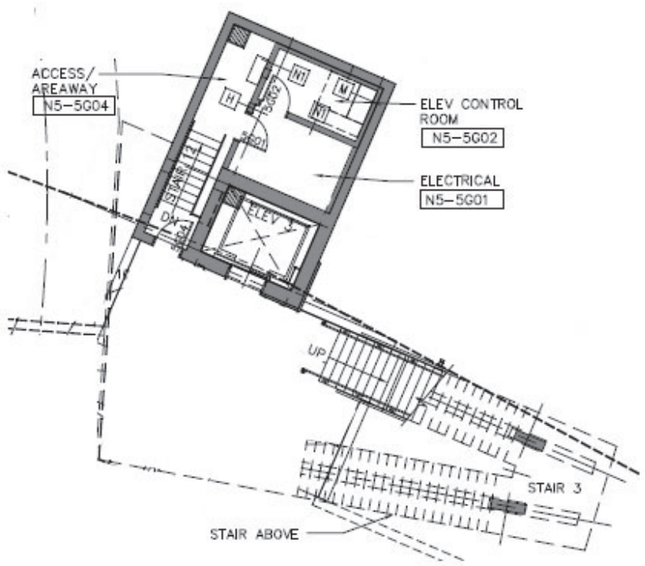
Bicycle Ramp - Close-up View



Elevator / Stair



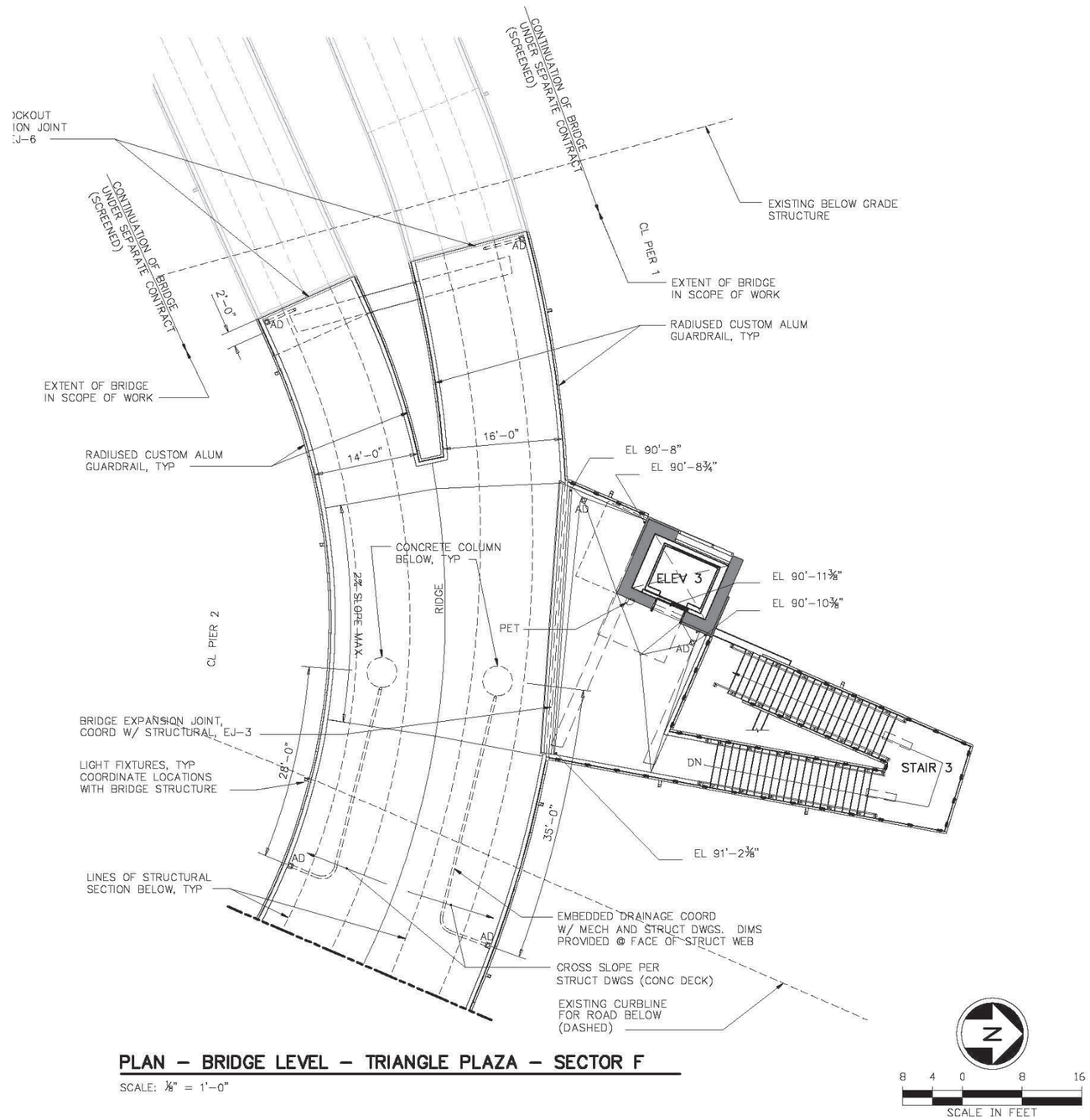
Elevator / Stair - Plans



PLAN – GRADE LEVEL
ELEVATOR 3 & STAIR 3

7
N21-AG209

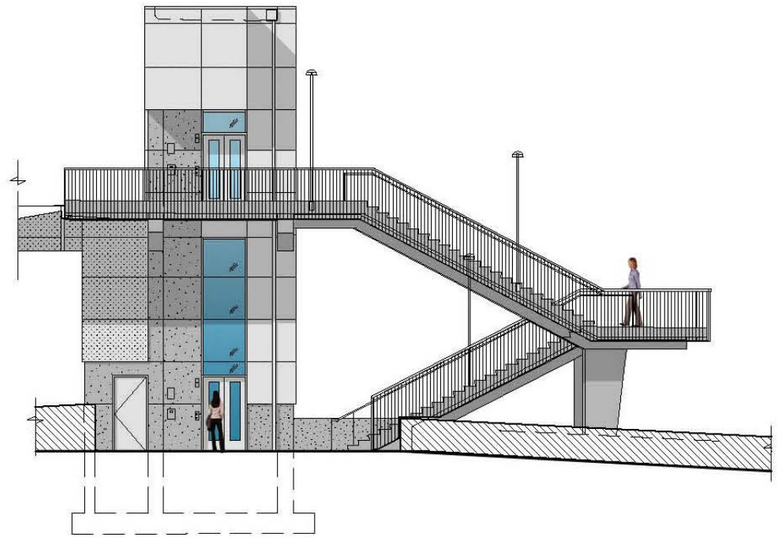
SCALE: ⅛" = 1'-0"



PLAN – BRIDGE LEVEL – TRIANGLE PLAZA – SECTOR F

SCALE: ⅛" = 1'-0"

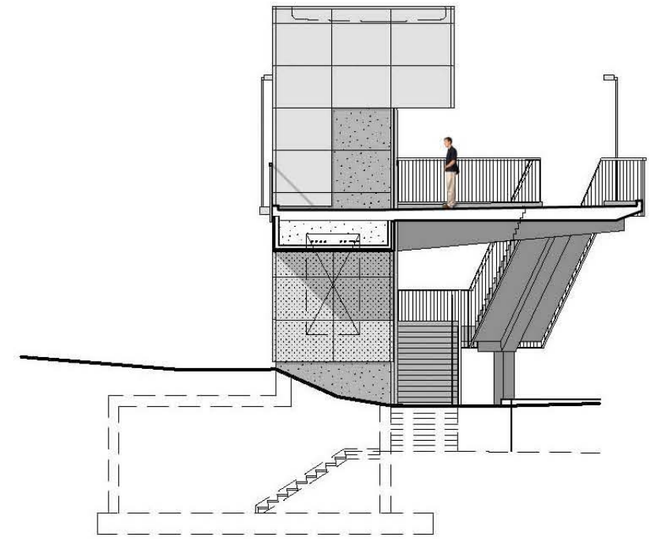
Elevator / Stair - Elevations



EXTERIOR ELEVATION – ELEVATOR 3/
STAIR 3 – NORTH–EAST ELEVATION

SCALE: 1/8" = 1'–0"

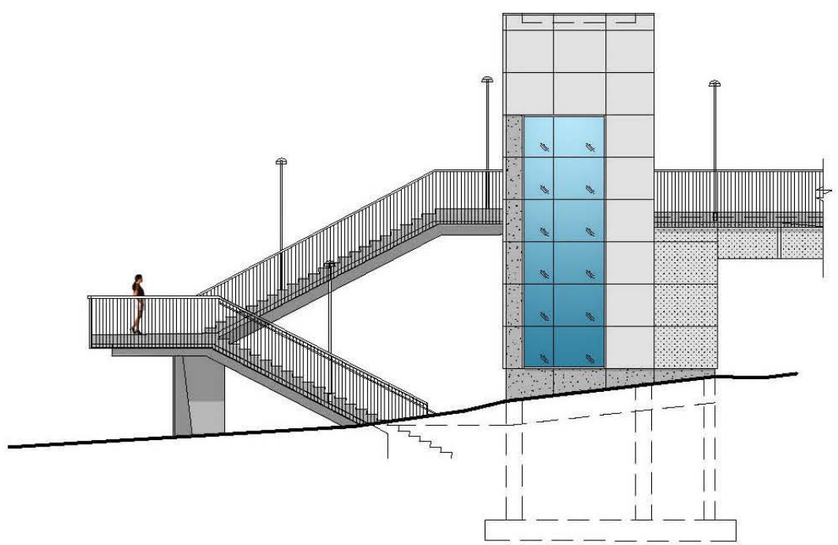
A
N21–AE230
N21–AG209



EXTERIOR ELEVATION – ELEVATOR 3/
STAIR 3 – SOUTH– ELEVATION

SCALE: 1/8" = 1'–0"

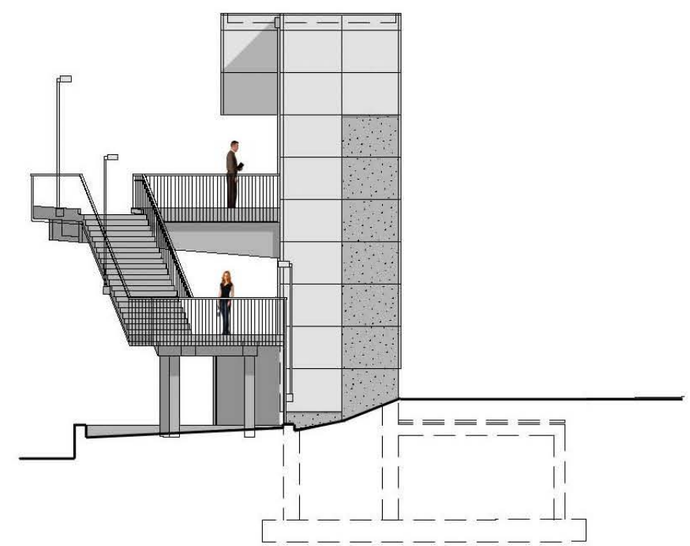
B
N21–AE230
N21–AG209



EXTERIOR ELEVATION – ELEVATOR 3/
STAIR 3 – SOUTH–WEST ELEVATION

SCALE: 1/8" = 1'–0"

C
N21–AE230
N21–AG209

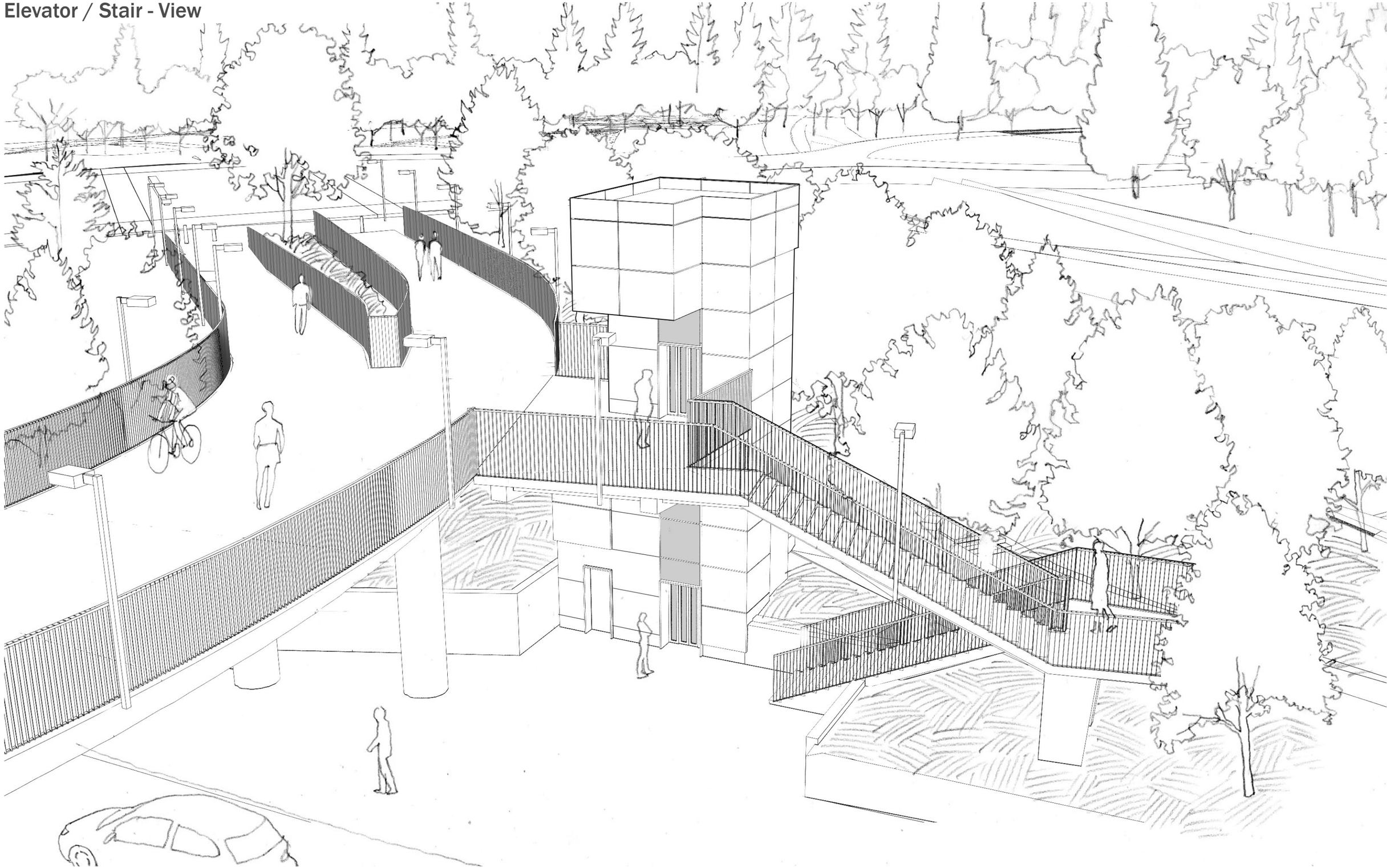


EXTERIOR ELEVATION – ELEVATOR 3/
STAIR 3 – NORTH– ELEVATION

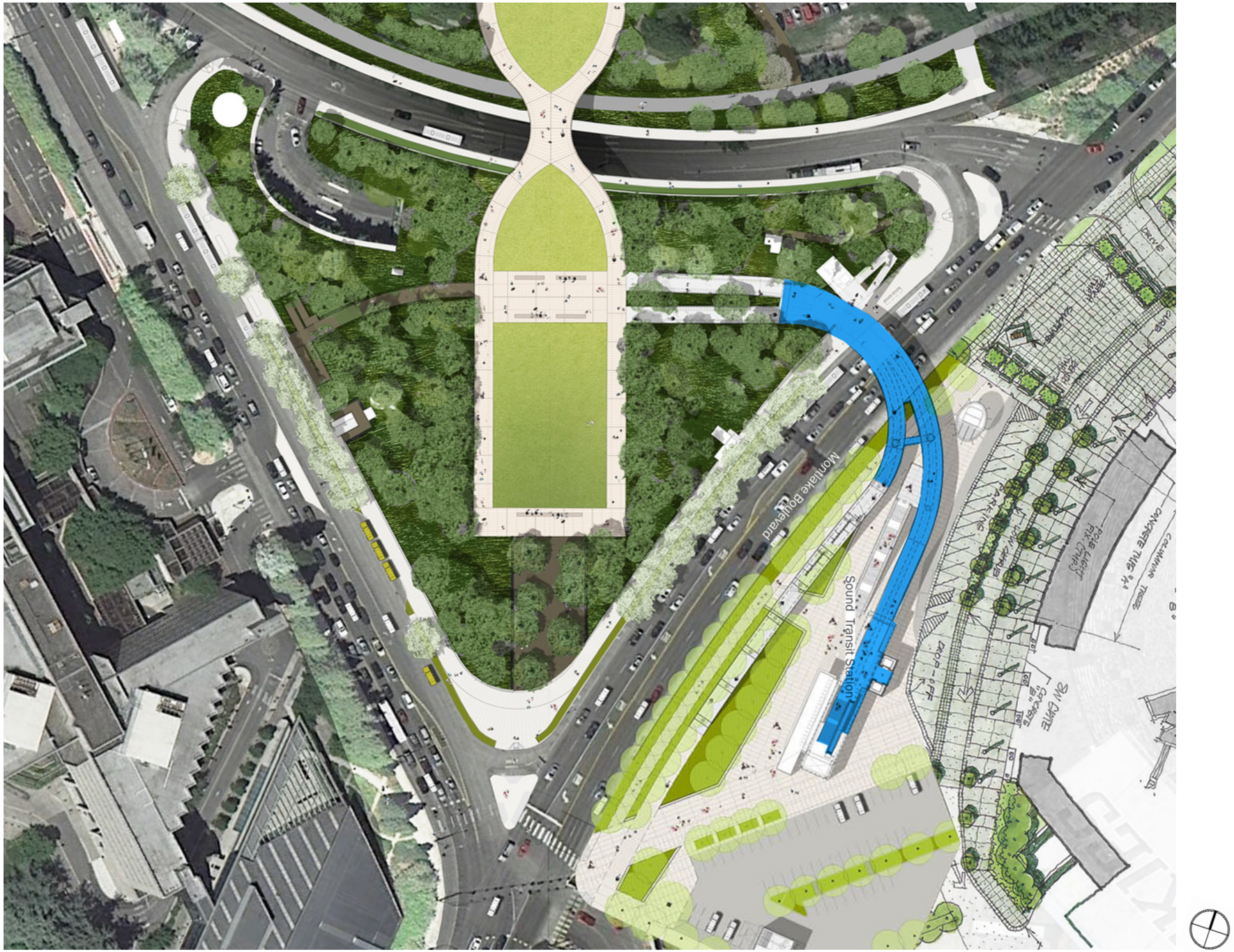
SCALE: 1/8" = 1'–0"

D
N21–AE230
N21–AG209

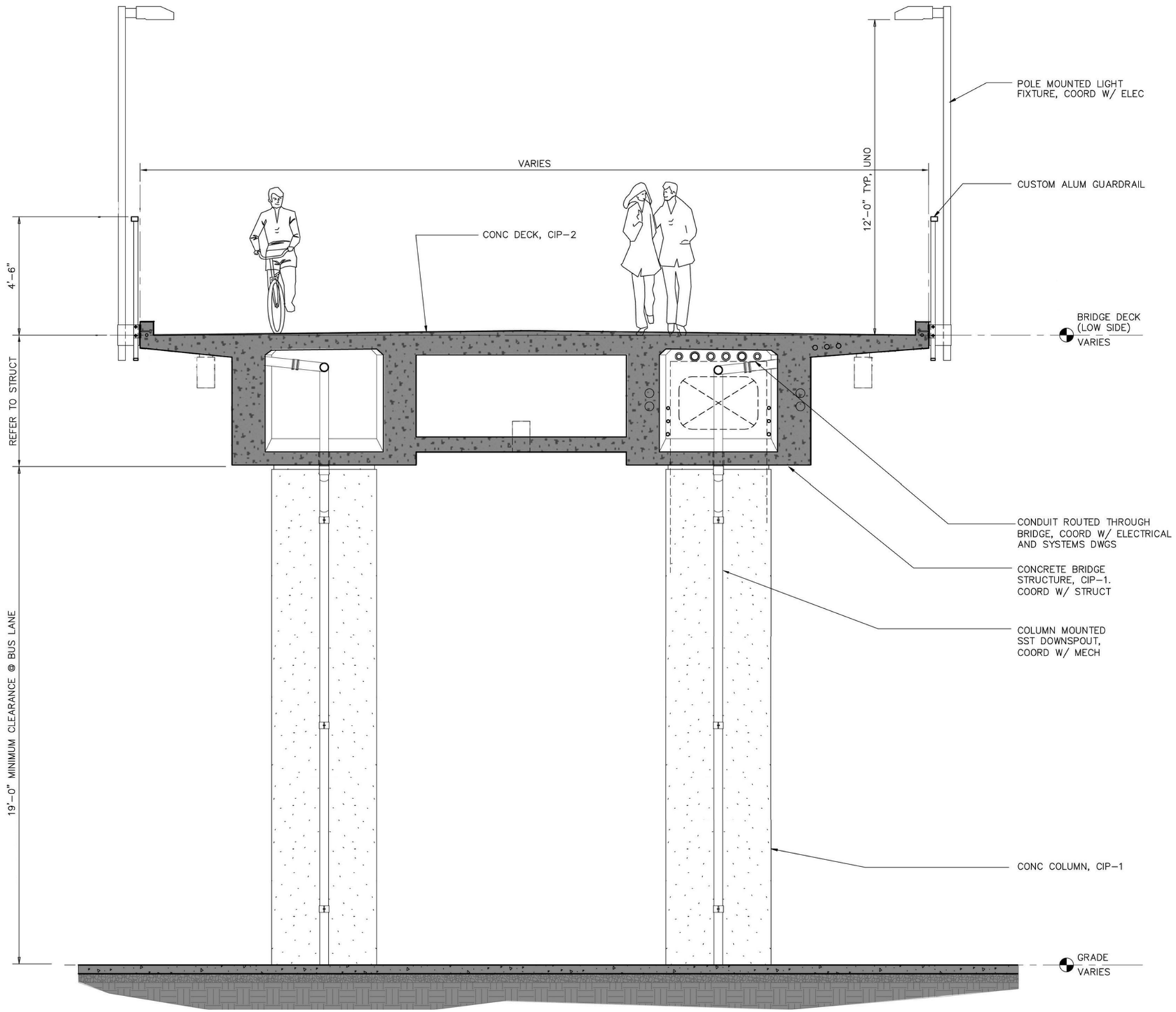
Elevator / Stair - View

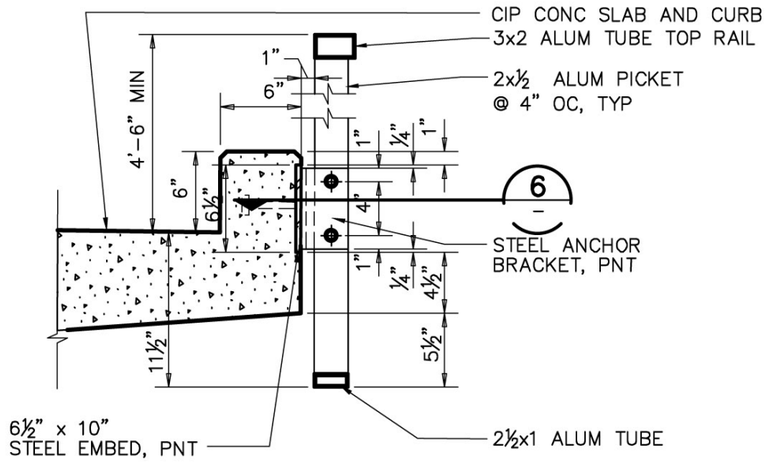


Bridge Deck



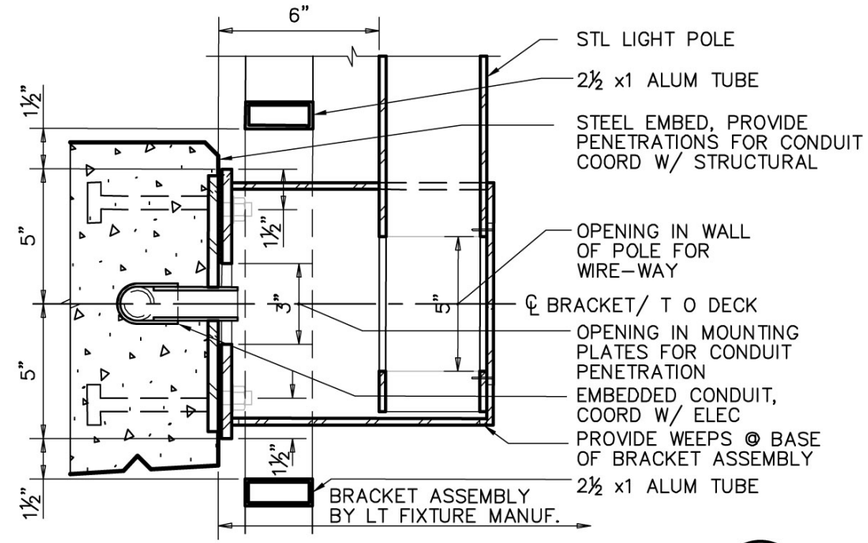
Typical Bridge Section





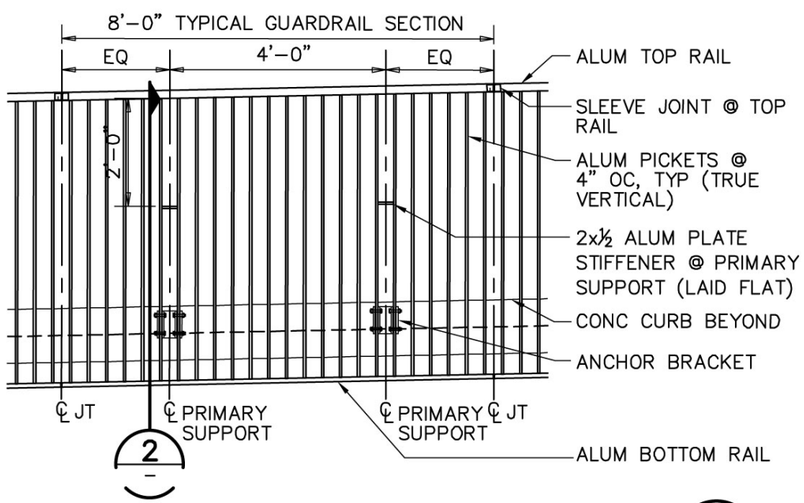
TYPICAL GUARDRAIL DETAIL 2

SCALE: 1 ½" = 1'-0"



DETAIL @ LIGHT POLE MOUNT 11

SCALE: 3" = 1'-0"

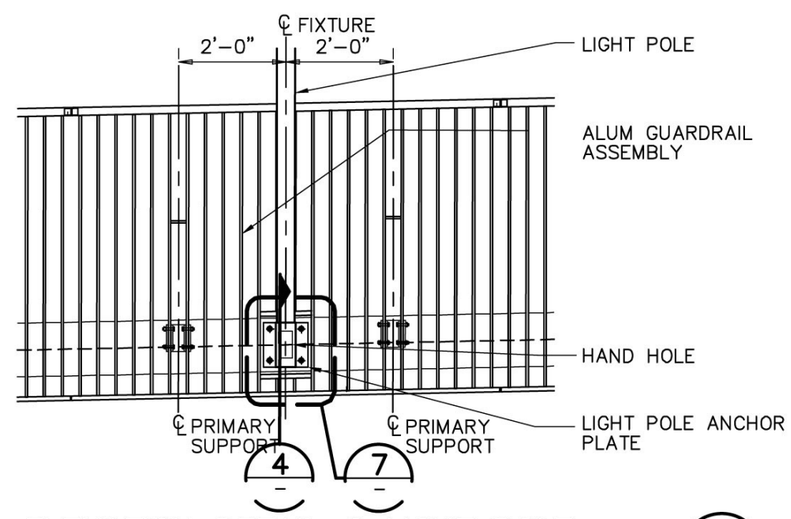


ELEVATION DETAIL @ GUARDRAIL 1

SCALE: ½" = 1'-0"

N21-AD570

N21-AD611



ELEVATION DETAIL @ LIGHT POLE 3

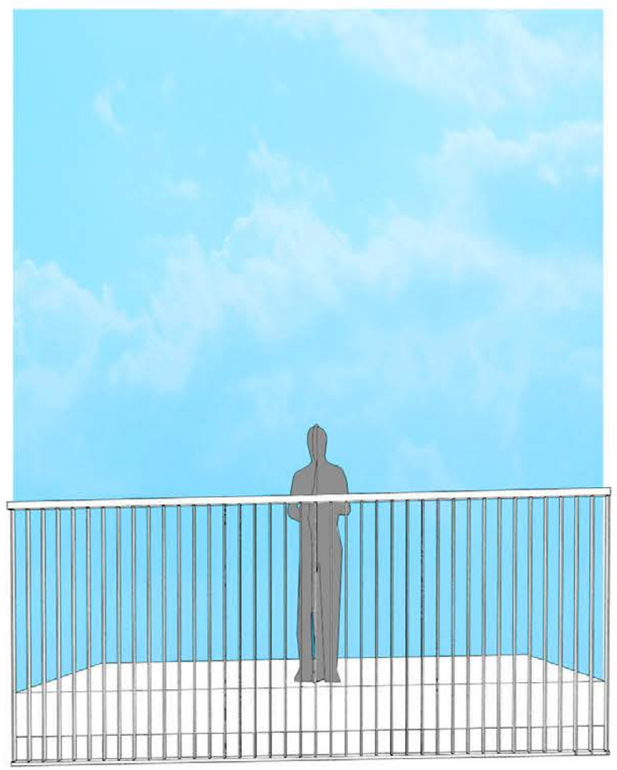
SCALE: ½" = 1'-0"

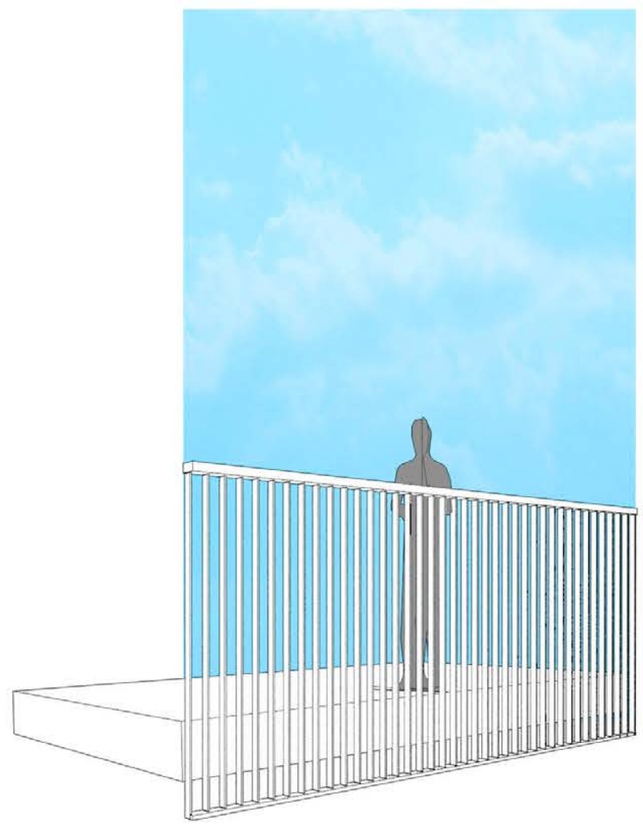
N21-AD570

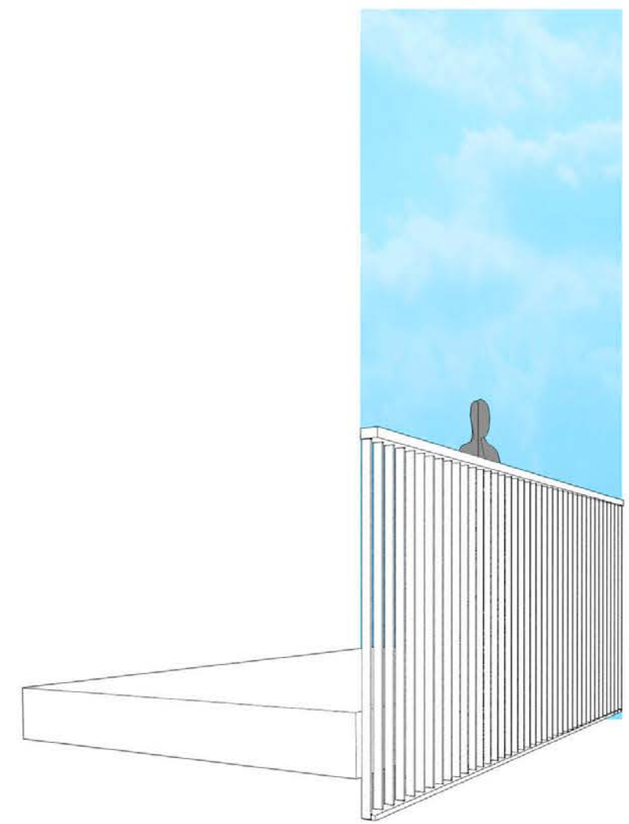
N21-AD560

Bridge View

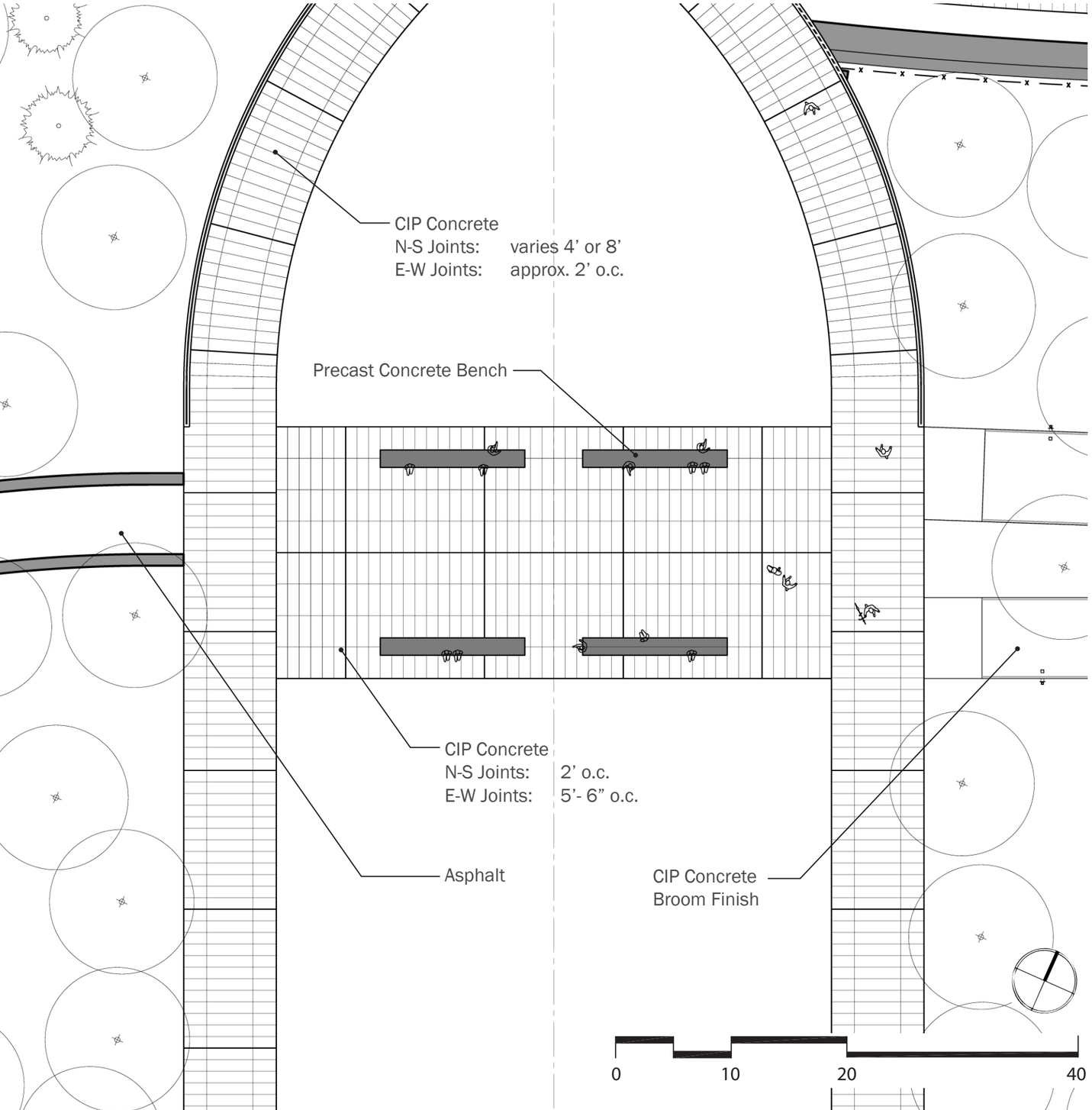
Railing Views

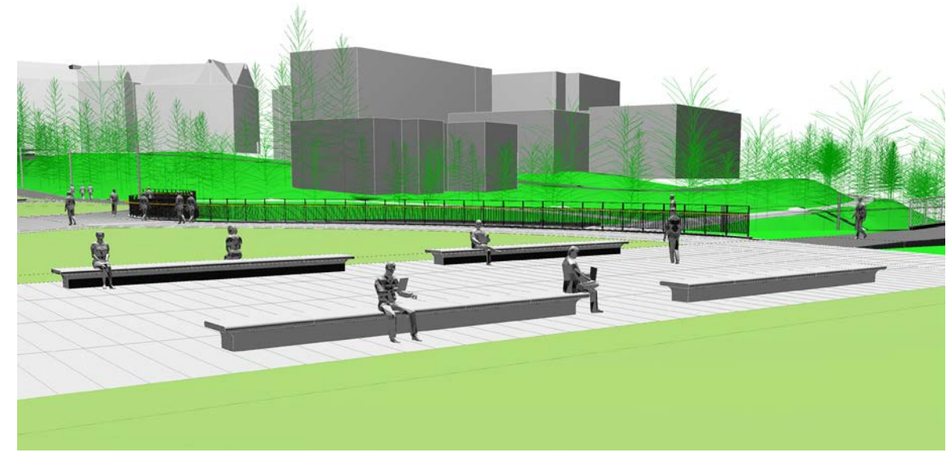


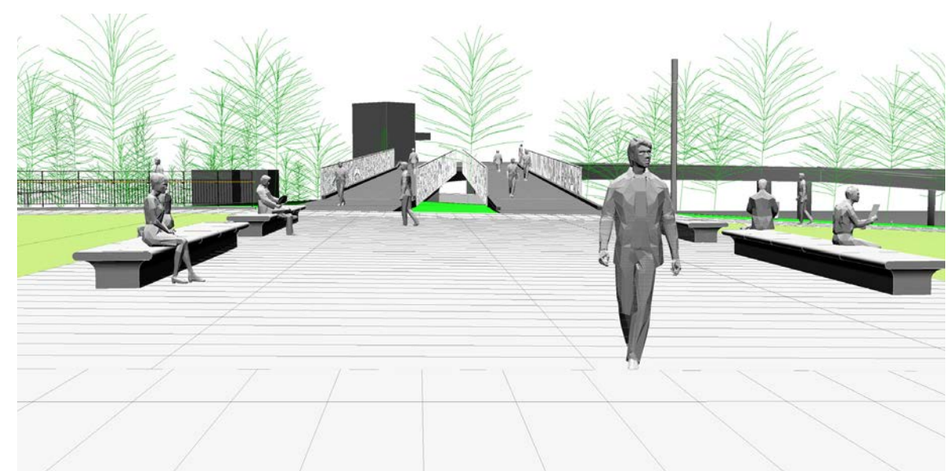




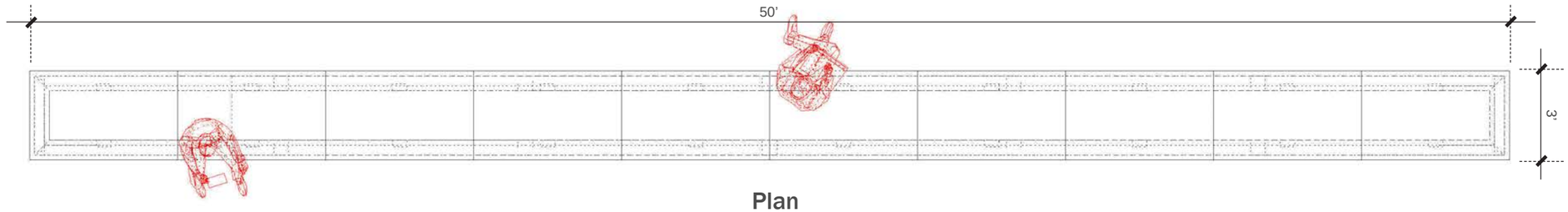
2 Mixing Plaza - South



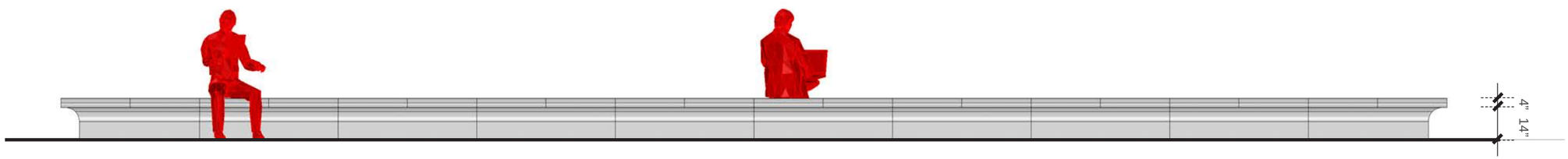




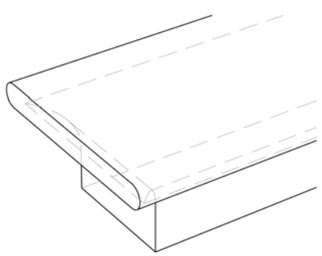
Bench - Precast Concrete Bench

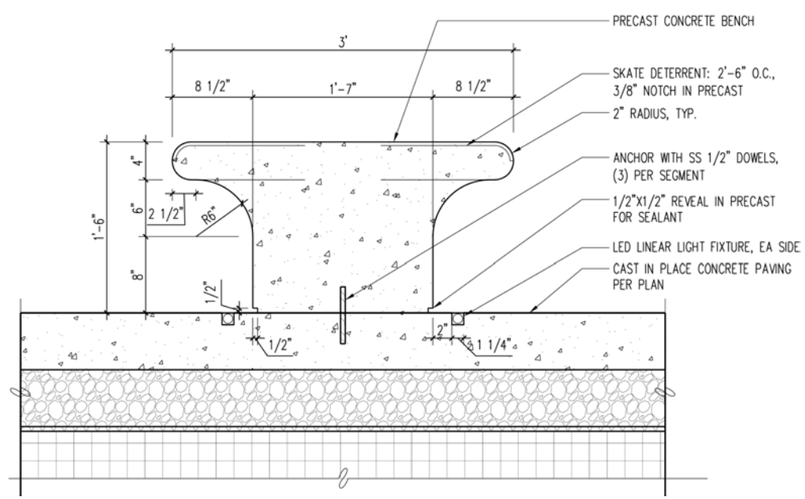


Plan

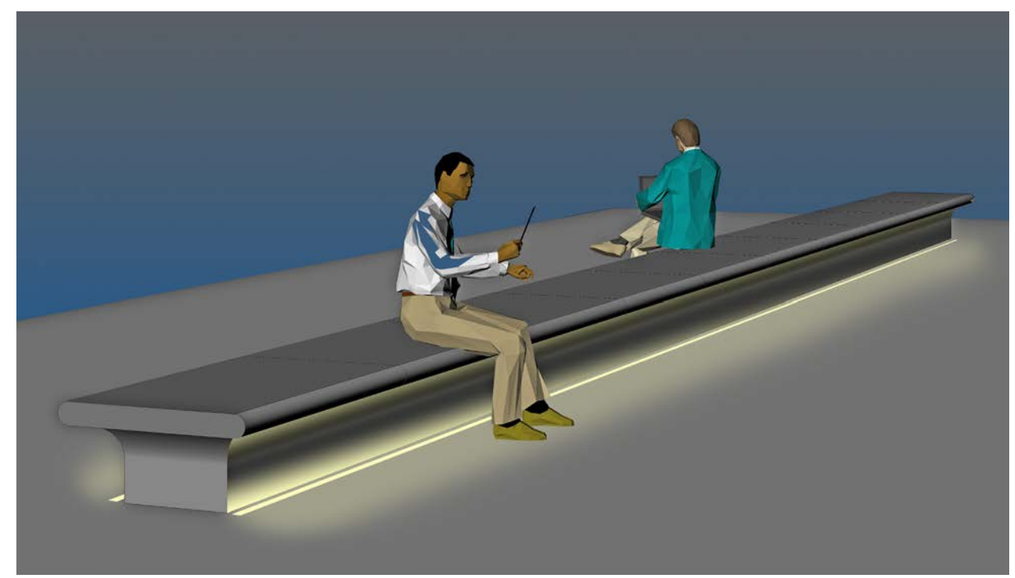


Elevation

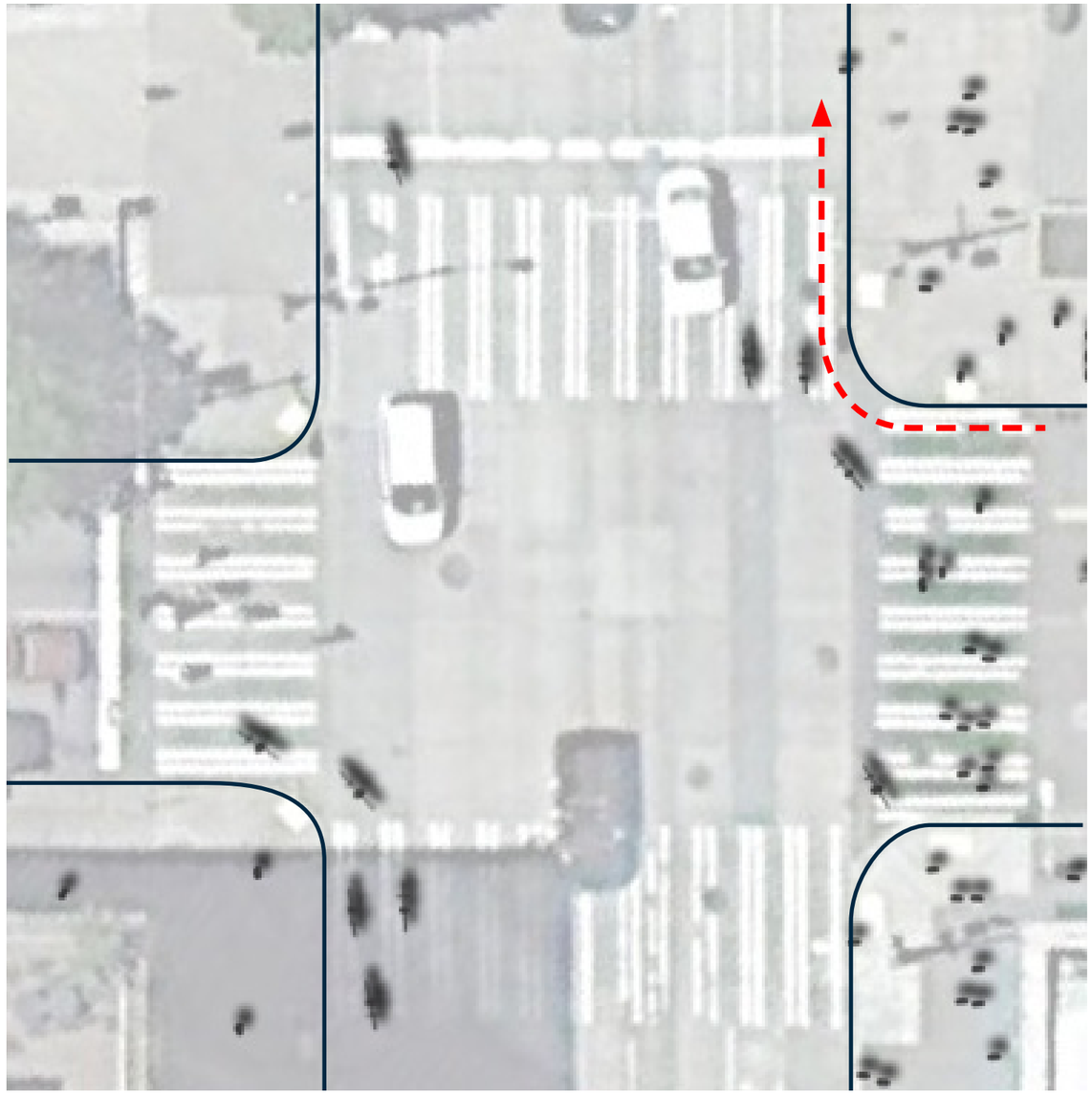




Detail
Scale 3/4" = 1' - 0"

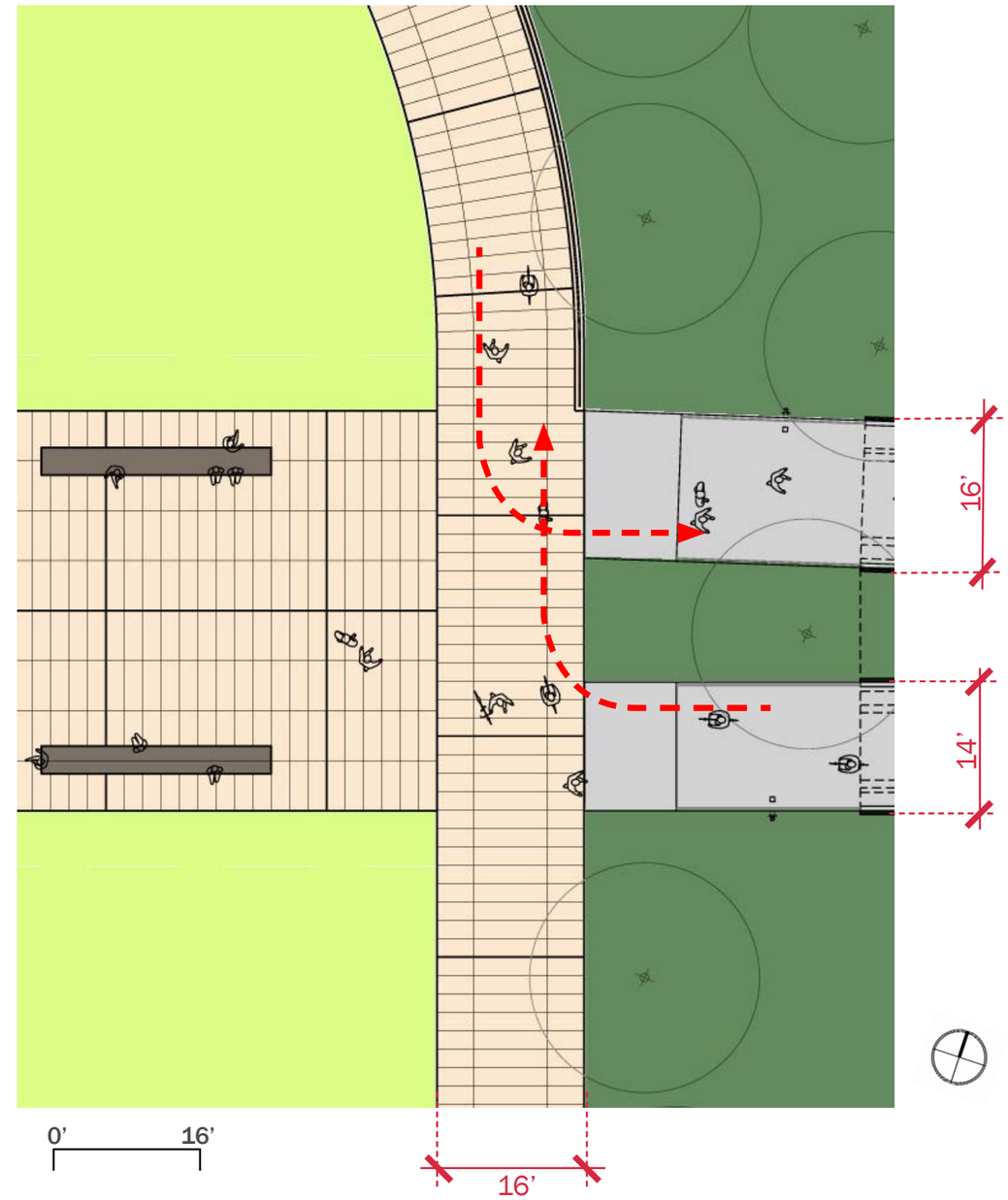


Pedestrian and Bicycle Movement



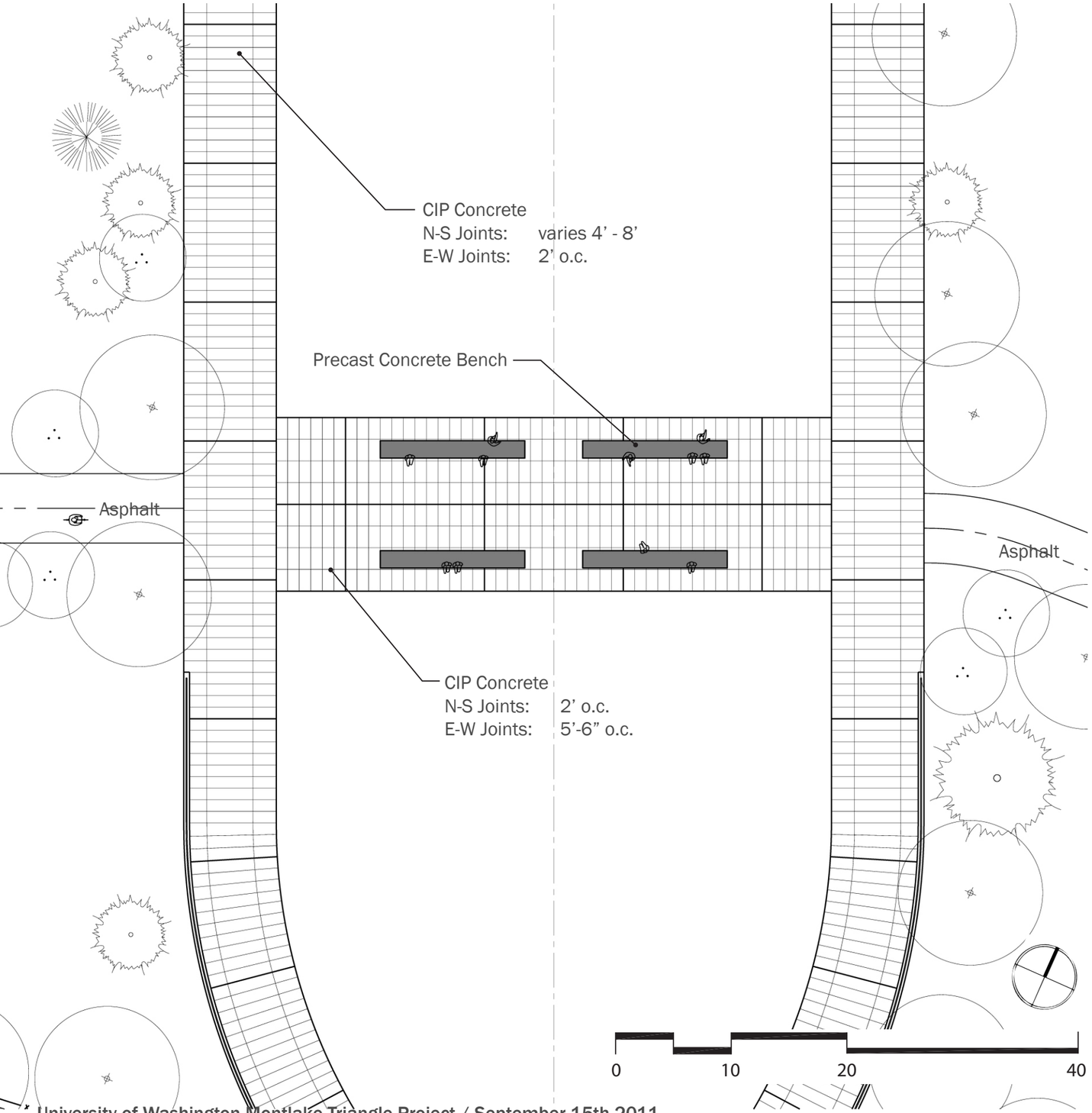
0’ 16’

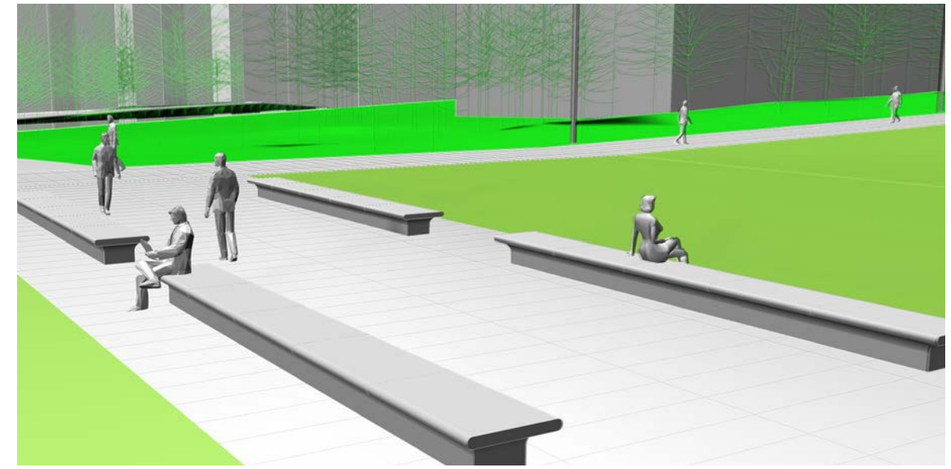
University St + Second Ave

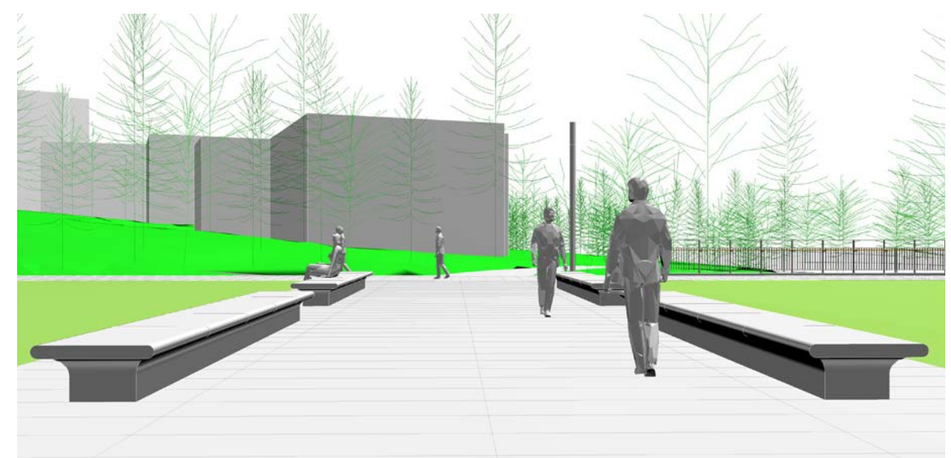


0’ 16’

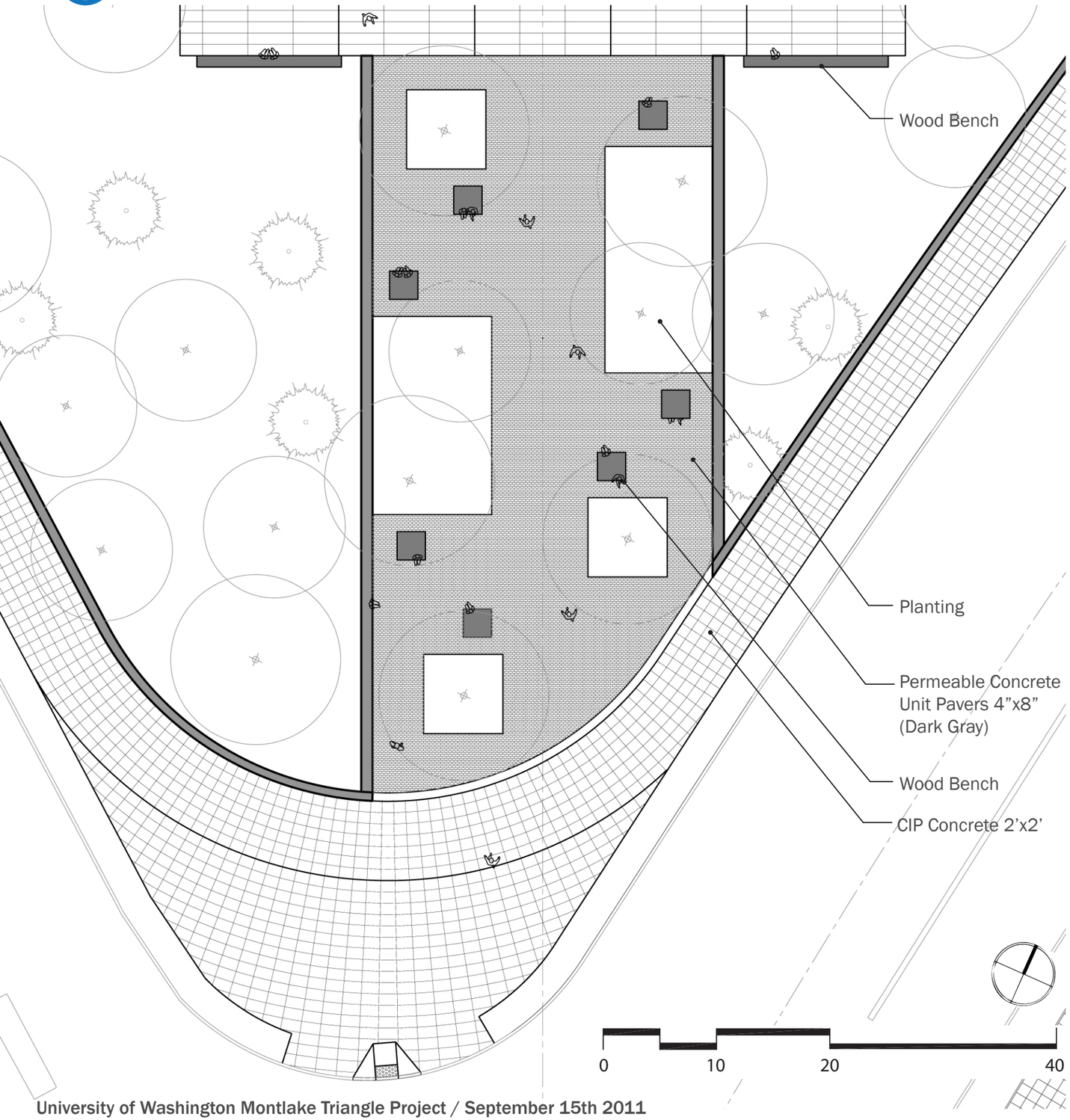
3 Mixing Plaza - North



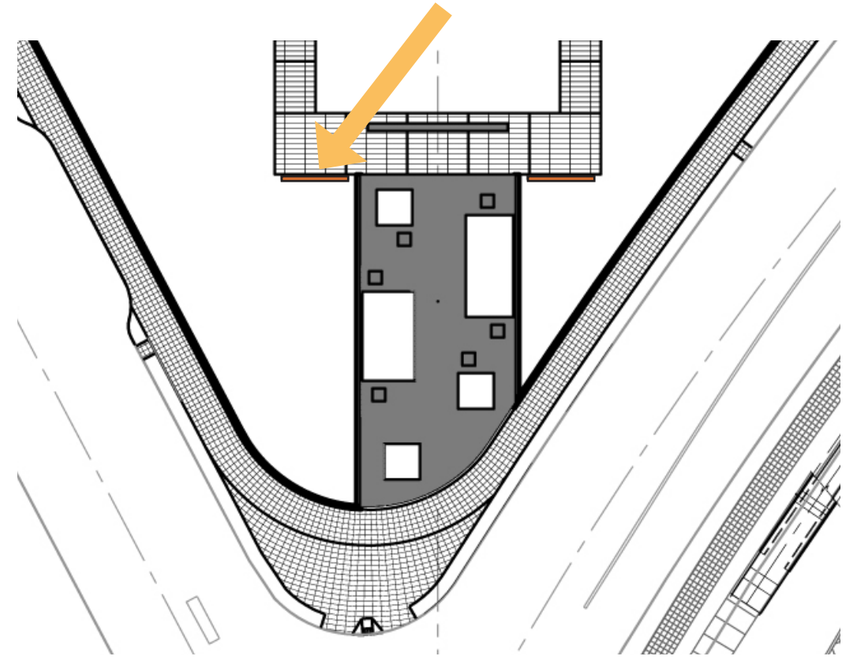


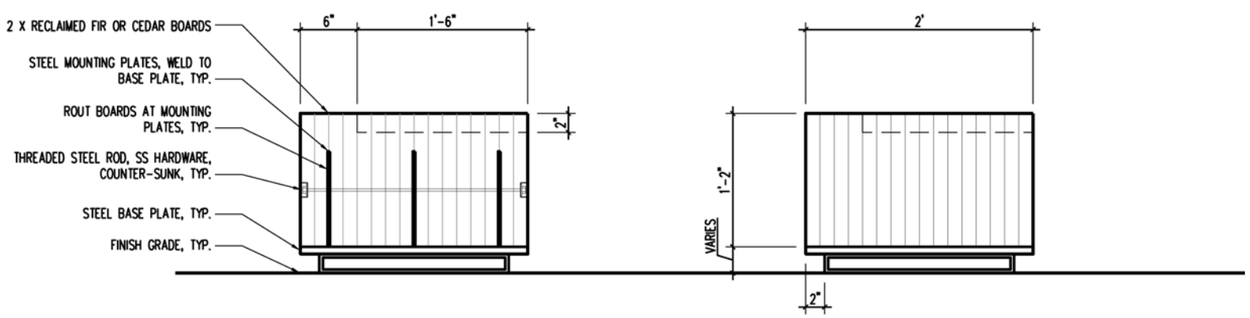


4 Montlake Entry Court

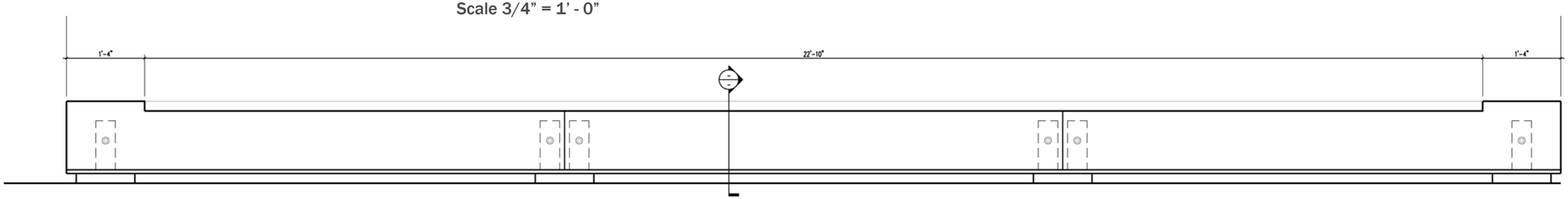


Bench - Wood Bench Type 1



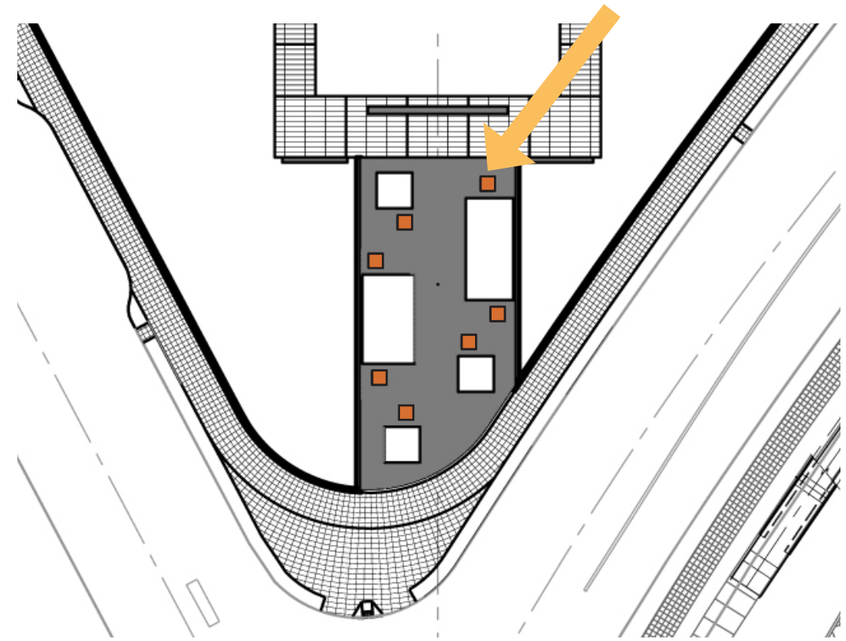


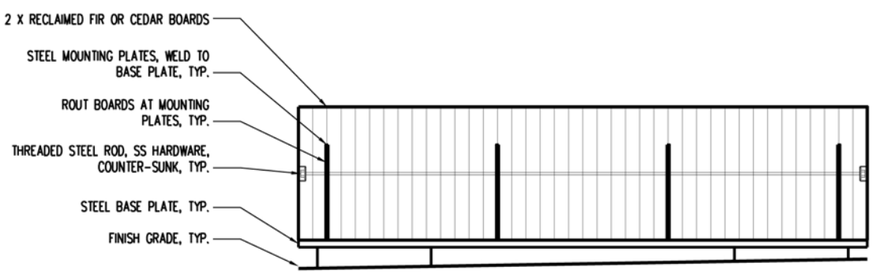
Detail
Scale 3/4" = 1' - 0"



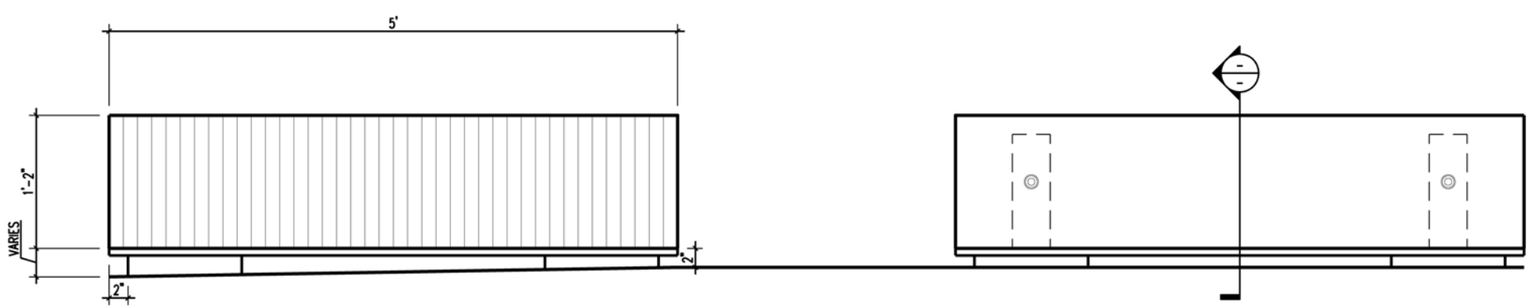
Elevation - NTS

Bench - Wood Bench Type 2





Detail
Scale 3/4" = 1' - 0"



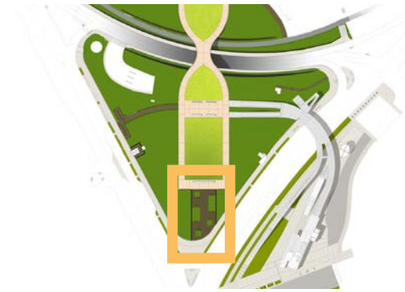
Elevation
Scale 3/4" = 1' - 0"

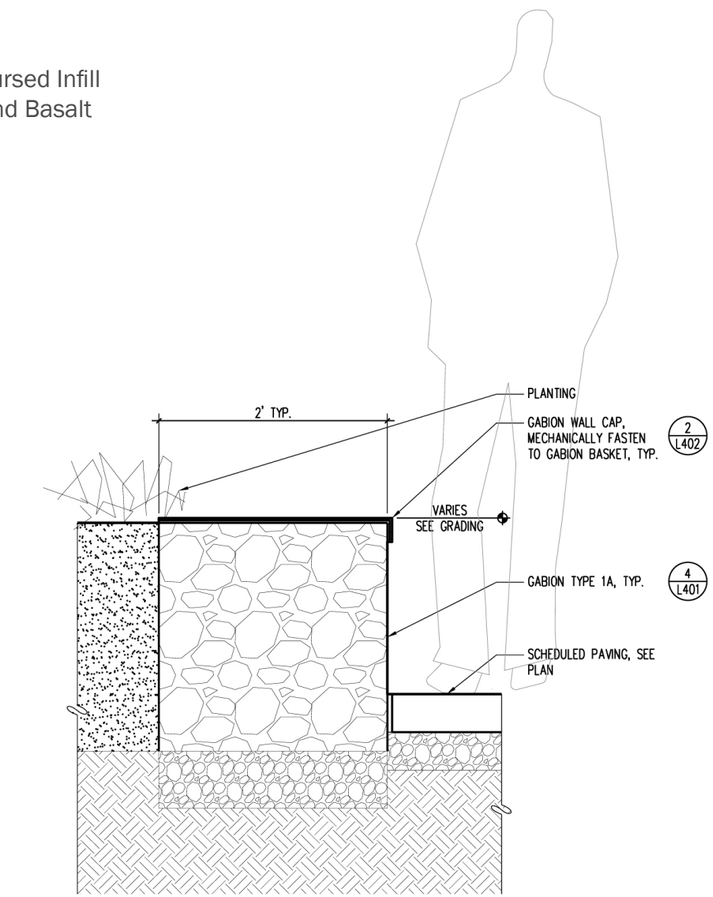
Section/Elevations

Section 1: Entry Court Elevation - Looking East

Section 2: Entry Court Elevation - Looking West

Gabion Walls



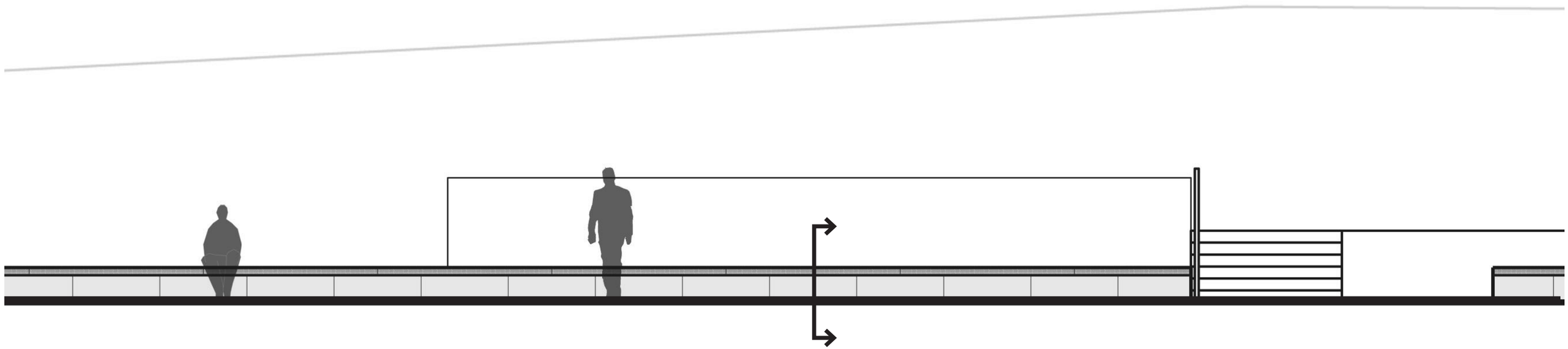


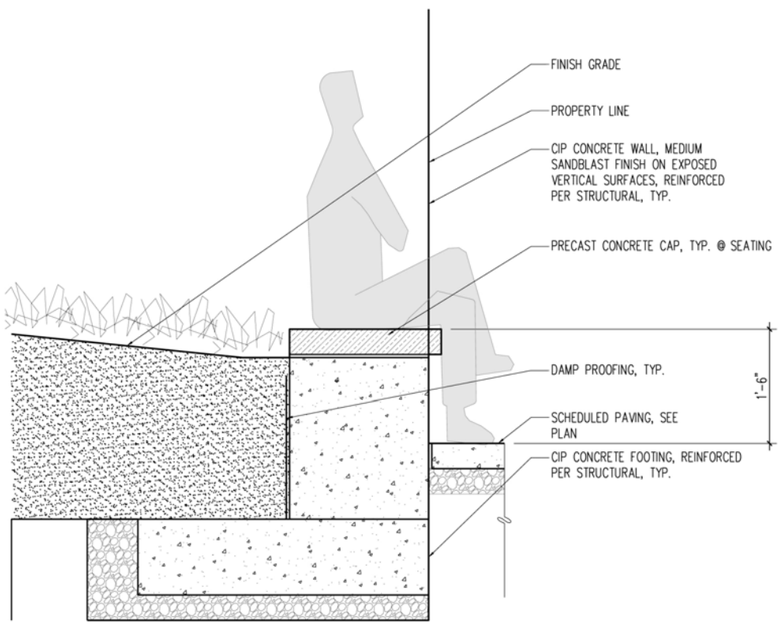
1 DETL: GABION SEAT WALL
SCALE: 3/4" = 1'-0"

Wall Types

Framing Edge

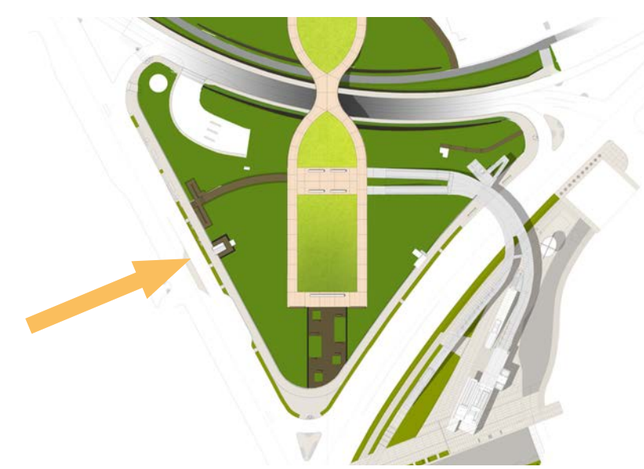
Campus Site Walls - Pacific Street



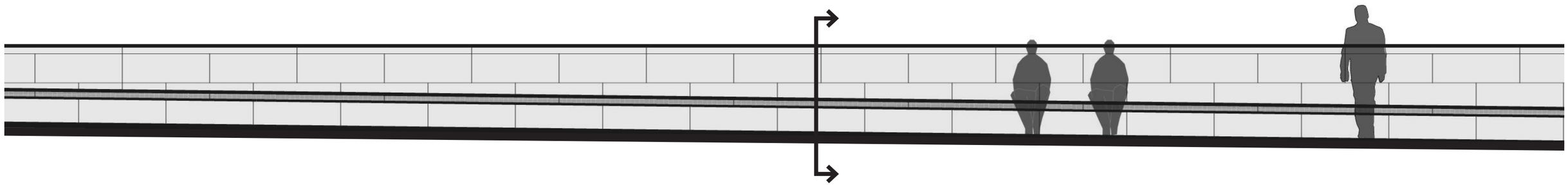


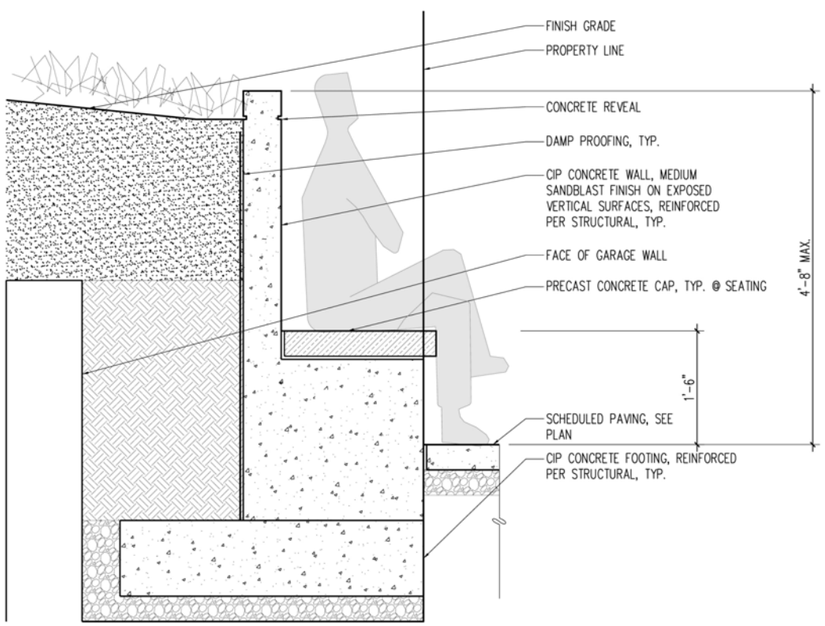
1 DETL: PRECAST SEAT CAP OVER CAST-IN-PLACE CONCRETE WALL
SCALE: 1/2" = 1' - 0"

Elevation



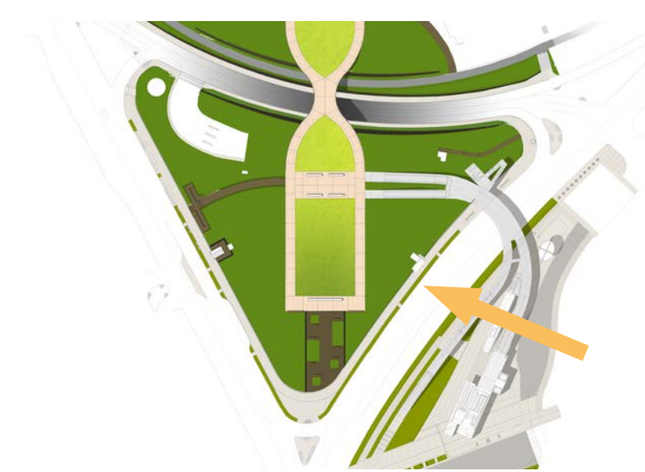
Campus Site Walls - Montlake Blvd. - Option A



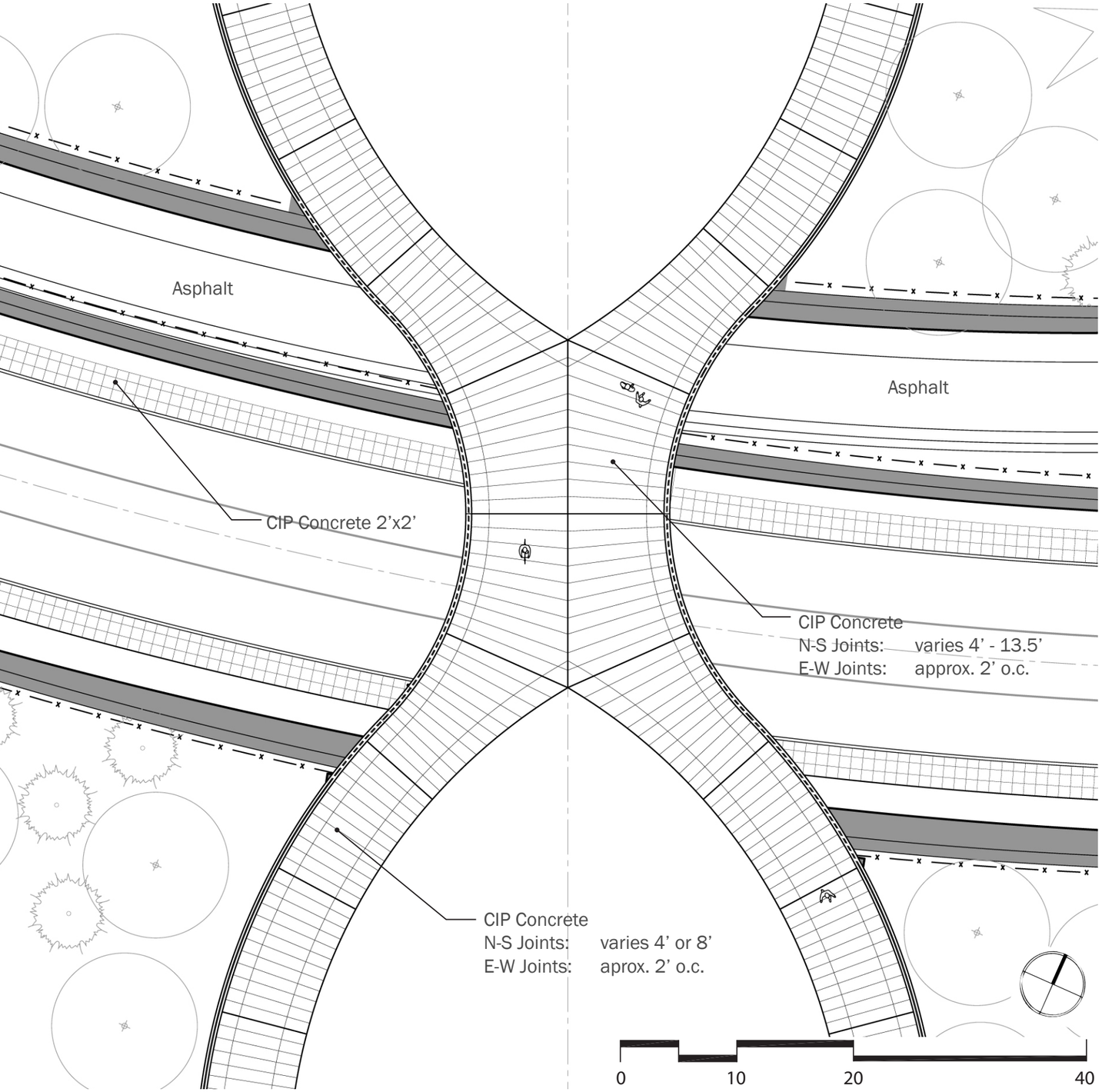


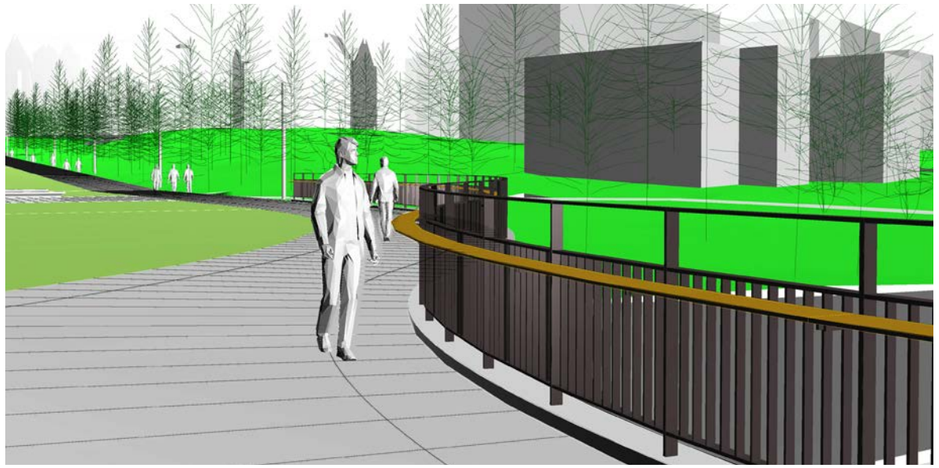
2 DETL: COMBINED SEAT WALL AND CAST-IN-PLACE CONCRETE WALL
SCALE: 1/2" = 1' - 0"

Elevation

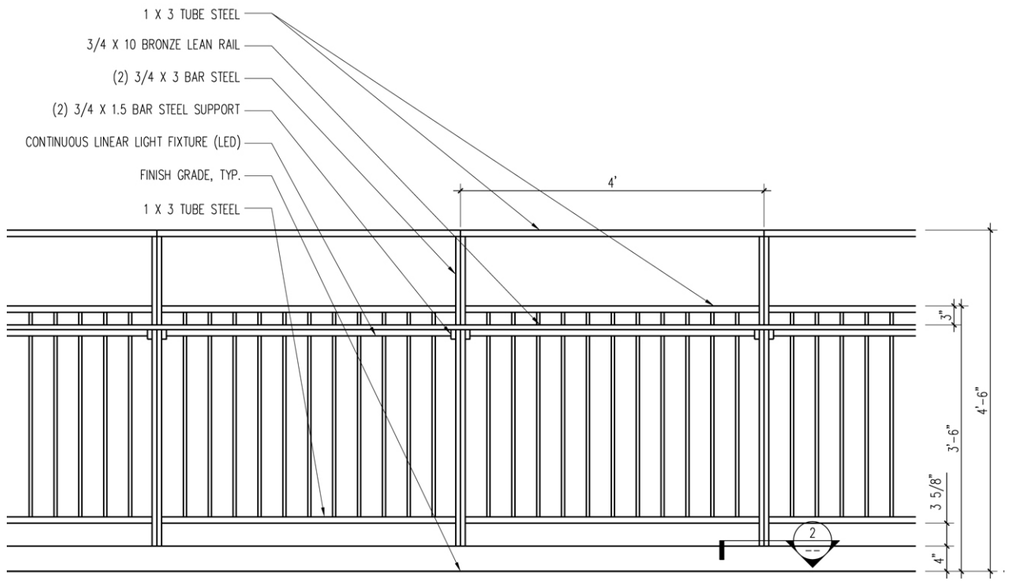


5 Pacific Place Landbridge and Walls



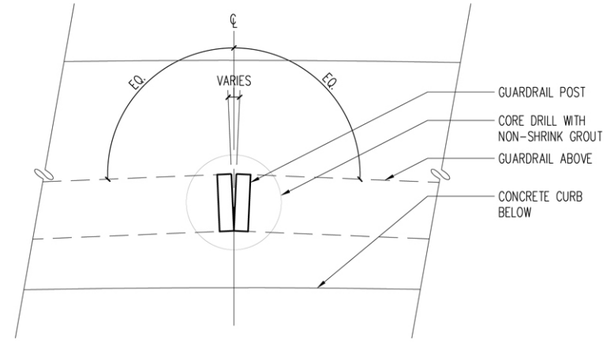


Railing - Type RA

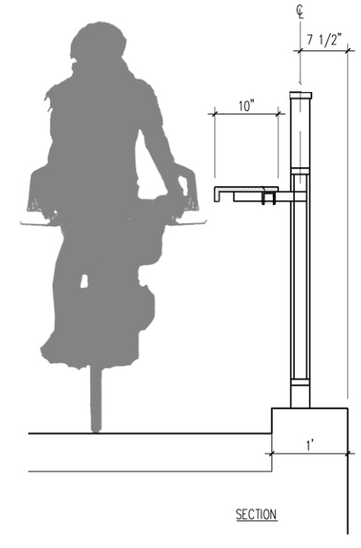


ELEVATION

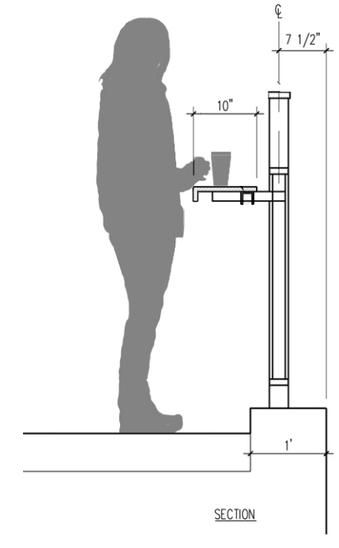
1 DETL: LANDBRIDGE GUARDRAIL TYPE RA
SCALE: 1" = 1'-0"



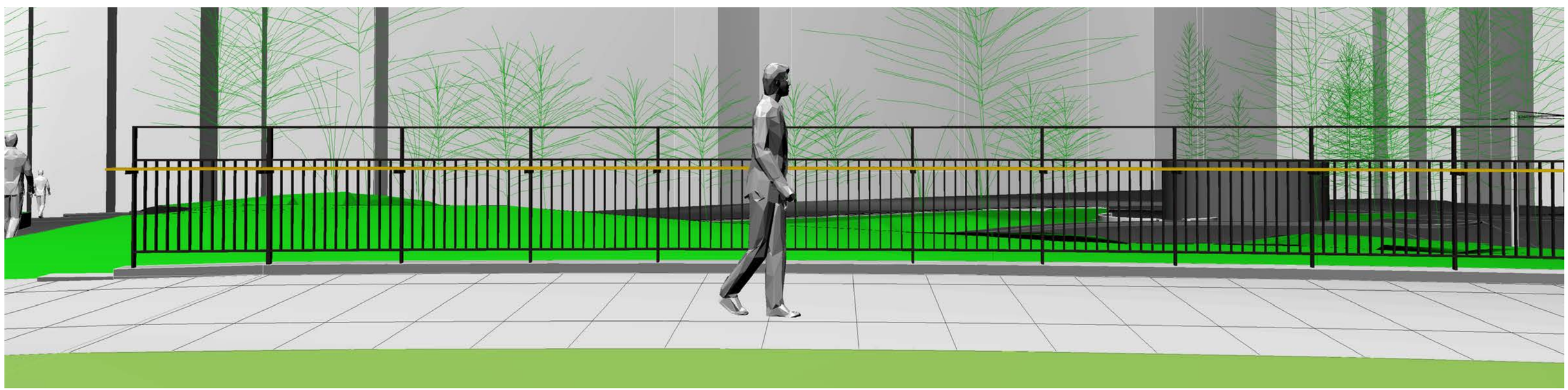
2 DETL: GUARDRAIL TYPE RA AT POST
SCALE: 3" = 1'-0"

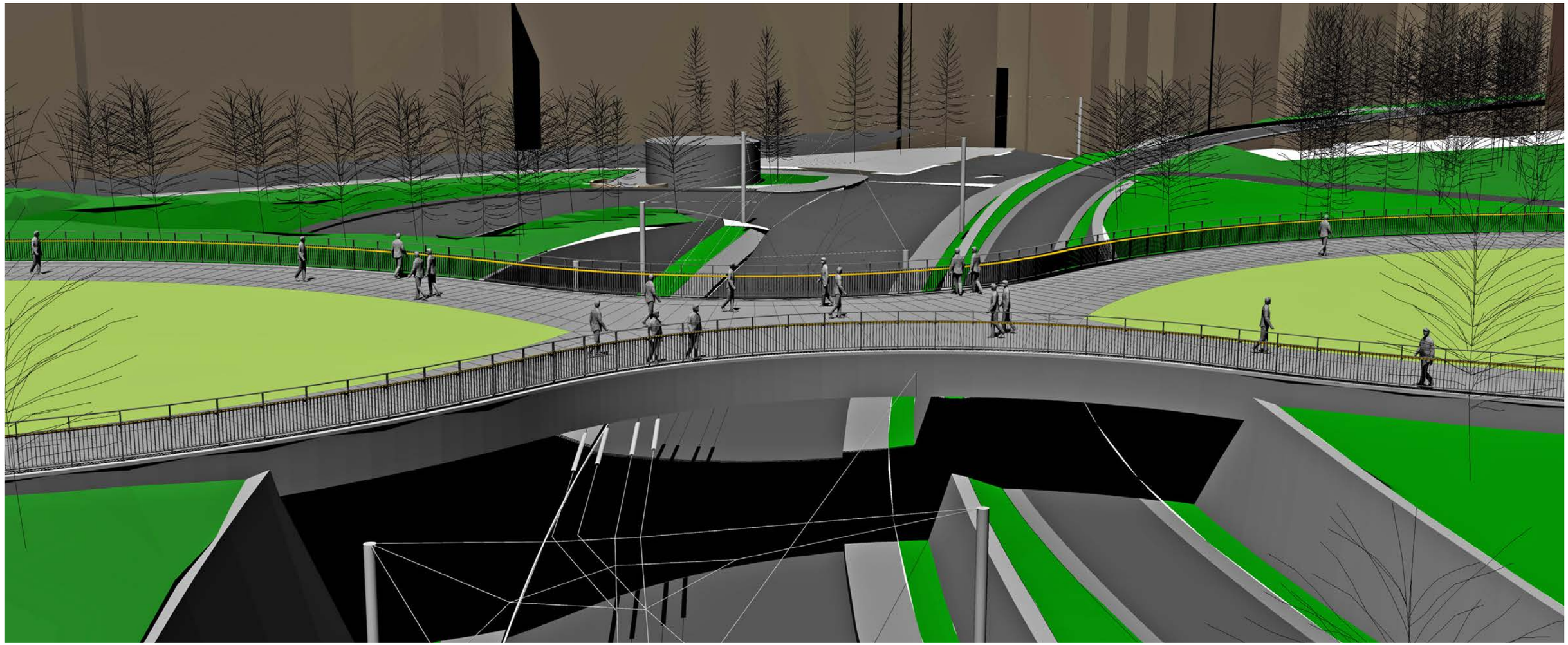


SECTION

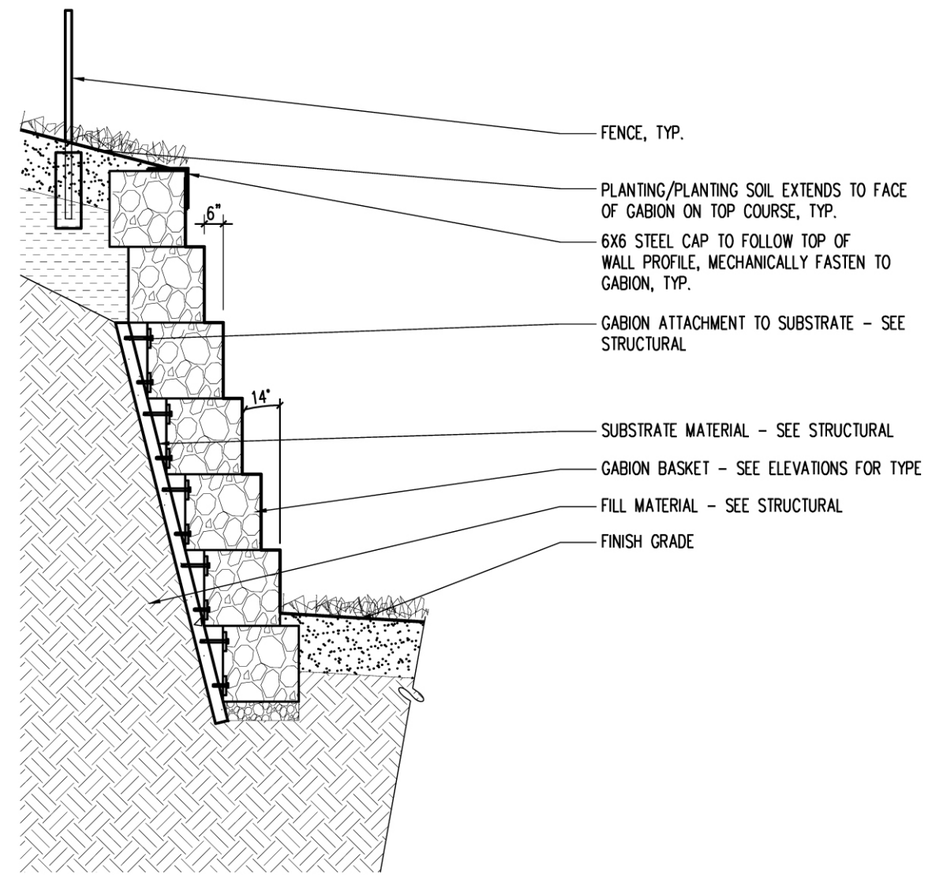


SECTION



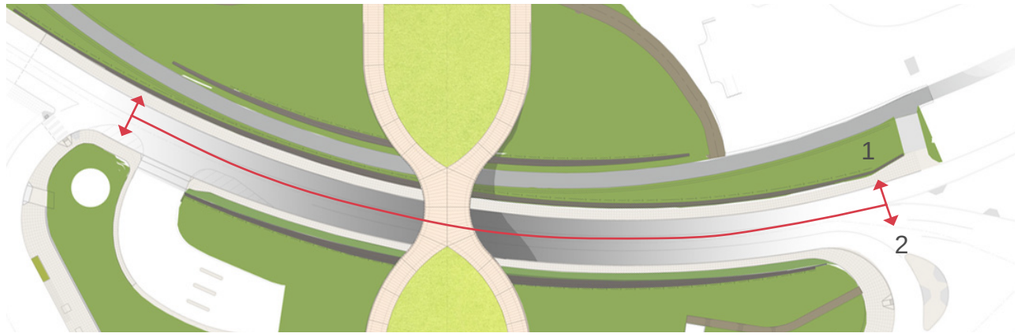


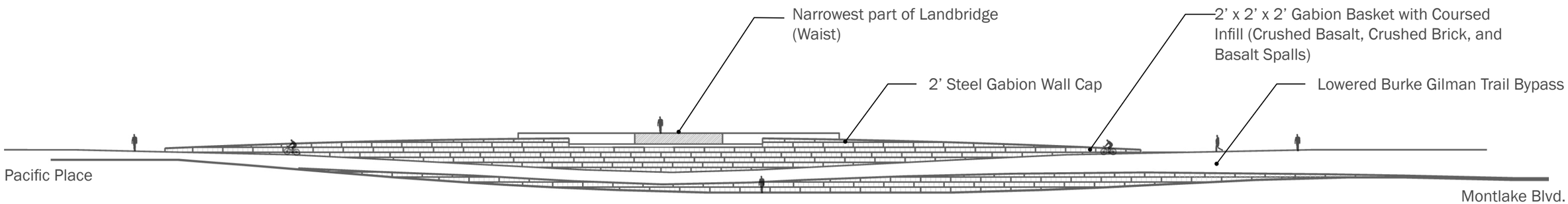
Gabion Walls - Pacific Place



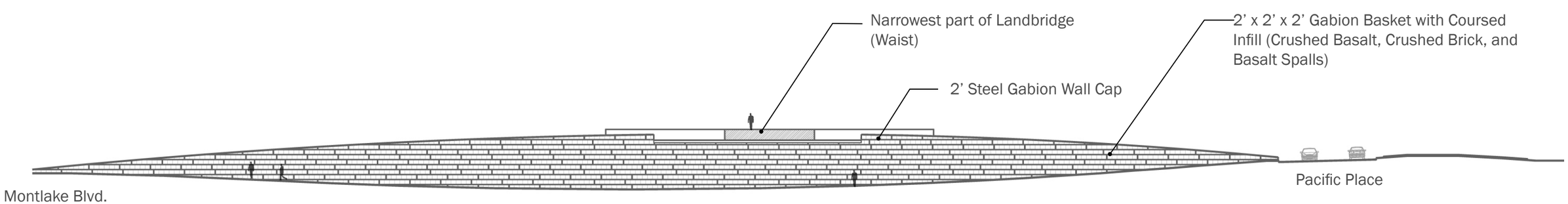
1 SECT: TYPICAL GABION WALL
SCALE: 1/4" = 1'-0"

Gabion Walls - Pacific Place

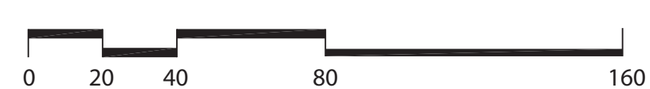




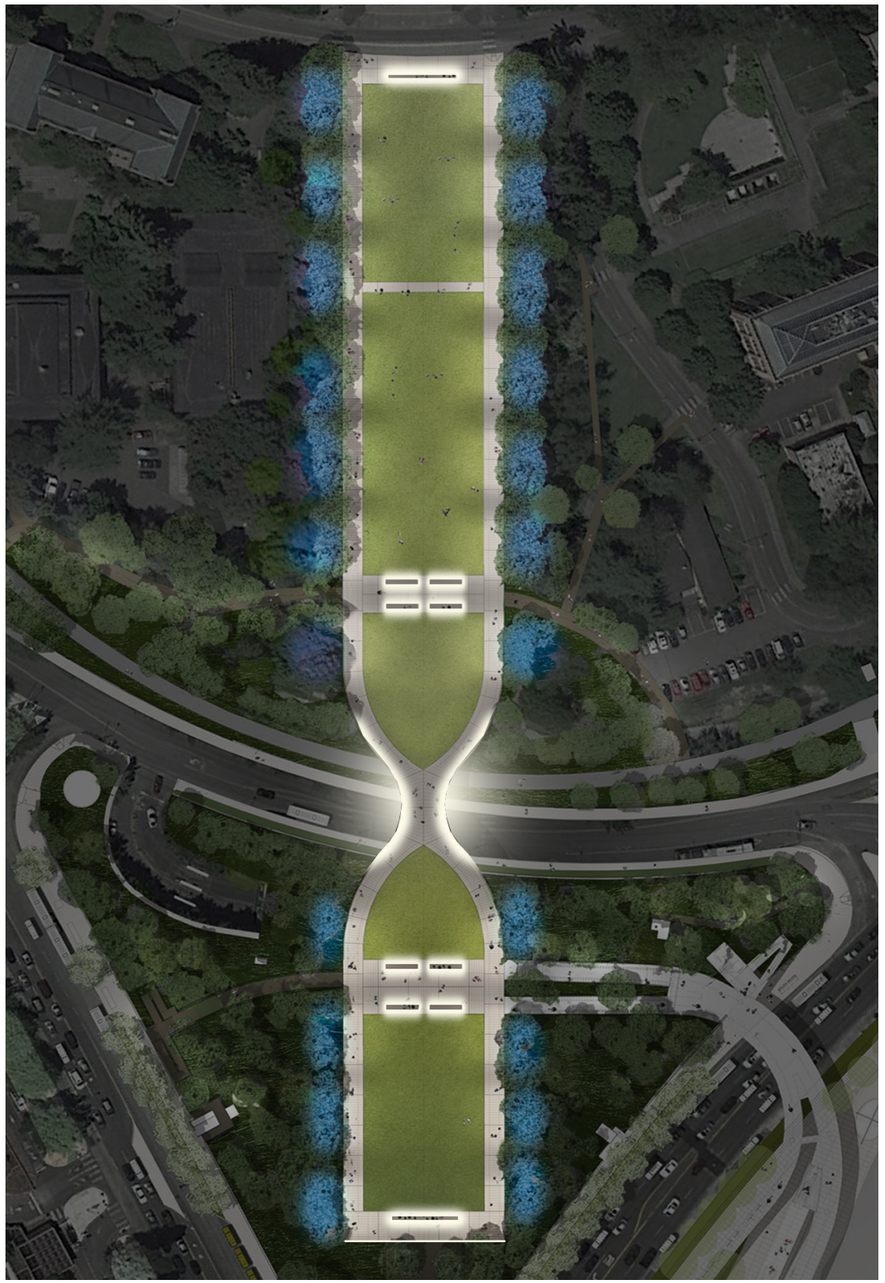
Elevation 1
Pacific Place Elevation - Looking North



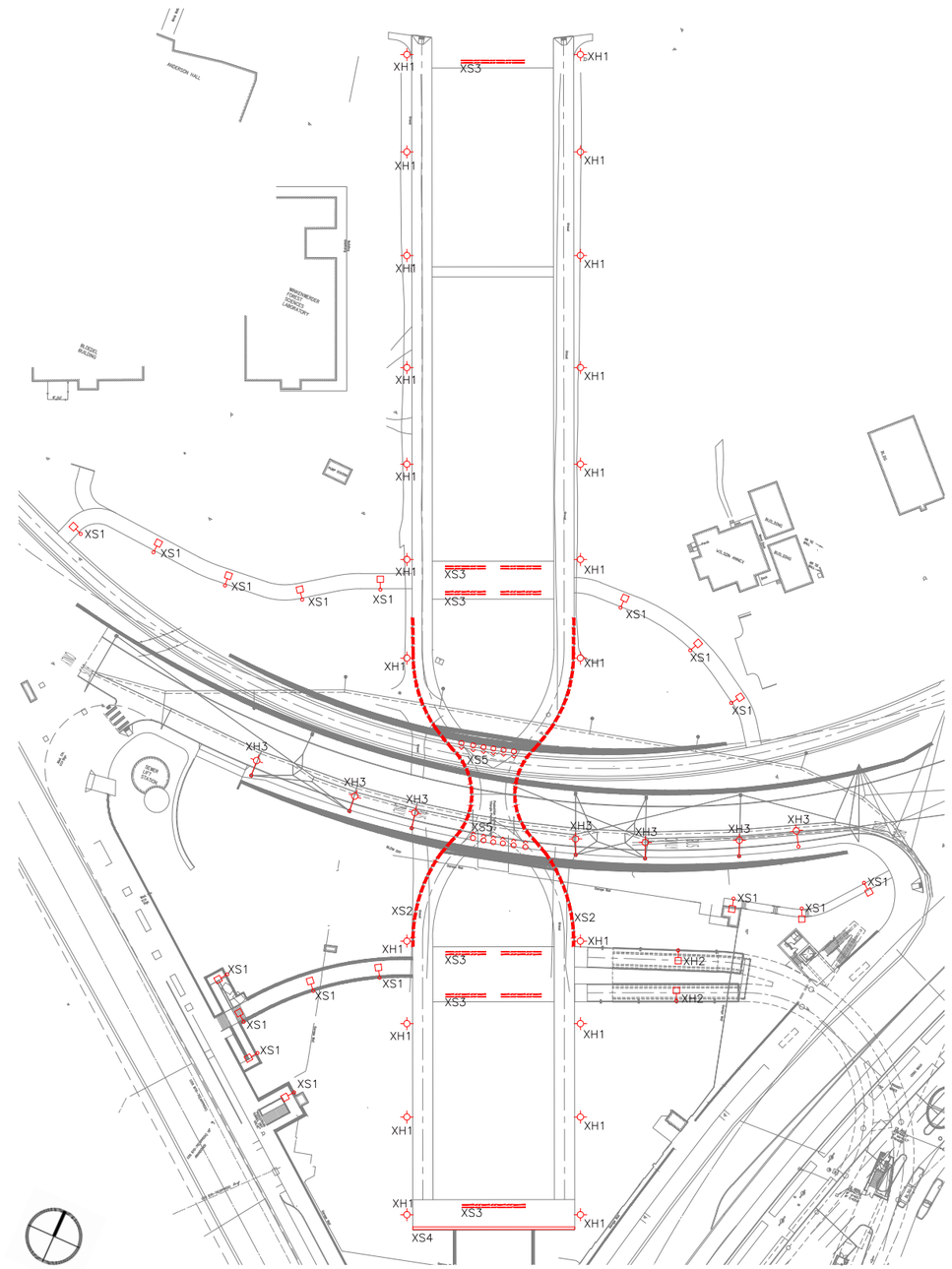
Elevation 2
Pacific Place Elevation - Looking South



6 Lighting Overview



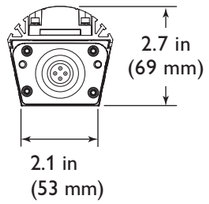
Rendered Site Plan

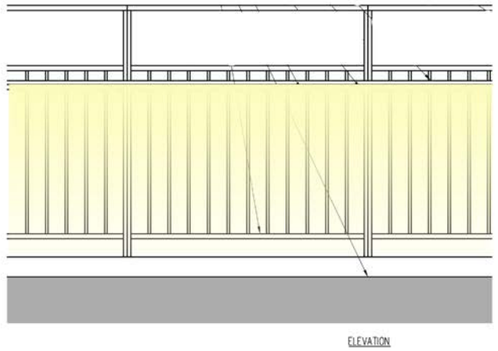


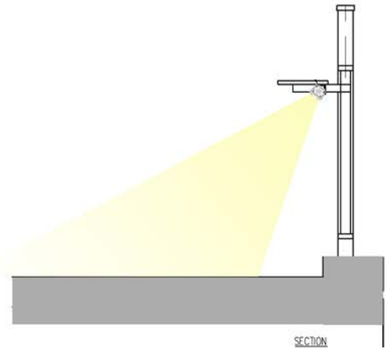
Site Plan - Fixture Layout

Landbridge Lighting

Fixture Type: XS2



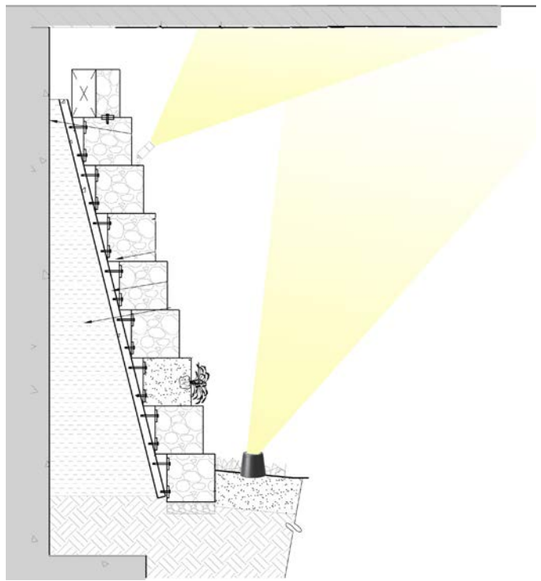


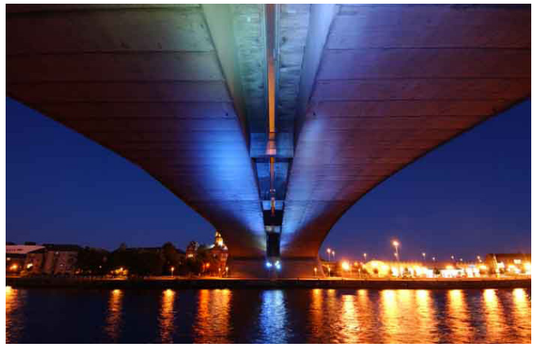


Pedestrian Lighting on Bridge
LED fixture integrated in handrail element

Fixture Type: XS5
Gabion Wall Mounted
Option

Fixture Type: XS5
Grade Mounted Option

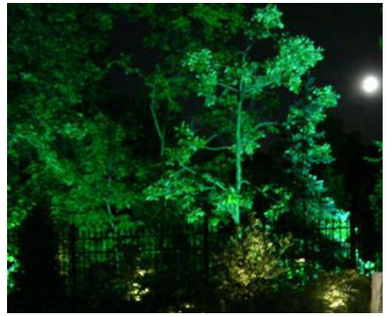




Uplighting on Bridge
Color fixed or color changing
LED source
Final Location in to be coordinated in landscape element

Lighting - Moon Lighting and Colored Lighting

Fixed Pole with lighting modules
Metal Halide Moon Lighting
Metal Halide Path Lighting
LED Colored Tree Lighting
20’-0” Mounting Height



Fiixture Type: XH1

Lighting - Connection Pathways and Streets

Fixture Type: XH2

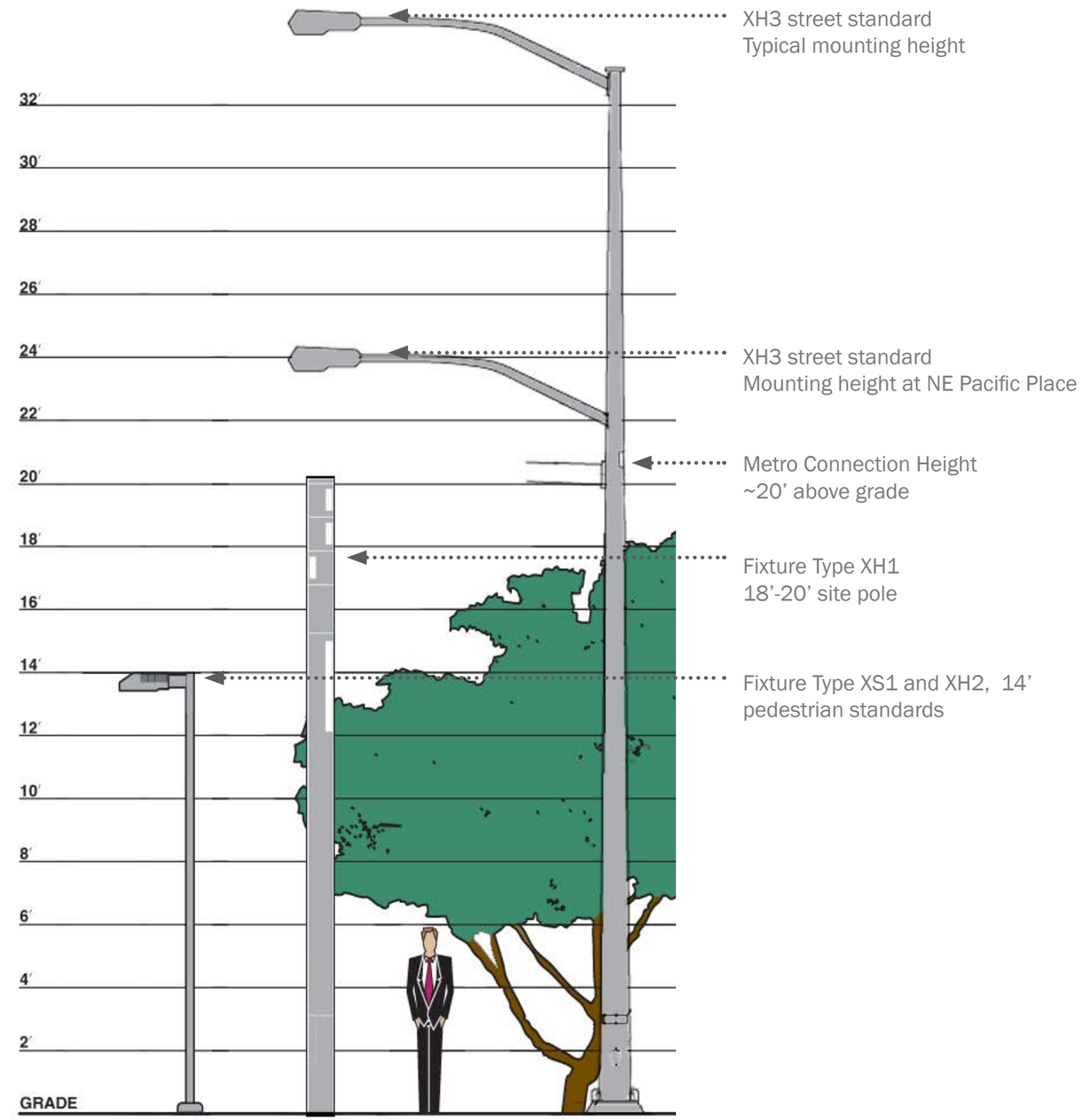
Sound Transit Standard Full
Cutoff
Pathway Pole
Metal Halide Source
Silver finish

FIXTURE TYPE: XS1

Campus Standard Full Cutoff
Pathway Pole
3500K LED source
Dark Bronze Finish

Fixture Type: XH3

SCL Standard Cobra Head
Mounted to top of Metro Strain
Pole
High Pressure Sodium Source



7 Planting Overview

Canopy and Understory Trees

Acer macrophyllum

Pseudotsuaga menziesii

Tsuga hetrophylla

Acer circinatum

Amelanchier alnifolia

Quercus Rubra

Shrubs and Ferns

Polystichum munitum

Dryopteris filix mas 'Robusta'

Myrica californica

Rubus parvifloris

Gualtheria shallon

Cornus sericea 'Kelseyi'

Mahonia aquifolium

Vaccinium corymbosum 'Bountiful Blue'

Holodiscus discolor

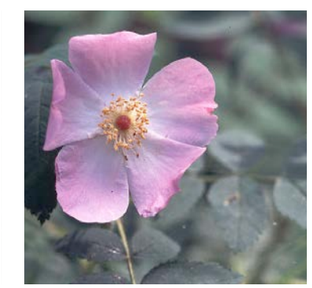
Omelaria cerasiformis

RIbes sanguineum

Symphoricarpos albus

Vaccinium ovatum

Pennisetum alopecuroides

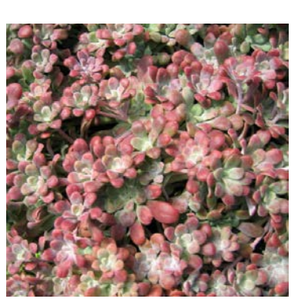

Rosa nootkana

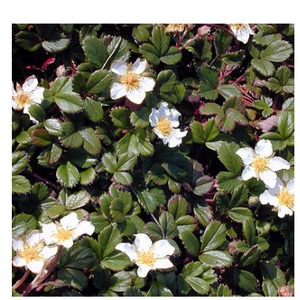
Ceanothus arboreus 'Powder Blue'

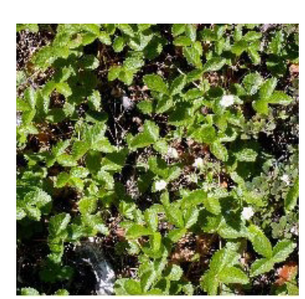
Groundcover and Herbaceous Plants

Sedum oreganum

Sedum divergens


Sedum spathifolium

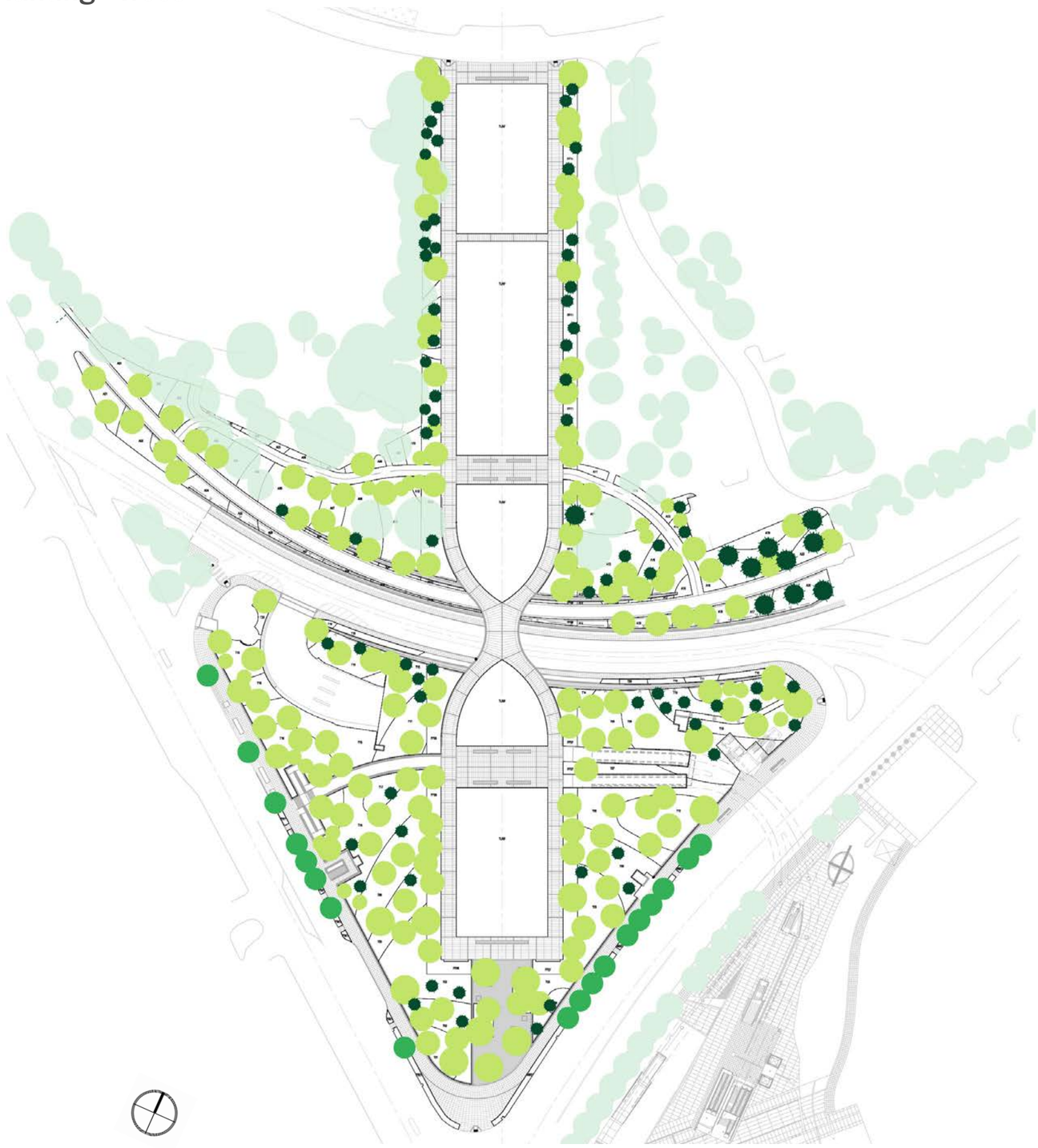

Fragaria chiloensis


Fragaria vesca

Mahonia nervosa

Arctostaphylos urva-ursi

Planting - Trees



Deciduous Trees

Acer macrophyllum

Acer circinatum

Amelanchier alnifolia

Coniferous Trees

Pseudotsuga menziesii

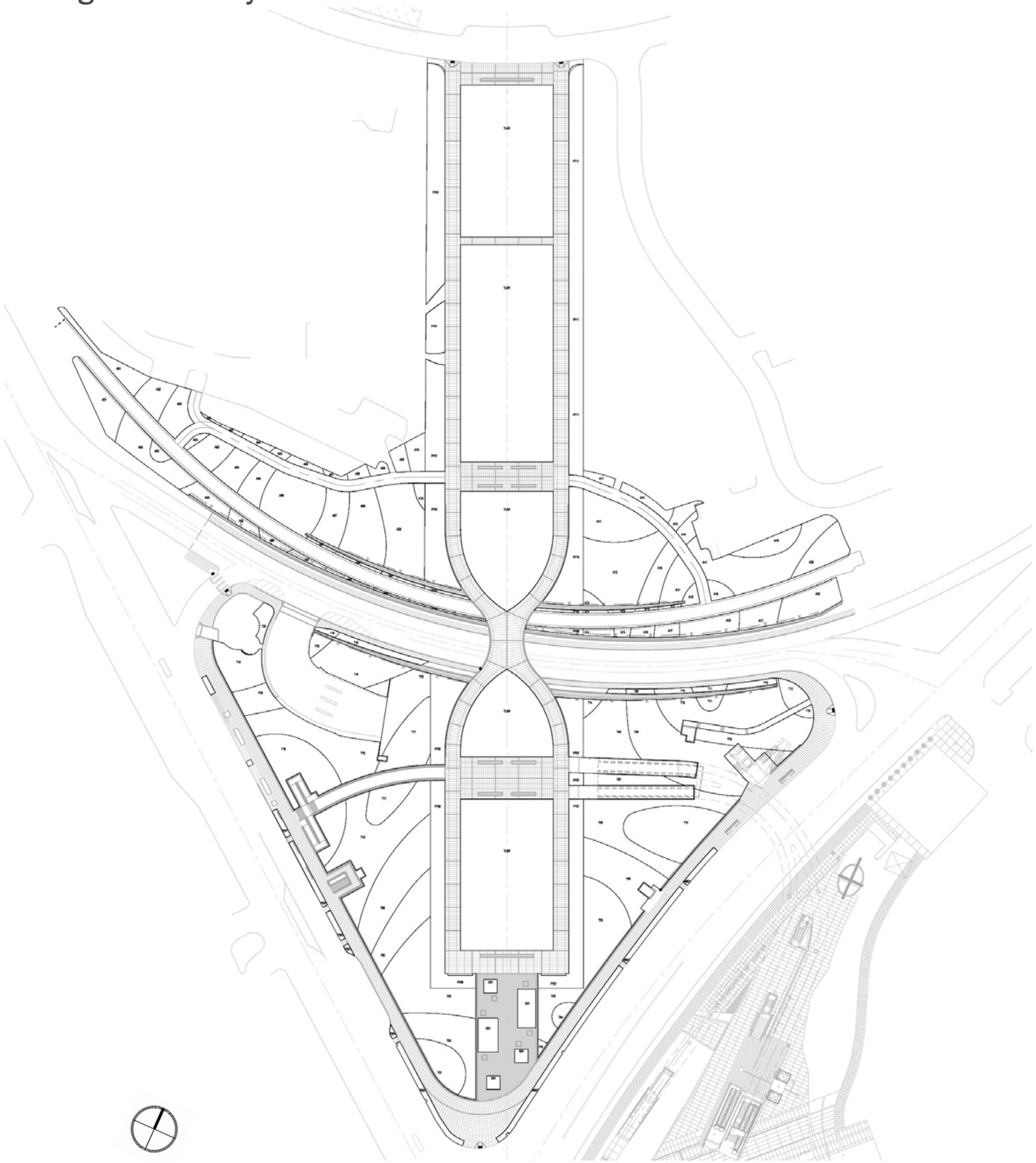
Tsuga heterophylla

Street Trees

Quercus rubra

Existing Trees

Planting - Understory



Planting Character - Shade

Cornus canadensis *Gaultheria shallon*

Mahonia nervosa *Vancouveria hexandra*

Blechnum spicant *Oxalis oregona*

Polystichum munitum *Vancouveria hexandra*

Planting Character - Sun

Ceanothus arboreus 'Powder Blue' *Mahonia aquifolium*

Pennisetum orientale *Camassia quamash*

Miscanthus gracilliumus *Ribes sanguineum 'Pokey's Pink'*

Symphoricarpos albus *Rosa nutkana*