

Memorial Stadium Redevelopment

Seattle Design Commission
10.03.2024



GENERATOR
STUDIO

SWIFT COMPANY LLC

Agenda

- 1 Project Update
- 2 Project Visions, Goals, and Principles
- 3 Stadium Program / Design
- 4 Site Program / Design
- 5 Sustainability
- 6 Lighting
- 7 Next Steps
- 8 Discussion



Project Update



SPS/ SC Update

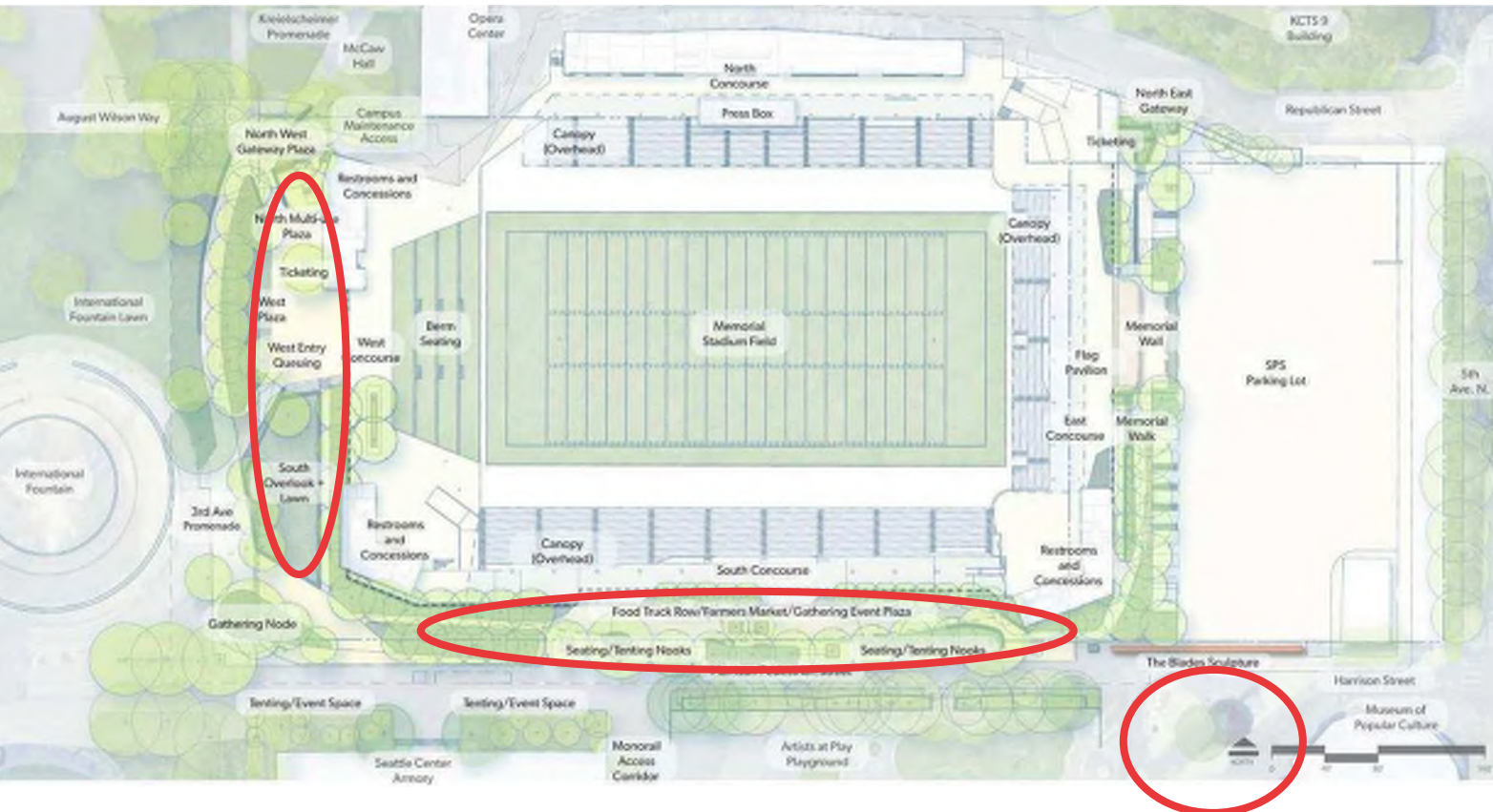
- Recent student and community input
 - SDAT sessions
 - Metro League
- Upcoming events
 - Open House 10/16
 - Development Agreement process



One Roof Update

- MUP Update
- Landmarks Coordination
- SDC sub-committee
- SDAT
- Veterans
- Tribal

Public Art Update



- Public art funded through the % for Art Fund will be in areas that are open to the public at all times (potential locations identified in image)
- Artwork to be permanent or site-integrated art work.
- Schedule: A selection panel will review artist applications throughout October with the goal of having an artist on board in December 2024.
- Office of Arts and Culture Maija McKnight, Manager

Transportation Plan

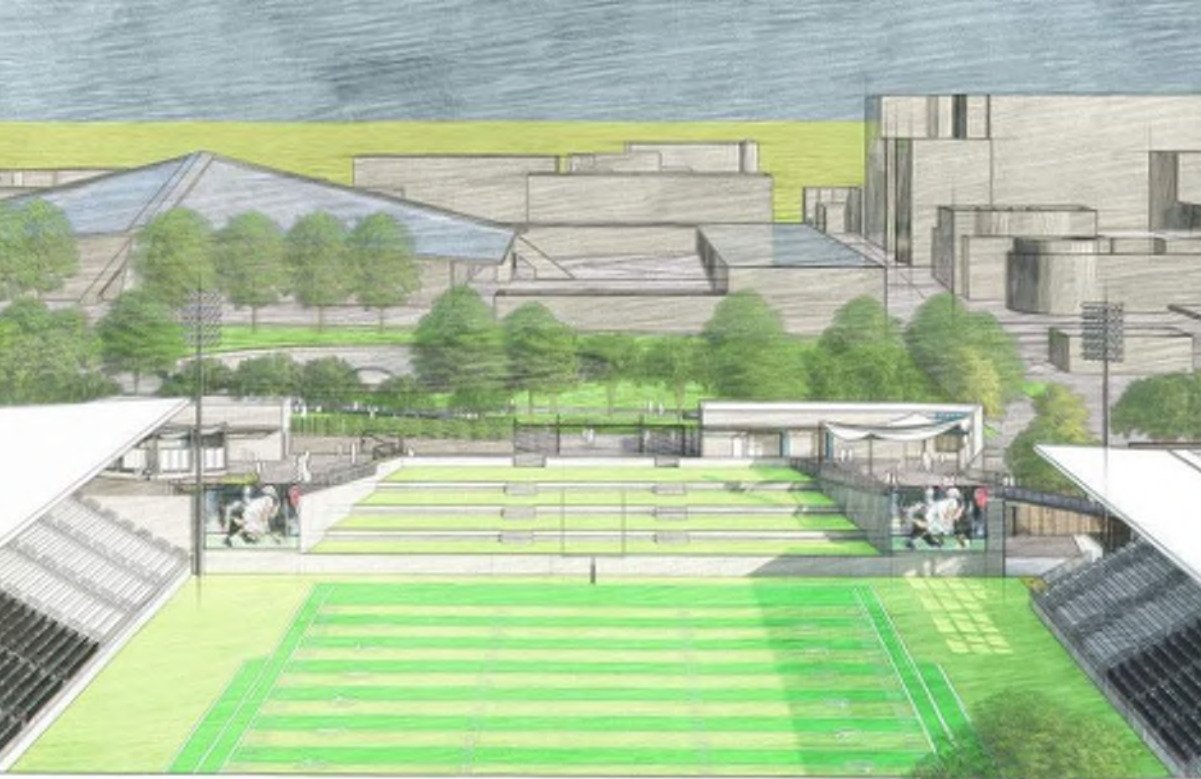


Service:

- METRO Rapid Ride and bus services
- Seattle Monorail (2 Mil. riders per year)
- Future Sound Transit Stations (2037 - 2039 est. service start w/ daily boardings ranging from 10,500 - 11,300)
- Bicycle routes



Project Visions, Goals and Principles



Project Goals

- Student First Focus
- Provide Community Access and Activation
- Engage the Seattle Center Campus
- DEIA + Sustainability Targets
- Create Meaningful Partnership Opportunities
- Find Sustainable Development + Operating Costs

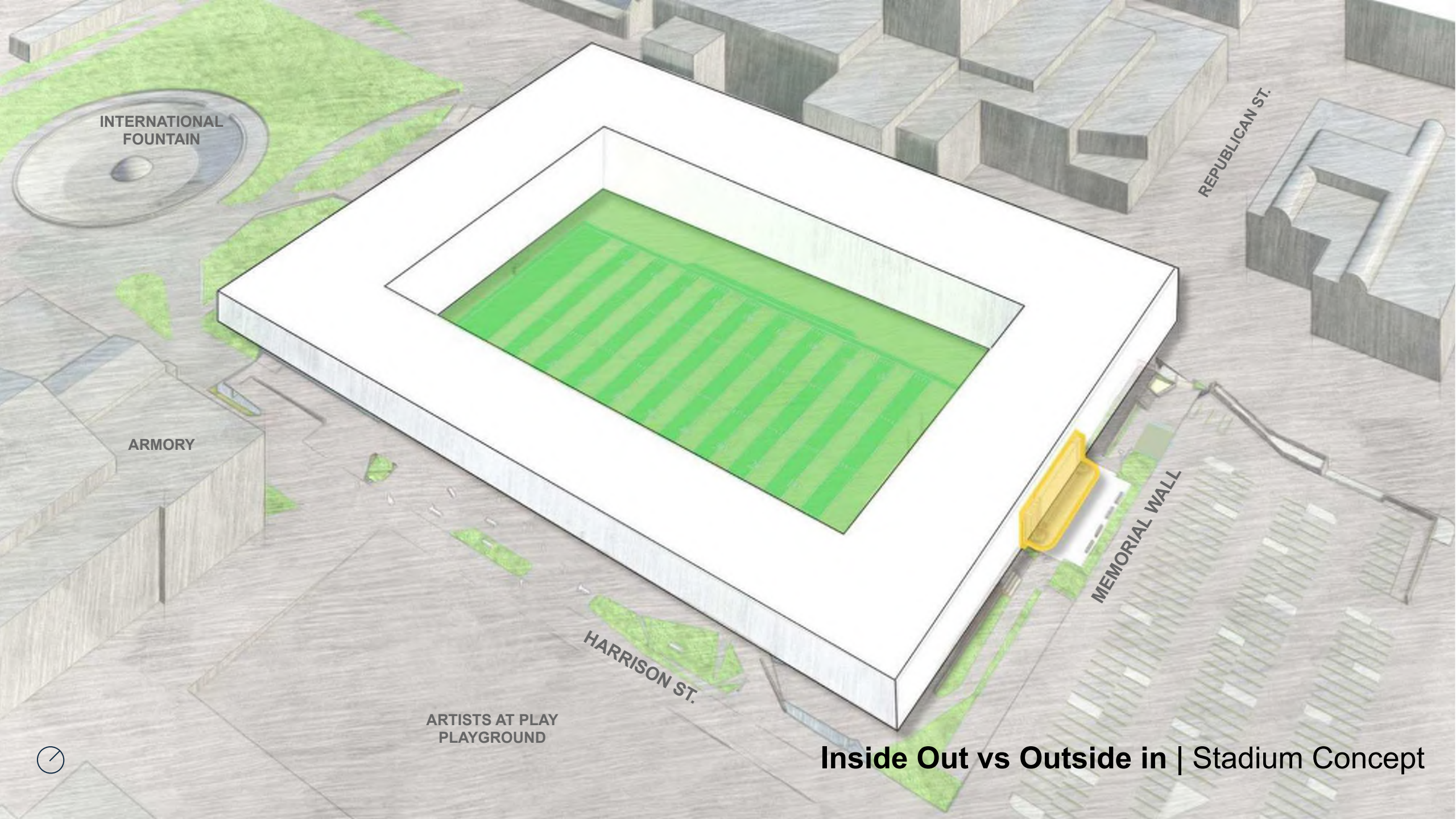


Project Principles

- World class stadium for Seattle youth + community
- Outside-in design - integrated into the Seattle Center context
- Provide community spaces supported by flexible amenities
- Celebrate students through art, activation and technology
- Restore Memorial Wall and provide pride of place
- Multi-functional field of play and stadium

An aerial night view of a large football stadium. The pitch is illuminated, and players are visible on the field. The stands are filled with spectators. In the background, a city skyline with lit-up buildings is visible under a dark sky. Two horizontal red lines are positioned above and below the main text.

Stadium Program / Design



INTERNATIONAL
FOUNTAIN

REPUBLICAN ST.

ARMORY

MEMORIAL WALL

HARRISON ST.

ARTISTS AT PLAY
PLAYGROUND

Inside Out vs Outside in | Stadium Concept





INTERNATIONAL
FOUNTAIN

REPUBLICAN ST.

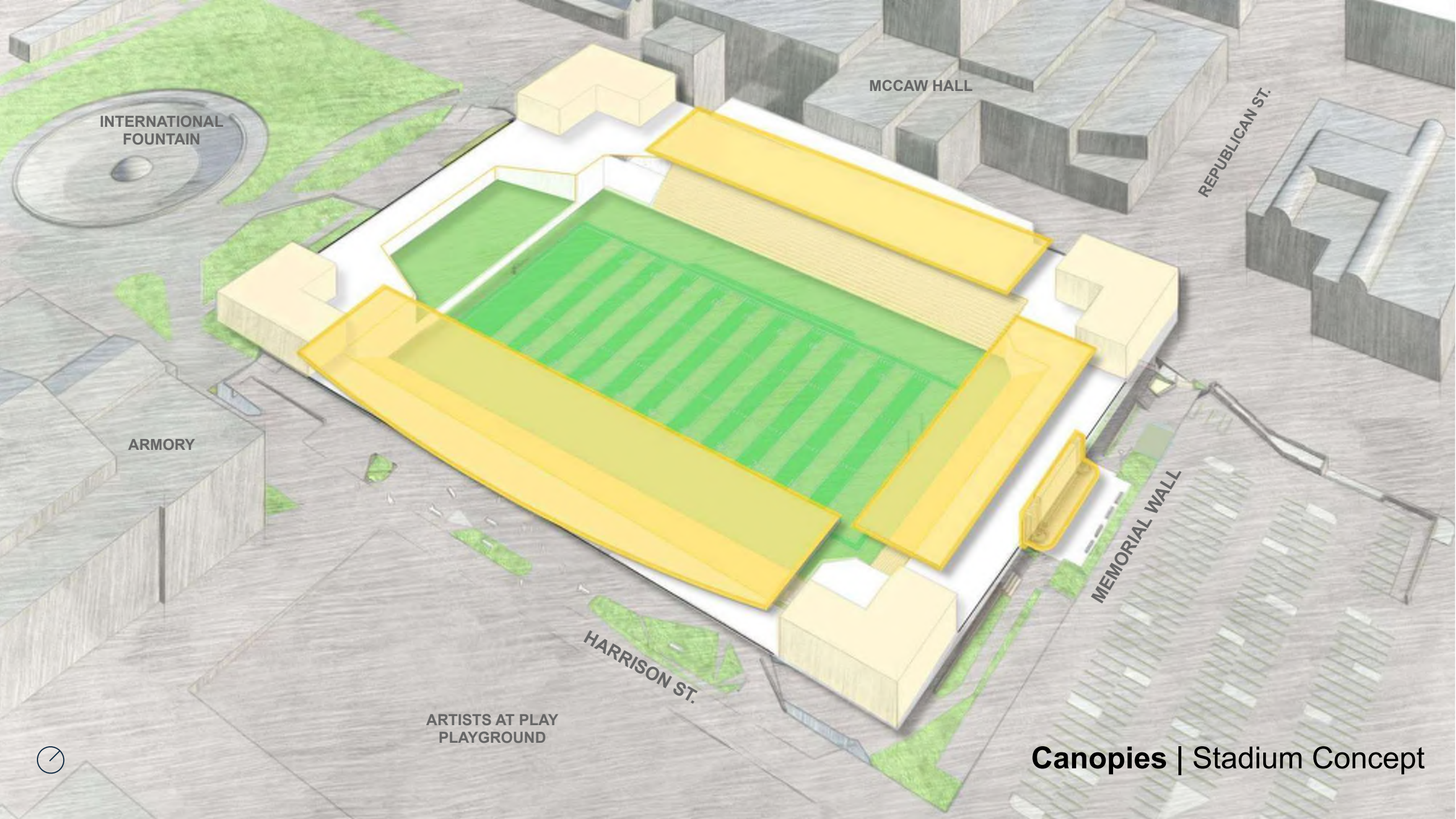
ARMORY

MEMORIAL WALL

HARRISON ST.

ARTISTS AT PLAY
PLAYGROUND

Pavilions | Stadium Concept



INTERNATIONAL
FOUNTAIN

MCCAW HALL

REPUBLICAN ST.

ARMORY

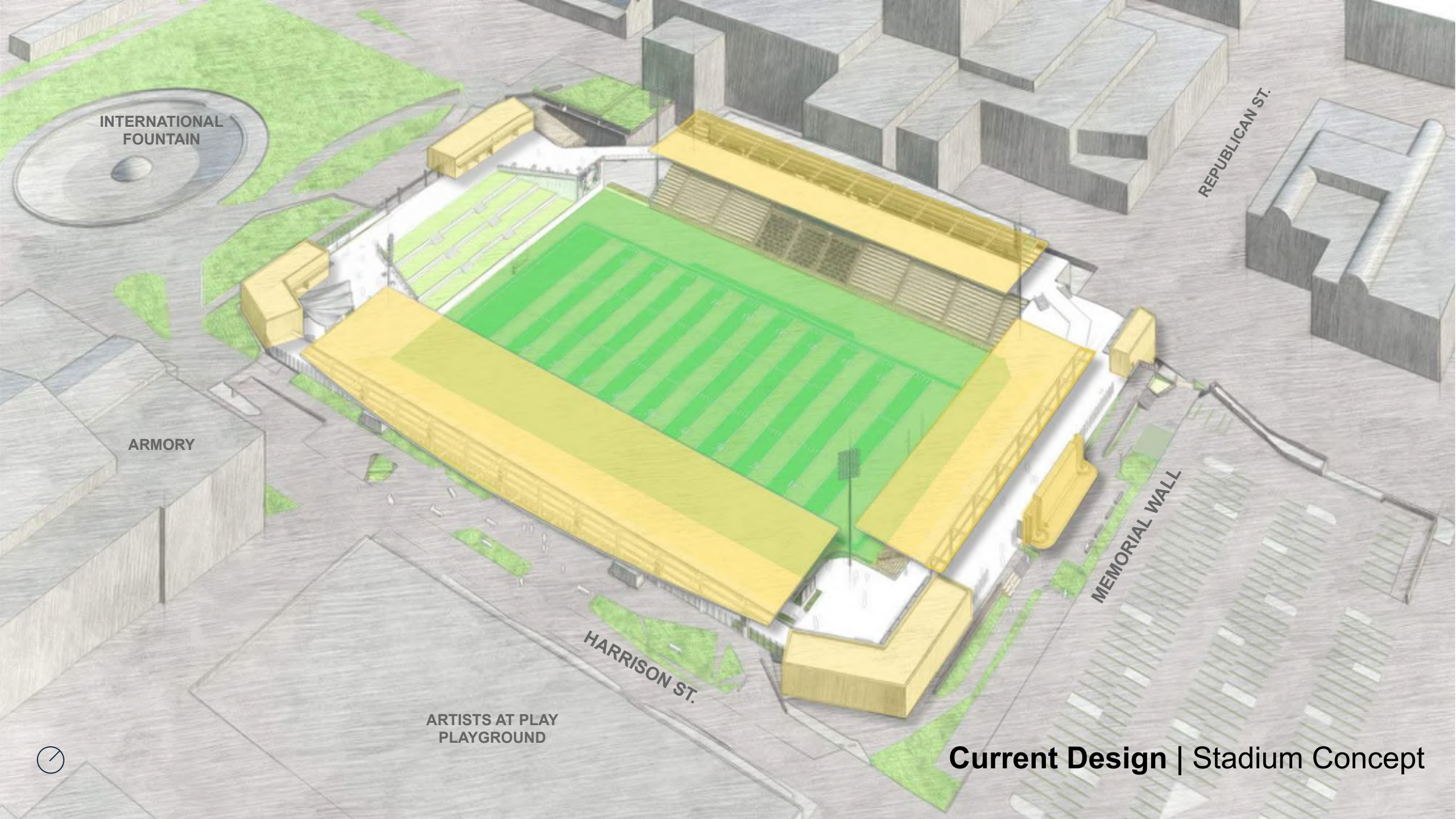
MEMORIAL WALL

HARRISON ST.

ARTISTS AT PLAY
PLAYGROUND

Canopies | Stadium Concept





INTERNATIONAL
FOUNTAIN

REPUBLICAN ST.

ARMORY

MEMORIAL WALL

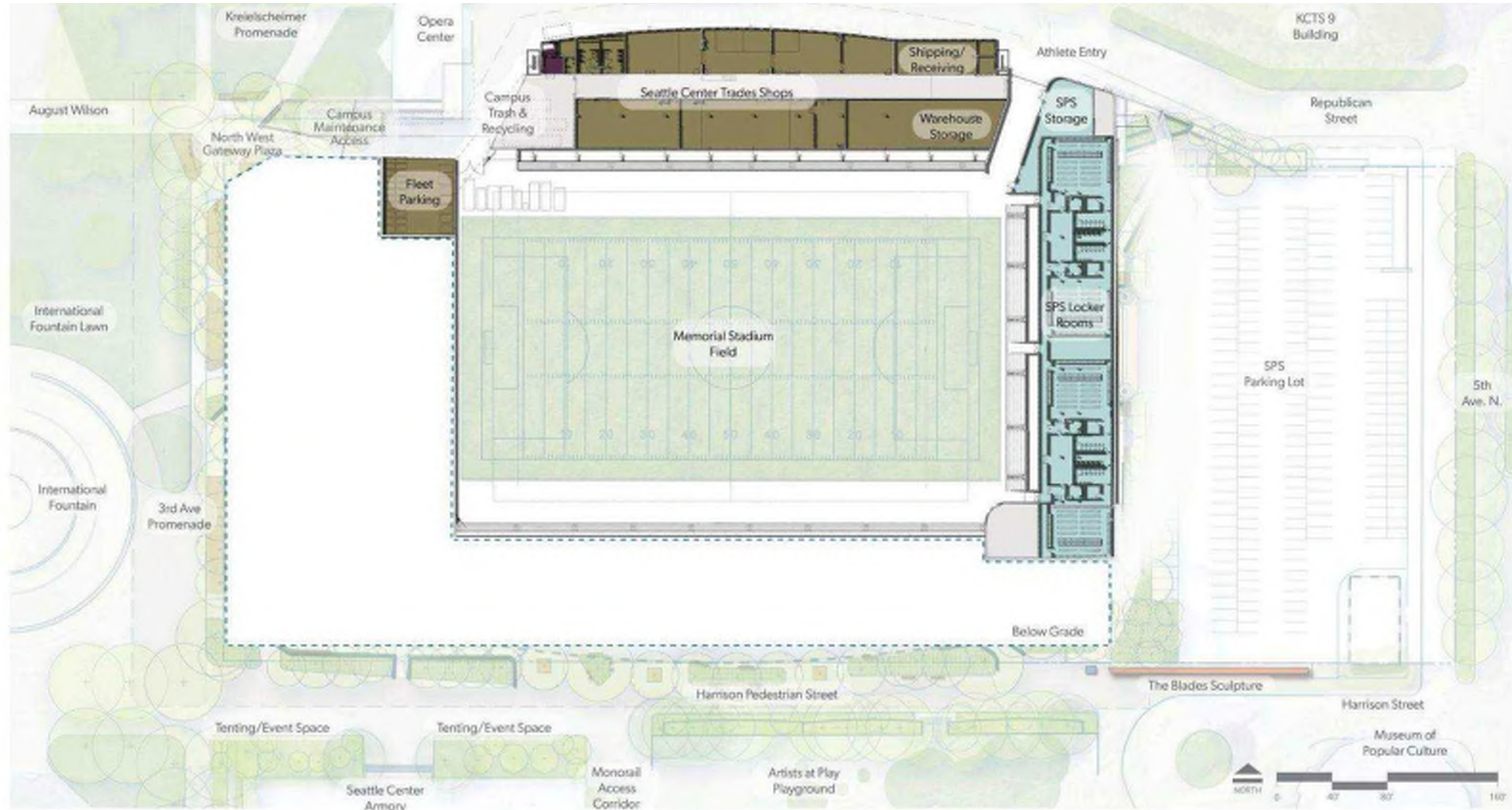
HARRISON ST.

ARTISTS AT PLAY
PLAYGROUND

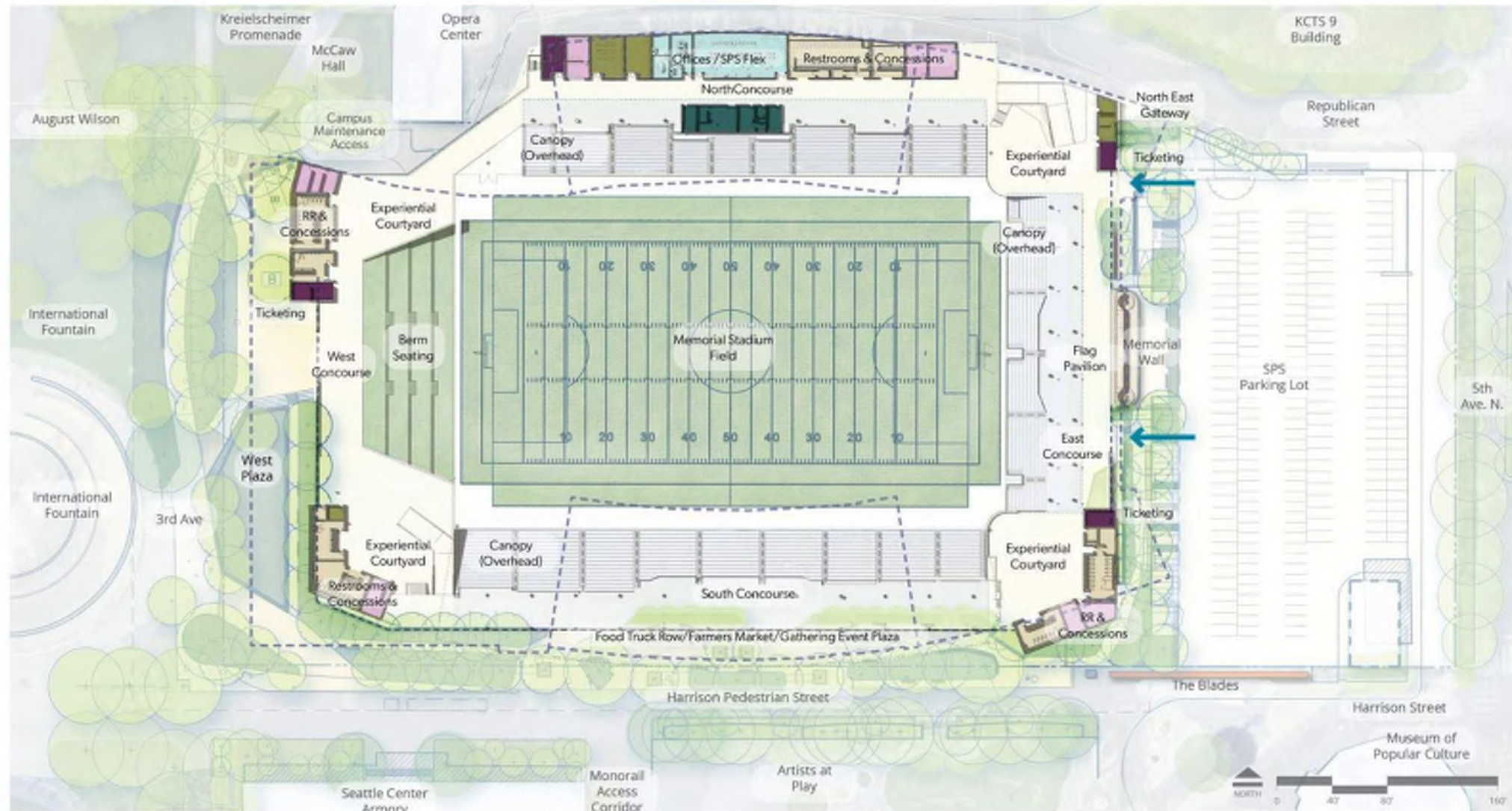
Current Design | Stadium Concept

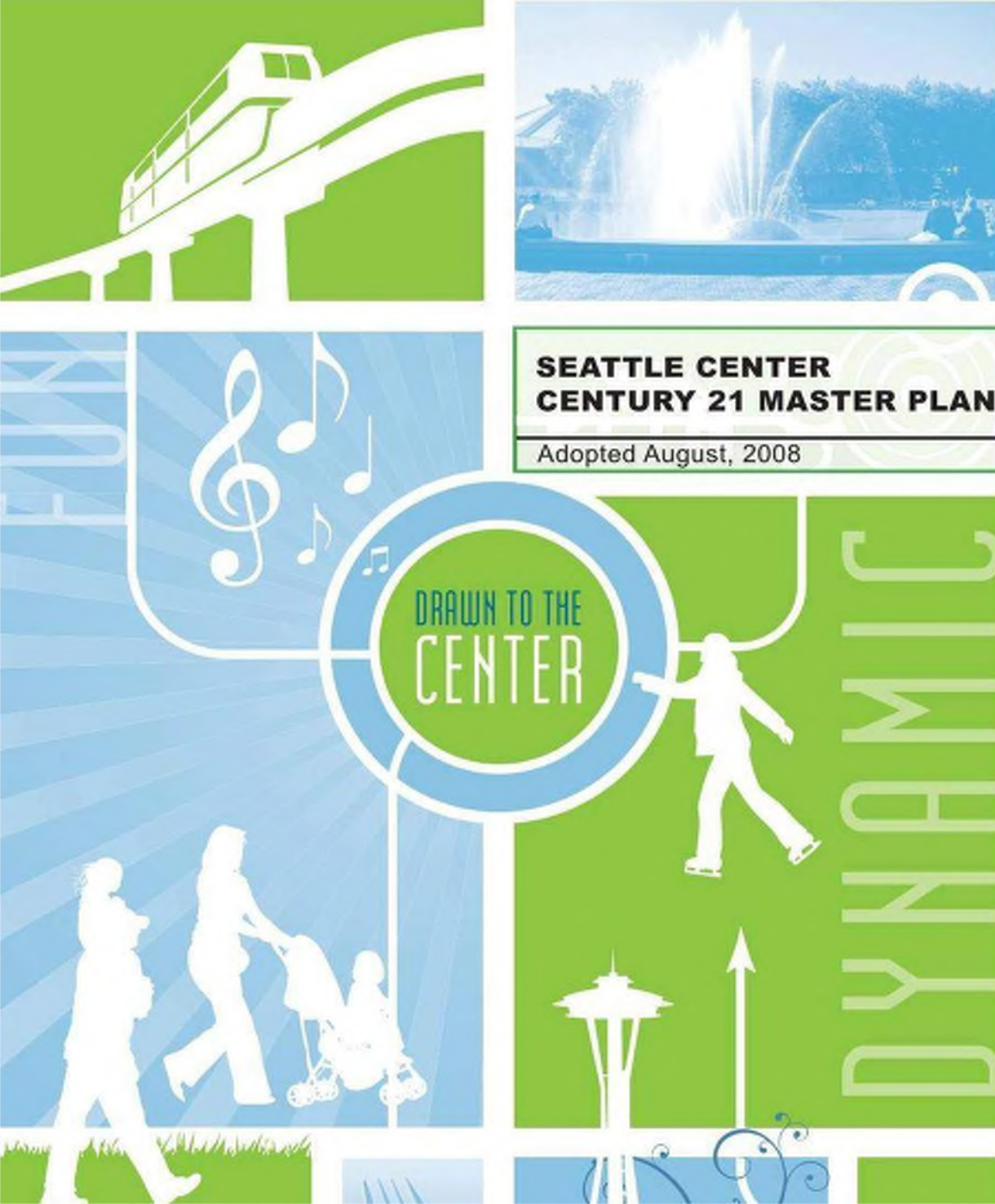


Field Level



Concourse Level





Design Language

- World's Fair era **colonnades & pavilions** are a clear precedent at Seattle Center
- Collective architecture represents a **clean, light aesthetic** from an optimistic and ambitious time with **unique forms** and **a distinct spirit**
- New buildings and architectural elements should have a **clear, cohesive concept** that is reflected in building form, siting, facade, details, and related site elements
- Facade treatment: Where blank walls are unavoidable, consider treatments such as **green screen or art**. In other cases, **high quality materials, proportions, and detailing** are critical.
- **Glass, steel, and masonry** materials are favored
- **Delight & inspire the human spirit** in each person and bring us together as a rich and varied community
- **Invigorate & update** the campus to appeal to next generation yet **honor its historic character**

Design Language



Seattle Center | Campus Scale

Design Language



Seattle Center | Campus Scale

Design Language



Seattle Center | Campus Scale

Design Language



Elegant

Optimistic

Vertical

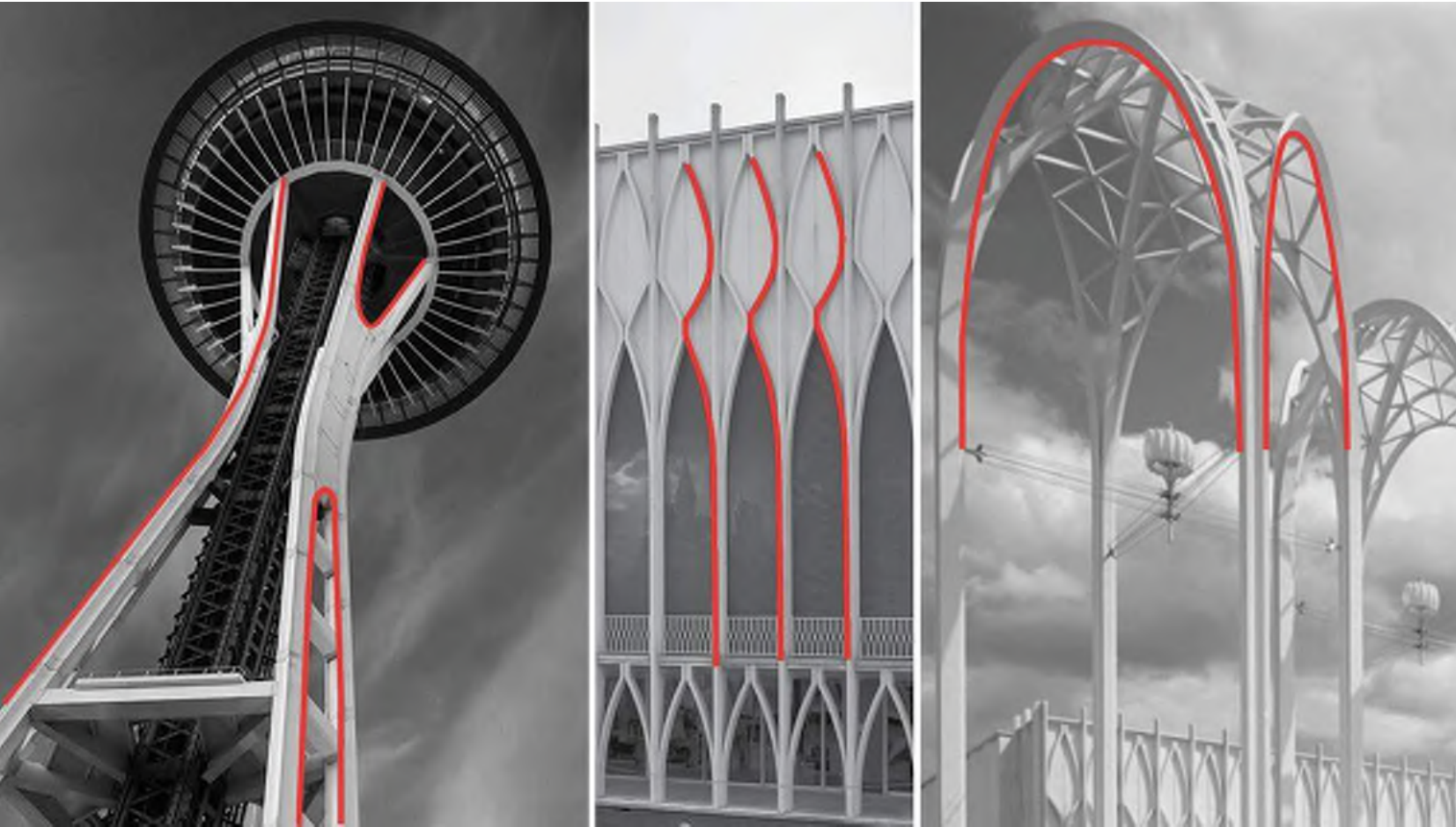
White

Clean

Green

Seattle Center | A Landmark of Optimism

Design Language

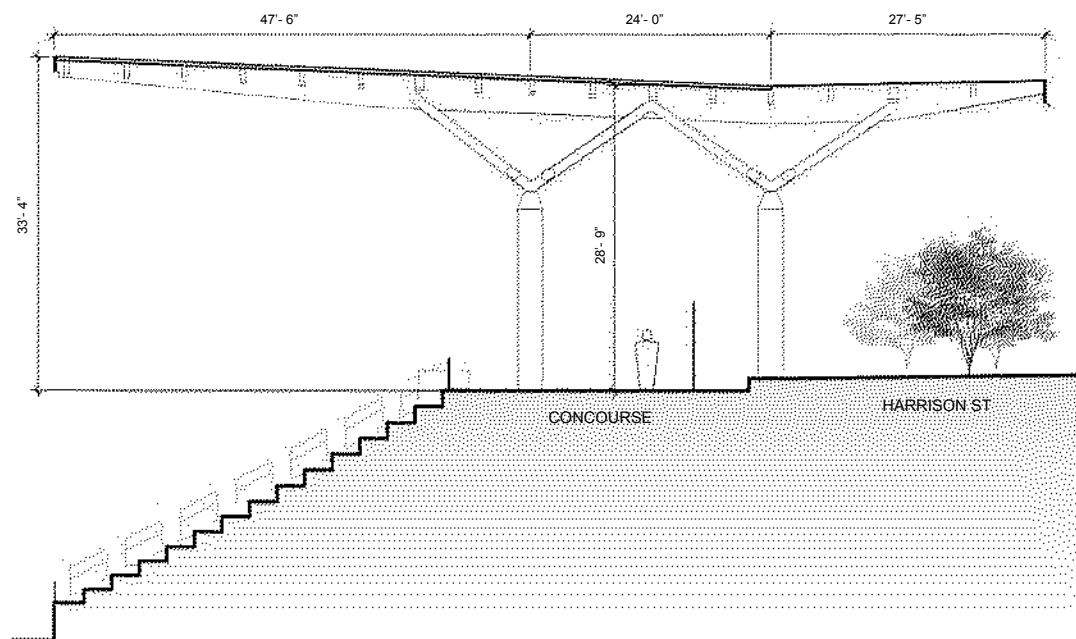


Soft Unique Curvature

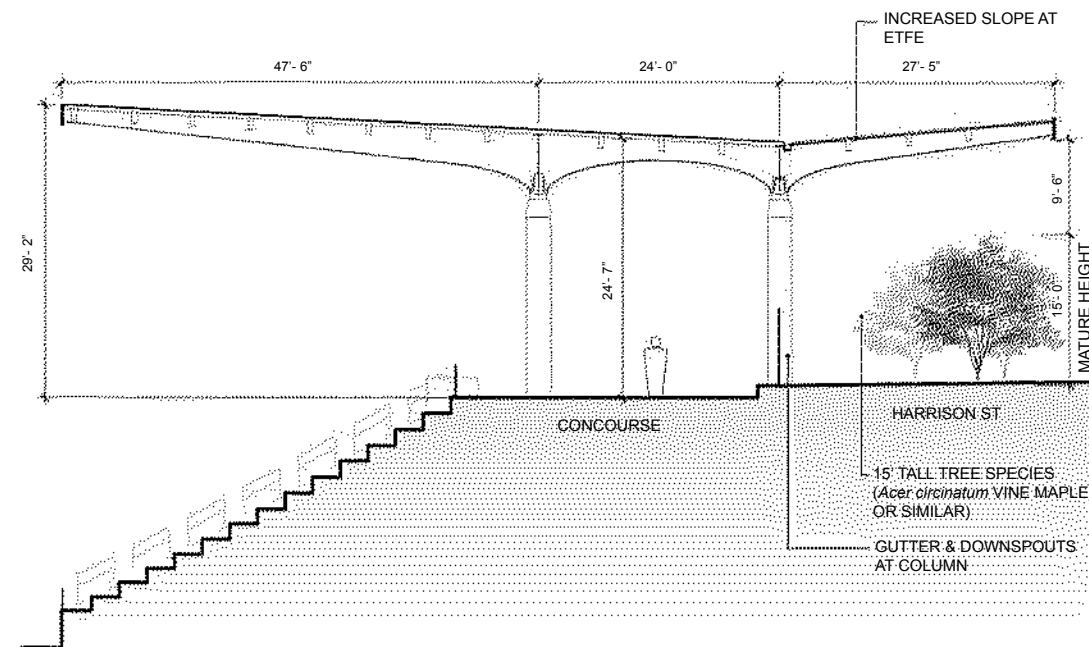
Repetition of “Ribs”

Sculptural + Functional

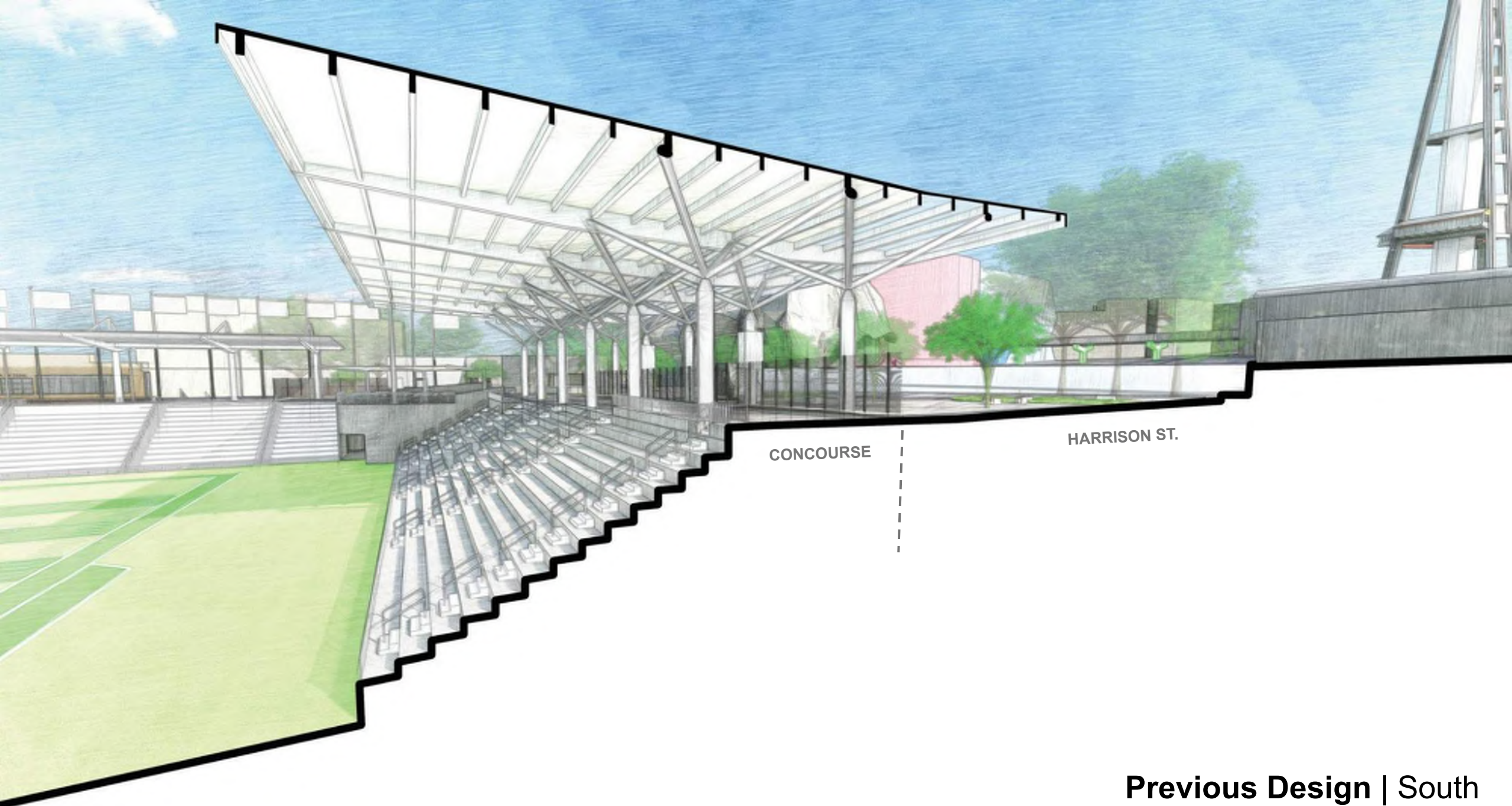
Seattle Center | Form Inspiration



PREVIOUS DESIGN

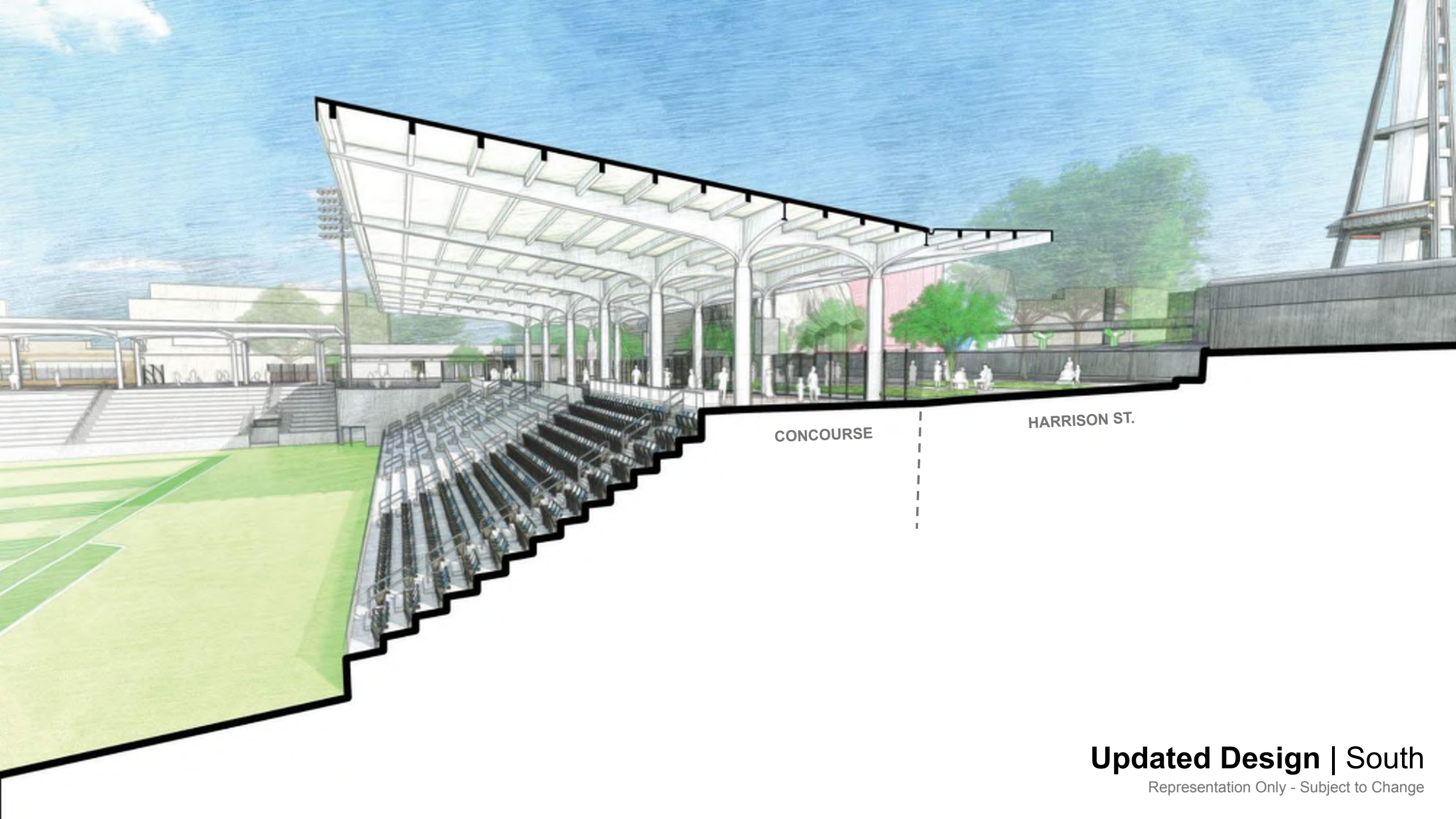


UPDATED DESIGN



Previous Design | South

Representation Only - Subject to Change

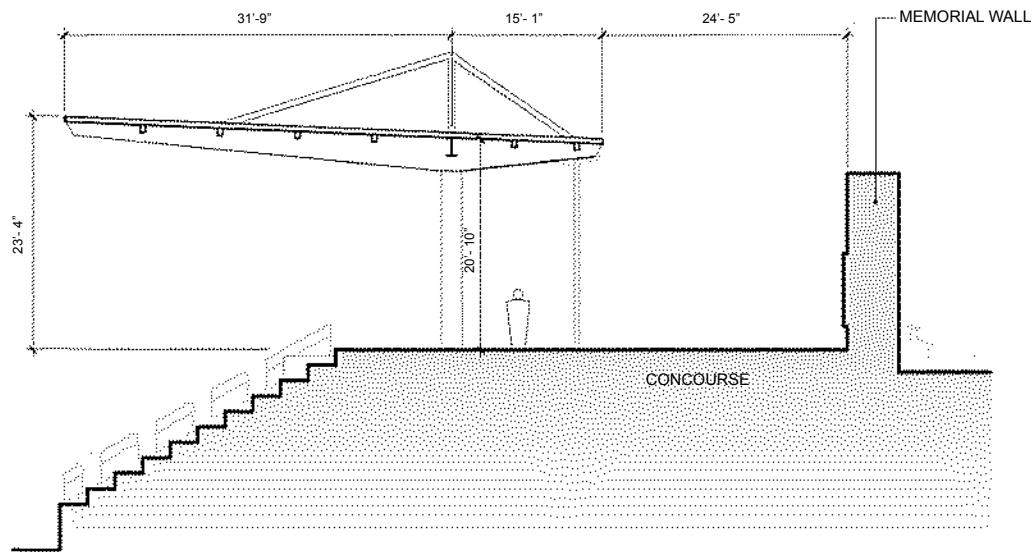


CONCOURSE

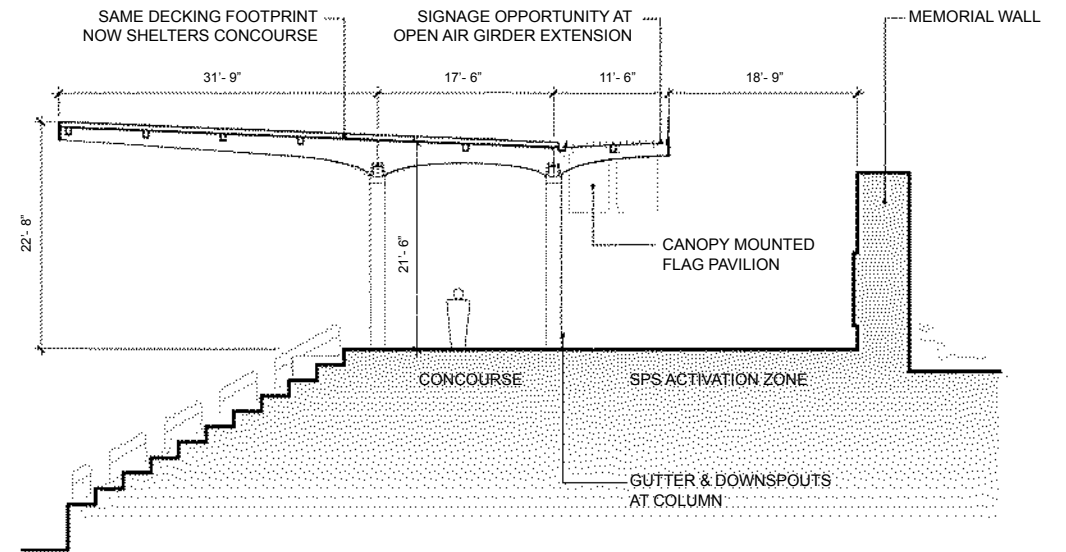
HARRISON ST.

Updated Design | South

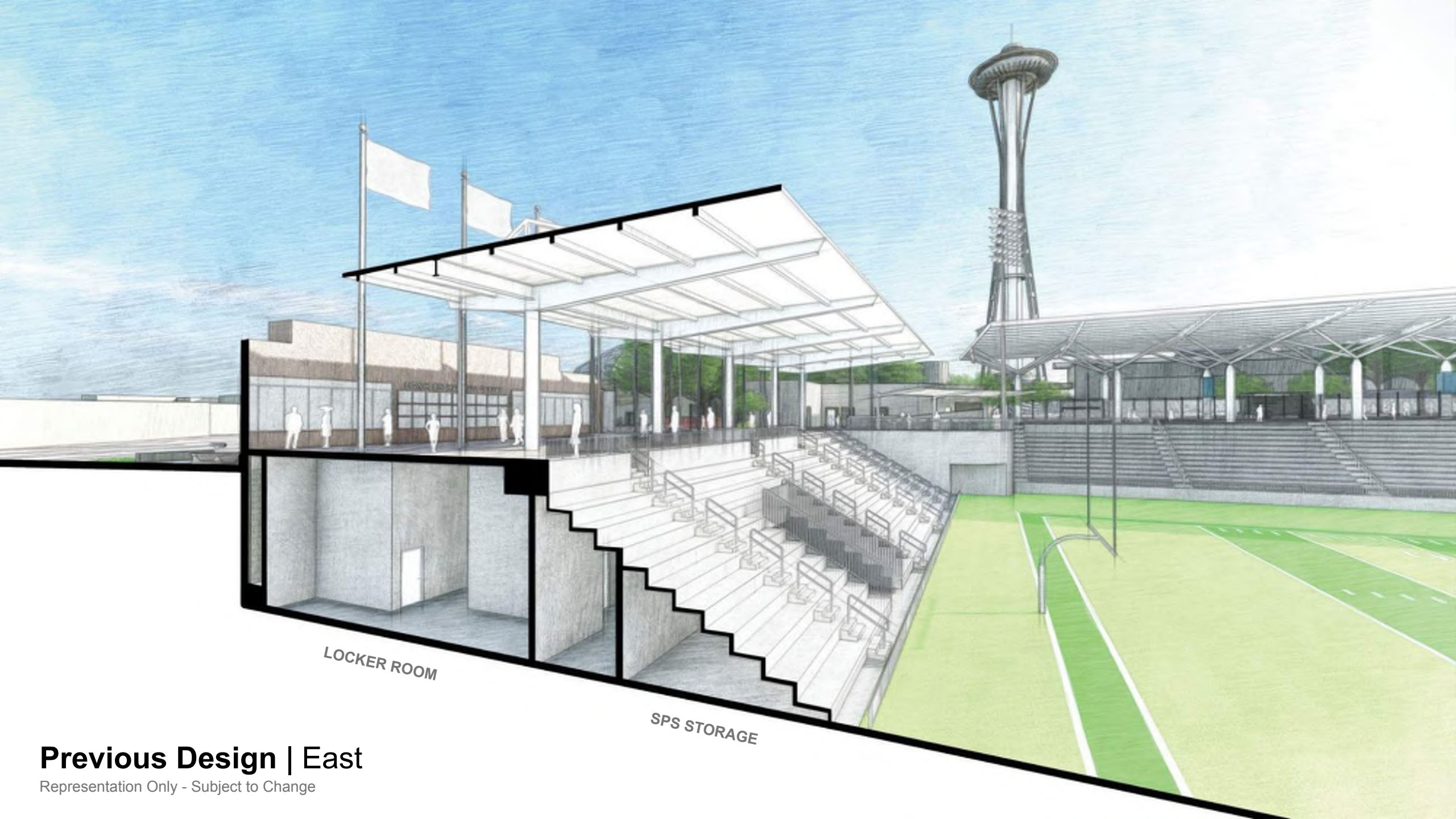
Representation Only - Subject to Change



PREVIOUS DESIGN



UPDATED DESIGN

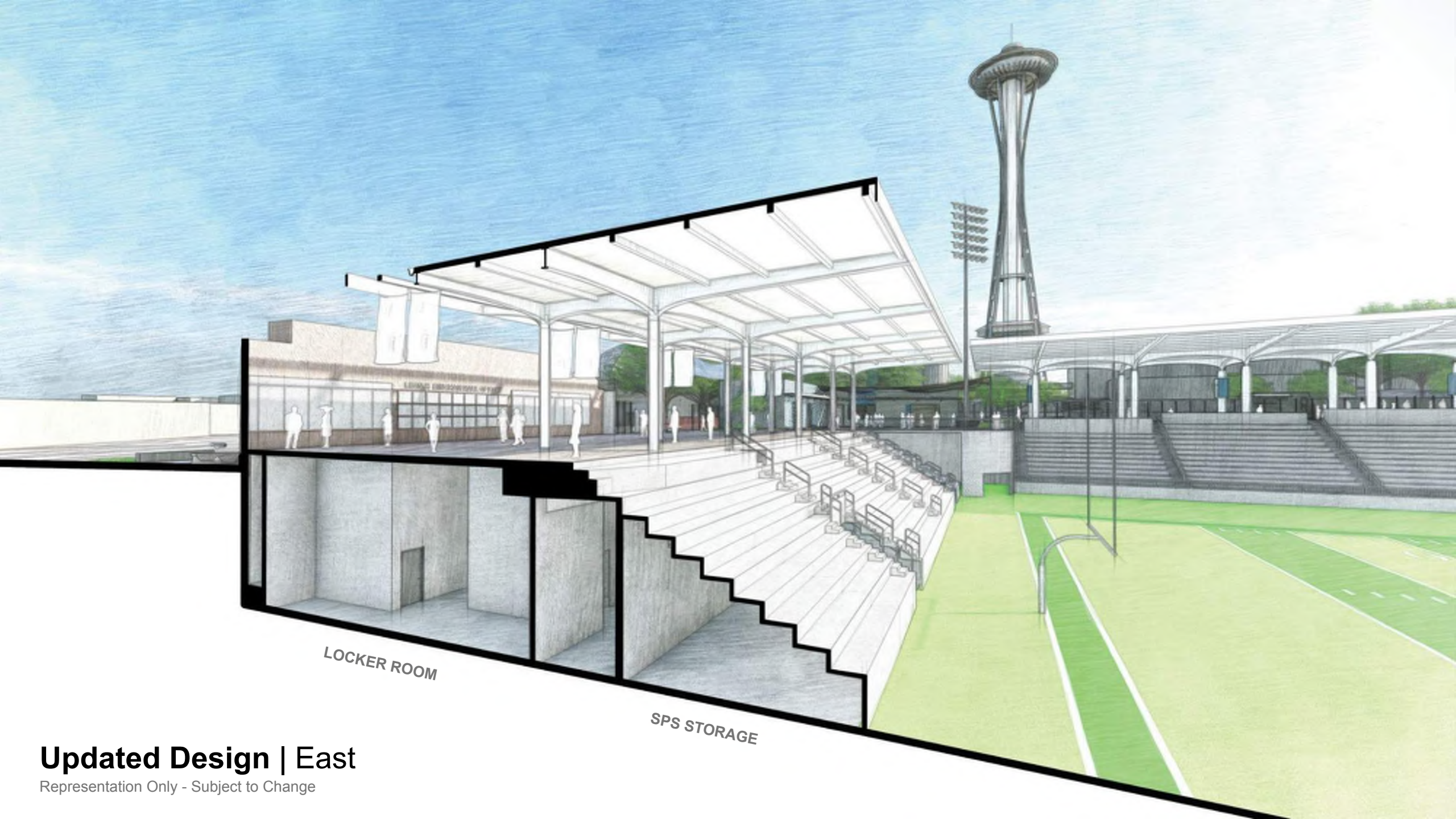


LOCKER ROOM

SPS STORAGE

Previous Design | East

Representation Only - Subject to Change



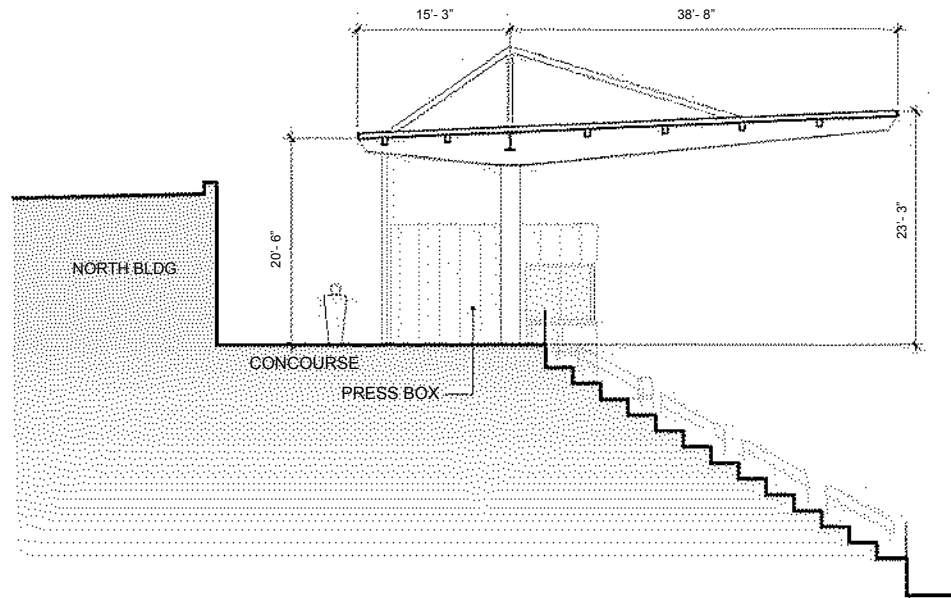
Updated Design | East

Representation Only - Subject to Change

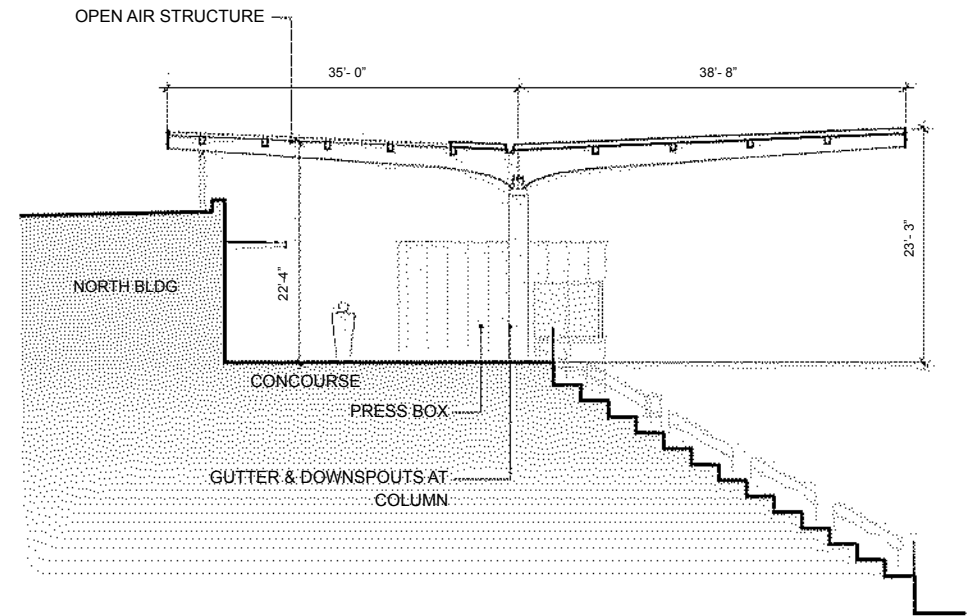


Updated Design | Visitor Entrance

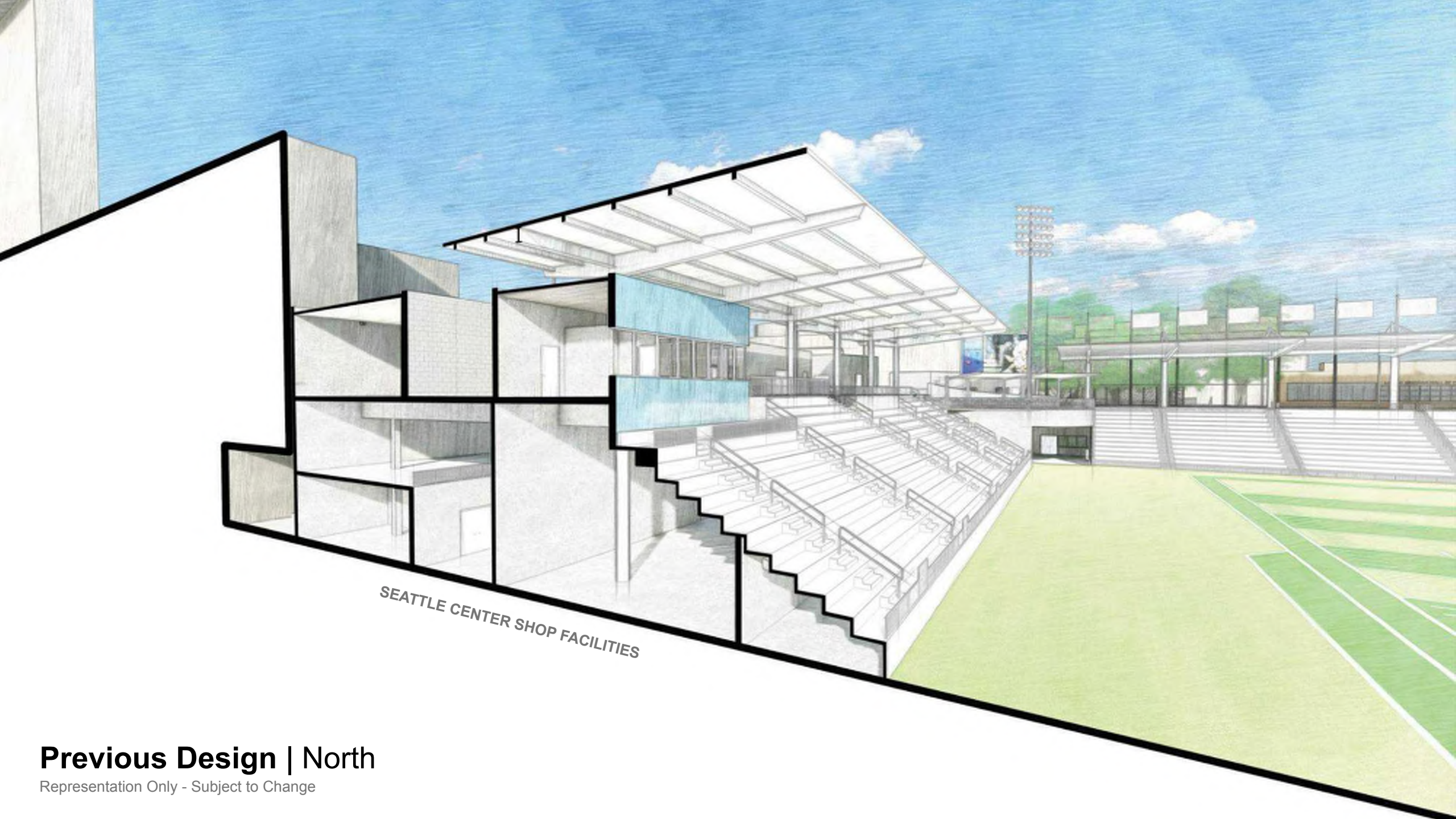
Representation Only - Subject to Change



PREVIOUS DESIGN



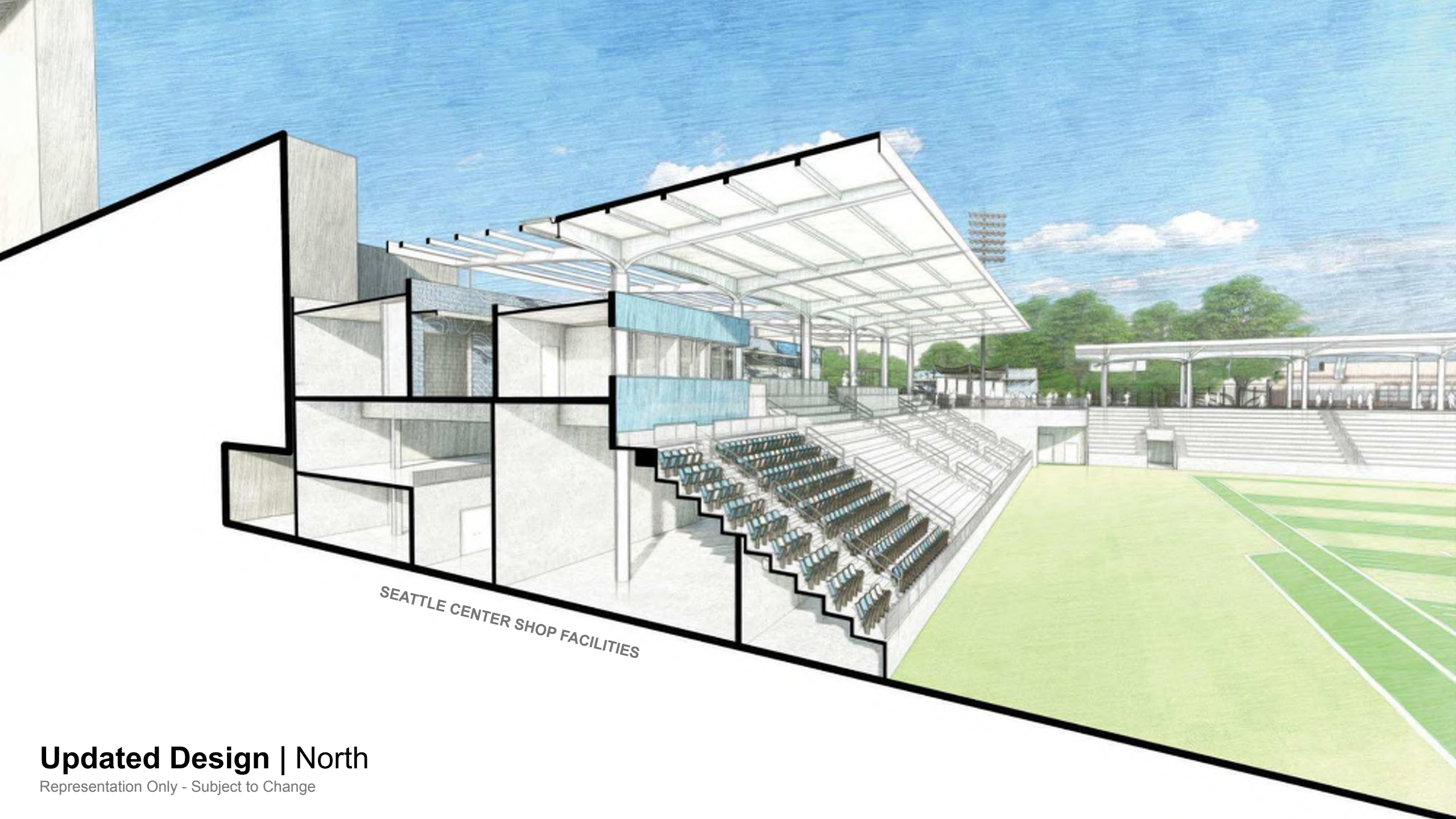
UPDATED DESIGN



SEATTLE CENTER SHOP FACILITIES

Previous Design | North

Representation Only - Subject to Change



SEATTLE CENTER SHOP FACILITIES

Updated Design | North

Representation Only - Subject to Change



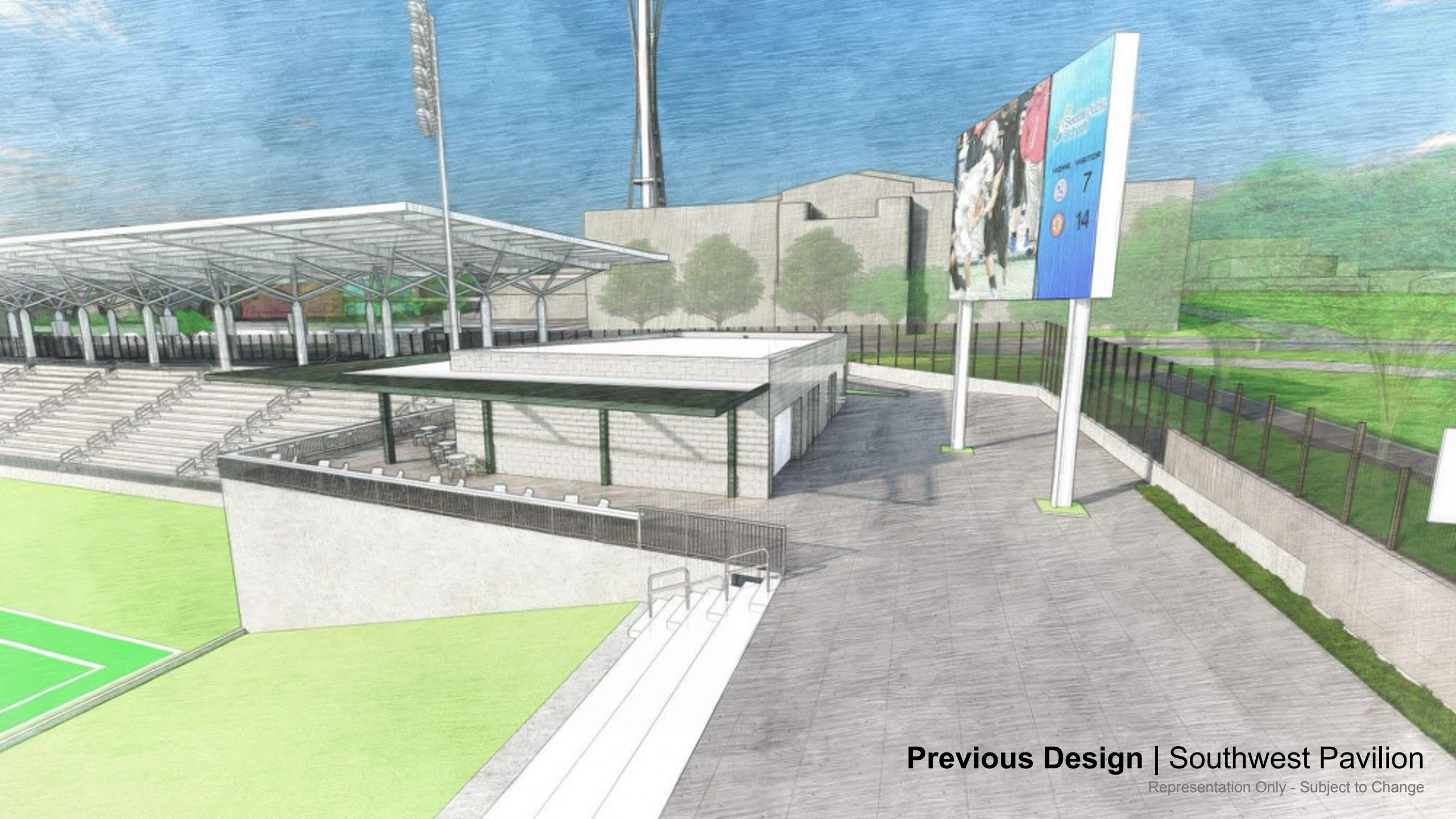
Previous Design | Southeast Pavilion

Representation Only - Subject to Change



Updated Design | Southeast Pavilion

Representation Only - Subject to Change



Previous Design | Southwest Pavilion

Representation Only - Subject to Change



Updated Design | Southwest Pavilion

Representation Only - Subject to Change



Previous Design | South Concourse

Representation Only - Subject to Change



Updated Design | South Concourse

Representation Only - Subject to Change



Previous Design | East Concourse

Representation Only - Subject to Change



Updated Design | East Concourse

Representation Only - Subject to Change



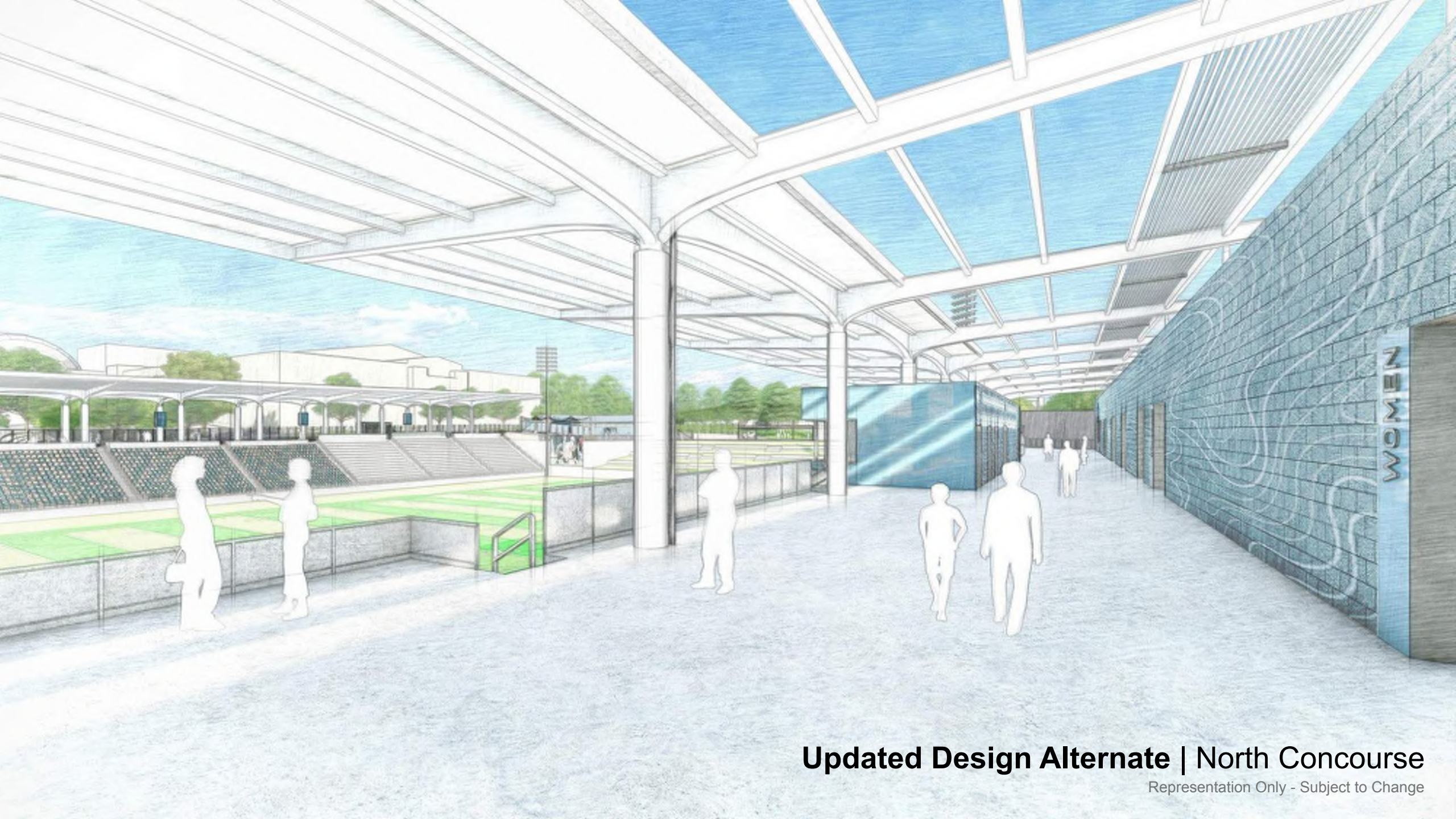
Previous Design | North Concourse

Representation Only - Subject to Change



Updated Design | North Concourse

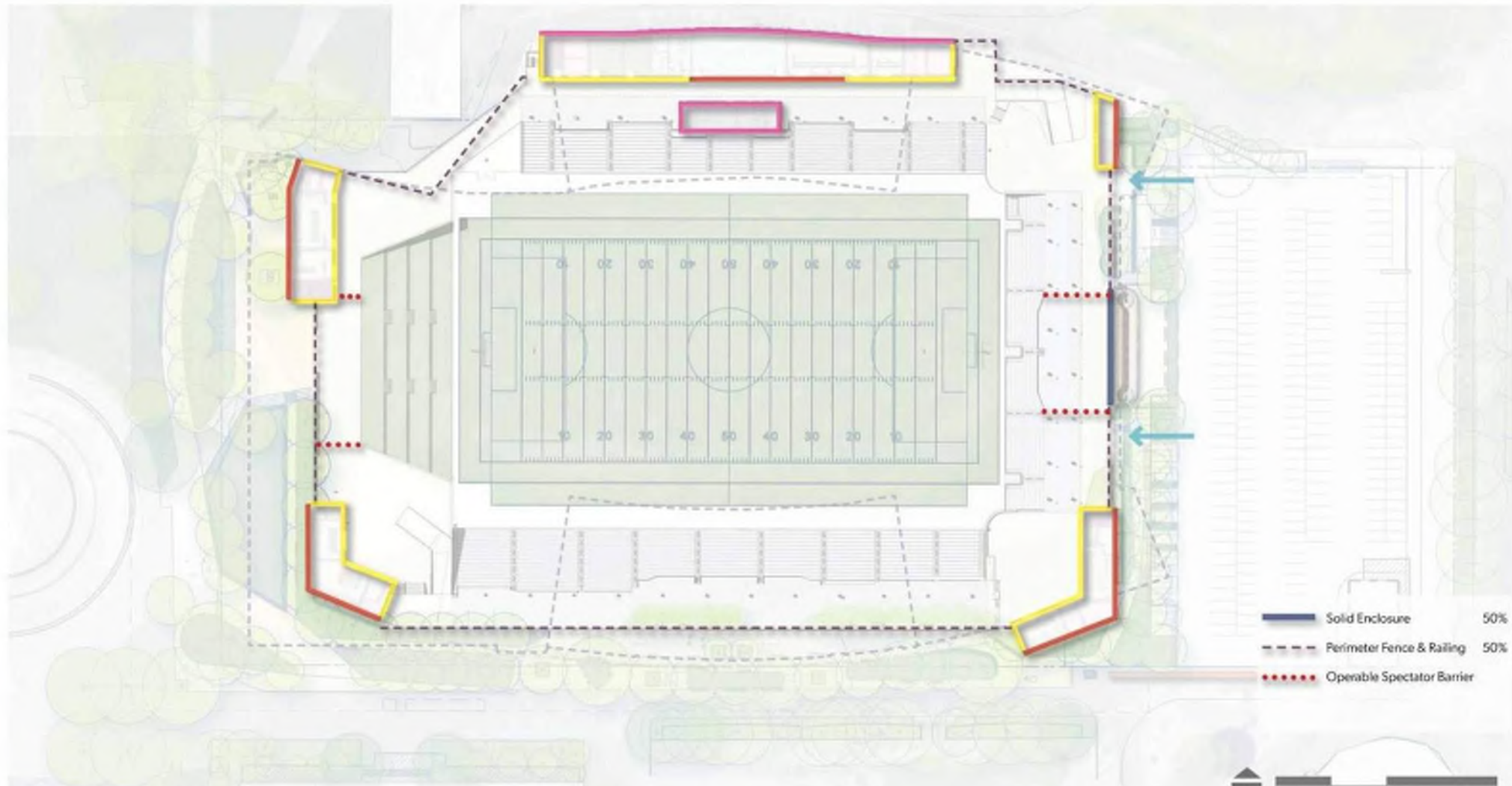
Representation Only - Subject to Change



Updated Design Alternate | North Concourse

Representation Only - Subject to Change

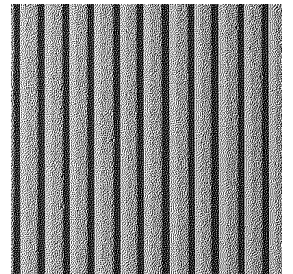
Materials / Enclosure



— Honed Color Block

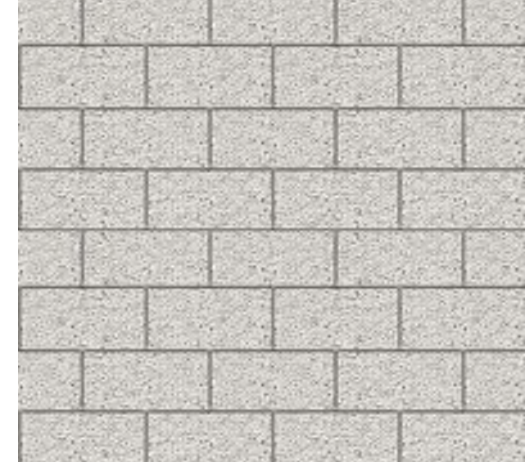


— CMU with Vinyl or Painted Graphic



— UHPC Architectural Panels

Material Study

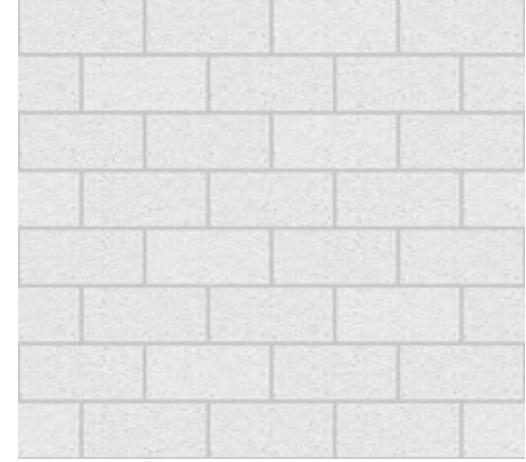


Honed Color Block

Material Study



CPKC Stadium

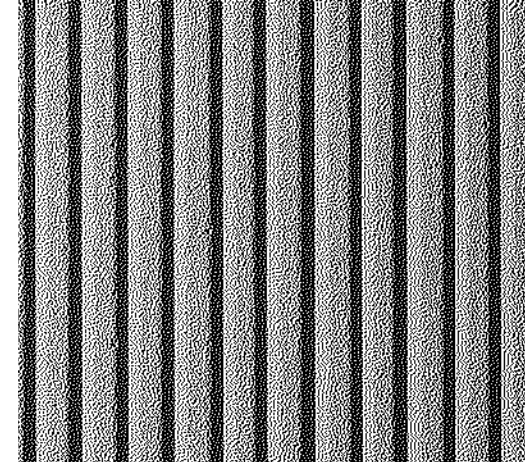


CMU with Vinyl or Painted Graphic

Material Study



TAKTL Paneling



**Ultra High Performance
Concrete Panels**

Material Study

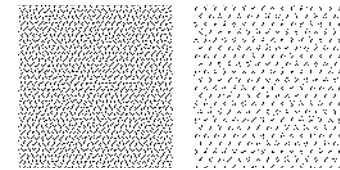


Single Layer ETFE Foil



Fritting Options

Solar Heat Gain



Material Properties

- Smooth low friction surface washes away bird droppings and dirt with the rain
- Supported by cable net

ETFE Precedent



Hayward Field

Eugene, OR

- Built in Spring 2020
- Track & field stadium employing ETFE for facade and roof canopy
- Single layer teflon ETFE supported by cable truss system
- 3 print densities

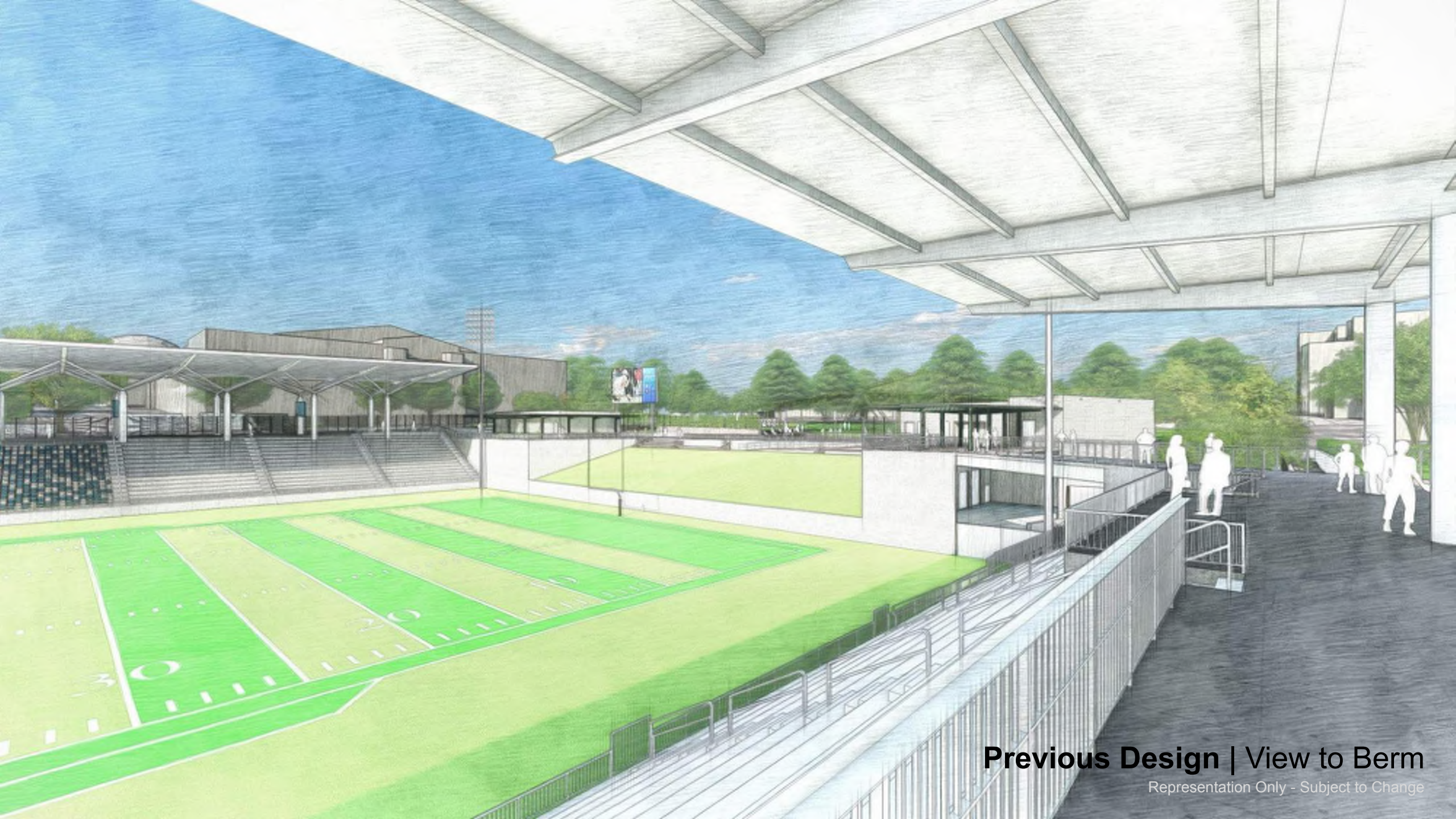
ETFE Precedent



Eden Project

Cornwall, UK

- Built in Spring 2001
- Botanical garden employing ETFE for domed biomes
- Teflon ETFE cushions on geodesic steel structure and single layer cable supported ETFE
- Translucent and fritted prints
- 23 years of material longevity so far



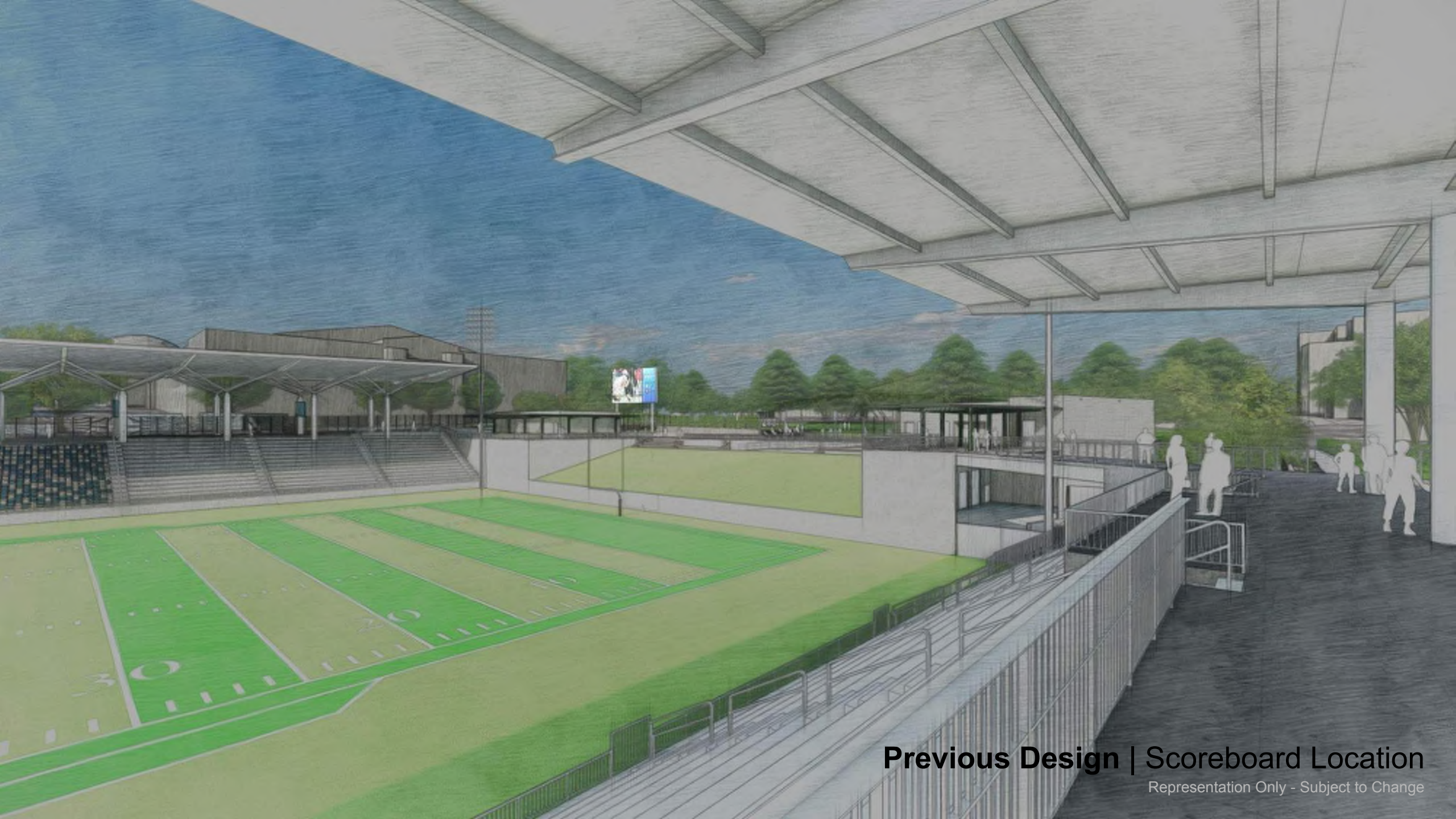
Previous Design | View to Berm

Representation Only - Subject to Change



Updated Design | View to Berm

Representation Only - Subject to Change



Previous Design | Scoreboard Location

Representation Only - Subject to Change



Updated Design | Scoreboard Location
Representation Only - Subject to Change



Previous Design | Scoreboard Location

Representation Only - Subject to Change



Updated Design | Scoreboard Location

Representation Only - Subject to Change



Updated Design | Northeast Pavilion

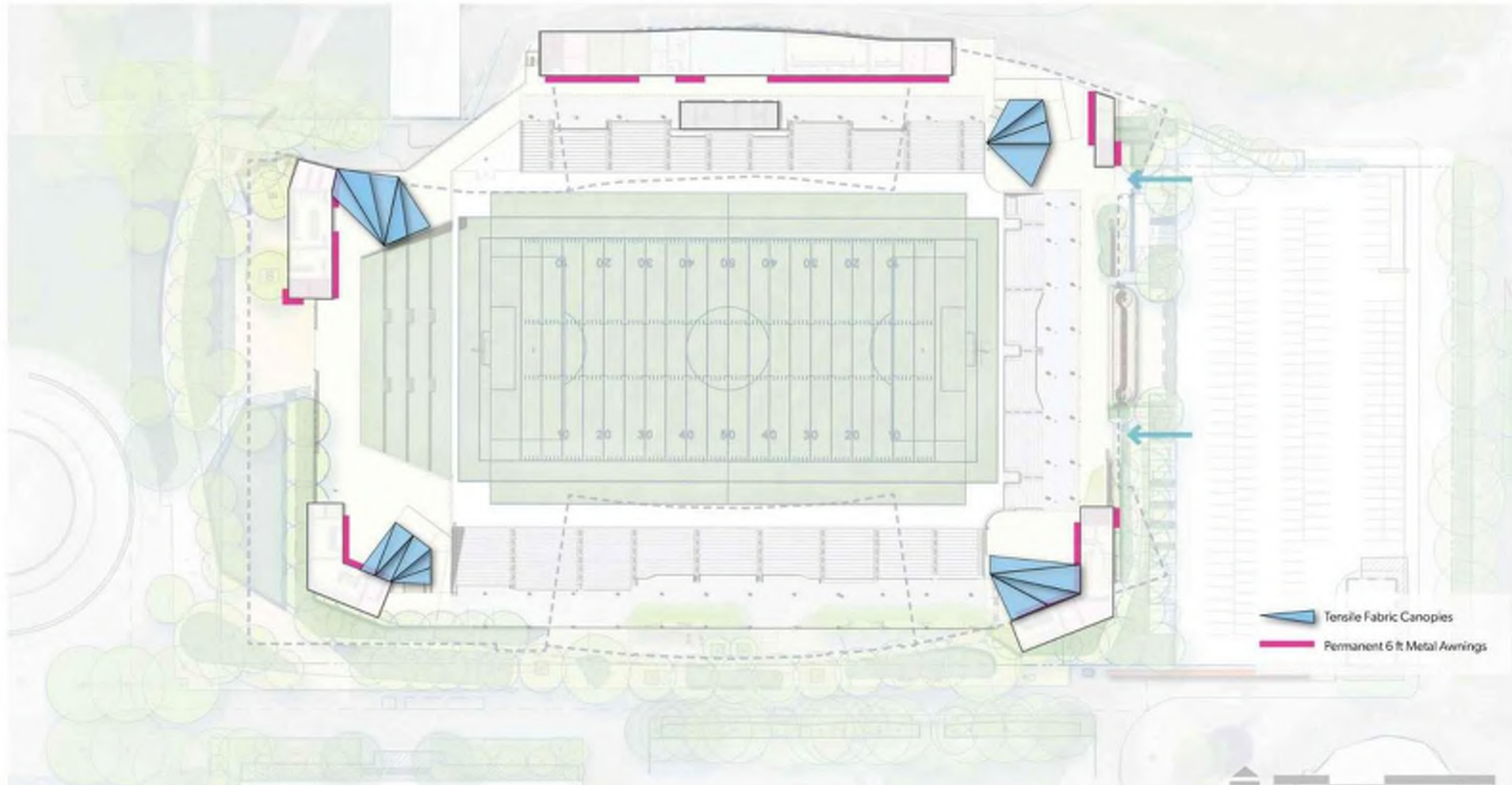
Representation Only - Subject to Change



Updated Design | Northwest Pavilion

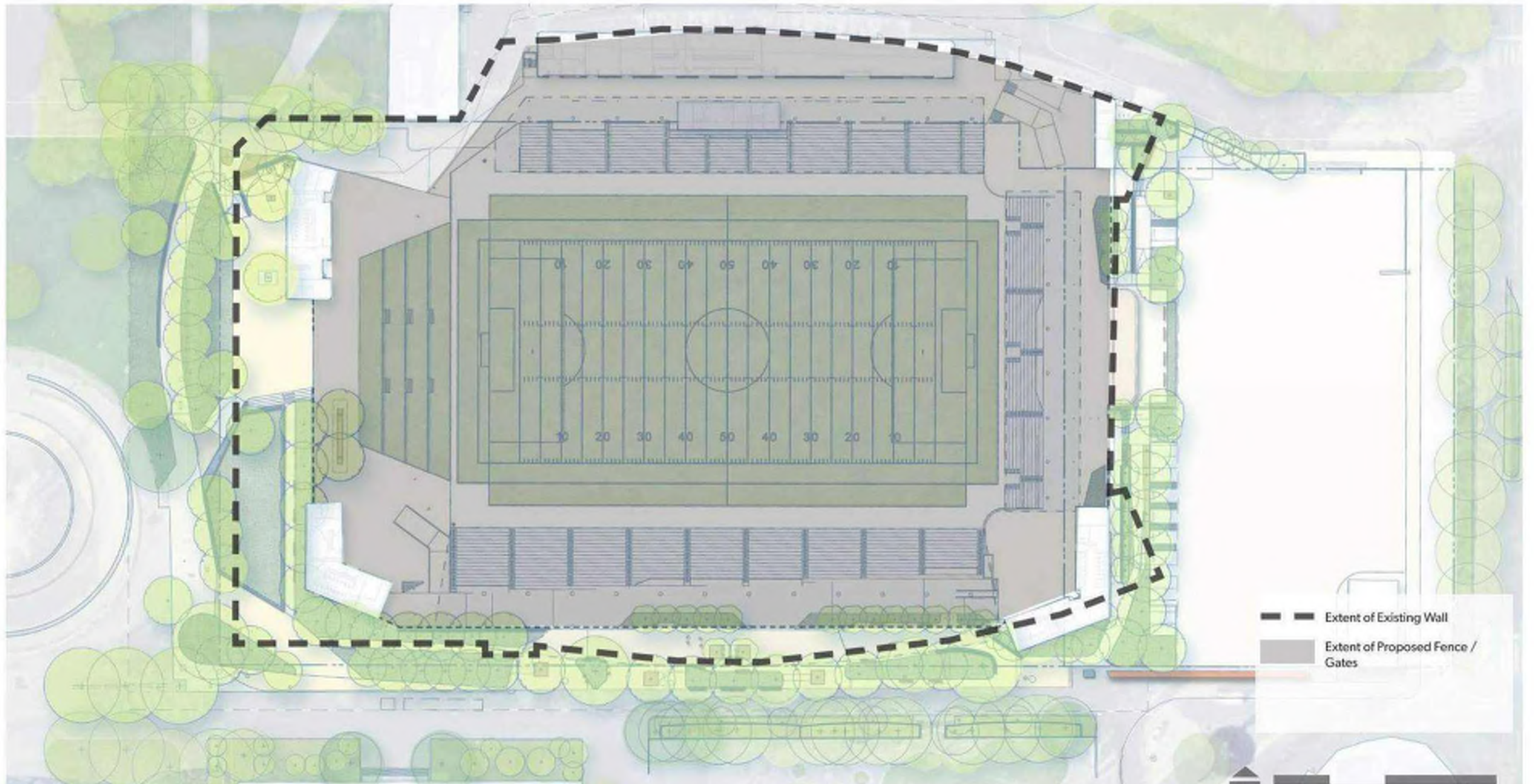
Representation Only - Subject to Change

Awning Coverage



An aerial night photograph of Seattle, Washington, featuring the Space Needle on the left and a dense urban landscape with illuminated buildings and streets. The image is dark, with the city lights providing the primary illumination.

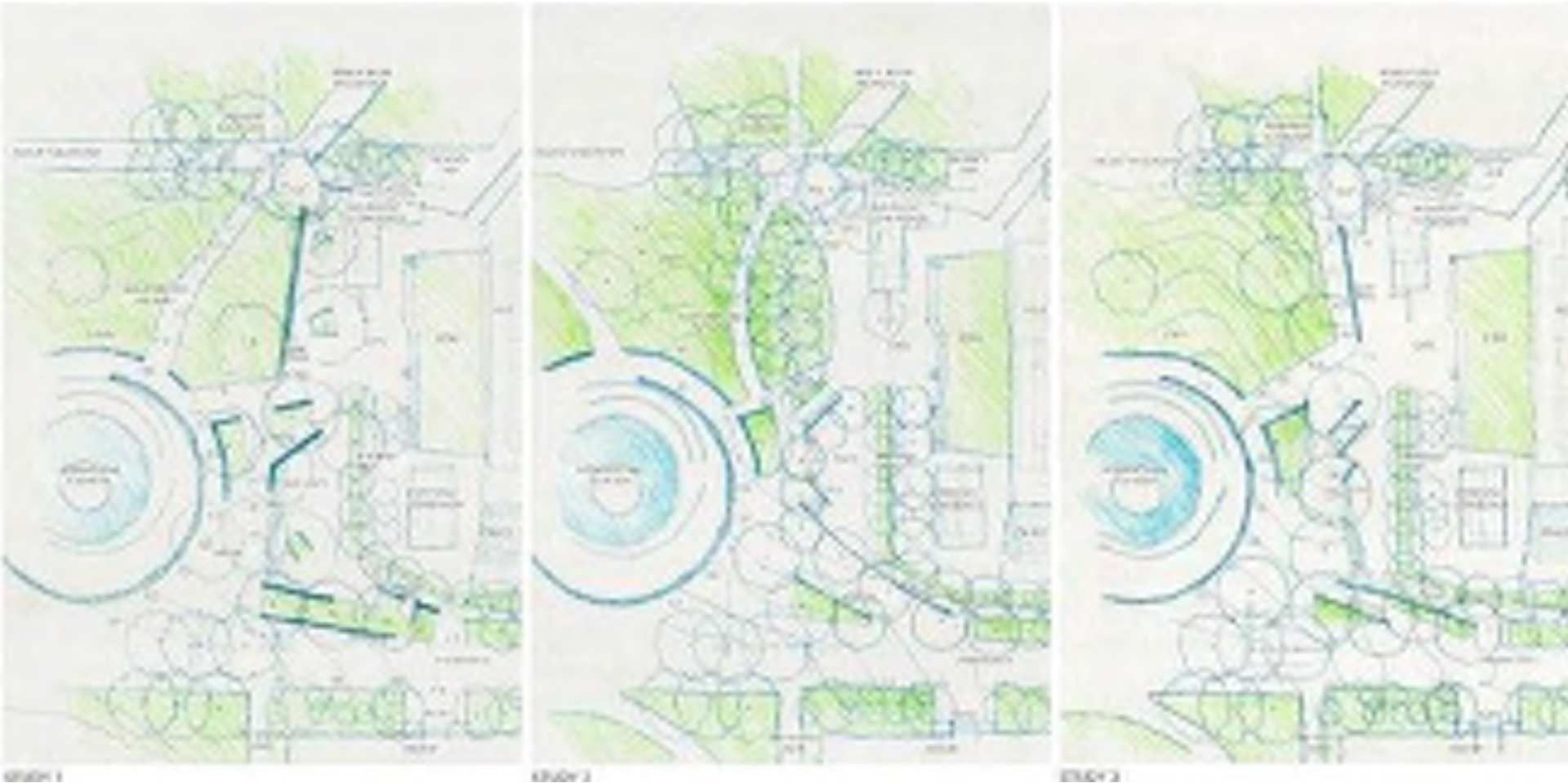
Site Program / Design



Scope / Extent

Site Plan

Master Plan Studies

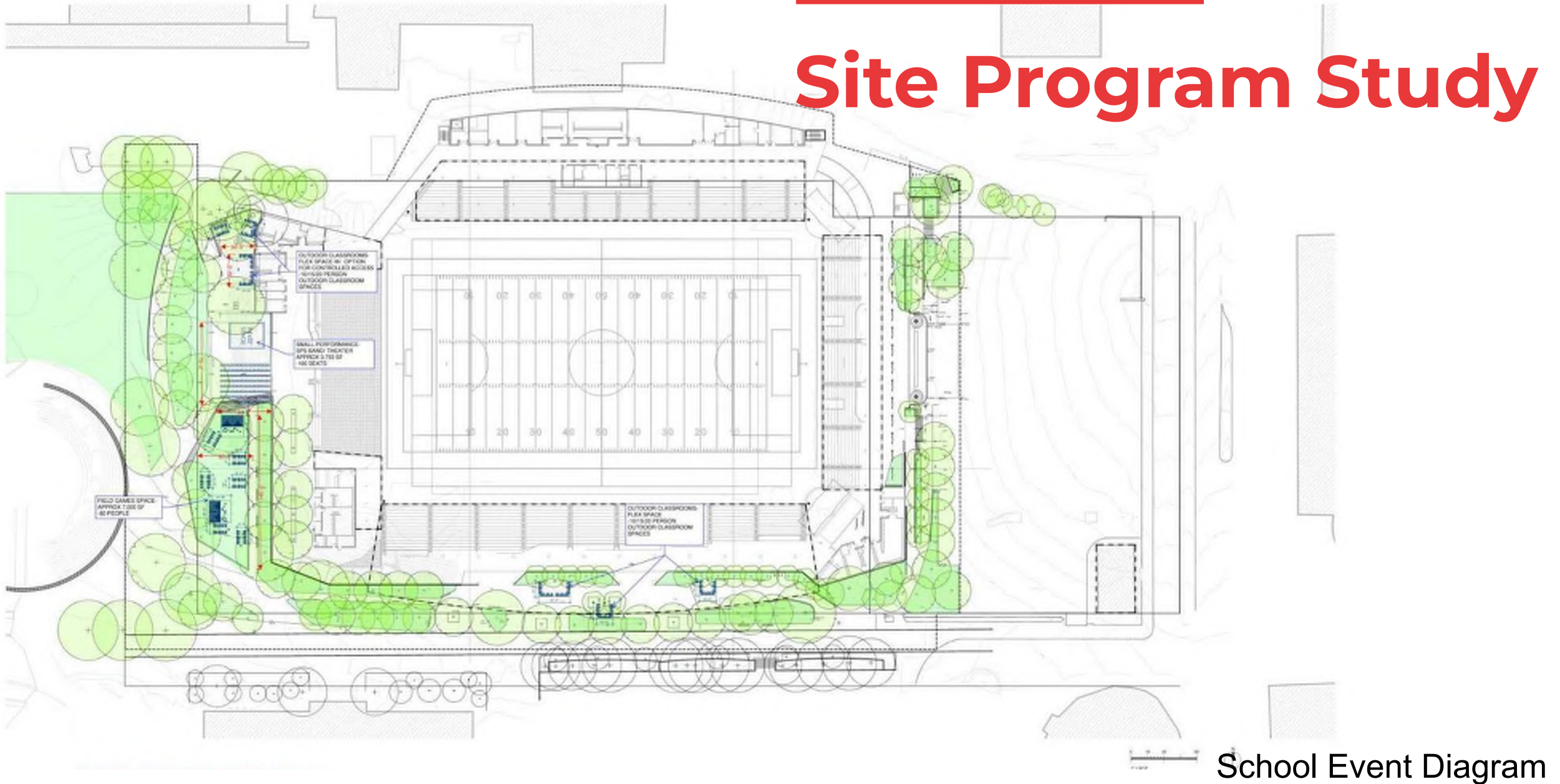


Seattle Center Comments:

- Simplify design strategy and create simplified spaces.
- Test event/program layout and vehicle access.
- Maximize function and retain campus character.
- Large trees are desired for shade and scale.
- Align 3rd Avenue to respond to Kreielsheimer Promenade and concurrently maintain orthogonal street grid.
- Develop intimate and large gathering spaces with a balance between paved and lawn areas.

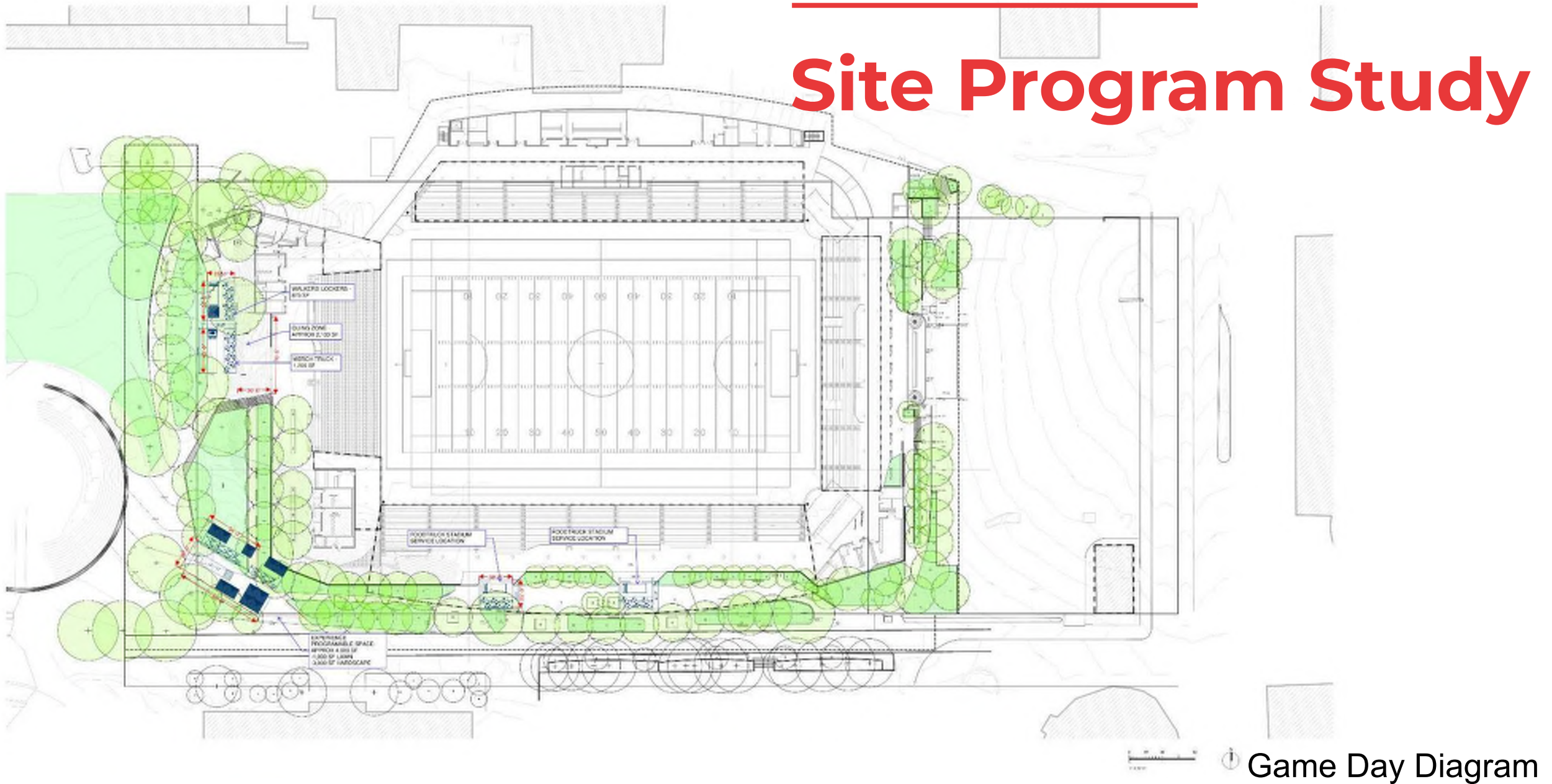
Western District Option Studies

Site Program Study

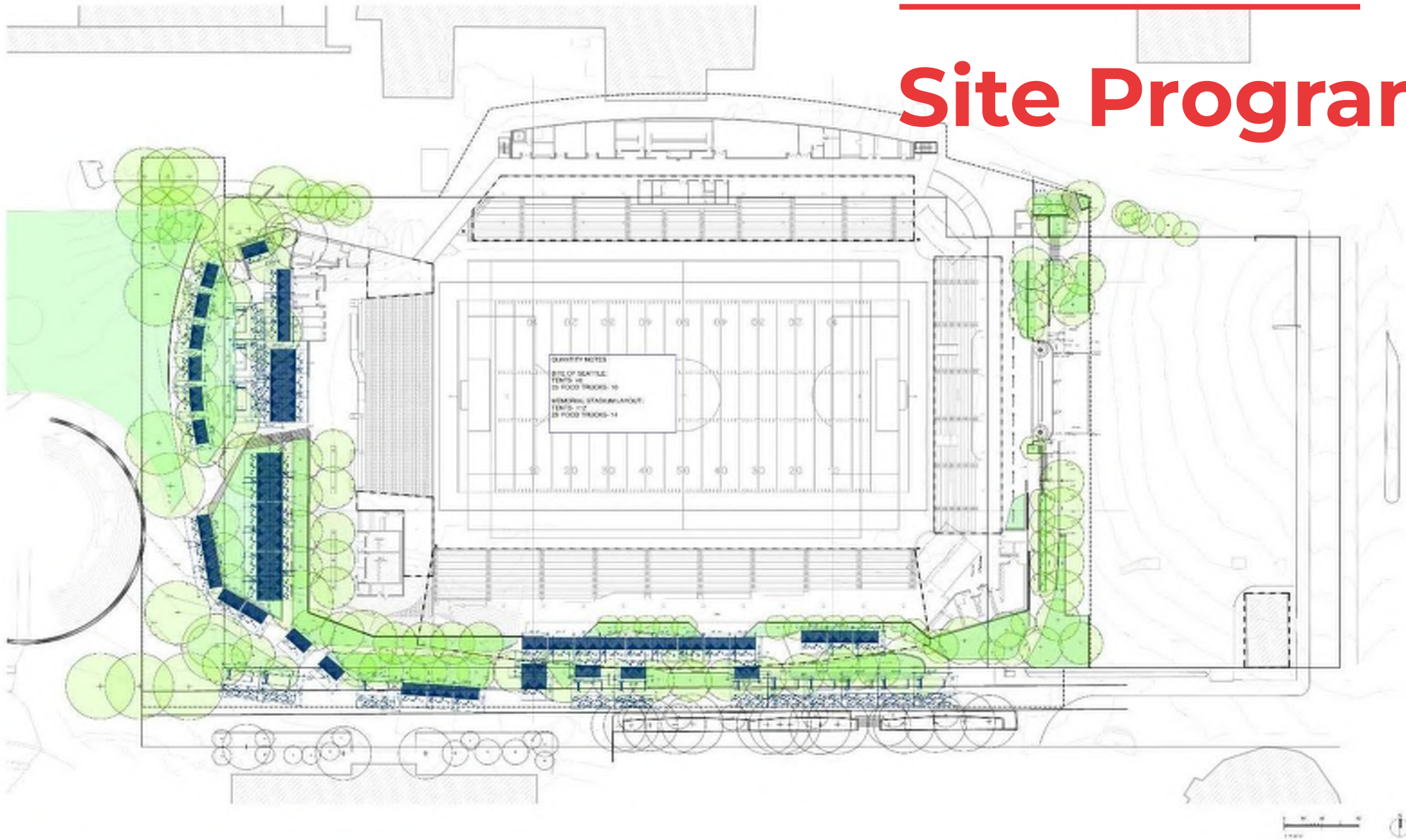


School Event Diagram

Site Program Study

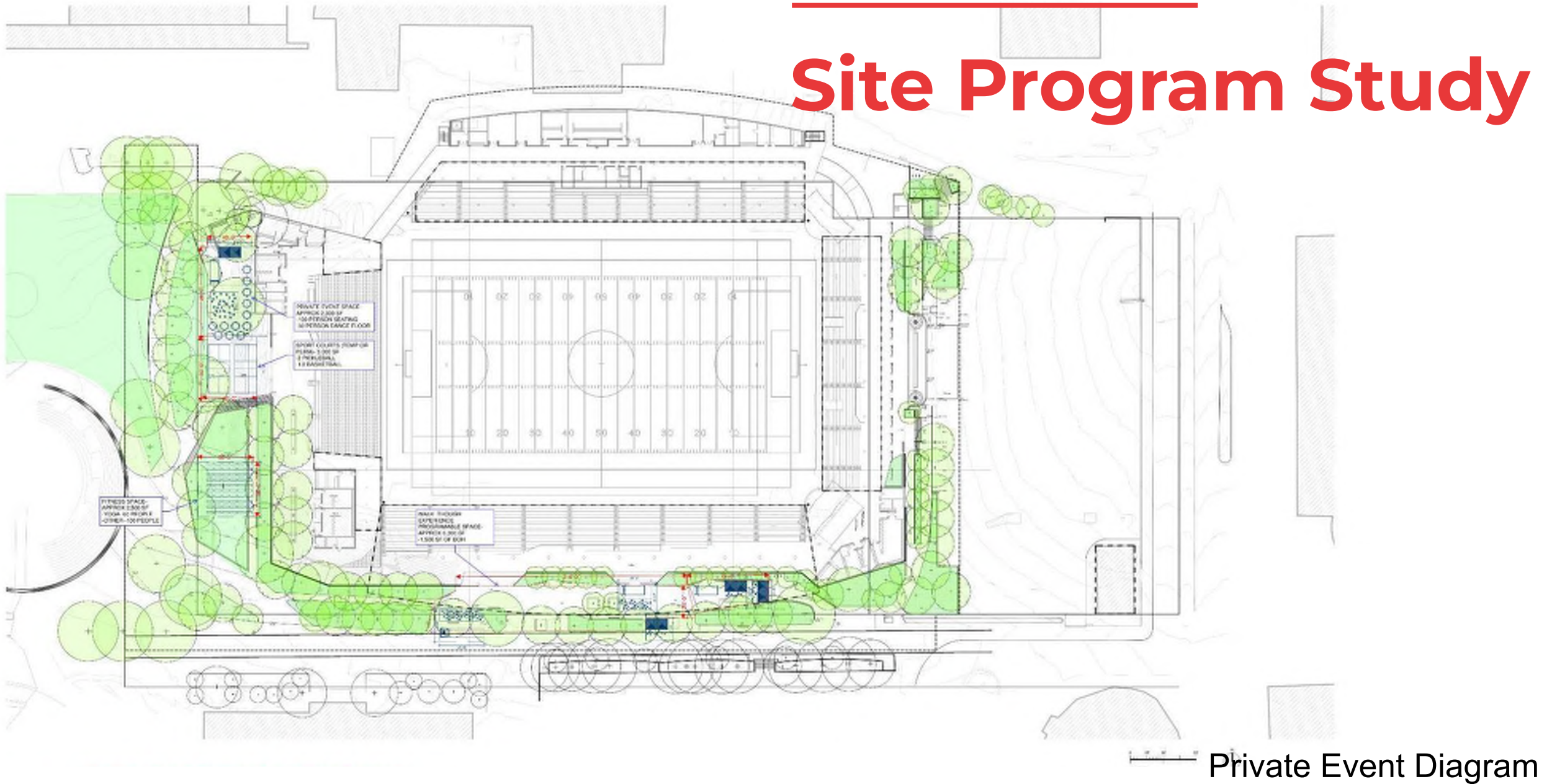


Site Program Study

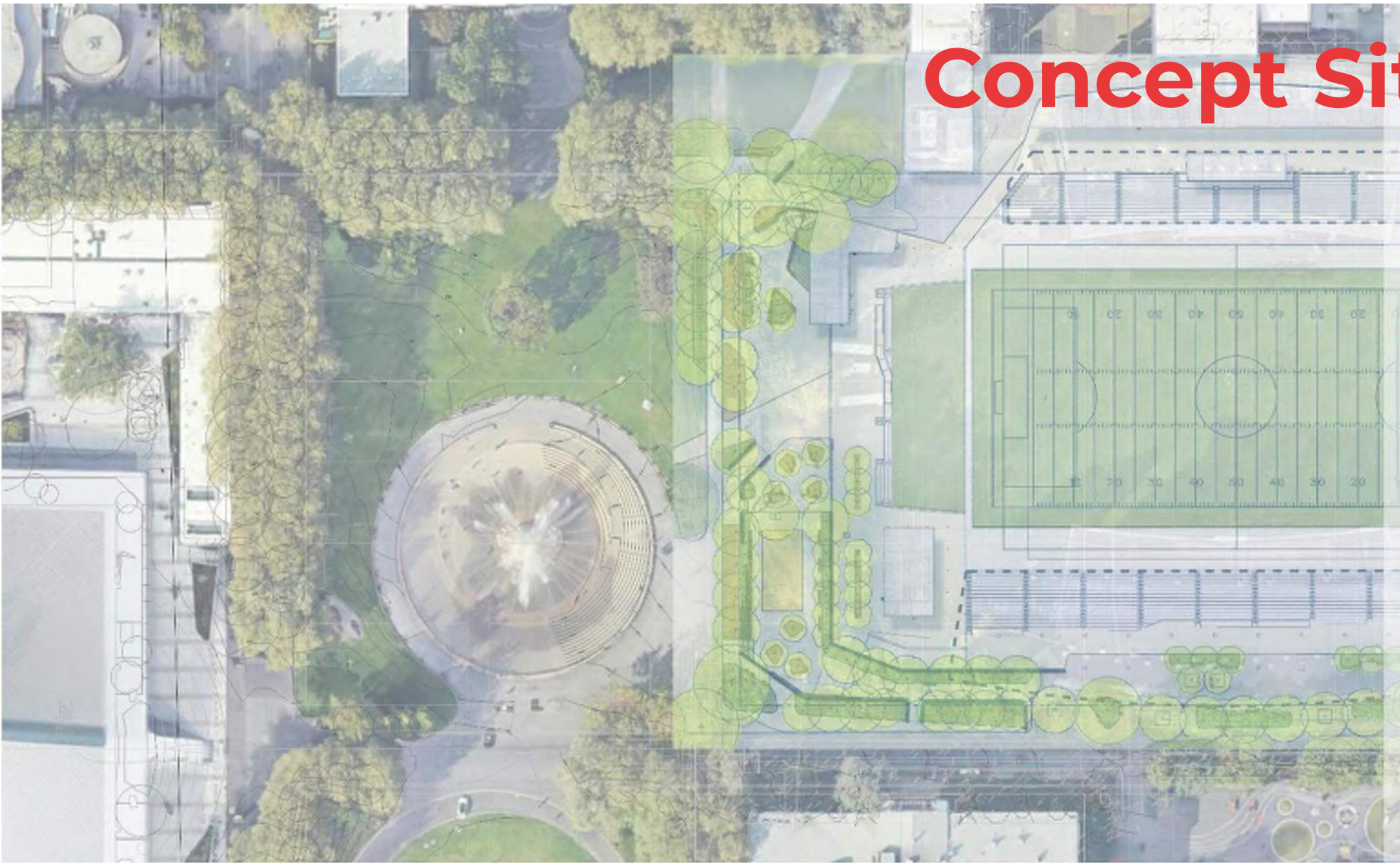


Festival Diagram

Site Program Study



Private Event Diagram

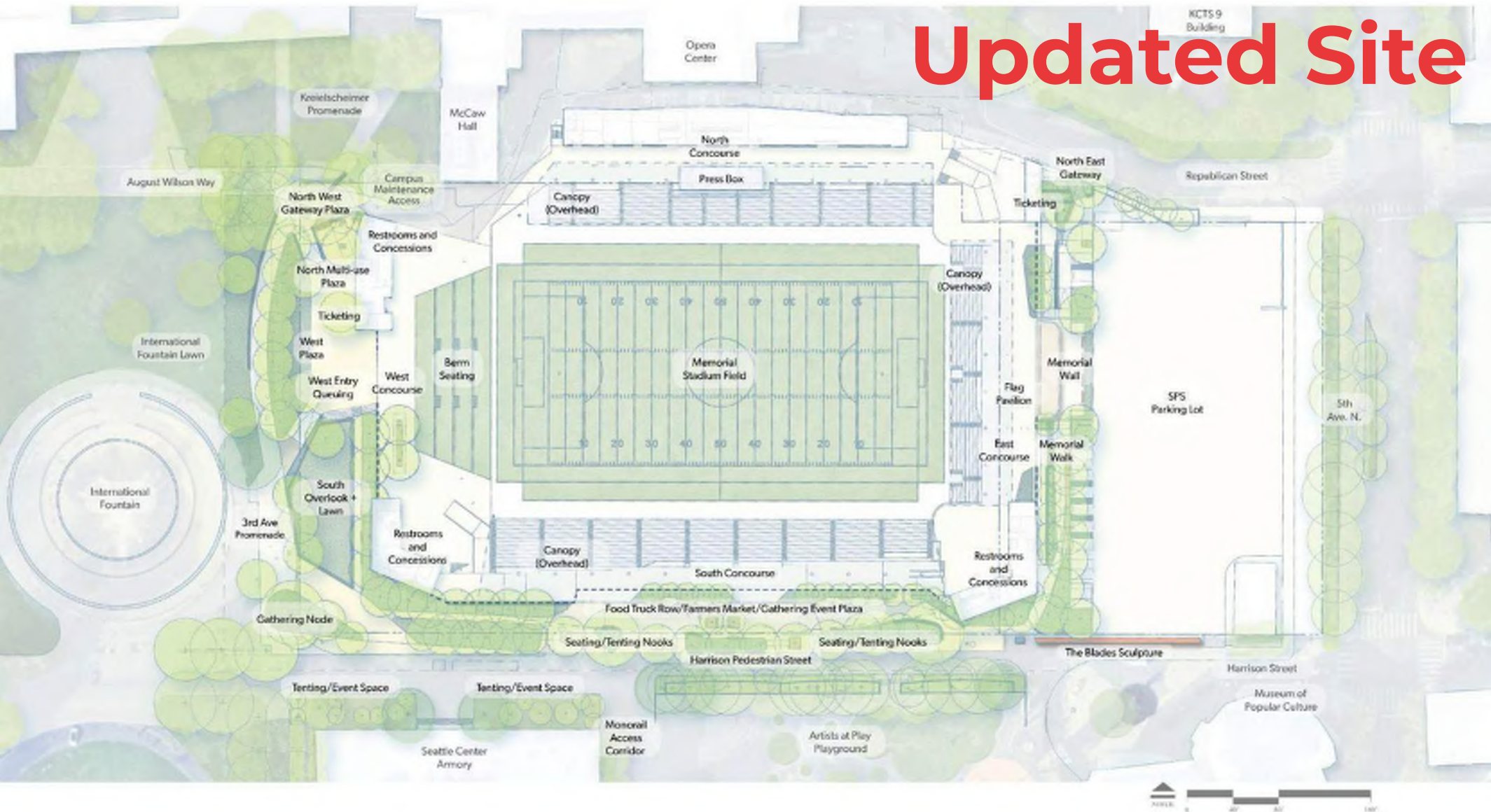


Concept Site Plan

Updated Site Plan

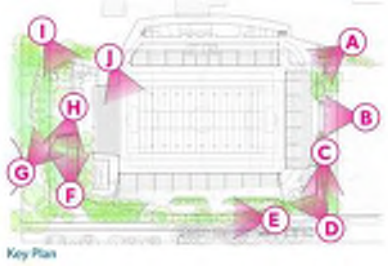


Updated Site Plan



Northwest Site Plan





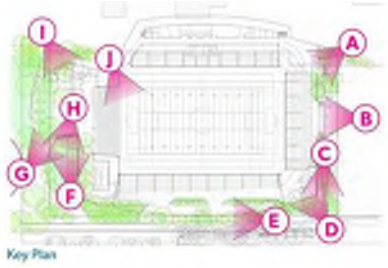
Existing/Proposed



Existing: North West Field Looking South East



Proposed: North West Field Looking South East



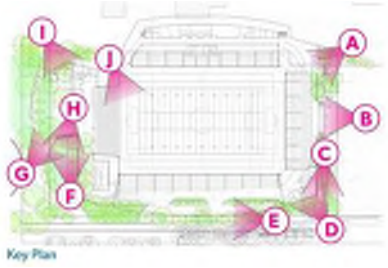
Existing/Proposed



Existing: August Wilson Way and 3rd Ave Intersection Looking South



Proposed: August Wilson Way and 3rd Ave Intersection Looking South



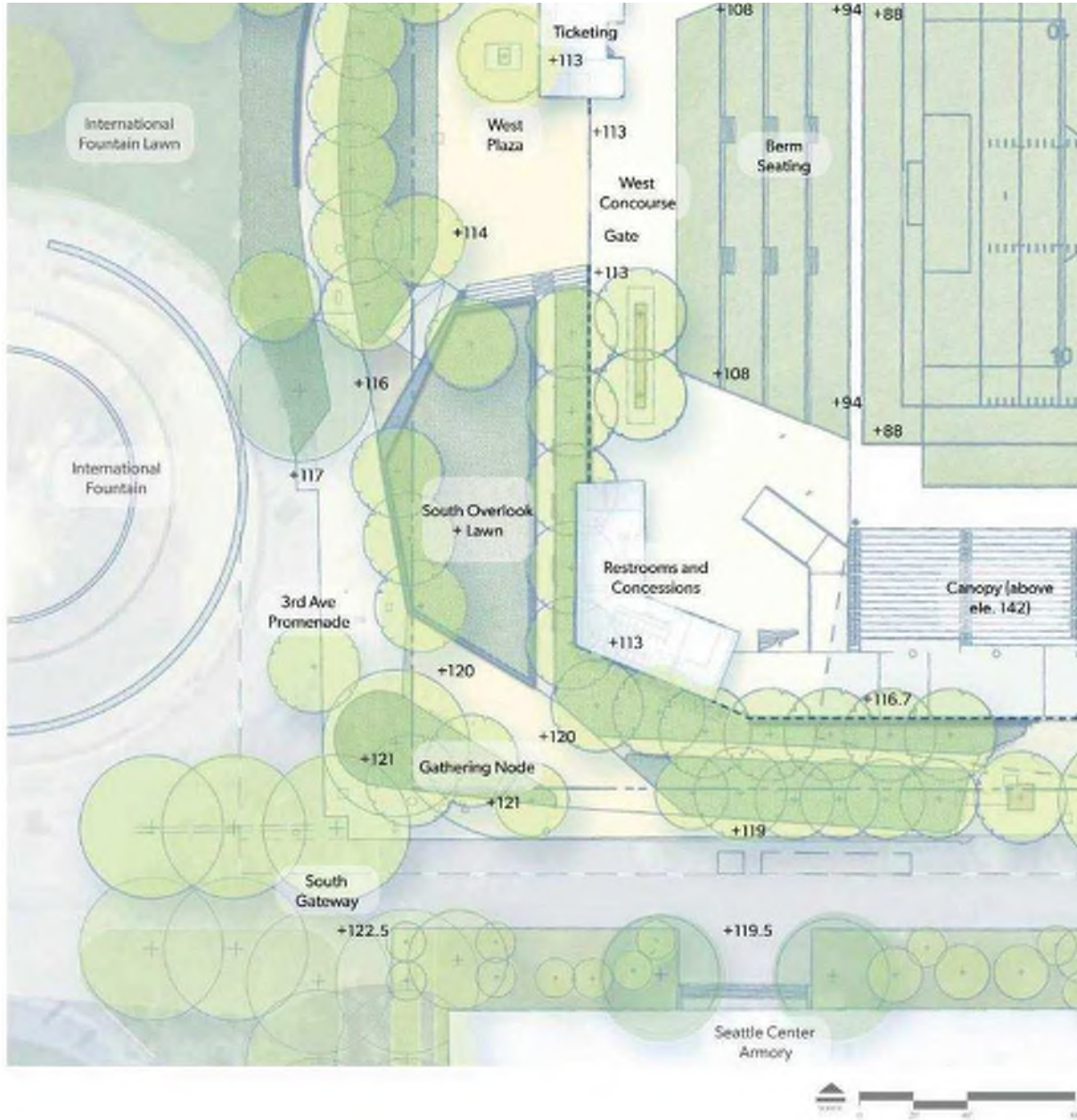
Existing/Proposed



Existing: 3rd Avenue Looking South

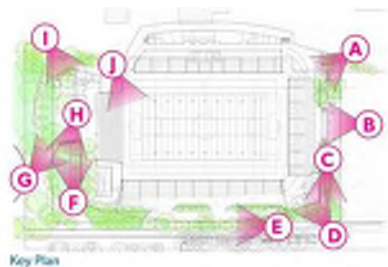


Proposed: West Entry Plaza Looking South



Southwest Site Plan





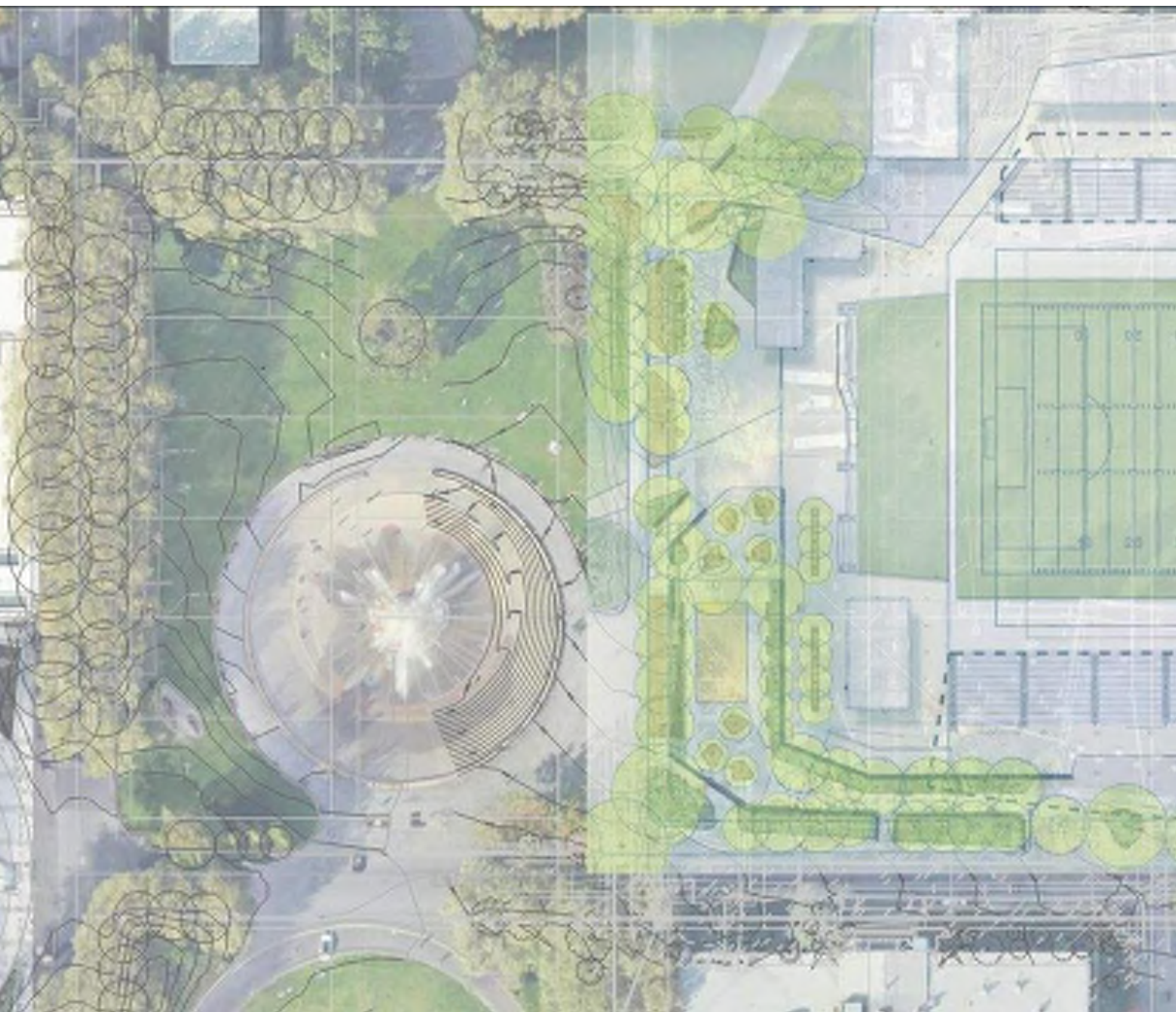
Existing/Proposed



Existing: International Fountain Looking North East



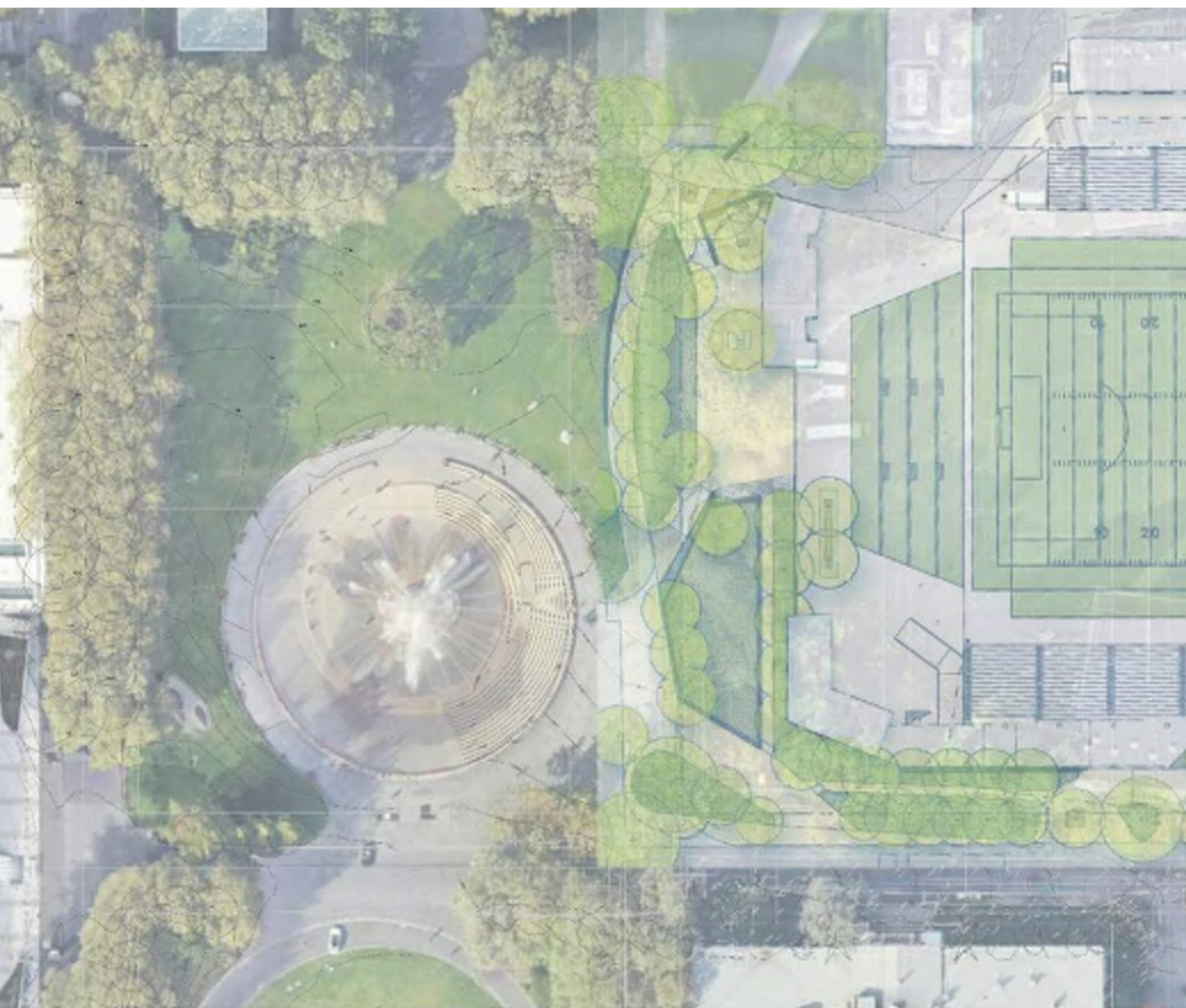
Proposed: International Fountain Looking North East



SDC Subcommittee

The Commission also adopted a condition that a subcommittee be convened to evaluate concept level design alternatives for the west portion of the project. The goal for the subcommittee is to understand and explore with the project team the range of possible options for the portion of the site adjacent to the International Fountain lawn to reduce physical and visual barriers and enhance and elevate this key open space in the heart of the campus. At this subcommittee, the Commission's evaluation will include:

1. How the west Memorial Stadium project elements (architecture, landscape architecture, elevation, terracing and other design elements) and the stadium-related program needs of these elements can contribute to the open space and connections through the Seattle Center.
2. How physical and visual relationships to other iconic elements and view corridors between iconic elements (International Fountain, Space Needle, McCaw Hall, Armory, etc.) are protected and enhanced by the design elements on the perimeter of the Stadium project.



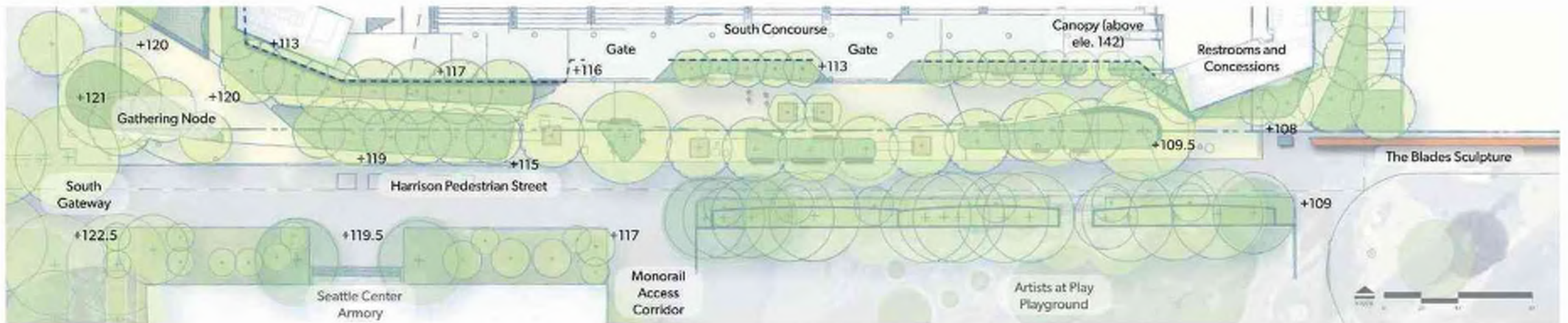
SDC Subcommittee Comments

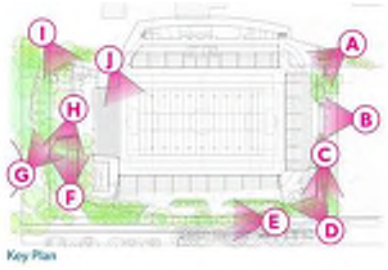
- Appreciated the western side site development, including path alignments, view corridors, relationship to International Fountain, topography, Kreielscheimer Promenade and center of campus. Recommended further evaluation of informal stage area and geometry and scale of curved walk and elevated lawn area.
- Support removal of opaque wall and replacement with fence system with selective location of vines and/or panels.
- Consider developing pavilions with access from both sides.
- Evaluate the stadium canopy material to address debris build up.
- Appreciated the approach to finding the programmatic and design balance serving both the SPS and Seattle Center.
- Identified the campus alignment variation of 3rd Avenue corridor and location of iconic mature trees.
- Discussed the character of the stadium, the site and relationship of views to and from Seattle Center and the stadium. Site walk illustrated the multiple opportunities for views of and to iconic Seattle Center elements and minimal impact of Stadium on iconic elements.



Y PLAN

South Site Plan





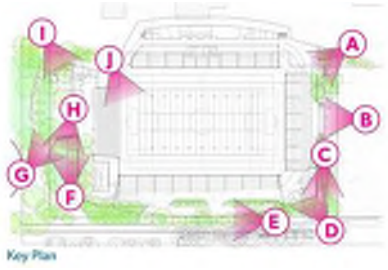
Existing/Proposed



Existing: Harrison Street Looking West



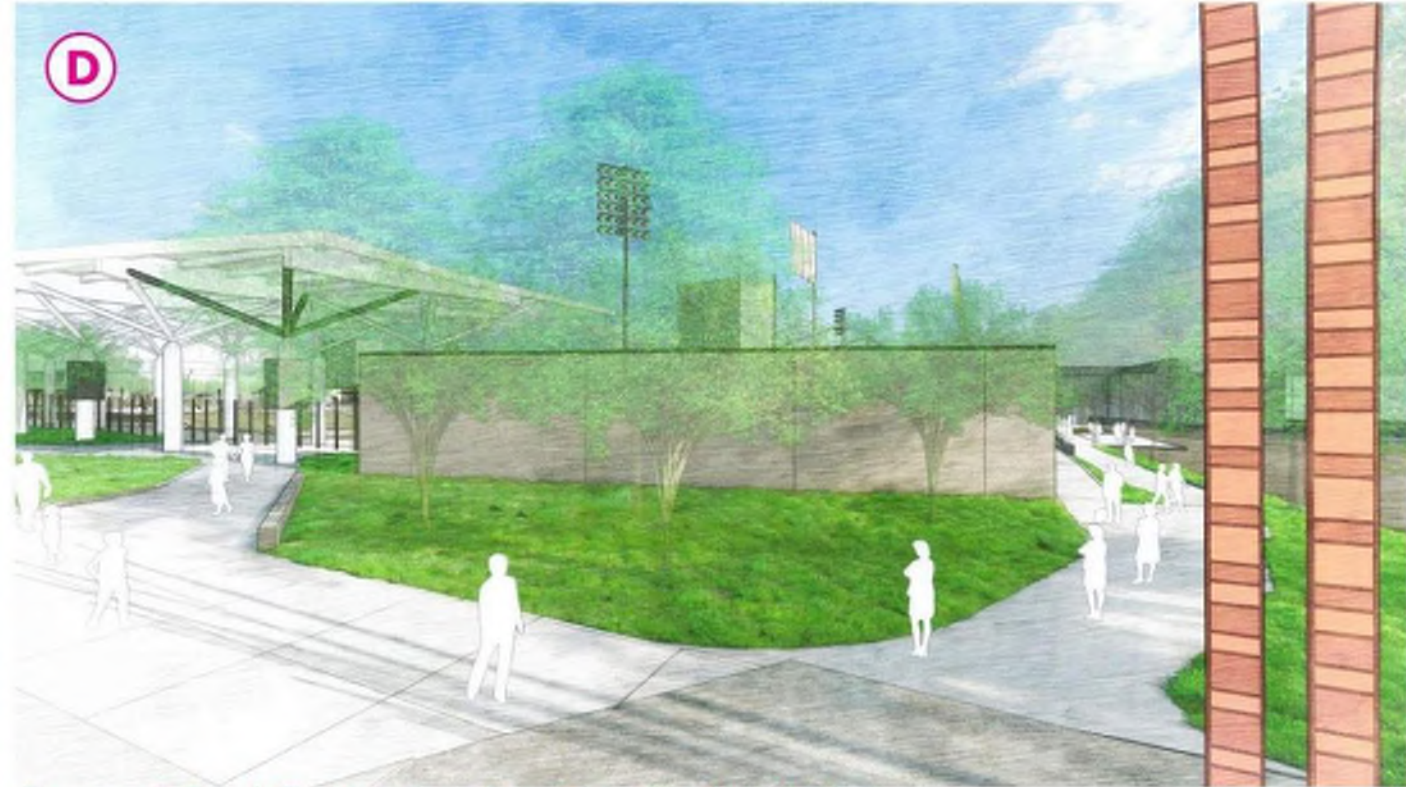
Proposed: Harrison Street Looking West



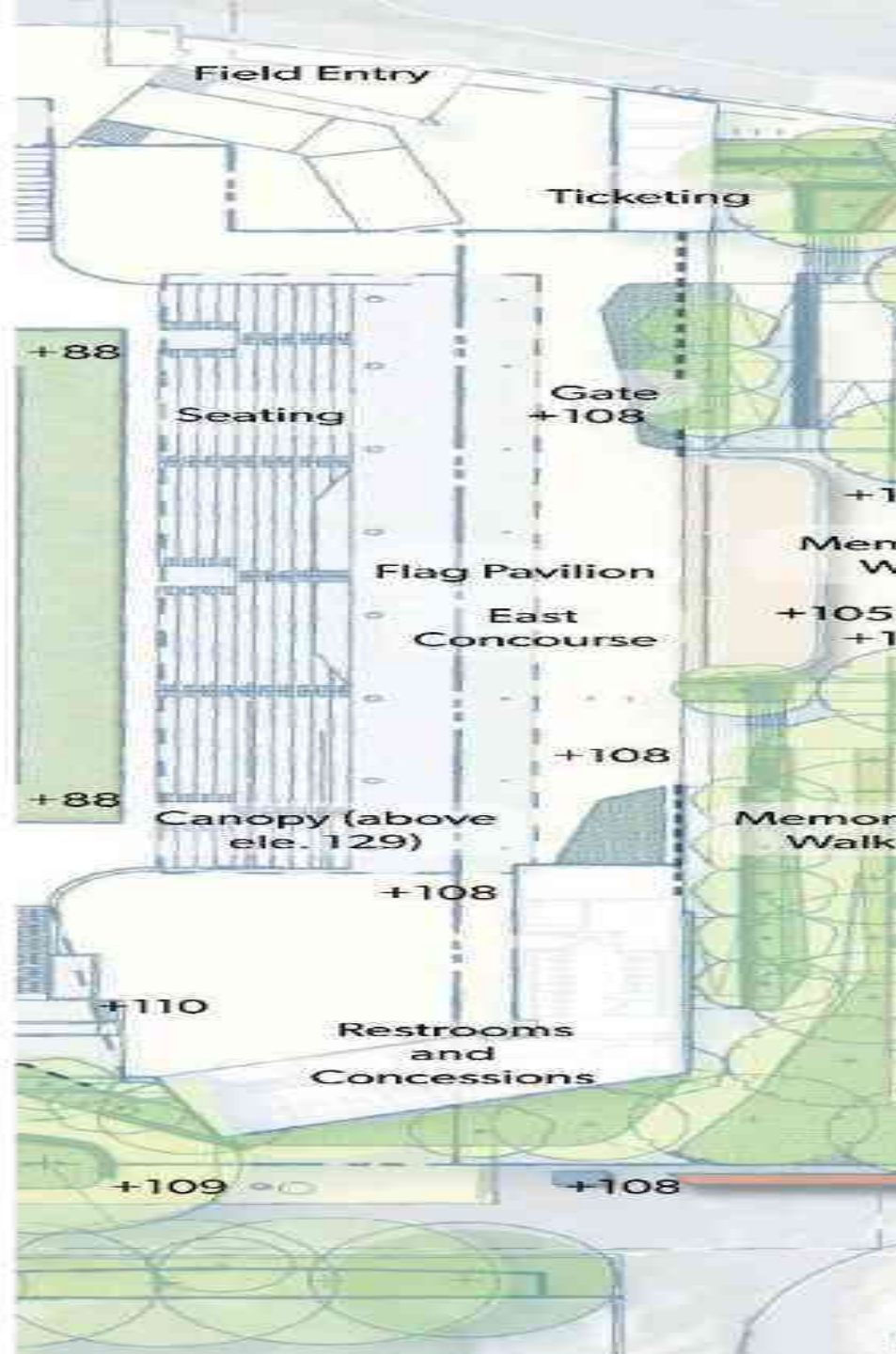
Existing/Proposed



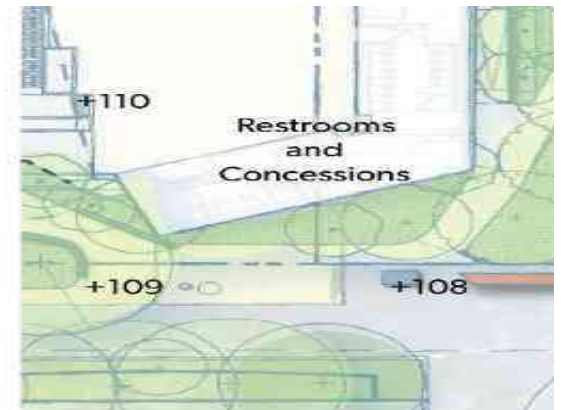
Existing: South East Harrison Street Looking North West



Proposed: South East Harrison Street Looking North West



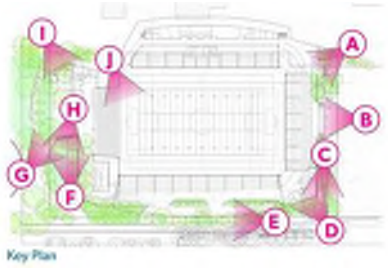
East Site Plan





Updated Design | Visitor Entrance

Representation Only - Subject to Change



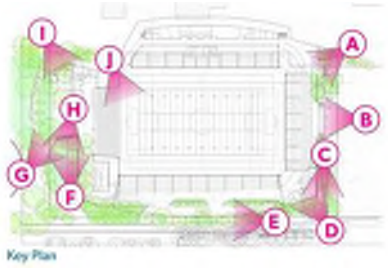
Existing/Proposed



Existing: East Parking Lot Looking South



Proposed: East Parking Lot Looking South



Existing/Proposed



Existing: Memorial Wall Looking West



Proposed: Memorial Wall Looking West

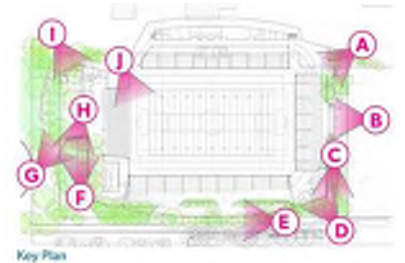


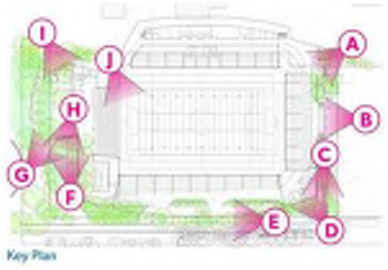
Existing: Memorial Stadium Parking Lot Looking Southwest



Proposed: Memorial Stadium Parking Lot Looking Southwest

Existing/Proposed





Existing/Proposed



Existing: Memorial Wall Looking West



Proposed: Memorial Wall Looking West

An aerial night photograph of Seattle, Washington, featuring the Space Needle on the left and a large stadium in the center. The word "Sustainability" is overlaid in large white text. Two horizontal red lines are positioned above and below the text.

Sustainability

Sustainable Design

The team has continued to find ways to design sustainably and meet Energy Code. Some high points:

- 50 kW array of Solar panels to be installed on roof of North concourse building.
- Fault Detection and Diagnostics
- 20% Reduction in Lighting Power
- Enhanced Envelope Performance
- 25% carbon reduction in concrete from a baseline.
- 85-90% recycled steel.
- Complete reuse and repurpose of woody debris.
- 15,000 to 17,000 tons of existing concrete will be turned to rubble for use as fill.
- Passive stormwater collection and reuse of stormwater.
- Climate adaptive plant selection for biodiversity
- White roofs and canopies with high solar reflectance
- Ample space for separation of waste streams, including trash, recycling, and composting.
- On-site EV charging of service vehicles
- Stadium design will be universally accessible for patrons with disabilities.
- The stadium will provide accommodating spaces for a wide demographic, including wellness rooms and all gender restrooms.

An aerial night photograph of Seattle, Washington, featuring the Space Needle on the left, a large stadium in the center, and various city buildings and streets. The image is dark with city lights providing illumination. Two horizontal red lines are positioned above and below the word "Lighting".

Lighting

Design Drivers

Greater Context of Seattle Center



Memorial Stadium will cohesively integrate with the larger Seattle Center campus through thoughtful lighting design.

Flexibility for Events and Non-Event Conditions



By designing an illuminated environment that functions seamlessly for both event and non-event scenarios, lighting will define inviting gathering spaces, whether for vibrant social events or quiet strolls through Seattle Center.

Reinforcing Wayfinding and Placemaking



The lighting at Memorial Stadium will help direct visitors between destinations to balance wayfinding and placemaking throughout the site.

Enhance Feelings of Safety and Security



Lighting is essential for creating a sense of safety and security after dark, allowing visitors to move confidently throughout their surroundings.

Luminous Quality

Lighting can be applied to a site through various means, creating visual interest while maintaining functionality.

Luminous



Direct



Indirect/Shielded



Lighting Techniques

Lighting can be applied to a site through various means, creating visual interest while maintaining functionality.

Uniform Illumination



Highlighting Materials



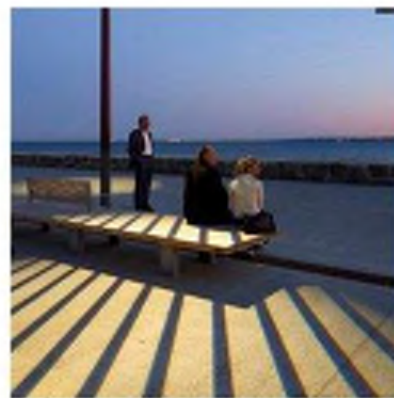
Rhythmic Procession

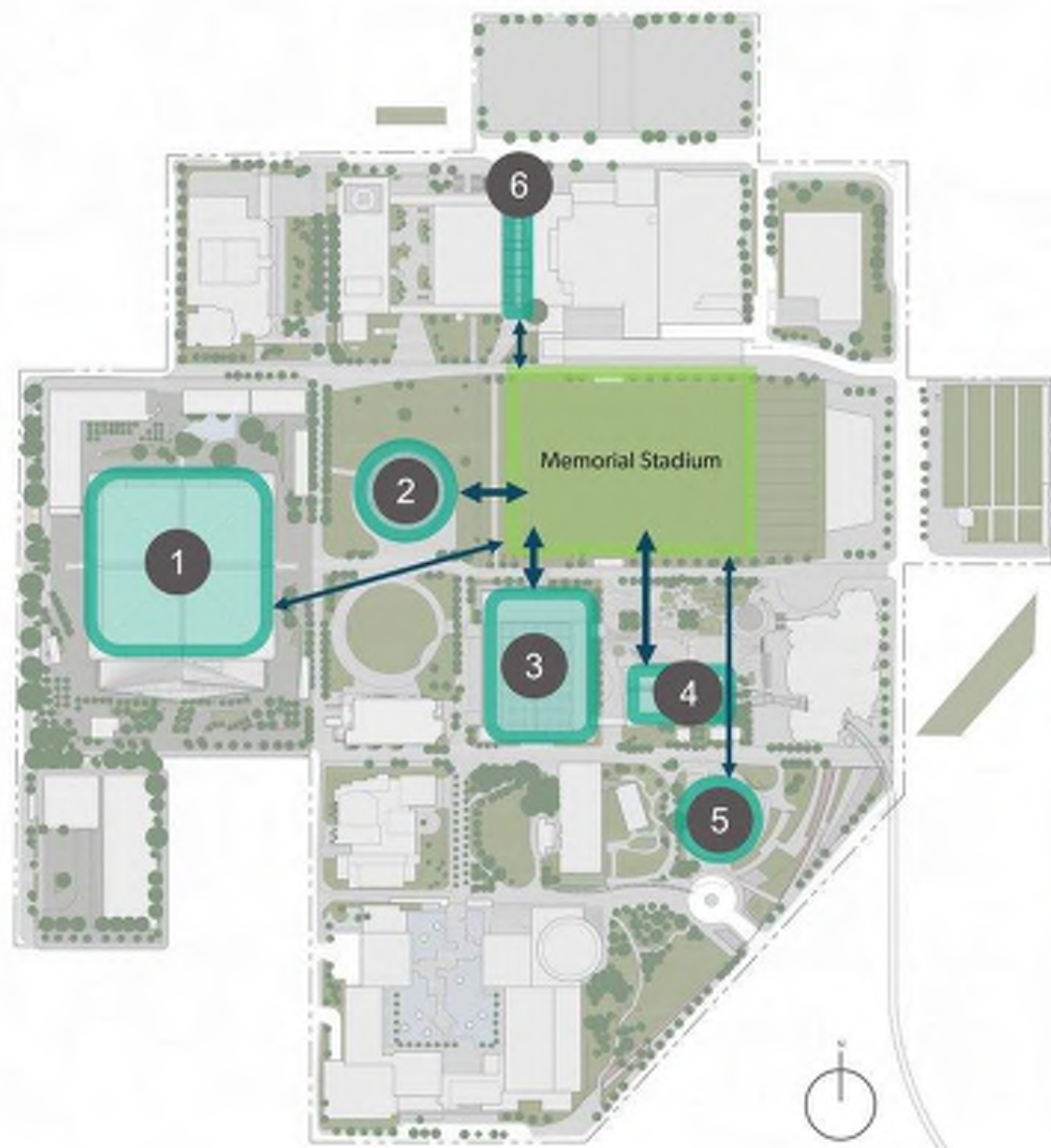


Patterned Illumination



Pools of Light





Campus Scale Connection

Memorial Stadium exists within the larger Seattle Center campus context, with connecting views between other high-visibility elements.



1 Climate Pledge Arena



2 International Fountain



3 Armory



4 Monorail Station



5 Space Needle



6 McCaw Hall

Campus Elements After Dark

Large scale campus elements have different visual qualities during the day and after dark.



1 Climate Pledge Arena



2 International Fountain



3 Armory



4 Monorail Station



5 Space Needle



6 McCaw Hall





Louis Poulsen Nyhavn*




New Fixture: Louis Poulsen
Albertslund

* Seattle Center is in the process of replacing the existing fixture with the Albertslund fixture.

Adjacent Elements

Lighting will be designed to interact with existing adjacent elements.




 Harrison Street



 Grass Blade Sculpture



 International Fountain

Lighting for Placemaking

Placemaking after dark is supported by lighting at a variety of scales, with careful application of luminous objects, and material highlights.

Scale



Small Gathering



Large Events

Lighting Quality



Self-Luminous



Object Based

Areas:

- North West Gateway Plaza
- North Multi-use Plaza
- West Plaza
- South Outlook + Multi-use Court
- Seating/Gathering Node
- Food Truck Row/Farmers Market/Gathering Event Plaza



Lighting for Wayfinding

Lighting supports wayfinding by creating legible pathways after dark.

Site Circulation

Visitors are guided and directed to and through the site with lighting at a variety of scales.



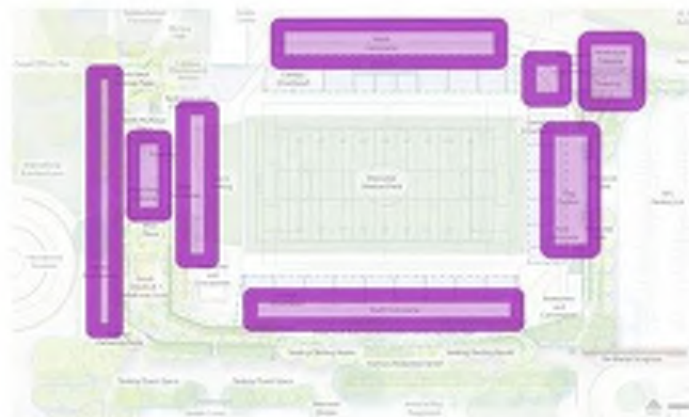
Concourses

Concourse areas will be illuminated with direct, uniform light to identify circulation zones.



Areas:

- 3rd Ave Promenade
- West Entry Queuing
- West Concourse
- Harrison Pedestrian Street
- North Concourse
- North Entry Gateway
- Ticketing
- East Concourse



Memorial Wall

Soft, quiet illumination highlights the solemnity of the Memorial Wall.



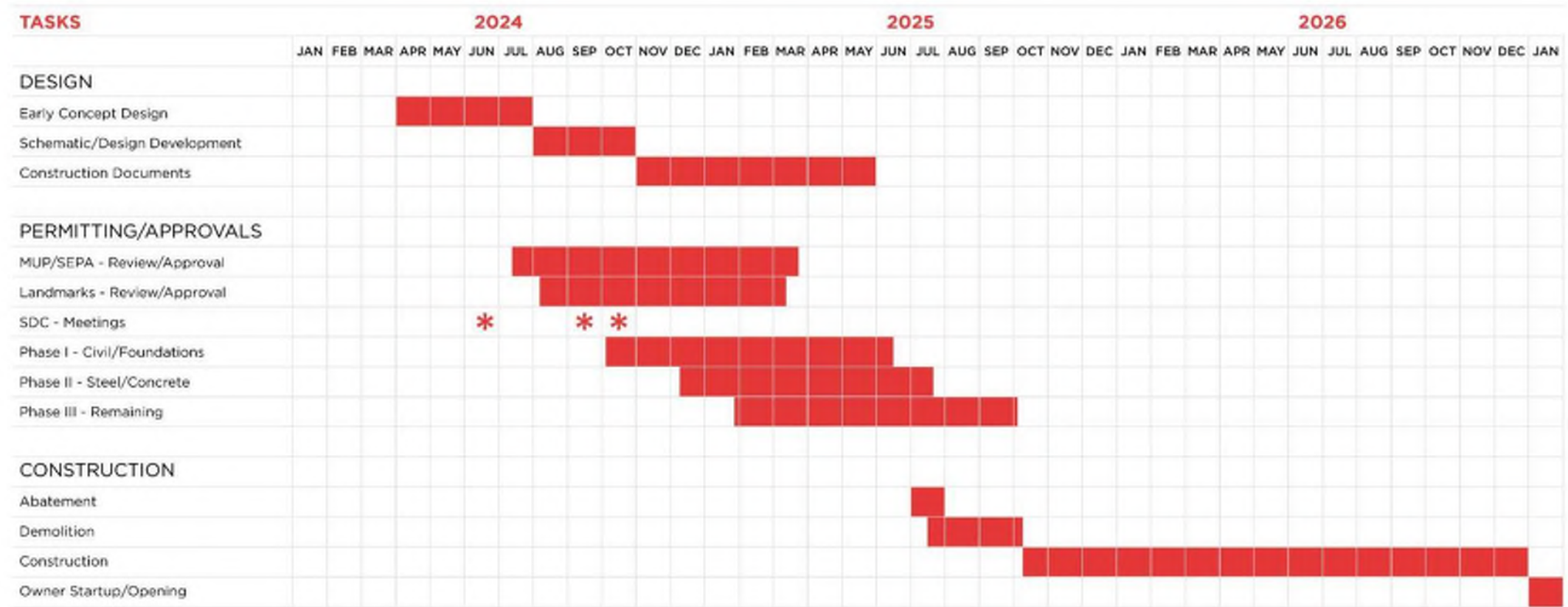
Existing Memorial Wall



An aerial night view of Seattle, Washington, featuring the Space Needle on the left. Overlaid on the cityscape is a semi-transparent architectural rendering of a proposed development. This rendering includes a large rectangular green field, possibly a sports field, surrounded by various building footprints, parking lots filled with cars, and landscaped areas with trees. The text "Next Steps" is centered over the image in a large, white, sans-serif font. Two horizontal red lines are positioned above and below the text.

Next Steps

Schedule



An aerial night photograph of Seattle, Washington, featuring the Space Needle on the left and a large stadium in the center. The word "Discussion" is overlaid in large white text. Two horizontal red lines are positioned above and below the text.

Discussion



Thank You



GENERATOR
STUDIO

SWIFT COMPANY LLC